:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
49	3.23	50.67	2.20	0.35	26.62	125.86
50	3.32	56.59	2.40	0.53	26.39	126.47
51	3.37	59.51	2.60	0.61	25.69	127.22
52	3.42	63.03	2.79	0.61	25.43	127.97
53	3.50	67.15	3.07	0.61	24.91	128.72
54	3.56	72.56	3.31	0.70	24.58	129.57
55	3.63	77.11	3.69	0.70	24.34	130.33
56	3.68	80.21	3.96	0.70	24.27	131.13
57	3.75	85.79	4.35	0.79	24.32	131.84
58	3.83	88.62	4.71	0.79	24.27	132.45
59	3.87	91.28	4.88	0.88	24.05	132.98
60	3.97	97.72	5.19	0.79	23.60	133.34
61	4.02	100.13	5.24	0.70	23.07	133.58
62	4.10	102.02	5.21	0.70	22.57	133.63
63	4.14	104.16	5.17	0.70	21.98	133.58
64	4.20	105.97	5.04	0.88	21.24	133.41
65	4.29	107.43	4.78	0.88	20.67	133.25
66	4.34	107.69	4.78	0.96	20.33	133.13
67	4.43	107.69	4.78	0.96	20.39	133.14
68	4.47	106.91	4.81	0.96	20.92	133.18
69	4.56	101.93	4.95	0.96	21.76	133.21
70	4.60	98.24	4.99	1.05	22.96	133.22
71	4.66	93.52	5.04	0.96	24.30	133.17
72	4.75	87.25	5.12	0.96	25.68	133.12
73	4.79	84.07	5.13	0.96	26.93	133.05
74	4.87	81.32	5.14	0.88	27.53	133.10
75	4.94	83.21	5.32	0.70	27.95	133.34
76	5.00	84.67	5.62	0.53	28.16	133.78
77	5.08	87.25	6.01	0.53	27.95	134.32
78	5.16	94.72	6.36	0.53	26.82	134.82
79	5.21	104.59	6.44	0.53	25.32	135.21
80	5.25	110.60	6.52	0.53	23.75	135.54
81	5.35	120.14	6.73	0.61	22.67	135.83
82	5.39	125.20	6.82	0.61	21.97	136.13
83	5.49	127.87	7.03	0.79	21.73	136.30
84	5.53	128.29	7.07	0.79	21.95	136.38
85	5.62	124.17	7.08	0.79	22.36	136.36
86	5.66	121.42	7.08	0.79	22.93	136.31
87	5.72	119.19	7.11	0.79	23.40	136.23
88	5.80	116.01	7.01	0.79	23.77	136.10
89	5.86	113.44	6.86	0.79	23.63	135.90
90	5.95	116.06	6.61	0.79	23.32	135.61
91	6.00	112.84	6.26	0.88	22.45	135.26
92	6.04	116.10	5.90	0.79	21.25	134.72
93	6.13	118.85	5.22	0.88	19.94	134.16
94	6.18	117.22	4.91	0.83	19.05	133.38
95	6.26	109.92	4.37	0.88	18.84	132.74
96	6.31	107.00	4.17	0.79	18.79	132.16

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
97	6.38	105.02	4.04	0.70	18.77	131.99
98	6.45	106.40	4.11	0.70	18.62	131.91
99	6.50	107.43	4.04	0.70	18.49	132.12
100	6.58	111.21	4.30	1.14	18.38	132.45
101	6.64	115.50	4.58	1.40	18.27	133.07
102	6.73	123.23	4.96	1.67	18.02	133.54
103	6.78	126.75	5.02	1.84	17.45	133.90
104	6.84	133.70	5.06	1.93	16.67	134.01
105	6.92	139.72	4.97	2.02	15.80	134.03
106	6.96	143.49	4.87	2.02	14.58	133.86
107	7.04	152.94	4.50	2.02	13.33	133.55
108	7.09	157.49	4.18	2.02	11.62	132.87
109	7.19	166.51	3.47	2.02	10.20	132.08
110	7.24	169.34	3.13	2.02	8.76	131.11
111	7.31	171.15	2.75	2.02	7.97	130.36
112	7.36	169.86	2.54	2.02	7.36	129.63
113	7.42	167.71	2.34	1.93	7.10	129.07
114	7.51	163.33	2.23	1.93	7.01	128.66
115	7.55	161.36	2.20	1.93	7.12	128.40
116	7.62	156.29	2.16	1.93	7.38	128.26
117	7.70	150.97	2.16	1.93	7.88	128.11
118	7.76	141.52	2.16	1.93	8.58	127.99
119	7.84	132.93	2.16	1.93	9.48	127.94
120	7.88	126.32	2.24	1.84	11.01	128.23
121	7.98	113.10	2.59	1.58	12.76	128.62
122	8.02	107.26	2.72	1.58	14.63	128.99
123	8.07	102.10	2.83	1.49	16.48	129.05
124	8.16	86.73	2.89	1.40	18.41	128.96
125	8.21	81.67	2.88	1.40	20.58	128.73
126	8.27	74.80	2.87	1.67	22.60	128.49
127	8.35	64.75	2.88	1.67	25.13	128.18
128	8.44	58.05	2.84	1.75	26.12	127.86
129	8.49	64.45	2.65	1.49	26.28	127.39
130	8.53	58.57	2.45	1.23	24.46	126.85
131	8.61	64.15	2.19	1.45	23.63	126.34
132	8.67	64.83	2.15	0.96	22.68	126.19
133	8.76	64.15	2.25	1.40	22.99	126.32
134	8.81	63.89	2.31	1.93	23.53	126.60
135	8.88	64.49	2.42	1.75	23.58	126.89
136	8.94	67.75	2.49	1.49	23.00	127.18
137	9.00	72.39	2.50	1.49	21.45	127.35
138	9.08	80.03	2.41	1.49	19.23	127.52
139	9.13	92.23	2.40	1.49	16.47	127.78
140	9.23	109.40	2.41	1.49	14.33	128.09
141	9.27	117.90	2.42	1.49	12.63	128.37
142	9.34	128.64	2.42	1.49	11.64	128.50
143	9.41	133.19	2.38	1.49	10.97	128.55
144	9.45	134.65	2.35	1.49	10.58	128.51

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
145	9.54	137.23	2.34	1.49	10.43	128.51
146	9.59	137.57	2.35	1.49	10.36	128.51
147	9.68	137.05	2.34	1.49	10.36	128.46
148	9.72	136.71	2.29	1.49	10.25	128.33
149	9.79	137.31	2.23	1.58	10.18	128.28
150	9.87	138.26	2.29	1.58	10.11	128.26
151	9.91	138.86	2.27	1.58	10.11	128.43
152	10.01	142.03	2.36	1.58	10.04	128.56
153	10.05	144.35	2.38	1.58	10.84	128.59
154	10.11	120.31	2.40	1.58	10.61	128.78
155	10.20	153.11	2.48	1.58	10.41	129.05
156	10.25	157.23	2.58	1.67	9.43	129.68
157	10.32	165.91	2.81	1.67	9.44	130.26
158	10.38	171.40	3.02	1.67	9.54	130.95
159	10.47	176.90	3.28	1.75	9.72	131.48
160	10.52	179.05	3.41	1.75	9.89	131.90
161	10.57	181.11	3.54	1.84	9.95	132.22
162	10.65	187.12	3.67	1.84	9.94	132.55
163	10.71	191.84	3.81	1.84	9.91	132.93
164	10.80	197.34	4.03	1.84	9.94	133.27
165	10.84	200.17	4.12	1.84	9.89	133.60
166	10.91	207.21	4.26	1.84	9.83	133.90
167	10.98	212.71	4.45	1.84	9.79	134.21
168	11.03	216.06	4.56	1.93	9.81	134.50
169	11.10	219.15	4.70	2.02	9.91	134.69
170	11.17	217.69	4.77	2.02	10.17	134.82
171	11.26	212.62	4.84	2.02	10.51	134.86
172	11.31	209.19	4.86	2.10	10.98	134.87
173	11.38	201.72	4.91	2.02	11.40	134.88
174	11.42	199.23	4.97	2.02	11.84	134.94
175	11.49	197.08	5.08	1.93	12.17	135.14
176	11.58	200.17	5.34	2.02	12.43	135.46
177	11.62	204.55	5.59	1.93	12.62	135.98
178	11.69	213.31	6.12	2.02	12.89	136.59
179	11.75	217.95	6.65	2.19	13.15	137.28
180	11.82	235.64	7.56	2.46	13.45	137.28
181	11.88	239.50	8.03	2.63	13.59	137.28
182	11.95	244.22	8.31	2.81	14.14	137.28
183	12.04	232.12	8.62	3.16	14.86	137.28
184	12.09	219.58	8.54	3.16	16.71	137.28
185	12.15	176.98	8.40	3.33	18.01	137.28
186	12.21	183.25	8.10	2.98	19.15	137.28
187	12.28	174.06	7.58	2.63	19.05	137.28
188	12.36	161.36	7.01	2.10	19.39	137.07
189	12.40	156.63	6.74	2.10	19.77	136.52
190	12.51	149.16	6.40	1.93	20.04	136.18
191	12.55	146.59	6.31	1.93	20.49	135.86
192	12.64	139.03	6.14	1.93	21.00	135.63

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
193	12.69	134.65	6.02	2.02	21.57	135.38
194	12.74	131.04	5.93	2.19	21.94	135.15
195	12.83	127.35	5.74	2.46	22.17	134.93
196	12.88	126.15	5.62	2.46	22.15	134.63
197	12.96	124.17	5.34	2.37	22.01	134.34
198	13.02	122.71	5.15	2.28	21.80	134.00
199	13.06	121.34	4.96	2.28	21.58	133.58
200	13.15	117.47	4.57	2.19	21.44	133.14
201	13.20	114.90	4.39	2.10	21.38	132.67
202	13.29	111.89	4.23	2.10	21.46	132.44
203	13.32	111.89	4.23	2.10	21.42	132.34
204	13.39	113.27	4.23	2.02	21.20	132.41
205	13.46	116.96	4.29	2.10	20.94	132.60
206	13.52	120.31	4.46	2.02	20.87	132.96
207	13.61	122.97	4.76	2.10	21.03	133.30
208	13.66	123.23	4.85	2.10	21.22	133.54
209	13.73	123.57	4.87	2.19	21.11	133.50
210	13.80	124.09	4.67	2.19	20.96	133.53
211	13.89	126.75	4.88	2.19	20.74	133.59
212	13.91	128.90	4.92	2.10	20.53	133.83
213	13.98	133.53	5.03	2.19	20.12	134.02
214	14.07	138.69	5.11	2.10	20.09	134.16
215	14.13	133.70	5.15	2.19	19.84	134.28
216	14.18	141.35	5.18	2.19	19.89	134.35
217	14.24	139.89	5.24	2.19	19.94	134.45
218	14.31	136.28	5.34	2.10	20.74	134.48
219	14.38	129.50	5.41	1.93	21.74	134.38
220	14.45	122.28	5.25	1.84	23.20	133.97
221	14.54	106.48	4.89	1.67	24.59	133.39
222	14.58	99.87	4.64	1.67	26.47	132.64
223	14.63	87.25	4.31	1.67	28.26	131.73
224	14.72	74.19	3.76	1.58	29.92	130.67
225	14.77	70.76	3.36	1.40	30.36	129.30
226	14.86	65.61	2.68	1.40	29.46	128.14
227	14.91	65.61	2.43	1.40	28.05	126.94
228	15.00	65.61	2.15	1.58	26.97	126.31
229	15.05	65.61	2.08	1.58	25.56	125.96
230	15.15	71.36	2.07	1.58	24.66	126.03
231	15.17	73.25	2.13	1.58	24.13	126.47
232	15.23	75.40	2.36	1.49	25.44	127.27
233	15.33	71.96	2.82	1.75	27.18	128.13
234	15.37	72.05	3.05	1.84	29.11	128.94
235	15.46	72.65	3.37	1.84	30.21	129.50
236	15.51	72.31	3.55	1.67	31.01	129.91
237	15.56	72.48	3.62	1.49	31.28	130.16
238	15.65	74.37	3.70	1.49	30.83	130.37
239	15.70	78.66	3.76	1.49	29.72	130.65
240	15.76	84.67	3.85	1.49	28.28	131.03

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
241	15.84	91.80	4.03	1.75	26.73	131.47
242	15.89	99.96	4.16	2.19	25.49	132.02
243	15.95	107.00	4.46	2.28	24.73	132.68
244	16.02	113.27	4.90	2.19	24.57	133.56
245	16.11	121.00	5.57	1.75	24.61	134.25
246	16.16	122.37	5.68	1.75	24.41	134.84
247	16.25	130.27	5.99	1.75	24.06	135.16
248	16.27	134.31	6.14	1.84	23.09	135.64
249	16.37	149.08	6.46	2.02	21.72	136.10
250	16.43	166.16	6.66	2.19	20.21	136.57
251	16.48	177.07	6.81	2.19	22.65	136.54
252	16.56	104.68	7.02	3.77	20.45	137.01
253	16.61	221.30	7.17	3.24	18.31	137.28
254	16.69	241.82	7.40	3.24	14.32	137.28
255	16.75	250.49	7.49	3.24	13.76	137.28
256	16.80	252.98	7.53	3.16	13.56	137.28
257	16.88	250.49	7.36	2.98	13.59	137.28
258	16.93	243.11	7.15	2.98	13.84	137.28
259	17.03	226.71	6.73	2.81	14.13	137.28
260	17.07	221.21	6.46	2.72	14.40	136.98
261	17.16	208.84	5.95	2.72	14.60	136.55
262	17.21	203.09	5.88	3.07	14.90	136.24
263	17.28	199.91	5.89	3.24	15.32	136.29
264	17.35	199.31	6.16	3.24	15.73	136.48
265	17.40	200.08	6.39	3.33	16.12	136.83
266	17.47	203.86	6.75	3.51	16.49	137.22
267	17.54	205.41	7.13	3.51	16.95	137.28
268	17.63	203.35	7.40	3.51	17.40	137.28
269	17.68	201.54	7.41	3.60	17.77	137.28
270	17.72	199.05	7.40	3.68	18.29	137.28
271	17.81	190.47	7.55	3.68	18.85	137.28
272	17.86	189.52	7.64	3.42	19.11	137.28
273	17.94	189.01	7.19	2.98	18.45	137.26
274	17.99	187.12	6.07	2.72	17.01	136.07
275	18.07	179.82	4.61	3.02	16.38	135.27
276	18.13	176.13	5.48	2.46	16.93	135.26
277	18.18	173.98	6.17	3.07	18.79	136.40
278	18.27	178.36	7.37	4.21	18.77	137.23
279	18.32	207.04	7.36	17.89	18.53	137.28
280	18.41	206.53	7.81	17.89	18.18	137.28
281	18.46	208.16	8.57	18.32	18.74	137.28
282	18.53	218.12	9.21	19.64	18.86	137.28
283	18.59	224.82	9.27	19.20	18.58	137.28
284	18.64	227.82	9.24	18.94	19.93	137.28
285	18.73	172.26	8.94	17.97	20.05	137.28
286	18.77	213.82	8.65	16.83	20.24	137.28
287	18.86	205.67	8.00	15.96	18.77	137.28
288	18.91	198.45	7.73	15.69	18.74	137.28

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
289	19.00	193.90	7.25	15.43	18.82	137.28
290	19.05	191.41	7.18	15.34	18.84	137.28
291	19.09	190.55	7.22	15.17	18.83	137.28
292	19.16	189.35	6.91	15.17	17.75	136.58
293	19.24	185.49	4.93	15.17	15.62	134.90
294	19.33	181.45	3.39	15.43	13.57	133.24
295	19.38	184.46	3.85	15.61	13.12	132.92
296	19.43	187.20	4.41	15.69	13.93	133.95
297	19.51	196.13	5.03	15.43	13.99	134.97
298	19.56	221.98	5.51	5.00	13.95	135.92
299	19.65	227.48	6.13	6.31	13.87	136.58
300	19.70	228.08	6.31	6.31	13.99	136.88
301	19.79	232.03	6.17	6.22	13.74	136.83
302	19.84	234.00	5.93	6.14	12.60	136.18
303	19.88	238.64	4.68	6.14	9.58	133.87
304	20.01	242.42	1.56	6.14	6.50	130.73
305	20.07	237.01	1.68	6.31	4.10	127.35
306	20.11	232.20	1.76	6.31	4.77	127.84
307	20.16	222.07	1.96	6.22	6.09	128.34
308	20.21	188.75	2.20	6.22	7.82	129.51
309	20.30	201.46	2.90	4.38	9.85	130.74
310	20.38	192.36	3.39	4.38	11.29	131.91
311	20.43	184.28	3.69	4.38	12.84	132.66
312	20.48	182.65	4.12	4.38	14.25	133.44
313	20.57	181.88	4.73	5.26	15.30	134.13
314	20.62	181.88	4.95	5.70	16.11	134.64
315	20.72	181.19	5.13	5.96	16.39	134.83
316	20.79	182.09	5.10	6.22	16.53	134.91
317	20.84	182.31	5.13	6.31	16.42	134.92
318	20.88	184.20	5.12	6.40	16.30	134.92
319	20.93	185.14	5.07	6.49	16.13	134.86
320	21.03	185.06	4.99	6.49	15.98	134.80
321	21.07	186.09	4.97	6.49	15.62	134.76
322	21.16	192.87	4.92	6.49	15.33	134.74
323	21.21	192.61	4.88	6.66	15.20	134.67
324	21.30	187.20	4.83	6.66	15.28	134.57
325	21.35	187.72	4.76	6.84	15.18	134.45
326	21.39	191.33	4.67	6.93	14.76	134.38
327	21.49	195.70	4.62	6.66	14.47	134.34
328	21.54	194.67	4.61	6.58	14.69	134.11
329	21.62	177.24	4.35	6.40	14.94	133.51
330	21.67	169.17	3.76	6.31	15.52	132.45
331	21.76	147.10	3.24	6.05	16.01	131.59
332	21.79	142.03	3.34	6.05	18.07	131.12
333	21.90	119.02	3.49	5.87	21.05	130.98
334	21.95	99.53	3.47	5.70	24.86	130.67
335	22.00	90.60	3.44	5.52	29.89	130.01
336	22.07	62.86	3.25	5.17	32.88	129.48

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
337	22.11	71.36	3.14	5.44	35.19	128.96
338	22.21	70.16	3.05	7.71	34.06	128.83
339	22.26	67.93	3.01	10.43	33.27	128.67
340	22.34	74.19	2.90	11.92	29.48	128.55
341	22.43	93.69	2.59	11.48	25.40	128.40
342	22.45	98.84	2.51	10.96	22.52	128.38
343	22.53	102.10	2.63	9.38	22.64	128.53
344	22.58	95.40	2.74	7.71	24.73	128.56
345	22.67	78.49	2.72	6.58	27.80	128.26
346	22.72	71.79	2.62	7.58	32.53	127.53
347	22.80	54.01	2.43	7.01	36.61	126.79
348	22.86	49.38	2.34	7.45	41.45	125.93
349	22.94	44.22	2.19	8.24	41.74	125.45
350	22.99	49.21	2.06	8.42	40.82	124.91
351	23.04	48.35	1.89	8.42	38.35	124.38
352	23.11	49.03	1.69	8.33	37.09	123.87
353	23.17	50.06	1.67	8.33	35.87	123.63
354	23.24	51.35	1.68	8.33	35.53	123.89
355	23.31	52.73	1.83	7.89	35.63	124.25
356	23.36	52.90	1.89	7.63	36.41	124.64
357	23.45	51.61	1.98	7.45	37.40	124.91
358	23.49	51.27	2.07	7.37	39.31	125.49
359	23.59	50.41	2.42	7.37	40.28	126.28
360	23.64	55.04	2.66	7.37	38.63	127.53
361	23.70	70.16	3.09	8.07	32.01	129.13
362	23.78	105.62	3.53	8.86	25.24	130.71
363	23.83	137.23	3.79	9.21	20.89	132.11
364	23.91	154.74	4.32	9.03	19.04	133.01
365	23.96	159.64	4.50	8.77	19.21	133.89
366	24.05	159.90	5.18	8.15	20.47	134.73
367	24.14	157.23	5.99	7.80	21.85	135.50
368	24.19	158.95	6.25	7.80	22.87	136.03
369	24.24	158.78	6.50	7.80	23.31	136.31
370	24.30	158.61	6.69	7.85	23.82	136.48
371	24.35	156.12	6.75	7.85	24.96	136.56
372	24.47	143.32	6.95	7.89	25.97	136.57
373	24.49	144.27	6.92	7.89	26.21	136.53
374	24.58	151.57	6.72	8.24	24.43	136.45
375	24.63	168.40	6.36	8.86	22.08	136.29
376	24.68	179.13	6.02	9.29	18.87	135.96
377	24.77	204.55	5.27	9.73	16.22	135.55
378	24.82	217.09	4.93	8.50	14.13	135.02
379	24.90	217.17	4.59	8.15	13.53	134.66
380	24.95	208.50	4.53	7.37	13.95	134.25
381	25.04	188.58	4.36	6.58	14.88	133.98
382	25.09	182.05	4.37	6.49	16.15	133.79
383	25.14	170.63	4.47	6.49	17.82	133.93
384	25.23	156.46	4.90	6.66	20.07	134.15

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
385	25.27	145.81	5.15	7.28	22.30	134.57
386	25.36	144.95	5.61	7.37	23.82	134.99
387	25.41	144.91	5.97	7.63	24.75	135.44
388	25.47	144.87	6.24	8.24	25.22	135.93
389	25.55	151.74	6.73	9.12	25.42	136.38
390	25.60	155.09	7.02	9.47	26.08	136.87
391	25.69	149.76	7.55	9.91	27.37	137.18
392	25.74	142.38	7.80	10.52	29.33	137.28
393	25.81	135.94	8.15	10.17	31.10	137.28
394	25.87	130.87	8.25	9.56	32.43	137.28
395	25.92	128.04	8.20	9.38	33.42	137.28
396	26.01	120.05	7.76	9.47	34.15	137.02
397	26.05	115.67	7.48	9.47	35.68	136.31
398	26.14	98.07	6.66	9.29	37.69	135.42
399	26.20	85.87	5.95	9.38	40.45	134.19
400	26.25	75.14	5.22	9.38	42.27	132.89
401	26.34	68.01	4.38	9.73	42.80	131.56
402	26.38	65.78	3.77	10.70	41.39	129.95
403	26.48	62.69	2.79	10.35	39.73	128.49
404	26.52	59.68	2.53	10.52	38.12	127.04
405	26.61	58.05	2.24	11.31	37.64	126.38
406	26.70	58.48	2.20	11.57	36.81	126.10
407	26.75	60.88	2.26	11.66	36.29	126.33
408	26.80	62.86	2.39	11.75	35.61	126.83
409	26.85	67.24	2.57	11.84	34.75	127.33
410	26.93	71.10	2.64	11.92	33.20	127.48
411	26.98	73.59	2.41	11.92	31.37	127.26
412	27.04	75.83	2.25	11.92	31.16	127.47
413	27.12	75.31	2.80	11.84	32.78	128.51
414	27.21	76.86	3.51	13.59	34.71	129.80
415	27.26	81.15	3.82	14.20	33.79	130.90
416	27.31	97.21	4.09	14.03	31.63	131.59
417	27.38	104.51	4.23	12.71	30.27	132.14
418	27.47	102.62	4.44	11.84	30.72	132.41
419	27.52	98.67	4.55	12.01	31.38	132.62
420	27.57	102.75	4.65	12.19	32.59	132.52
421	27.65	90.60	4.43	14.73	32.19	132.56
422	27.70	102.88	4.56	17.10	30.57	133.05
423	27.79	126.32	5.23	18.85	27.38	134.01
424	27.84	144.95	5.61	17.27	25.14	134.98
425	27.92	156.03	5.98	14.03	24.19	135.60
426	27.98	157.92	6.27	12.63	24.30	135.98
427	28.03	154.83	6.44	14.03	26.38	135.97
428	28.11	125.03	6.40	13.15	29.78	135.67
429	28.16	107.08	6.25	14.03	33.69	135.08
430	28.24	101.67	5.86	15.43	35.24	134.45
431	28.30	99.10	5.32	16.39	35.41	133.63
432	28.39	90.85	4.69	18.15	34.96	132.88

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
433	28.44	92.31	4.48	18.41	33.85	132.02
434	28.49	93.09	3.80	18.24	32.17	131.18
435	28.57	90.08	3.30	18.76	31.00	130.47
436	28.63	90.08	3.43	19.46	30.77	130.26
437	28.69	91.71	3.52	19.73	31.09	130.45
438	28.76	90.94	3.56	19.90	31.31	130.59
439	28.81	90.68	3.62	20.43	31.83	130.73
440	28.88	90.08	3.75	20.78	32.56	131.05
441	28.97	90.68	4.05	21.57	33.51	131.41
442	29.02	89.57	4.21	21.48	34.30	131.80
443	29.10	90.68	4.40	21.22	34.70	132.03
444	29.14	91.71	4.44	20.52	34.99	132.18
445	29.23	90.17	4.48	19.90	35.43	132.23
446	29.28	88.62	4.52	18.76	36.20	132.29
447	29.36	87.42	4.63	18.67	37.17	132.41
448	29.42	85.70	4.77	18.67	37.87	132.60
449	29.46	87.16	4.92	18.59	38.13	132.97
450	29.56	91.63	5.28	19.29	37.54	133.42
451	29.60	97.47	5.51	18.85	36.78	134.09
452	29.69	104.42	6.07	19.20	35.86	134.69
453	29.74	110.43	6.35	18.41	35.20	135.25
454	29.80	114.21	6.59	18.41	34.59	135.66
455	29.88	118.76	6.89	18.32	34.09	135.97
456	29.93	122.20	6.98	18.06	33.58	136.16
457	30.00	123.83	6.96	18.06	32.83	136.17
458	30.06	127.01	6.76	17.89	32.06	136.07
459	30.15	128.04	6.57	17.45	31.45	135.89
460	30.20	126.58	6.43	17.27	31.17	135.69
461	30.25	125.38	6.25	17.10	31.01	135.45
462	30.34	124.26	6.01	16.22	31.21	135.13
463	30.39	117.65	5.80	15.52	32.81	134.46
464	30.48	94.98	5.13	15.34	35.44	133.63
465	30.52	85.96	4.81	15.08	39.89	132.41
466	30.62	66.98	4.23	15.87	43.22	131.42
467	30.66	63.29	3.91	16.48	44.21	130.51
468	30.75	70.16	3.59	16.48	42.38	130.01
469	30.79	69.99	3.41	15.96	40.22	129.57
470	30.84	68.70	3.18	14.64	39.91	128.92
471	30.94	64.15	2.81	13.41	39.63	128.31
472	31.01	64.66	2.74	13.68	40.27	127.86
473	31.06	60.97	2.77	14.20	40.27	127.86
474	31.11	64.28	2.82	14.90	41.85	127.99
475	31.20	58.99	2.97	16.04	41.83	128.24
476	31.24	63.89	3.02	16.31	41.24	128.52
477	31.30	69.99	3.06	16.13	38.69	128.77
478	31.38	74.45	3.05	15.52	37.18	128.93
479	31.44	74.11	3.07	16.13	37.52	128.91
480	31.51	68.01	3.06	15.61	39.87	128.72

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
481	31.57	60.20	3.03	16.13	43.41	128.27
482	31.66	53.33	2.84	17.18	45.77	127.78
483	31.70	54.01	2.70	17.36	45.00	127.18
484	31.80	57.53	2.40	17.71	42.93	126.78
485	31.84	57.71	2.36	17.71	41.49	126.63
486	31.94	58.39	2.48	17.89	41.50	126.93
487	31.97	60.63	2.66	17.80	42.21	127.52
488	32.02	60.71	2.95	17.80	43.03	128.59
489	32.12	65.95	3.62	18.15	43.96	129.64
490	32.16	68.27	3.94	18.24	43.15	130.76
491	32.26	77.80	4.35	18.32	41.96	131.59
492	32.30	82.95	4.72	18.24	40.55	132.46
493	32.36	88.62	5.17	17.97	39.77	133.27
494	32.44	95.40	5.68	17.80	38.89	134.04
495	32.49	101.93	6.04	17.71	37.99	134.68
496	32.58	107.00	6.36	18.15	37.25	135.08
497	32.62	108.97	6.40	18.24	35.59	135.28
498	32.72	120.22	6.22	17.45	33.47	135.31
499	32.80	127.61	6.06	16.75	31.26	135.31
500	32.82	131.99	6.02	16.75	29.43	135.26
501	32.90	139.54	5.78	16.75	27.56	135.10
502	32.95	147.02	5.41	16.66	25.31	134.73
503	33.04	152.94	4.92	16.22	23.37	134.34
504	33.09	157.92	4.72	15.87	21.81	133.98
505	33.15	162.21	4.53	15.26	20.80	133.81
506	33.22	165.65	4.48	14.64	20.23	133.73
507	33.27	166.16	4.49	14.29	20.83	133.74
508	33.35	151.91	4.64	14.03	21.35	133.89
509	33.41	161.53	4.81	13.41	22.61	134.08
510	33.47	150.79	5.01	13.24	24.34	134.21
511	33.55	129.33	5.15	13.59	28.99	134.00
512	33.64	97.12	5.17	13.77	34.31	133.59
513	33.68	90.68	5.04	13.77	39.86	133.01
514	33.74	78.32	4.82	13.85	43.29	132.16
515	33.81	64.58	4.11	14.12	47.44	130.96
516	33.87	55.99	3.58	14.47	50.57	129.25
517	33.96	48.35	2.77	14.82	52.44	127.75
518	34.00	45.26	2.52	15.08	55.79	126.15
519	34.10	39.16	2.13	16.31	57.16	125.33
520	34.12	39.20	2.13	16.66	58.45	124.87
521	34.19	39.20	2.21	17.10	58.98	125.06
522	34.28	39.24	2.30	16.92	58.95	125.33
523	34.33	41.13	2.35	16.92	55.90	125.88
524	34.42	50.67	2.52	16.92	49.78	126.73
525	34.46	58.22	2.84	16.92	38.42	128.83
526	34.56	109.06	3.71	16.48	31.88	130.76
527	34.60	121.85	4.20	16.48	27.33	132.40
528	34.65	132.76	4.55	15.87	27.23	133.13

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
529	34.74	126.58	4.81	13.15	28.08	133.47
530	34.79	120.05	4.87	15.74	29.94	133.52
531	34.84	113.61	4.89	13.77	31.73	133.64
532	34.93	111.38	5.26	15.61	33.24	133.90
533	34.98	111.55	5.55	16.66	34.13	134.50
534	35.06	117.90	6.17	19.11	31.40	134.77
535	35.16	144.18	5.37	23.67	28.88	135.27
536	35.20	152.42	6.12	23.67	26.17	135.62
537	35.25	163.50	6.39	23.85	25.09	136.20
538	35.34	178.02	6.40	20.34	24.21	136.57
539	35.39	179.13	6.76	19.55	23.89	136.90
540	35.44	180.20	7.08	19.64	24.20	137.27
541	35.51	185.40	7.36	18.32	24.52	137.28
542	35.58	181.28	7.39	17.62	25.41	137.28
543	35.67	166.25	7.38	18.67	26.40	137.28
544	35.70	166.34	7.35	18.59	27.17	137.28
545	35.76	166.34	7.32	18.94	27.09	137.28
546	35.85	166.42	7.26	19.20	26.95	137.28
547	35.90	168.23	7.25	19.11	26.56	137.25
548	35.99	171.66	7.15	18.41	26.26	137.17
549	36.04	169.08	6.99	17.97	25.99	136.92
550	36.13	164.79	6.58	17.97	26.01	136.60
551	36.18	161.70	6.40	17.97	25.93	136.27
552	36.24	160.58	6.23	18.24	25.74	136.09
553	36.32	162.21	6.13	18.32	25.43	135.99
554	36.35	163.85	6.11	18.24	24.77	135.91
555	36.45	168.91	5.93	17.71	24.05	135.82
556	36.50	171.75	5.81	17.54	23.17	135.72
557	36.57	175.78	5.72	17.10	22.66	135.74
558	36.64	179.05	5.88	16.39	22.49	135.87
559	36.68	179.30	6.02	16.13	23.20	136.13
560	36.78	171.83	6.41	16.04	24.70	136.23
561	36.82	156.80	6.40	15.69	27.22	136.07
562	36.91	136.02	6.17	15.78	30.45	135.69
563	36.96	120.14	6.17	16.39	31.82	135.48
564	37.01	136.11	6.17	16.48	32.70	135.42
565	37.10	125.29	6.19	19.38	31.45	135.51
566	37.15	136.19	6.16	23.23	29.46	135.71
567	37.23	164.45	6.24	24.99	25.28	135.51
568	37.28	177.76	5.01	21.30	20.33	134.40
569	37.38	187.38	3.21	17.54	16.91	133.10
570	37.42	194.33	3.67	17.54	15.34	132.60
571	37.47	198.45	4.09	17.54	15.99	133.53
572	37.55	203.69	4.58	16.39	16.61	134.24
573	37.61	205.07	4.86	16.39	19.38	134.66
574	37.69	150.02	5.27	13.68	21.12	134.99
575	37.73	180.33	5.48	15.26	23.03	135.46
576	37.83	185.49	6.10	14.90	22.33	136.05

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
577	37.87	182.48	6.32	14.99	23.55	136.47
578	37.96	172.09	6.63	13.85	24.77	136.50
579	38.01	165.74	6.43	13.33	25.82	136.17
580	38.09	155.43	5.80	12.89	26.54	135.59
581	38.15	144.44	5.53	12.54	27.35	135.00
582	38.19	138.43	5.38	12.93	30.24	134.48
583	38.29	107.43	5.28	12.98	34.19	133.99
584	38.33	94.63	5.18	12.98	40.04	133.39
585	38.43	81.84	5.03	12.98	42.80	132.97
586	38.45	83.47	4.85	13.06	43.32	132.34
587	38.54	82.35	4.16	16.13	43.47	131.93
588	38.61	75.31	4.38	16.83	45.07	131.65
589	38.66	71.45	4.58	18.85	47.87	131.86
590	38.73	71.70	4.76	18.76	48.91	131.92
591	38.80	71.36	4.56	17.62	48.68	131.80
592	38.85	71.27	4.37	16.92	48.41	131.54
593	38.94	69.82	4.32	17.10	48.29	131.45
594	38.98	70.93	4.40	18.24	49.48	131.56
595	39.07	67.50	4.65	20.69	49.99	131.80
596	39.11	70.59	4.74	23.32	48.56	132.20
597	39.22	82.27	4.93	22.27	45.15	132.67
598	39.26	90.94	5.09	21.30	42.01	133.19
599	39.31	96.69	5.31	21.22	39.27	133.85
600	39.40	111.81	5.81	20.60	37.41	134.43
601	39.44	116.19	5.97	20.16	35.45	135.00
602	39.53	125.29	6.19	18.32	34.26	135.31
603	39.58	130.10	6.27	18.50	33.11	135.80
604	39.72	139.37	6.85	19.46	32.53	136.16
605	39.73	140.92	6.90	19.55	32.32	136.51
606	39.77	141.52	7.07	19.46	31.83	136.84
607	39.86	153.80	7.55	18.67	31.64	137.13
608	39.91	151.57	7.60	18.24	31.01	137.28
609	40.00	155.77	7.51	19.02	30.24	137.28
610	40.05	165.56	7.49	19.73	28.38	137.28
611	40.09	181.28	7.47	19.99	25.69	137.28
612	40.18	206.87	7.48	19.90	23.17	137.28
613	40.23	221.47	7.44	19.29	20.96	137.28
614	40.32	235.38	7.23	17.71	19.64	137.28
615	40.36	237.44	6.98	17.62	18.28	137.28
616	40.45	247.57	6.51	17.71	17.05	137.28
617	40.51	254.01	6.03	17.45	15.51	136.85
618	40.55	259.34	5.37	17.71	13.53	135.85
619	40.64	267.24	4.10	17.71	11.09	134.29
620	40.69	272.39	2.95	17.71	9.93	133.84
621	40.78	286.99	4.50	17.89	10.21	134.56
622	40.83	291.37	5.17	17.89	11.91	136.30
623	40.90	289.78	6.24	17.49	13.31	137.28
624	40.95	288.19	7.02	15.43	14.52	137.28

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
625	41.04	307.86	8.20	17.10	15.19	137.28
626	41.08	310.17	8.53	16.83	15.55	137.28
627	41.14	314.21	9.08	16.57	15.61	137.28
628	41.22	313.87	8.60	16.88	15.69	137.28
629	41.28	297.98	8.09	16.92	16.02	137.28
630	41.37	268.87	7.56	16.39	16.76	137.28
631	41.41	256.76	7.25	16.22	18.79	137.28
632	41.50	197.51	6.62	15.17	21.01	137.23
633	41.55	179.82	6.16	14.29	24.78	136.04
634	41.62	142.12	5.43	14.29	28.02	134.70
635	41.69	111.64	4.50	14.29	32.99	133.14
636	41.74	90.34	4.12	14.25	39.38	131.30
637	41.82	61.66	3.32	14.20	45.46	129.62
638	41.87	57.19	2.81	14.20	49.42	127.20
639	42.01	49.89	1.78	16.04	48.31	125.33
640	42.02	49.38	1.69	16.57	45.91	123.15
641	42.10	47.75	1.29	17.45	44.32	122.04
642	42.15	46.89	1.14	17.97	42.41	120.67
643	42.20	45.86	1.02	18.94	40.96	119.88
644	42.26	47.02	0.94	20.25	39.59	119.26
645	42.35	47.14	0.88	30.86	38.59	118.90
646	42.40	46.80	0.87	32.00	38.54	118.72
647	42.48	45.86	0.88	33.14	38.91	118.70
648	42.53	45.86	0.88	34.37	39.26	118.73
649	42.59	45.86	0.89	35.33	39.22	118.80
650	42.67	46.46	0.90	36.21	38.86	118.90
651	42.72	47.75	0.91	37.35	38.52	119.29
652	42.79	49.72	1.01	38.66	39.11	120.33
653	42.86	51.78	1.29	39.89	41.63	122.51
654	42.95	55.22	1.95	41.38	44.57	124.66
655	43.00	56.85	2.38	41.91	46.51	126.85
656	43.09	64.41	3.08	43.05	46.14	128.33
657	43.14	71.62	3.35	42.78	44.71	129.43
658	43.18	75.48	3.50	42.78	43.89	129.96
659	43.28	74.80	3.66	44.10	44.80	130.17
660	43.32	69.99	3.68	43.22	48.07	130.09
661	43.41	59.77	3.65	45.50	50.09	129.32
662	43.46	58.31	2.83	47.34	48.08	127.31
663	43.51	57.53	1.42	48.57	43.48	125.14
664	43.58	56.93	1.65	48.57	40.54	123.69
665	43.64	56.93	1.78	48.75	42.53	124.34
666	43.73	55.56	1.89	48.48	44.05	124.64
667	43.78	54.01	1.91	49.01	46.71	124.72
668	43.87	48.35	1.94	50.15	46.16	124.97
669	43.91	59.60	2.04	51.46	46.75	125.64
670	44.04	57.71	2.43	55.15	45.98	126.54
671	44.10	59.47	2.63	56.55	48.90	127.41
672	44.19	57.02	2.97	61.90	50.15	128.05

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
673	44.23	59.34	3.13	64.00	49.36	129.02
674	44.33	72.05	3.64	64.70	45.52	129.94
675	44.38	83.73	3.80	64.66	41.71	130.81
676	44.43	90.25	3.96	64.35	37.52	131.58
677	44.51	110.00	4.31	64.61	34.98	132.30
678	44.56	115.50	4.60	64.18	32.66	133.17
679	44.65	127.87	5.06	57.07	31.76	133.84
680	44.70	133.45	5.32	54.01	31.02	134.47
681	44.76	138.34	5.64	49.18	30.99	134.99
682	44.84	141.09	6.05	47.87	31.08	135.49
683	44.93	145.30	6.36	46.99	31.09	135.88
684	44.98	148.65	6.47	46.95	30.34	136.15
685	45.02	157.92	6.52	46.95	28.51	136.39
686	45.10	176.47	6.55	46.90	25.65	136.70
687	45.16	202.58	6.61	45.50	22.21	137.08
688	45.26	236.32	6.67	40.50	19.24	137.21
689	45.29	251.09	6.16	36.91	15.88	136.50
690	45.34	266.29	4.30	32.61	13.25	135.64
691	45.44	285.01	4.46	20.78	11.77	135.27
692	45.48	290.68	5.20	16.31	12.19	136.13
693	45.55	293.86	5.87	13.33	13.39	137.15
694	45.63	291.28	6.73	12.36	15.14	137.28
695	45.72	274.11	7.72	19.29	16.74	137.28
696	45.76	277.20	8.16	18.59	18.00	137.28
697	45.81	274.97	8.39	16.48	18.23	137.28
698	45.88	278.49	8.40	15.34	17.94	137.28
699	45.95	282.44	7.82	15.17	16.84	137.28
700	46.04	288.02	6.81	14.64	15.53	137.28
701	46.09	292.40	6.48	14.73	14.42	137.28
702	46.13	295.75	6.27	14.47	13.74	137.28
703	46.22	298.67	5.98	14.29	13.20	137.28
704	46.27	302.87	5.86	14.29	12.69	137.13
705	46.35	305.79	5.71	14.20	12.39	136.99
706	46.41	303.82	5.61	14.20	12.24	136.83
707	46.46	300.56	5.50	14.38	12.40	136.60
708	46.53	286.56	5.31	14.12	12.92	136.26
709	46.60	265.26	5.10	13.85	13.06	134.90
710	46.69	228.34	3.20	13.33	13.20	133.30
711	46.73	212.11	3.01	13.15	16.13	132.40
712	46.88	150.45	4.40	11.84	21.30	132.83
713	46.89	136.88	4.48	11.57	28.36	133.28
714	46.92	122.97	4.62	11.57	31.37	133.18
715	47.01	115.16	4.63	11.66	34.84	132.91
716	47.05	99.10	4.46	11.92	40.19	132.06
717	47.15	68.01	3.87	13.59	46.12	130.83
718	47.19	64.06	3.37	13.59	50.91	128.96
719	47.27	57.28	2.45	13.59	49.92	127.20
720	47.33	54.44	1.98	13.59	48.06	125.17

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
721	47.38	52.55	1.62	14.20	46.50	123.65
722	47.47	50.06	1.38	15.34	45.71	122.60
723	47.51	49.03	1.37	16.22	46.25	122.29
724	47.59	48.60	1.47	18.59	47.76	122.77
725	47.66	48.95	1.68	20.34	52.75	123.75
726	47.75	50.49	2.00	22.09	54.05	124.69
727	47.79	51.52	2.14	22.71	54.47	125.53
728	47.85	54.10	2.31	24.02	54.67	126.14
729	47.93	54.87	2.50	25.77	54.82	126.61
730	47.98	54.96	2.54	27.00	55.30	126.92
731	48.06	55.13	2.61	29.55	55.85	126.99
732	48.11	53.59	2.59	32.44	54.87	126.08
733	48.20	50.67	1.70	35.24	53.25	124.43
734	48.25	47.40	1.31	38.66	50.83	122.39
735	48.30	46.54	1.30	40.50	50.44	121.39
736	48.39	45.00	1.20	43.92	50.91	121.01
737	48.44	43.45	1.14	45.59	51.57	120.43
738	48.49	40.96	1.07	47.26	52.91	119.88
739	48.58	37.78	1.01	67.68	54.55	119.35
740	48.66	35.98	0.98	74.70	56.12	118.94
741	48.71	34.69	0.95	81.53	56.88	118.63
742	48.76	34.26	0.92	90.13	56.36	118.20
743	48.85	34.74	0.82	102.22	55.73	117.87
744	48.90	34.18	0.83	107.57	54.80	117.60
745	48.96	34.78	0.82	116.52	54.61	117.58
746	49.02	34.86	0.81	121.69	54.70	117.63
747	49.12	33.92	0.85	131.68	55.32	117.77
748	49.15	33.88	0.87	134.58	56.58	118.22
749	49.23	33.88	0.98	146.76	57.89	118.86
750	49.28	33.83	1.09	162.81	58.77	119.66
751	49.36	35.47	1.19	168.77	58.66	120.17
752	49.45	36.50	1.18	170.52	57.51	120.35
753	49.50	37.44	1.14	169.99	57.05	120.26
754	49.55	36.15	1.14	166.40	57.11	120.15
755	49.63	35.90	1.14	166.14	57.93	120.08
756	49.67	35.29	1.13	166.14	58.73	119.90
757	49.78	33.49	1.08	165.87	59.29	119.57
758	49.82	33.06	1.02	167.89	59.34	119.04
759	49.88	32.55	0.93	173.41	58.88	118.51
760	49.96	31.86	0.88	177.36	58.31	118.10
761	50.00	32.12	0.87	185.86	51.98	114.98
762	50.09	32.12	0.00	193.58	43.31	109.85
763	50.14	32.12	0.00	196.47	N/A	87.36
764	50.24	32.12	0.00	201.64	N/A	87.36
765	50.28	32.63	0.00	204.89	N/A	87.36
766	50.37	34.26	0.00	205.59	N/A	87.36
767	50.40	27.91	0.00	197.09	N/A	87.36

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)

Abbreviations

Depth:	Depth from free surface, at which CPT was performed (ft)
q_c:	Measured cone resistance (tsf)
f_s:	Sleeve friction resistance (tsf)
u:	Pore pressure (tsf)
Fines content:	Percentage of fines in soil (%)
Unit weight:	Bulk soil unit weight (pcf)

Fenagh Engineering and Testing
9070 Center Avenue
Rancho Cucamonga, CA 91730
www.fenaghengineering.com

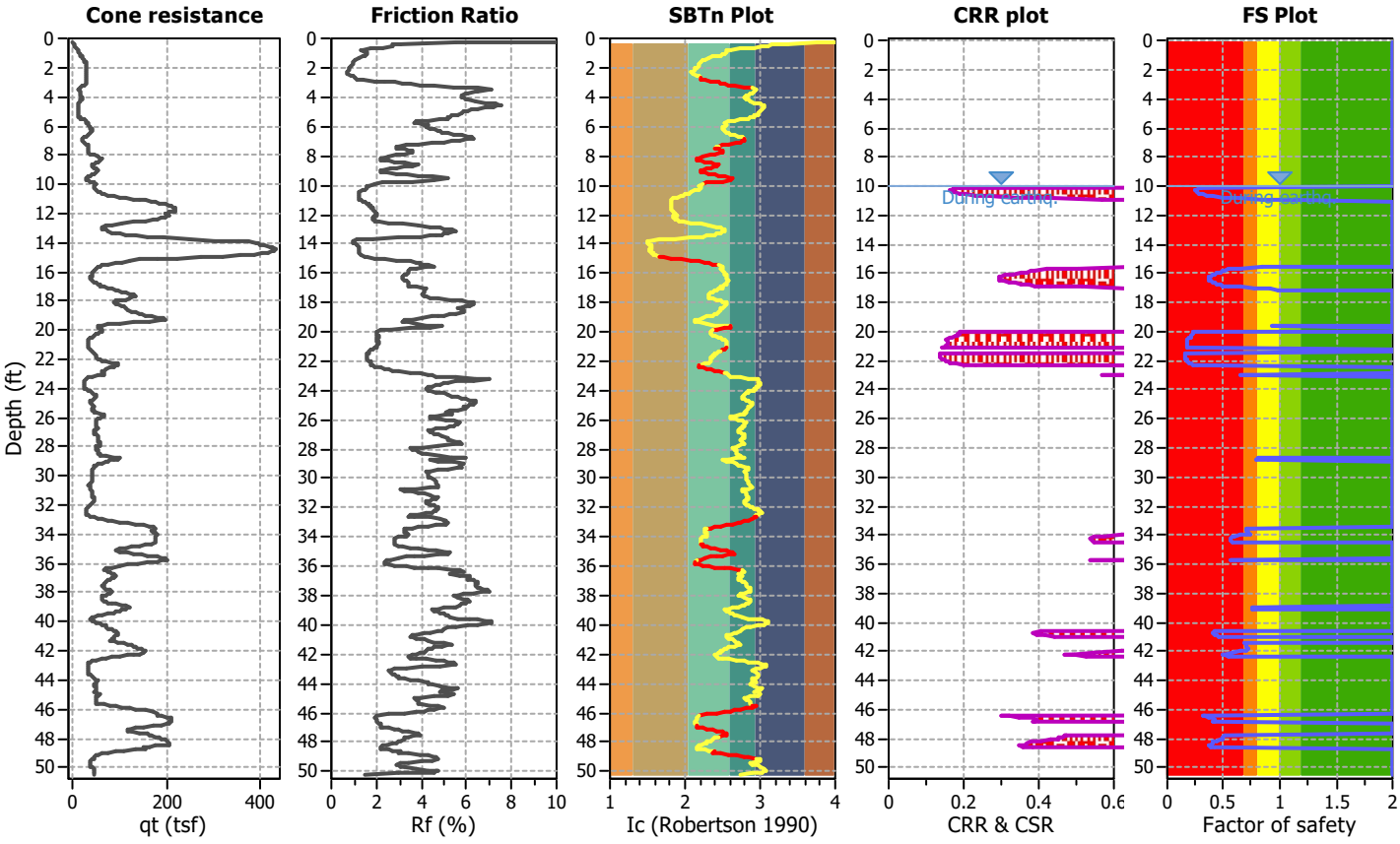
LIQUEFACTION ANALYSIS REPORT

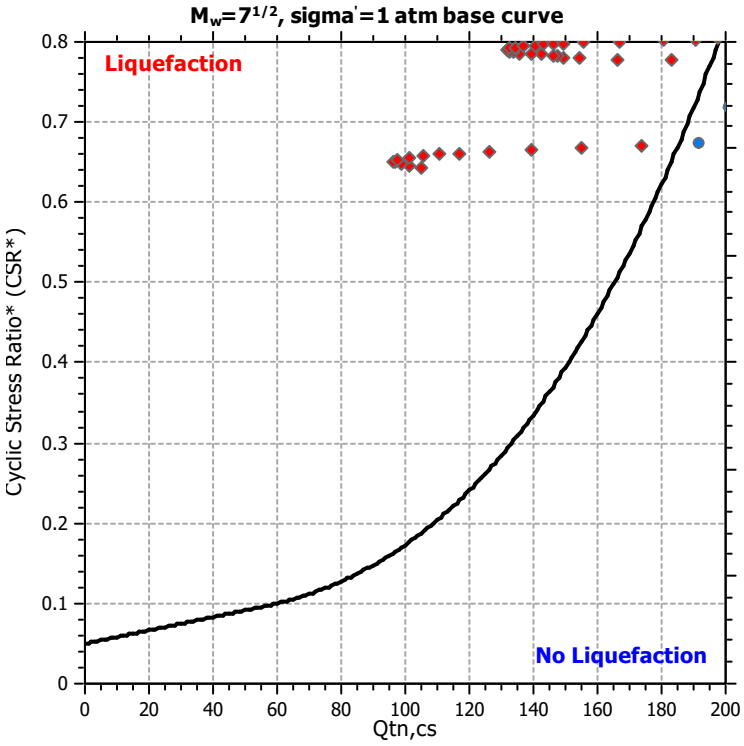
Project title : Centennial High School **Location : 2606 N. Central Ave, Compton, CA 90222**

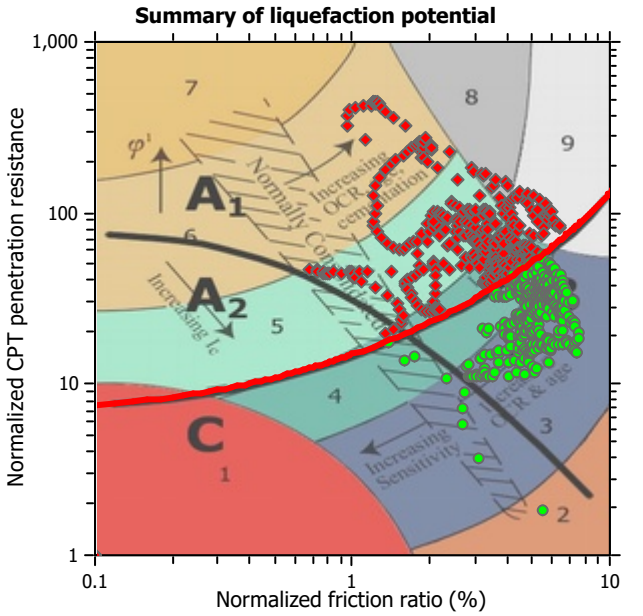
CPT file : CPT-7

Input parameters and analysis data

Analysis method:	NCEER (1998)	G.W.T. (in-situ):	50.00 ft	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	NCEER (1998)	G.W.T. (earthq.):	10.00 ft	Fill height:	N/A	Limit depth applied:	No
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	N/A
Earthquake magnitude M_w:	7.30	Ic cut-off value:	2.60	Trans. detect. applied:	Yes	MSF method:	Method based
Peak ground acceleration:	0.83	Unit weight calculation:	Based on SBT	K_σ applied:	Yes		

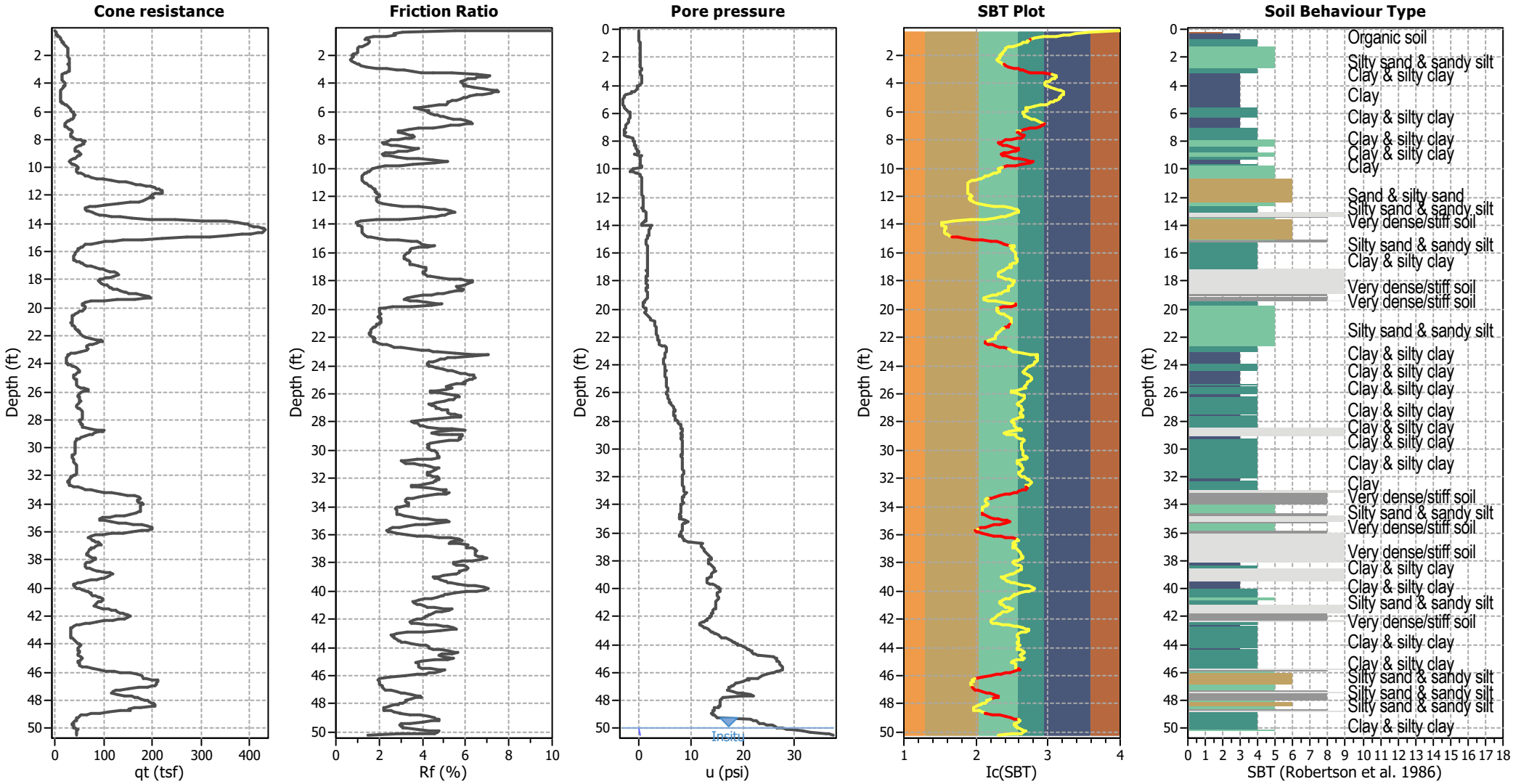






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and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

CPT basic interpretation plots



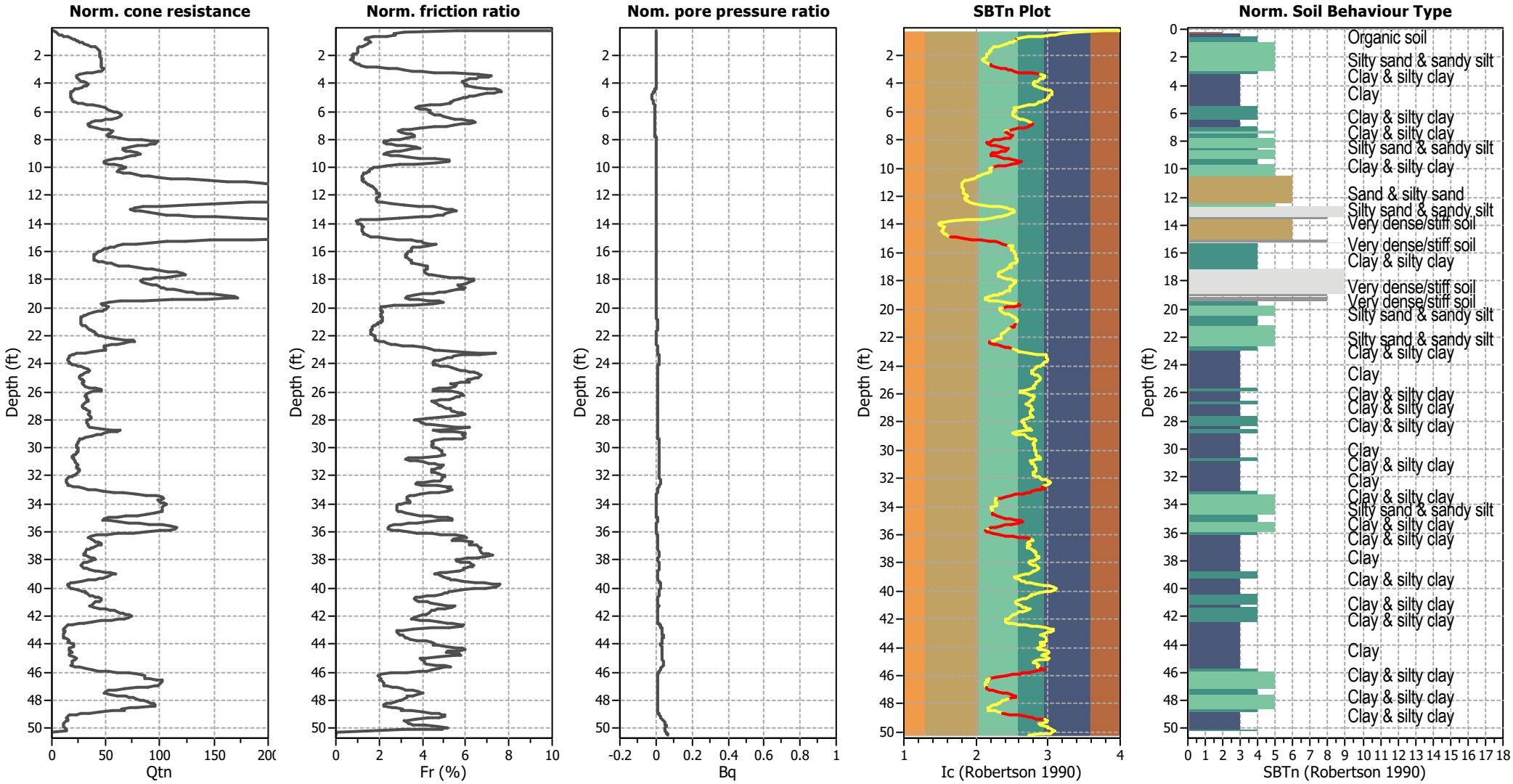
Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	7.30	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.83	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	50.00 ft	Fill height:	N/A	Limit depth:	N/A

SBT legend

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

CPT basic interpretation plots (normalized)



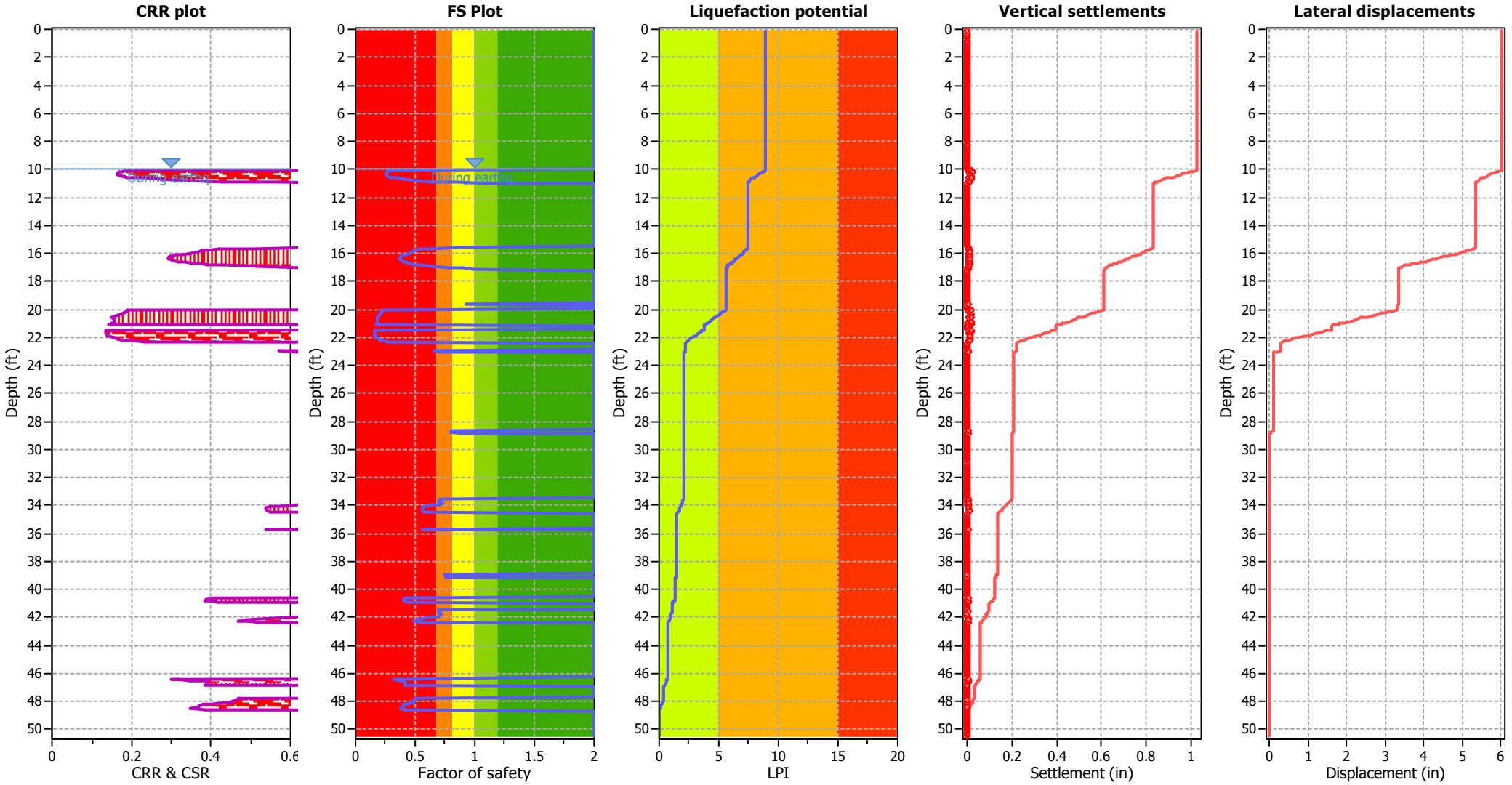
Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	7.30	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.83	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	50.00 ft	Fill height:	N/A	Limit depth:	N/A

SBTn legend

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

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	7.30	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.83	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	50.00 ft	Fill height:	N/A	Limit depth:	N/A

F.S. color scheme

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

LPI color scheme

- Very high risk
- High risk
- Low risk

:: Field input data ::

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
1	0.09	-0.09	0.02	0.00	N/A	120.90
2	0.14	-0.09	0.03	0.00	N/A	120.90
3	0.24	-0.09	0.05	0.00	100.00	87.36
4	0.29	0.86	0.06	0.00	100.00	90.34
5	0.38	2.66	0.07	0.00	87.64	92.96
6	0.41	3.35	0.08	0.00	70.75	96.41
7	0.52	4.89	0.14	0.00	65.16	98.43
8	0.53	5.15	0.14	0.00	60.26	100.55
9	0.61	6.35	0.17	0.00	52.83	101.25
10	0.66	8.49	0.15	0.00	42.68	101.93
11	0.80	11.75	0.14	0.00	36.07	102.22
12	0.83	12.27	0.16	0.09	33.21	103.20
13	0.89	13.13	0.19	0.17	33.10	104.42
14	0.94	14.07	0.22	0.17	32.79	105.50
15	1.01	14.76	0.23	0.17	31.77	106.18
16	1.08	15.96	0.24	0.17	31.15	106.73
17	1.12	16.21	0.26	0.17	29.35	107.44
18	1.21	19.39	0.28	0.17	27.88	108.01
19	1.25	20.16	0.28	0.17	25.39	108.41
20	1.35	22.56	0.28	0.17	23.06	108.50
21	1.40	25.39	0.27	0.17	20.87	108.51
22	1.46	26.42	0.26	0.26	19.81	108.47
23	1.54	25.82	0.26	0.26	19.36	108.51
24	1.65	27.02	0.27	0.26	18.95	108.80
25	1.72	29.00	0.28	0.26	18.80	109.05
26	1.78	27.37	0.29	0.26	18.48	108.92
27	1.86	27.71	0.25	0.35	18.09	108.19
28	1.93	27.54	0.21	0.35	17.24	107.38
29	1.99	27.45	0.21	0.35	17.00	106.90
30	2.04	26.85	0.21	0.35	17.11	107.11
31	2.13	27.88	0.23	0.35	17.02	107.32
32	2.18	28.65	0.22	0.35	16.50	107.36
33	2.23	29.08	0.21	0.35	15.96	106.97
34	2.32	28.65	0.19	0.35	15.52	106.56
35	2.37	28.91	0.19	0.35	15.98	106.97
36	2.50	28.74	0.24	0.35	17.20	107.98
37	2.59	27.62	0.29	0.35	18.42	109.06
38	2.63	28.57	0.30	0.35	19.11	109.63
39	2.73	28.57	0.31	0.35	19.57	110.26
40	2.79	28.57	0.36	0.44	21.45	111.78
41	2.87	28.57	0.53	0.44	24.26	114.06
42	2.96	29.68	0.75	0.35	26.75	115.85
43	2.98	29.43	0.81	0.35	28.47	117.30
44	3.06	30.63	0.97	0.35	29.93	118.02
45	3.10	29.17	1.02	0.35	32.00	118.63
46	3.19	26.85	1.08	0.35	34.75	118.71
47	3.23	24.28	1.08	0.35	38.65	118.55
48	3.28	20.25	1.07	0.44	44.64	118.07

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
49	3.38	15.01	1.06	0.44	51.63	117.51
50	3.42	13.73	1.04	0.44	55.63	117.07
51	3.51	15.06	1.00	0.53	55.78	116.75
52	3.57	14.07	0.95	0.70	53.77	116.55
53	3.65	15.10	0.93	0.70	53.44	116.53
54	3.69	15.36	0.99	0.61	51.50	116.54
55	3.75	16.04	0.91	0.44	50.32	116.85
56	3.84	17.24	1.01	0.44	48.54	117.21
57	3.89	18.44	1.07	0.35	46.83	118.08
58	3.98	20.93	1.19	0.17	45.91	118.71
59	4.04	20.68	1.24	-0.09	45.59	119.15
60	4.07	20.50	1.25	-0.17	46.17	119.00
61	4.16	19.56	1.14	-0.26	46.39	118.77
62	4.21	19.56	1.15	-0.35	47.72	118.34
63	4.30	17.24	1.11	-0.35	50.24	118.00
64	4.35	15.36	1.07	-0.44	54.09	117.34
65	4.42	13.55	0.99	-0.88	57.73	116.60
66	4.49	12.10	0.92	-1.50	60.32	115.86
67	4.55	11.67	0.87	-1.50	62.01	115.26
68	4.61	11.15	0.83	-2.54	62.36	114.74
69	4.68	10.90	0.77	-2.63	62.47	114.30
70	4.73	10.81	0.74	-2.71	61.69	113.83
71	4.82	10.81	0.69	-2.89	60.85	113.46
72	4.87	10.81	0.67	-2.89	59.90	113.11
73	4.95	10.81	0.65	-3.06	59.14	112.97
74	5.01	11.07	0.65	-3.06	58.62	112.92
75	5.05	11.07	0.65	-3.06	57.44	112.99
76	5.15	11.75	0.65	-3.06	55.99	113.15
77	5.22	12.44	0.66	-3.06	53.95	113.39
78	5.29	13.13	0.67	-3.06	52.68	113.71
79	5.33	13.47	0.70	-3.06	50.82	114.42
80	5.42	15.70	0.81	-2.98	48.85	115.35
81	5.47	17.42	0.89	-2.89	46.28	116.44
82	5.51	19.47	0.98	-2.80	42.54	117.34
83	5.58	23.76	1.02	-2.71	38.07	118.05
84	5.65	27.71	1.02	-2.63	33.75	118.81
85	5.74	32.17	1.13	-2.45	31.67	119.49
86	5.79	32.69	1.22	-2.19	31.90	120.30
87	5.88	31.48	1.37	-1.84	32.76	120.93
88	5.93	33.29	1.45	-1.66	32.78	121.58
89	6.01	36.46	1.54	-1.66	31.64	122.10
90	6.07	38.35	1.59	-1.66	30.92	122.63
91	6.12	39.29	1.70	-1.66	30.91	123.20
92	6.20	40.49	1.87	-1.66	31.26	123.69
93	6.25	40.66	1.91	-1.75	31.54	124.06
94	6.30	41.01	1.96	-1.75	31.92	124.20
95	6.37	40.15	1.98	-1.75	32.52	124.23
96	6.44	38.69	1.97	-1.84	34.15	124.00

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
97	6.53	33.89	1.90	-1.93	35.92	123.67
98	6.57	32.51	1.85	-1.93	38.39	123.10
99	6.67	28.48	1.72	-2.02	40.54	122.47
100	6.72	25.39	1.61	-2.19	43.21	121.55
101	6.80	22.56	1.43	-2.54	45.16	120.70
102	6.84	21.36	1.34	-2.63	45.40	119.80
103	6.90	21.45	1.18	-2.63	44.66	119.20
104	6.96	21.45	1.14	-2.63	43.38	118.70
105	7.04	21.53	1.10	-2.63	42.03	118.43
106	7.10	22.65	1.04	-2.63	39.32	118.25
107	7.17	25.48	1.00	-2.70	34.67	118.34
108	7.27	31.40	0.99	-2.70	31.04	118.52
109	7.31	32.60	1.00	-2.70	28.31	118.75
110	7.37	34.83	0.99	-2.63	27.06	118.86
111	7.44	36.20	0.99	-2.80	26.68	119.02
112	7.51	34.92	1.04	-2.80	27.24	119.20
113	7.55	33.97	1.08	-2.80	28.84	119.41
114	7.64	32.00	1.12	-2.19	30.06	119.56
115	7.69	32.00	1.14	-1.84	30.83	119.76
116	7.78	32.77	1.18	-1.23	30.56	120.07
117	7.83	34.57	1.24	-1.14	29.21	120.51
118	7.89	38.95	1.28	-1.14	26.59	121.04
119	7.97	45.98	1.31	-1.05	23.87	121.50
120	8.01	50.02	1.33	-0.96	20.49	122.00
121	8.15	61.85	1.34	-0.96	18.53	122.29
122	8.16	62.03	1.34	-0.96	17.34	122.46
123	8.24	61.00	1.34	-0.96	17.68	122.50
124	8.29	59.54	1.38	-0.70	18.36	122.62
125	8.34	58.08	1.43	-0.61	19.60	122.86
126	8.43	54.65	1.54	-0.53	21.27	123.09
127	8.48	50.79	1.59	-0.44	24.00	123.25
128	8.56	43.75	1.68	-0.35	26.64	123.23
129	8.61	41.44	1.67	-0.26	28.34	122.94
130	8.67	41.22	1.52	-0.17	27.54	122.17
131	8.75	41.22	1.22	-0.09	26.46	121.51
132	8.80	41.01	1.29	0.00	24.51	121.09
133	8.88	46.75	1.24	-0.26	22.61	121.25
134	8.93	52.76	1.20	-0.79	20.08	121.17
135	9.01	56.02	1.13	-0.07	19.20	121.10
136	9.06	52.50	1.16	0.44	19.55	121.28
137	9.15	52.25	1.28	0.26	21.34	121.60
138	9.20	47.70	1.36	0.26	23.37	122.06
139	9.29	44.78	1.48	0.17	26.04	122.39
140	9.34	41.52	1.59	0.17	28.68	122.81
141	9.39	39.21	1.73	0.17	32.29	122.95
142	9.48	31.91	1.75	0.17	35.93	122.77
143	9.52	29.00	1.67	0.17	37.09	122.10
144	9.66	32.26	1.40	0.17	35.28	121.25

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
145	9.75	32.60	1.21	0.17	30.49	120.56
146	9.80	40.06	1.14	0.44	26.73	120.14
147	9.84	43.92	1.07	0.44	22.47	119.75
148	9.94	50.02	0.89	-0.79	20.07	119.19
149	9.98	49.84	0.84	-1.05	18.67	118.40
150	10.08	46.58	0.77	-1.49	18.78	117.86
151	10.12	45.47	0.73	-1.58	18.97	117.18
152	10.22	43.75	0.66	-1.23	19.00	116.80
153	10.26	44.10	0.67	-0.53	18.80	116.54
154	10.31	44.95	0.66	-0.17	18.07	116.51
155	10.37	48.13	0.64	0.17	17.01	116.73
156	10.45	53.02	0.69	0.26	15.50	117.23
157	10.54	60.65	0.73	0.44	14.49	117.87
158	10.59	62.97	0.76	0.44	13.48	118.38
159	10.63	68.12	0.78	0.44	12.98	119.18
160	10.72	74.89	0.94	0.53	12.22	120.21
161	10.77	84.85	1.04	0.53	11.38	121.58
162	10.86	98.49	1.21	0.53	10.20	122.83
163	10.90	114.79	1.36	0.53	9.33	124.37
164	10.99	131.09	1.67	0.53	8.73	125.83
165	11.05	145.07	1.94	0.61	8.40	127.18
166	11.11	157.77	2.15	0.61	8.29	128.39
167	11.18	168.66	2.52	0.61	8.32	129.34
168	11.23	173.81	2.71	0.61	8.43	130.36
169	11.32	187.71	3.10	0.61	8.43	131.15
170	11.37	197.49	3.31	0.61	8.44	131.99
171	11.45	205.21	3.63	0.61	8.47	132.58
172	11.50	211.04	3.80	0.61	8.55	133.02
173	11.55	213.10	3.88	0.61	8.55	133.31
174	11.64	217.82	4.01	0.61	8.60	133.51
175	11.69	218.93	4.08	0.61	8.66	133.73
176	11.78	220.65	4.19	0.70	8.75	133.85
177	11.82	220.14	4.19	0.70	8.79	133.89
178	11.88	219.79	4.16	0.70	9.68	133.68
179	11.94	176.64	4.12	0.88	9.90	133.50
180	12.02	205.55	3.99	0.88	10.07	133.22
181	12.12	203.58	3.81	0.88	9.28	133.09
182	12.16	201.43	3.74	0.88	9.30	132.86
183	12.21	195.86	3.68	0.88	9.45	132.58
184	12.30	188.05	3.49	0.88	9.72	132.28
185	12.35	181.36	3.42	0.88	10.06	131.94
186	12.42	173.04	3.35	0.88	10.69	131.70
187	12.48	160.77	3.33	0.88	12.11	131.41
188	12.58	133.66	3.34	0.79	14.90	131.01
189	12.67	101.40	3.37	0.79	18.94	130.35
190	12.75	81.76	3.17	0.79	23.60	129.61
191	12.81	68.72	3.09	0.70	27.38	129.02
192	12.90	62.11	3.13	0.88	29.78	128.60

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
193	12.95	60.91	2.95	0.96	31.00	128.60
194	13.00	61.77	3.22	1.14	31.93	128.98
195	13.08	61.43	3.64	1.31	31.93	129.68
196	13.13	69.49	3.77	1.40	30.82	130.34
197	13.22	77.30	3.92	1.31	28.98	130.93
198	13.31	83.04	4.20	1.31	27.53	131.60
199	13.36	91.88	4.51	1.31	26.40	132.26
200	13.41	99.00	4.75	1.31	24.52	132.95
201	13.46	115.39	4.98	1.40	22.55	133.64
202	13.54	130.74	5.31	1.31	19.83	134.38
203	13.59	157.94	5.49	1.40	15.44	133.82
204	13.69	183.76	3.08	1.23	9.91	132.44
205	13.73	237.29	2.17	1.40	5.19	131.19
206	13.82	319.14	3.09	0.79	3.35	131.92
207	13.87	351.74	3.35	0.70	2.84	133.41
208	13.92	379.88	3.61	0.70	2.68	134.21
209	14.00	394.37	4.00	0.70	2.80	134.94
210	14.06	394.80	4.34	2.54	3.17	135.64
211	14.14	395.23	4.75	2.37	3.48	136.22
212	14.19	407.93	5.02	2.28	3.68	136.74
213	14.24	418.31	5.30	2.10	3.62	137.03
214	14.34	427.40	5.22	2.02	3.51	137.13
215	14.38	431.26	5.15	2.02	3.35	137.08
216	14.44	432.38	5.12	1.93	3.32	137.08
217	14.52	432.38	5.20	1.93	3.43	137.14
218	14.60	424.66	5.31	1.93	3.61	137.20
219	14.65	418.57	5.31	1.84	3.83	137.18
220	14.70	405.53	5.26	1.84	4.12	137.04
221	14.78	383.05	5.19	1.75	4.51	136.83
222	14.84	363.23	5.10	1.75	5.28	136.59
223	14.92	319.14	5.17	1.66	6.46	136.28
224	14.98	272.55	5.09	1.58	8.57	135.99
225	15.06	220.56	5.33	1.49	11.49	135.56
226	15.11	171.49	5.28	1.40	14.92	134.98
227	15.17	144.90	4.96	1.40	18.85	134.04
228	15.23	107.84	4.57	1.40	21.15	132.91
229	15.32	106.98	3.88	1.40	23.26	131.77
230	15.36	94.54	3.63	1.40	24.88	130.57
231	15.46	69.23	3.21	1.58	28.18	129.49
232	15.50	62.88	2.97	1.66	31.02	128.19
233	15.58	59.28	2.51	1.75	30.98	127.00
234	15.64	56.45	2.08	1.75	30.22	125.69
235	15.70	53.62	1.85	1.75	29.84	124.62
236	15.78	51.13	1.73	1.75	30.24	123.99
237	15.83	48.99	1.69	1.75	30.92	123.51
238	15.91	46.50	1.60	1.75	31.71	123.11
239	15.97	44.61	1.53	1.75	32.18	122.58
240	16.04	43.07	1.42	1.75	32.46	122.09

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
241	16.10	41.95	1.35	1.75	32.58	121.64
242	16.16	41.09	1.31	1.75	32.78	121.31
243	16.24	40.24	1.27	1.75	33.04	121.13
244	16.29	39.98	1.27	1.75	33.28	120.99
245	16.38	39.38	1.26	1.75	33.39	120.97
246	16.43	40.02	1.26	1.66	33.63	120.98
247	16.47	39.29	1.28	1.66	33.85	121.18
248	16.57	40.06	1.35	1.66	34.18	121.47
249	16.61	41.09	1.41	1.66	33.68	122.08
250	16.70	45.38	1.56	1.66	32.91	122.70
251	16.74	47.87	1.65	1.66	31.38	123.67
252	16.84	55.42	1.89	1.66	30.36	124.43
253	16.87	57.31	1.98	1.66	29.75	125.34
254	16.93	59.97	2.23	1.66	30.19	126.39
255	17.01	64.17	2.71	1.66	30.22	127.67
256	17.07	71.81	3.09	1.58	28.85	129.09
257	17.16	87.16	3.53	1.58	27.35	130.15
258	17.21	91.54	3.77	1.58	26.17	131.07
259	17.27	97.46	4.11	1.49	25.60	131.73
260	17.34	104.66	4.34	1.66	24.55	132.34
261	17.39	114.87	4.50	1.66	23.58	133.03
262	17.49	123.62	5.02	1.75	22.86	133.80
263	17.58	132.20	5.49	1.66	22.73	134.43
264	17.62	132.80	5.60	1.66	22.83	134.78
265	17.65	131.43	5.70	1.49	23.32	134.96
266	17.75	130.06	5.93	1.49	25.19	134.99
267	17.88	108.87	6.04	1.49	27.41	134.94
268	17.90	104.32	6.03	1.49	29.94	134.73
269	17.93	99.34	5.98	1.58	31.14	134.57
270	17.98	94.63	5.93	1.49	32.73	134.26
271	18.07	85.10	5.67	1.49	33.00	134.09
272	18.12	94.41	5.67	1.49	33.21	133.94
273	18.21	90.59	5.66	1.49	32.37	134.04
274	18.26	94.20	5.72	1.58	31.55	134.22
275	18.35	104.66	5.87	1.66	30.19	134.52
276	18.40	109.38	6.03	1.58	29.19	134.86
277	18.44	111.18	6.22	1.58	29.14	135.25
278	18.54	113.84	6.68	1.49	29.48	135.59
279	18.58	113.67	6.84	1.49	29.40	135.94
280	18.67	120.28	7.01	1.49	28.93	136.15
281	18.72	124.39	7.06	1.49	27.55	136.40
282	18.81	136.58	7.14	1.58	26.16	136.57
283	18.86	143.18	7.08	1.58	24.86	136.68
284	18.90	146.19	7.00	1.58	23.78	136.65
285	18.98	152.53	6.81	1.58	22.60	136.59
286	19.04	161.11	6.64	1.58	20.49	136.59
287	19.13	184.88	6.46	1.58	18.59	136.61
288	19.18	193.28	6.34	1.58	16.93	136.63

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
289	19.27	201.43	6.23	1.49	16.48	136.53
290	19.32	193.37	6.12	1.40	17.02	136.18
291	19.37	166.35	5.74	1.31	18.89	135.31
292	19.45	130.83	4.95	1.23	22.39	133.74
293	19.54	90.42	3.98	1.05	26.69	132.02
294	19.57	78.50	3.70	0.96	31.96	130.08
295	19.64	56.88	2.97	0.96	35.14	128.59
296	19.68	53.27	2.56	0.96	35.55	126.62
297	19.78	55.93	1.82	0.96	32.01	125.04
298	19.82	58.77	1.52	0.96	27.30	123.37
299	19.92	62.37	1.27	1.23	24.81	122.48
300	19.95	62.54	1.25	1.31	23.76	121.99
301	20.05	60.82	1.24	1.40	23.97	121.90
302	20.10	60.31	1.24	1.40	24.26	121.78
303	20.15	59.62	1.21	1.31	24.58	121.53
304	20.22	56.62	1.15	1.23	25.21	121.15
305	20.29	53.19	1.10	1.23	26.56	120.43
306	20.38	46.07	0.97	1.49	28.13	119.43
307	20.44	41.44	0.84	1.75	29.84	118.10
308	20.55	37.06	0.72	1.93	30.98	117.15
309	20.57	36.29	0.72	2.02	31.82	116.64
310	20.61	35.77	0.72	2.02	32.52	116.56
311	20.68	34.49	0.72	2.10	33.41	116.47
312	20.75	33.20	0.72	2.19	33.70	116.46
313	20.85	35.00	0.72	2.98	33.63	116.47
314	20.93	34.92	0.72	2.98	33.26	116.48
315	20.95	34.49	0.71	3.06	33.23	116.29
316	21.03	34.14	0.67	3.06	33.16	116.07
317	21.07	34.14	0.66	3.06	32.75	115.74
318	21.17	34.14	0.62	3.15	32.36	115.56
319	21.21	34.57	0.62	3.15	31.62	115.49
320	21.26	36.20	0.63	3.24	30.49	115.69
321	21.33	38.95	0.65	3.24	29.31	116.07
322	21.40	40.92	0.68	3.33	28.13	116.52
323	21.49	43.58	0.71	3.33	27.41	116.88
324	21.54	44.35	0.72	3.33	26.42	117.21
325	21.63	47.53	0.74	3.42	25.79	117.46
326	21.67	48.47	0.76	3.42	25.13	117.75
327	21.72	49.76	0.78	3.42	24.85	117.96
328	21.80	50.62	0.79	3.42	24.55	118.19
329	21.86	52.07	0.82	3.50	24.39	118.57
330	21.94	53.70	0.88	3.50	24.42	119.11
331	22.00	54.99	0.96	3.50	24.45	119.72
332	22.05	57.22	1.02	3.50	24.18	120.42
333	22.14	61.60	1.12	3.59	22.99	121.21
334	22.18	70.52	1.22	3.68	21.12	122.64
335	22.28	87.16	1.55	3.85	19.13	124.12
336	22.32	99.69	1.75	3.94	18.46	125.51

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
337	22.41	98.91	1.97	4.03	18.77	126.21
338	22.46	95.31	2.03	3.94	20.38	126.51
339	22.52	86.65	2.08	3.94	22.18	126.33
340	22.60	77.98	1.97	4.47	24.35	125.95
341	22.66	71.12	1.91	4.99	26.48	125.55
342	22.74	65.54	1.94	5.25	28.81	125.58
343	22.78	63.06	2.14	5.25	31.48	126.40
344	22.88	64.60	2.70	5.34	33.46	127.32
345	22.92	65.03	2.86	5.25	33.83	128.25
346	23.01	71.81	3.05	5.34	34.71	128.52
347	23.06	63.23	3.05	5.43	35.95	128.52
348	23.11	58.51	2.96	5.34	42.17	127.74
349	23.20	36.03	2.70	4.99	48.87	126.77
350	23.24	33.46	2.53	4.99	56.75	125.09
351	23.33	30.46	1.83	4.99	56.78	123.40
352	23.39	27.20	1.42	4.91	56.42	121.44
353	23.43	24.96	1.31	4.91	57.04	120.13
354	23.53	24.02	1.19	4.82	58.03	119.47
355	23.58	23.33	1.15	4.82	57.66	119.04
356	23.63	23.94	1.12	4.82	57.44	118.69
357	23.72	23.16	1.04	4.82	56.50	118.43
358	23.76	23.85	1.02	4.82	55.73	118.22
359	23.86	24.36	1.02	4.82	54.40	118.21
360	23.95	24.11	1.02	4.91	54.04	118.31
361	23.97	24.88	1.05	4.99	53.34	118.89
362	24.04	27.71	1.23	4.99	51.03	119.76
363	24.09	31.74	1.33	4.99	49.06	121.16
364	24.18	35.35	1.64	5.08	47.83	122.46
365	24.21	37.49	1.88	5.08	46.67	124.13
366	24.31	44.87	2.34	5.17	45.28	125.43
367	24.36	48.47	2.54	5.17	44.23	126.66
368	24.45	50.62	2.88	5.25	43.98	127.41
369	24.54	52.25	3.03	5.17	44.40	127.85
370	24.57	51.04	3.00	5.17	45.59	127.82
371	24.64	46.24	2.93	5.17	47.15	127.55
372	24.68	45.04	2.85	5.08	49.21	127.08
373	24.77	41.18	2.66	5.17	50.44	126.62
374	24.82	39.63	2.56	5.08	51.81	126.11
375	24.87	38.00	2.45	5.17	52.12	125.78
376	24.96	38.35	2.38	5.25	52.12	125.64
377	25.01	38.86	2.43	5.25	51.21	125.77
378	25.08	41.18	2.51	5.25	49.84	126.06
379	25.15	44.01	2.56	5.25	48.40	126.38
380	25.24	45.30	2.63	5.34	47.83	126.58
381	25.28	44.52	2.66	5.34	48.31	126.67
382	25.33	43.41	2.68	5.43	47.34	126.05
383	25.42	43.58	2.02	5.43	46.62	125.62
384	25.46	43.58	2.24	5.43	45.92	125.37

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
385	25.56	43.75	2.44	5.43	46.57	125.88
386	25.61	45.64	2.46	5.52	45.36	126.43
387	25.69	51.65	2.65	5.52	42.43	127.07
388	25.75	59.62	2.85	5.52	38.21	127.88
389	25.80	71.38	2.96	5.52	35.72	128.39
390	25.89	70.00	2.98	5.52	35.51	128.57
391	25.94	63.06	3.01	5.43	37.62	128.50
392	25.99	59.71	3.05	5.43	40.85	128.21
393	26.08	52.16	2.92	5.43	43.63	127.85
394	26.13	48.56	2.83	5.61	45.71	127.38
395	26.22	48.21	2.70	5.69	46.38	127.12
396	26.26	47.96	2.70	5.69	45.98	127.02
397	26.34	49.16	2.71	5.69	45.49	127.03
398	26.40	50.02	2.68	5.69	45.05	127.01
399	26.45	49.50	2.66	5.78	44.41	126.83
400	26.54	49.93	2.50	5.87	43.79	126.59
401	26.58	50.27	2.41	5.87	41.82	126.31
402	26.68	54.30	2.30	5.96	40.68	126.13
403	26.71	52.85	2.28	6.04	40.46	125.82
404	26.82	48.56	2.16	6.22	41.70	125.51
405	26.86	47.27	2.12	6.39	43.14	125.20
406	26.96	45.47	2.11	6.57	44.06	125.09
407	27.00	44.87	2.11	6.57	44.45	125.06
408	27.04	45.90	2.11	6.66	44.81	125.29
409	27.14	46.15	2.30	6.74	45.08	125.74
410	27.19	47.70	2.49	6.92	44.83	126.57
411	27.29	53.45	2.80	7.01	43.61	127.24
412	27.37	56.54	2.85	6.83	42.72	127.82
413	27.41	56.62	2.99	6.83	42.89	128.08
414	27.46	55.42	3.08	6.83	43.74	128.30
415	27.51	55.42	3.14	6.83	44.51	128.47
416	27.60	55.42	3.23	6.83	44.80	128.57
417	27.65	55.42	3.21	6.92	45.04	128.55
418	27.69	54.48	3.14	6.92	43.46	128.43
419	27.78	60.48	2.98	7.01	40.71	127.62
420	27.87	58.94	2.17	6.92	38.26	126.28
421	27.97	52.07	1.78	7.09	37.06	124.78
422	27.98	51.99	1.80	7.27	37.64	124.26
423	28.02	51.99	1.85	7.45	38.26	124.53
424	28.10	51.99	1.98	7.62	39.09	124.79
425	28.20	51.13	2.02	7.62	39.29	125.01
426	28.24	53.27	2.01	7.88	39.30	125.23
427	28.30	53.96	2.14	7.97	39.48	125.74
428	28.37	55.08	2.41	7.97	39.86	126.39
429	28.43	57.82	2.56	7.97	41.74	127.42
430	28.52	56.19	3.18	8.23	43.45	128.44
431	28.57	58.34	3.57	8.23	44.86	129.46
432	28.61	62.54	3.85	8.32	39.47	130.63

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
433	28.71	94.97	4.23	8.41	34.11	131.60
434	28.75	105.78	4.37	8.32	31.07	132.42
435	28.85	100.63	4.70	7.97	32.70	132.63
436	28.89	85.45	4.78	7.97	36.32	132.63
437	28.94	78.58	4.83	7.97	39.18	132.29
438	29.03	77.04	4.48	8.41	40.12	131.81
439	29.07	73.44	4.10	8.32	41.06	130.80
440	29.17	60.48	3.43	7.97	43.16	129.77
441	29.21	55.16	3.28	8.32	46.24	128.33
442	29.31	46.67	2.64	8.15	47.86	127.23
443	29.35	45.47	2.39	8.32	47.99	125.95
444	29.40	44.61	2.11	8.41	46.78	125.04
445	29.49	43.58	1.85	8.50	45.87	124.28
446	29.57	42.81	1.81	8.41	45.80	123.82
447	29.63	41.78	1.81	8.41	46.29	123.71
448	29.68	41.52	1.80	8.41	46.73	123.64
449	29.77	41.18	1.77	8.41	46.82	123.56
450	29.81	41.18	1.76	8.41	46.79	123.49
451	29.86	41.18	1.75	8.41	46.77	123.49
452	29.96	41.35	1.78	8.32	46.91	123.62
453	30.00	41.78	1.84	8.41	47.17	123.91
454	30.06	42.55	1.95	8.32	47.53	124.26
455	30.14	42.81	2.02	8.41	47.72	124.50
456	30.20	43.07	2.02	8.32	47.83	124.60
457	30.27	43.07	2.03	8.32	47.87	124.59
458	30.32	42.72	2.01	8.32	48.29	124.38
459	30.41	40.58	1.88	8.23	49.32	124.03
460	30.46	38.18	1.83	8.32	50.83	123.53
461	30.55	35.86	1.73	8.23	52.09	123.04
462	30.65	34.92	1.62	8.32	51.45	122.30
463	30.68	35.52	1.37	8.32	48.33	121.15
464	30.73	36.55	1.04	8.32	45.20	120.20
465	30.78	37.15	1.10	8.32	43.78	120.09
466	30.91	38.52	1.28	8.32	44.55	120.75
467	30.93	38.61	1.34	8.32	45.88	121.66
468	31.02	39.12	1.57	8.41	46.56	122.44
469	31.07	41.69	1.72	8.41	46.77	123.28
470	31.11	43.58	1.84	8.41	47.05	124.07
471	31.21	43.75	2.09	8.41	47.77	124.55
472	31.25	43.15	2.08	8.32	48.39	124.79
473	31.30	43.67	2.04	8.41	48.41	124.68
474	31.40	42.98	2.00	8.32	48.09	124.60
475	31.44	43.58	2.00	8.41	47.30	124.54
476	31.53	45.64	1.97	8.58	46.28	124.53
477	31.58	46.07	1.95	8.67	45.38	124.50
478	31.67	46.15	1.93	8.67	45.36	124.47
479	31.74	45.64	1.94	8.58	45.68	124.46
480	31.77	45.13	1.95	8.58	46.57	124.47

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
481	31.86	43.58	1.98	8.50	48.09	124.38
482	31.90	40.84	1.95	8.50	49.93	124.10
483	31.98	38.35	1.83	8.41	51.85	123.59
484	32.04	35.77	1.71	8.41	53.37	122.94
485	32.10	33.72	1.59	8.41	56.07	122.21
486	32.18	31.83	1.44	8.41	57.57	121.50
487	32.23	29.34	1.37	8.41	58.96	120.78
488	32.32	27.88	1.27	8.41	60.09	120.22
489	32.37	27.54	1.20	8.41	59.16	119.57
490	32.45	28.22	1.06	8.41	57.30	119.00
491	32.50	28.74	0.99	8.41	55.36	118.48
492	32.57	28.83	0.96	8.50	52.94	118.69
493	32.64	30.63	1.12	8.50	53.33	119.60
494	32.68	32.17	1.35	8.58	55.42	121.90
495	32.78	39.21	2.06	8.58	52.12	124.02
496	32.82	46.84	2.35	8.58	48.75	126.15
497	32.92	56.28	2.84	8.58	44.93	127.68
498	32.96	65.46	3.25	8.58	42.82	129.07
499	33.01	69.75	3.69	8.67	40.55	130.60
500	33.10	85.62	4.57	8.93	37.55	131.88
501	33.15	101.15	4.78	9.20	33.36	133.06
502	33.24	120.79	5.09	9.02	29.91	133.68
503	33.28	130.49	5.15	8.93	26.55	134.31
504	33.38	154.34	5.37	8.67	24.19	134.77
505	33.42	166.09	5.53	8.58	22.46	135.20
506	33.47	171.15	5.64	8.41	21.57	135.48
507	33.56	179.39	5.75	8.32	21.18	135.62
508	33.61	178.10	5.70	8.32	21.20	135.60
509	33.70	170.38	5.60	8.32	21.62	135.48
510	33.74	168.15	5.60	8.32	22.16	135.41
511	33.79	166.17	5.66	8.50	22.26	135.59
512	33.90	174.50	5.97	8.67	22.00	135.73
513	33.93	177.84	5.83	8.50	21.08	135.65
514	34.01	181.19	5.32	8.23	20.06	135.27
515	34.07	182.13	5.01	8.06	19.51	134.82
516	34.13	174.50	4.91	8.23	19.43	134.56
517	34.21	174.32	4.84	8.15	19.68	134.46
518	34.26	174.32	4.89	8.23	19.69	134.45
519	34.40	174.15	4.89	8.15	19.75	134.53
520	34.49	176.47	4.98	8.15	19.78	134.62
521	34.54	177.15	5.05	8.06	19.85	134.73
522	34.59	176.55	5.09	7.97	20.45	134.84
523	34.68	168.32	5.28	7.88	21.85	134.98
524	34.75	156.31	5.57	7.97	24.13	134.98
525	34.82	139.06	5.50	7.88	26.46	134.81
526	34.87	130.49	5.37	7.97	29.59	134.31
527	34.95	106.04	5.13	7.88	32.52	133.86
528	34.98	99.94	5.11	7.88	35.91	133.34

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
529	35.05	92.05	4.92	8.23	37.56	132.99
530	35.11	87.93	4.71	8.85	37.76	132.74
531	35.19	94.71	4.72	9.37	34.51	132.93
532	35.28	119.68	4.83	9.02	30.38	133.36
533	35.33	133.57	4.88	8.58	26.97	133.73
534	35.37	140.87	4.85	8.58	24.13	133.93
535	35.45	162.91	4.73	8.41	21.59	134.08
536	35.51	178.27	4.71	8.41	19.09	134.28
537	35.60	193.97	4.74	8.41	17.70	134.44
538	35.65	198.60	4.73	8.41	16.90	134.57
539	35.71	202.03	4.77	8.32	16.78	134.60
540	35.78	198.34	4.77	8.32	16.99	134.60
541	35.84	193.88	4.76	8.32	18.22	134.65
542	35.92	175.35	5.08	8.23	19.92	134.75
543	35.97	166.35	5.27	8.15	23.27	134.67
544	36.06	131.69	5.24	8.06	26.61	134.34
545	36.11	118.47	5.04	8.06	31.38	133.65
546	36.16	96.86	4.76	7.88	35.24	132.84
547	36.25	82.53	4.36	7.79	40.33	131.95
548	36.29	69.66	4.18	8.32	43.93	131.19
549	36.39	67.09	3.98	8.32	45.80	130.80
550	36.43	69.15	3.96	8.58	44.24	130.72
551	36.53	75.92	3.92	8.76	42.18	130.88
552	36.57	79.70	4.02	8.93	41.13	131.29
553	36.63	80.38	4.44	9.46	42.49	132.02
554	36.71	78.50	5.15	9.90	43.22	132.84
555	36.75	87.51	5.48	12.35	41.86	133.59
556	36.81	99.86	5.64	12.09	40.73	133.99
557	36.91	92.57	5.79	12.00	40.67	134.10
558	36.95	89.91	5.67	11.91	42.57	133.82
559	37.04	83.30	5.35	12.17	43.92	133.40
560	37.09	78.41	5.15	12.35	45.15	132.93
561	37.14	76.35	4.93	12.44	46.15	132.48
562	37.23	72.23	4.67	12.61	46.76	132.11
563	37.27	70.78	4.58	12.61	47.54	131.68
564	37.41	67.52	4.31	12.88	48.44	131.40
565	37.51	65.20	4.31	13.05	49.35	131.21
566	37.55	64.86	4.35	13.14	50.41	131.30
567	37.65	64.34	4.55	13.31	50.78	131.54
568	37.69	66.66	4.72	13.58	50.50	131.85
569	37.74	69.66	4.83	13.66	47.93	132.26
570	37.83	80.64	4.98	13.84	45.32	132.56
571	37.88	83.56	4.96	13.84	42.76	132.64
572	37.97	84.76	4.68	13.49	41.81	132.40
573	38.01	82.79	4.47	13.40	41.67	131.87
574	38.06	76.87	4.10	13.40	42.94	131.26
575	38.15	69.58	3.88	13.40	45.31	130.65
576	38.20	63.57	3.81	13.40	48.32	130.18

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
577	38.26	58.68	3.71	13.66	49.37	129.98
578	38.34	63.36	3.69	13.93	50.04	129.93
579	38.43	60.65	3.79	14.28	49.37	130.09
580	38.48	63.14	3.87	14.36	48.73	130.19
581	38.57	67.00	3.77	14.45	47.27	130.37
582	38.61	68.80	3.91	14.45	45.61	130.95
583	38.70	77.38	4.53	14.63	44.37	131.66
584	38.75	82.36	4.71	14.80	41.68	132.51
585	38.80	95.66	5.00	14.71	40.29	133.00
586	38.85	93.77	5.20	14.36	36.30	133.66
587	38.94	122.42	5.38	14.01	34.25	134.04
588	38.99	120.53	5.41	13.93	32.41	134.28
589	39.04	116.33	5.40	13.93	33.20	134.14
590	39.13	111.87	5.22	13.84	34.27	133.92
591	39.18	106.64	5.16	13.58	35.54	133.63
592	39.26	99.94	5.03	13.31	37.21	133.31
593	39.31	93.17	4.86	13.22	38.57	132.78
594	39.40	88.02	4.42	13.22	40.26	132.06
595	39.45	77.81	4.05	13.22	43.55	130.92
596	39.54	58.94	3.47	13.22	48.17	129.74
597	39.59	53.62	3.23	13.22	56.02	128.59
598	39.64	45.98	3.06	13.58	60.04	127.77
599	39.72	40.24	2.80	14.10	63.59	127.19
600	39.77	40.49	2.82	14.80	66.10	126.83
601	39.86	37.92	2.83	15.15	66.00	126.85
602	39.91	40.75	2.82	15.33	64.52	127.10
603	40.00	45.47	2.98	15.41	61.19	127.48
604	40.03	48.90	3.03	15.50	57.10	128.01
605	40.09	56.54	3.15	15.68	50.30	128.64
606	40.19	66.74	3.38	15.68	46.57	129.24
607	40.23	69.32	3.48	15.50	44.44	129.75
608	40.33	71.63	3.60	15.15	43.84	129.97
609	40.37	72.41	3.60	14.98	42.98	130.08
610	40.47	74.89	3.54	14.98	41.95	130.03
611	40.51	76.44	3.46	14.98	40.03	129.97
612	40.55	81.93	3.37	14.98	37.69	129.97
613	40.65	88.71	3.35	15.24	35.25	130.06
614	40.69	93.60	3.35	15.33	33.40	130.24
615	40.79	97.97	3.41	15.06	32.57	130.42
616	40.83	98.31	3.50	14.98	32.78	130.62
617	40.92	95.31	3.61	14.89	33.82	130.72
618	40.97	91.88	3.63	14.80	35.08	130.74
619	41.01	89.56	3.64	14.89	36.44	130.67
620	41.11	84.93	3.65	14.80	37.71	130.67
621	41.15	83.73	3.74	14.89	39.65	130.90
622	41.25	81.16	4.12	14.89	41.38	131.34
623	41.30	81.24	4.42	14.89	42.94	131.78
624	41.34	81.24	4.54	14.89	40.85	132.37

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
625	41.44	102.18	4.85	14.71	38.12	132.93
626	41.48	108.78	5.03	14.45	34.97	133.60
627	41.58	118.13	5.30	14.28	33.54	134.02
628	41.62	123.71	5.41	14.28	32.24	134.39
629	41.67	129.46	5.53	14.28	31.33	134.68
630	41.75	134.52	5.74	14.19	30.57	134.97
631	41.81	139.15	5.84	14.01	29.92	135.23
632	41.87	143.70	5.95	14.01	29.04	135.43
633	41.95	150.82	6.00	13.84	28.13	135.59
634	42.00	155.62	6.02	13.75	27.02	135.44
635	42.09	154.85	5.44	13.66	26.60	134.77
636	42.22	138.55	4.61	13.14	26.86	133.96
637	42.25	131.43	4.60	13.05	28.21	133.32
638	42.27	122.76	4.56	12.88	30.80	132.94
639	42.35	102.43	4.34	12.61	34.91	132.25
640	42.41	81.76	4.01	12.35	39.88	131.20
641	42.47	71.63	3.54	11.82	44.70	130.04
642	42.53	61.34	3.20	11.82	48.64	128.76
643	42.60	51.13	2.77	11.82	56.05	127.48
644	42.65	42.29	2.48	12.26	60.53	125.98
645	42.74	37.32	2.03	12.26	63.69	124.53
646	42.79	34.66	1.73	12.61	63.47	122.85
647	42.85	33.46	1.34	12.88	61.46	121.22
648	42.93	33.03	1.07	13.31	58.16	119.52
649	42.99	33.03	0.89	13.75	55.66	118.34
650	43.07	33.11	0.85	13.93	51.85	117.75
651	43.11	32.94	0.85	14.10	52.00	117.62
652	43.20	32.17	0.85	14.54	55.18	117.60
653	43.25	31.91	0.86	14.71	55.66	117.65
654	43.34	32.21	0.87	15.24	56.19	117.73
655	43.39	31.57	0.89	15.68	56.68	118.02
656	43.48	32.26	0.96	16.03	56.89	118.39
657	43.53	33.54	1.00	16.47	56.53	118.82
658	43.57	34.32	1.03	16.64	55.32	119.50
659	43.67	38.18	1.19	17.34	51.93	120.69
660	43.76	41.87	1.48	17.87	51.82	121.99
661	43.80	42.21	1.65	18.04	52.52	123.14
662	43.86	43.75	1.85	18.30	55.46	124.04
663	43.94	46.58	2.06	18.66	52.02	124.84
664	43.99	50.70	2.16	18.92	50.51	125.43
665	44.04	52.67	2.23	19.09	49.43	125.82
666	44.10	53.10	2.32	19.53	50.35	126.15
667	44.17	50.62	2.48	19.97	52.57	126.46
668	44.26	48.47	2.59	20.76	57.40	126.68
669	44.31	47.44	2.64	20.93	59.16	126.79
670	44.36	46.41	2.66	21.28	59.63	126.89
671	44.45	47.96	2.71	21.46	58.38	126.76
672	44.50	50.19	2.46	21.63	55.88	126.41

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
673	44.58	51.22	2.21	21.81	52.70	126.37
674	44.64	50.27	2.64	21.98	56.20	126.44
675	44.72	47.36	2.57	22.33	58.46	126.79
676	44.77	47.31	2.64	22.86	59.22	126.67
677	44.83	47.27	2.57	23.30	57.56	126.61
678	44.90	51.73	2.43	26.01	50.74	126.40
679	44.98	59.19	2.23	26.36	46.58	126.14
680	45.02	59.11	2.16	26.45	45.28	125.69
681	45.11	52.50	2.01	26.63	46.70	125.24
682	45.16	50.36	1.96	26.63	48.86	124.68
683	45.24	47.61	1.85	26.89	49.66	124.42
684	45.30	48.21	1.87	27.06	49.76	124.31
685	45.35	49.33	1.89	27.15	49.54	124.46
686	45.43	49.46	1.94	27.06	49.89	124.75
687	45.48	49.46	2.07	27.24	51.73	125.48
688	45.57	49.59	2.50	27.59	55.41	126.37
689	45.60	53.02	2.72	27.68	51.55	127.69
690	45.67	65.20	3.24	27.76	46.90	129.02
691	45.76	80.30	3.63	27.68	42.68	130.26
692	45.81	87.76	3.90	27.50	38.14	131.45
693	45.90	109.47	4.44	26.80	35.42	132.29
694	45.94	114.53	4.58	26.63	31.38	133.17
695	46.04	141.12	4.80	26.01	27.47	133.04
696	46.08	149.87	3.73	25.57	22.31	132.48
697	46.17	171.66	3.10	24.52	18.56	131.83
698	46.26	188.39	3.48	23.82	17.44	131.94
699	46.41	175.95	3.71	22.86	17.92	132.41
700	46.46	176.98	3.74	21.02	17.64	132.90
701	46.55	210.44	4.09	21.20	16.78	133.41
702	46.60	213.36	4.28	20.58	16.38	134.01
703	46.69	208.98	4.55	19.97	16.79	134.28
704	46.73	210.44	4.58	18.92	17.22	134.41
705	46.80	207.52	4.55	18.57	17.22	134.37
706	46.87	207.87	4.50	18.30	17.28	134.28
707	46.93	206.07	4.44	18.04	17.54	134.27
708	47.01	200.92	4.58	17.78	18.30	134.36
709	47.05	193.63	4.77	17.61	20.27	134.66
710	47.12	174.32	5.28	17.43	22.39	134.40
711	47.19	152.53	4.48	17.34	25.10	133.68
712	47.27	130.06	4.00	17.17	27.50	132.84
713	47.33	122.08	4.30	16.90	30.21	132.66
714	47.42	118.30	4.54	18.13	32.14	132.88
715	47.44	115.64	4.55	18.92	32.71	133.03
716	47.51	119.76	4.61	19.88	33.31	133.07
717	47.57	113.76	4.68	21.46	30.77	133.46
718	47.65	149.10	4.87	21.98	28.26	133.99
719	47.71	161.11	5.16	19.71	25.79	134.60
720	47.77	163.56	5.38	16.55	25.37	134.96

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
721	47.84	166.00	5.47	16.29	24.72	135.18
722	47.93	178.27	5.47	15.94	23.77	135.30
723	47.98	183.33	5.43	15.77	22.55	135.38
724	48.06	190.62	5.41	15.59	21.91	135.46
725	48.10	193.45	5.51	15.59	20.82	135.32
726	48.17	200.40	4.96	15.59	19.54	134.92
727	48.25	203.92	4.45	15.59	18.33	134.49
728	48.30	205.04	4.55	15.59	17.74	134.26
729	48.39	206.07	4.49	15.50	17.77	134.26
730	48.44	203.84	4.46	15.41	17.87	134.19
731	48.49	200.40	4.45	15.24	21.50	133.79
732	48.56	118.30	4.44	14.63	22.96	133.71
733	48.63	176.73	4.56	14.63	25.76	133.62
734	48.70	155.79	4.71	14.54	24.99	133.81
735	48.78	134.52	4.63	14.36	29.14	133.42
736	48.82	113.24	4.51	14.19	34.48	132.49
737	48.92	83.39	3.88	14.36	39.57	131.31
738	48.97	77.04	3.42	14.01	44.99	129.68
739	49.06	61.00	2.84	14.36	48.41	128.45
740	49.08	54.99	2.72	14.45	55.63	127.02
741	49.19	47.44	2.24	14.80	57.91	126.09
742	49.22	46.41	2.13	14.98	58.56	124.88
743	49.29	44.27	1.78	15.15	57.33	123.91
744	49.35	44.18	1.52	21.46	52.26	122.59
745	49.43	43.84	1.26	22.07	50.75	121.53
746	49.48	41.35	1.20	22.51	51.40	120.71
747	49.57	37.58	1.15	22.95	56.51	120.33
748	49.62	36.55	1.15	23.30	58.09	120.12
749	49.71	36.63	1.15	24.09	58.47	120.09
750	49.74	36.63	1.15	24.61	59.21	120.44
751	49.81	36.72	1.31	25.57	61.52	121.57
752	49.90	37.66	1.74	26.28	63.73	122.73
753	49.95	38.26	1.84	26.63	64.60	123.77
754	50.01	40.75	2.00	27.59	62.55	124.34
755	50.08	45.81	2.06	28.55	60.39	124.76
756	50.13	46.41	2.07	29.17	51.78	121.97
757	50.22	46.28	0.00	31.44	42.48	116.88
758	50.26	43.92	0.00	32.84	N/A	87.36
759	50.36	46.15	0.00	36.00	N/A	87.36
760	50.41	46.07	0.00	36.52	N/A	87.36
761	50.50	42.81	0.00	37.40	N/A	87.36

Abbreviations

Depth:	Depth from free surface, at which CPT was performed (ft)
q_c:	Measured cone resistance (tsf)
f_s:	Sleeve friction resistance (tsf)
u:	Pore pressure (tsf)
Fines content:	Percentage of fines in soil (%)
Unit weight:	Bulk soil unit weight (pcf)

Fenagh Engineering and Testing
9070 Center Avenue
Rancho Cucamonga, CA 91730
www.fenaghengineering.com

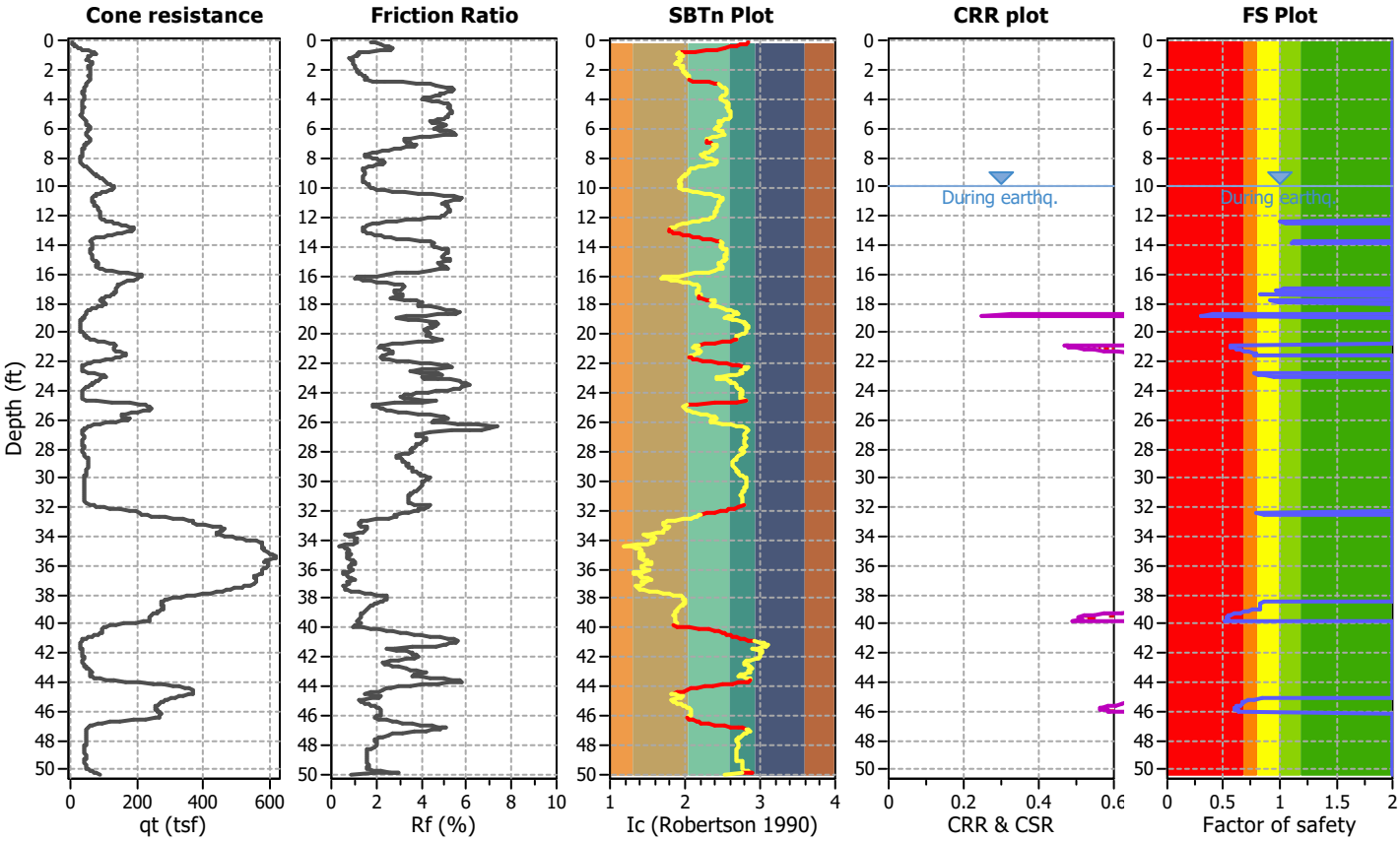
LIQUEFACTION ANALYSIS REPORT

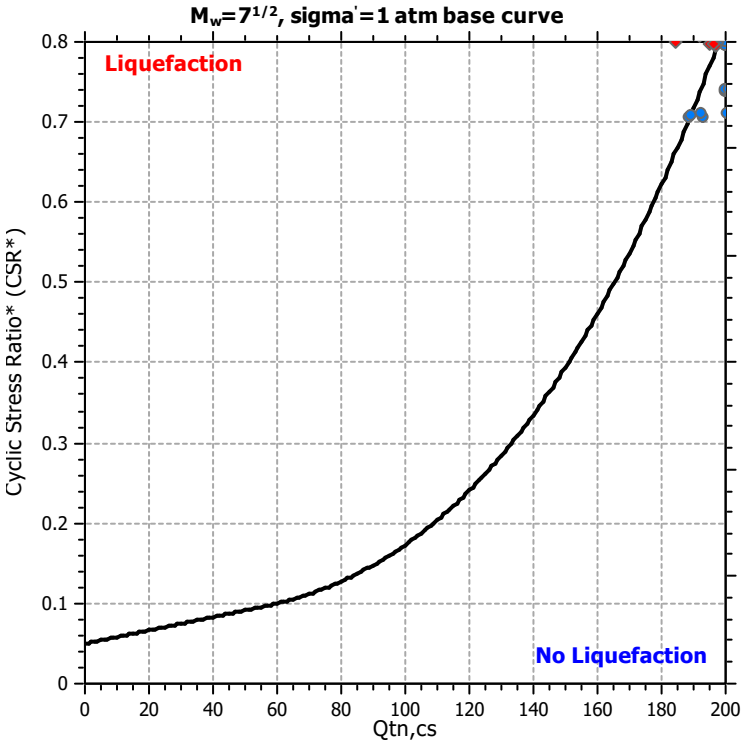
Project title : Centennial High School **Location : 2606 N. Central Ave, Compton, CA 90222**

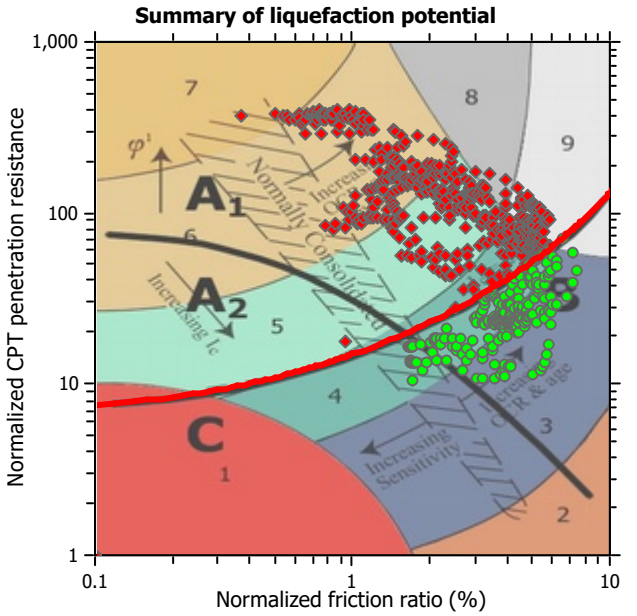
CPT file : CPT-10

Input parameters and analysis data

Analysis method:	NCEER (1998)	G.W.T. (in-situ):	50.00 ft	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	NCEER (1998)	G.W.T. (earthq.):	10.00 ft	Fill height:	N/A	Limit depth applied:	No
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	N/A
Earthquake magnitude M_w:	7.30	Ic cut-off value:	2.60	Trans. detect. applied:	Yes	MSF method:	Method based
Peak ground acceleration:	0.83	Unit weight calculation:	Based on SBT	K_σ applied:	Yes		

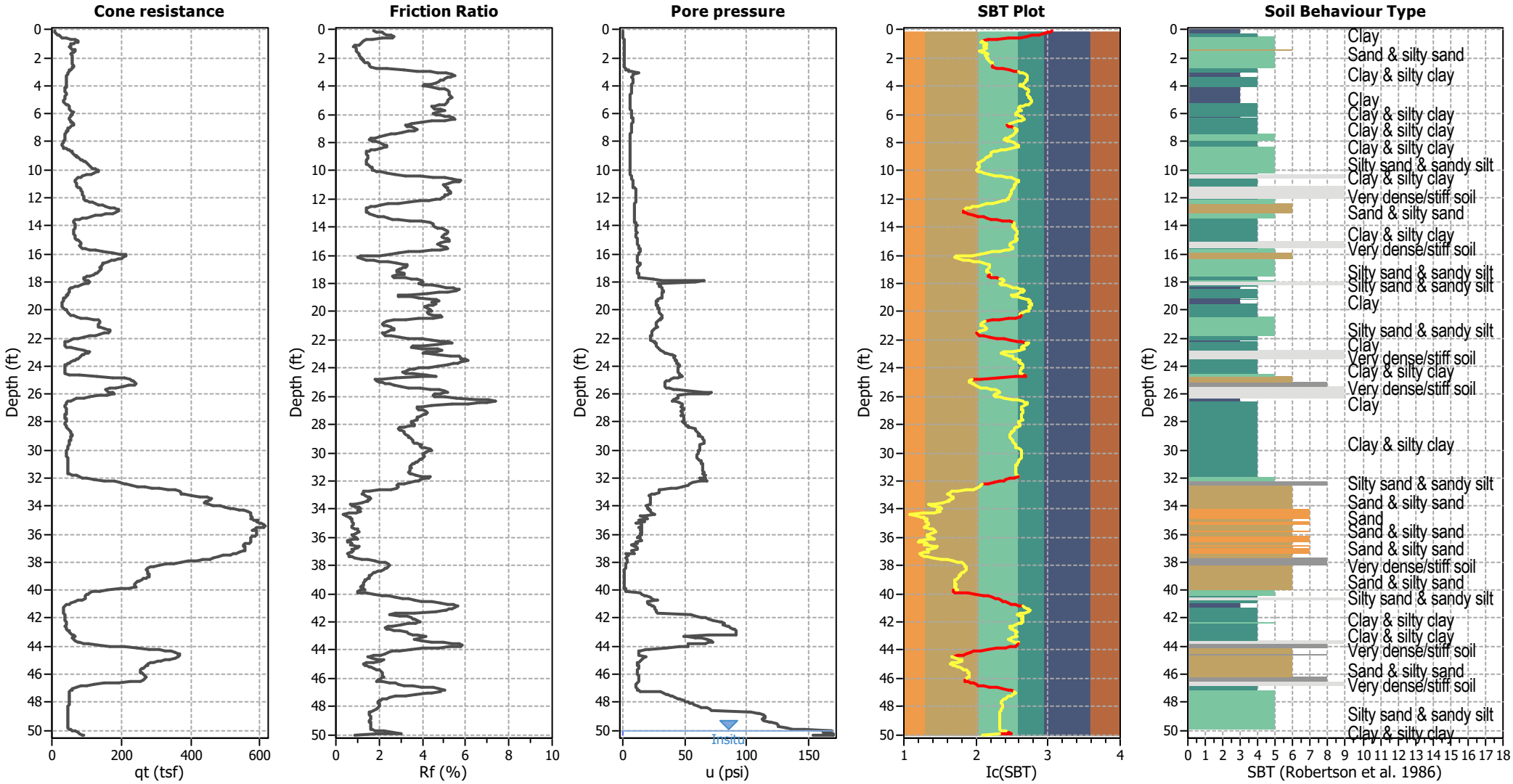






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and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

CPT basic interpretation plots



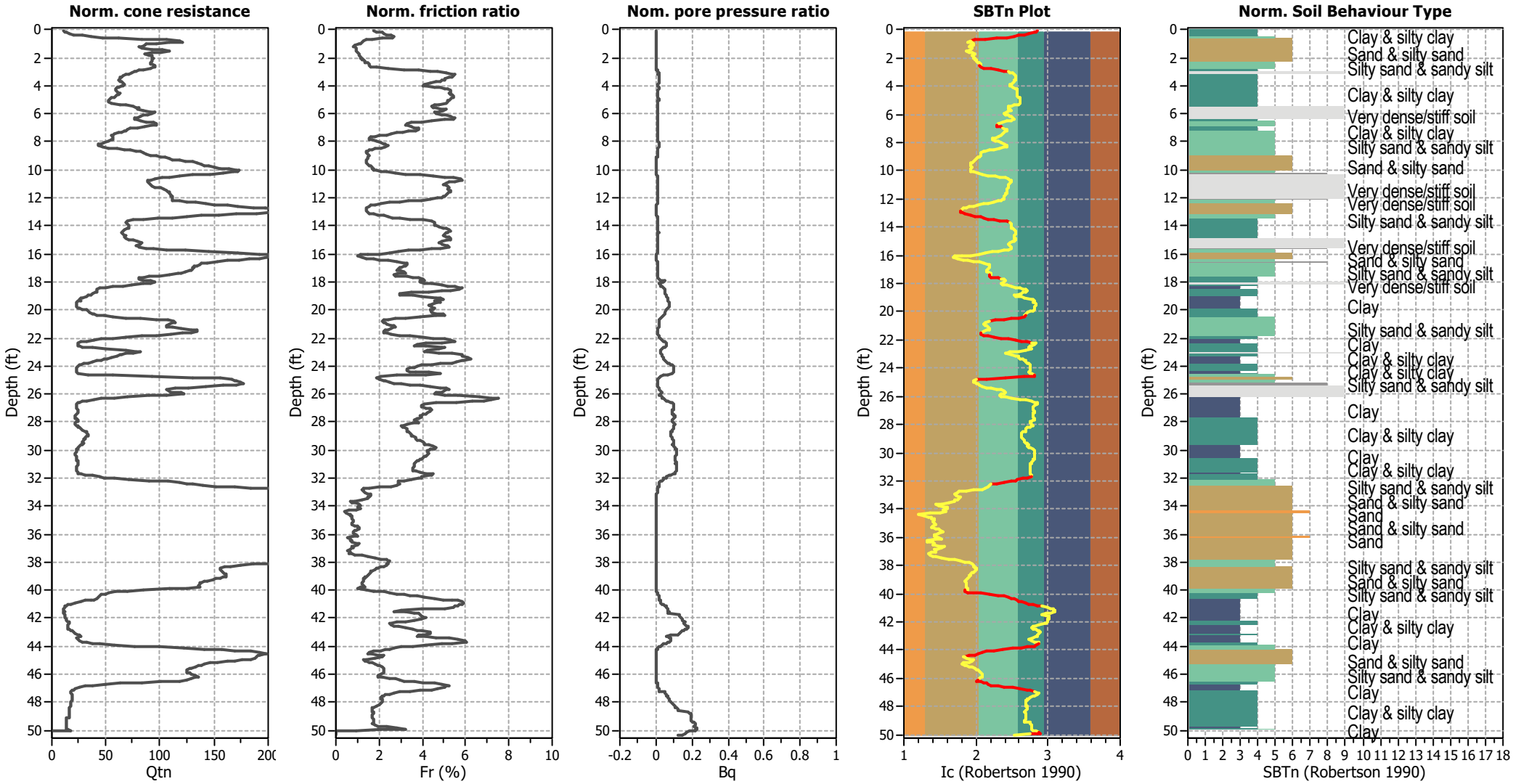
Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	7.30	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.83	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	50.00 ft	Fill height:	N/A	Limit depth:	N/A

SBT legend

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

CPT basic interpretation plots (normalized)



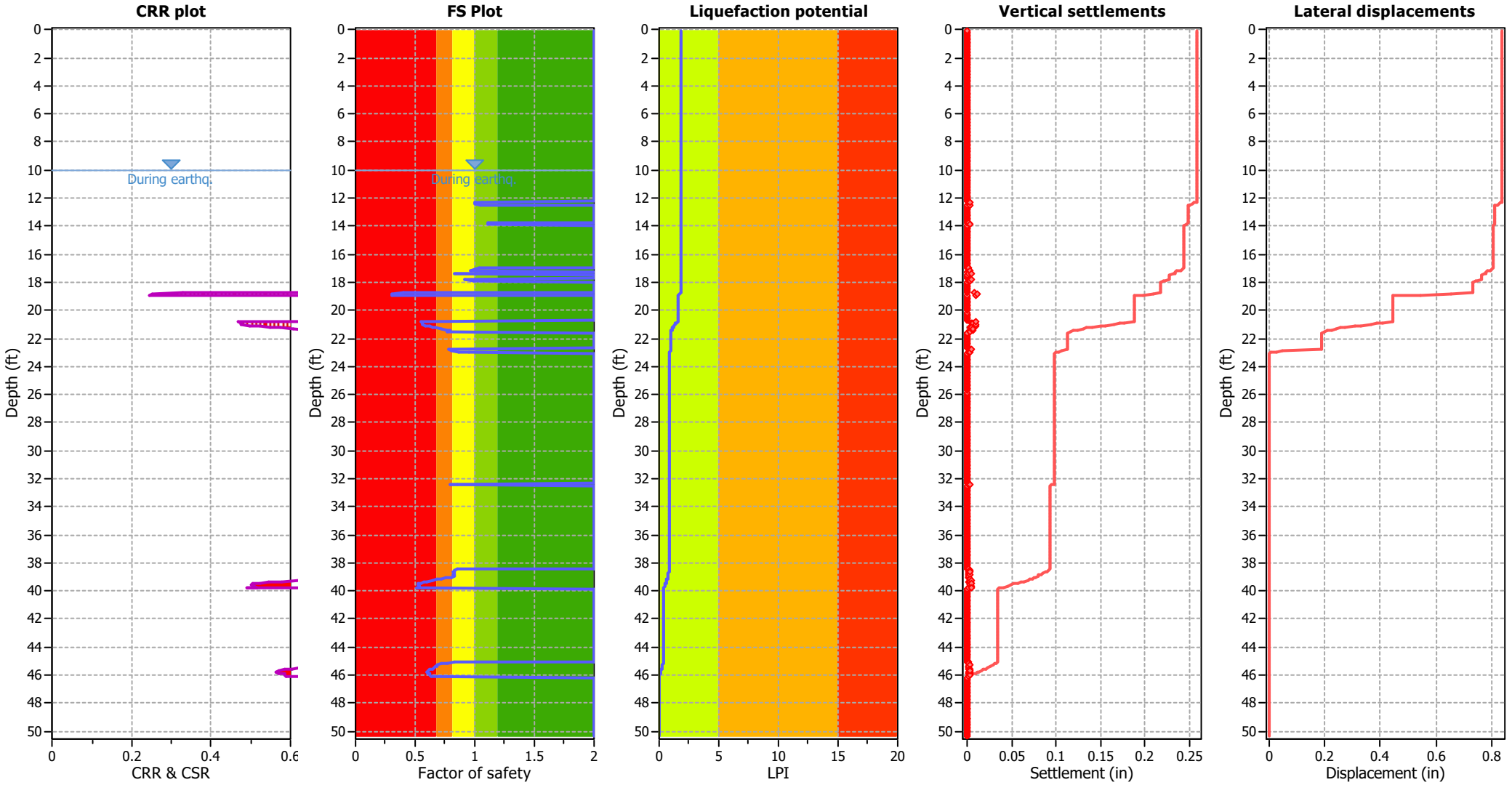
Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	7.30	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.83	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	50.00 ft	Fill height:	N/A	Limit depth:	N/A

SBTn legend

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

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	7.30	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.83	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	50.00 ft	Fill height:	N/A	Limit depth:	N/A

F.S. color scheme

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

LPI color scheme

- Very high risk
- High risk
- Low risk

:: Field input data ::

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
1	0.08	6.18	0.10	0.09	48.96	98.78
2	0.14	7.13	0.14	0.09	47.80	100.67
3	0.20	8.59	0.18	0.18	46.17	103.10
4	0.27	9.88	0.23	0.18	42.65	105.33
5	0.36	12.80	0.29	0.26	39.38	107.71
6	0.41	15.80	0.38	0.35	35.04	111.28
7	0.50	23.79	0.66	0.53	31.93	114.26
8	0.55	27.99	0.79	0.53	27.82	116.49
9	0.60	35.47	0.83	0.53	22.01	117.85
10	0.69	52.55	0.88	0.61	16.49	118.90
11	0.74	66.98	0.91	0.79	12.54	119.76
12	0.81	77.80	0.93	0.88	10.91	120.07
13	0.86	74.88	0.90	0.88	10.26	119.92
14	0.92	73.34	0.83	0.88	11.30	118.99
15	0.99	53.93	0.70	0.88	11.96	117.63
16	1.06	53.41	0.56	0.70	12.19	115.83
17	1.15	54.62	0.43	0.88	10.89	114.40
18	1.19	53.67	0.40	0.70	10.64	113.42
19	1.25	47.83	0.40	0.88	11.36	113.63
20	1.33	49.81	0.48	0.88	11.78	114.52
21	1.38	57.02	0.56	0.88	11.10	115.82
22	1.48	65.26	0.62	1.05	10.21	116.72
23	1.52	67.84	0.64	1.05	9.52	117.11
24	1.61	69.21	0.62	1.05	10.43	116.87
25	1.65	52.04	0.60	1.31	11.44	116.44
26	1.72	53.16	0.58	1.31	12.51	116.10
27	1.80	56.42	0.58	1.31	11.92	116.21
28	1.86	58.14	0.60	1.49	11.78	116.60
29	1.95	58.14	0.66	1.31	11.97	116.97
30	2.00	58.14	0.67	1.31	12.27	117.26
31	2.04	58.05	0.68	1.31	12.42	117.43
32	2.14	58.31	0.71	1.31	12.62	117.60
33	2.18	57.96	0.72	1.31	12.94	117.85
34	2.27	57.53	0.76	1.40	13.33	118.06
35	2.31	56.85	0.78	1.40	13.80	118.33
36	2.37	56.42	0.81	1.40	14.30	118.71
37	2.46	56.93	0.89	1.49	14.59	119.08
38	2.51	58.05	0.90	1.58	14.58	119.37
39	2.58	59.34	0.90	1.67	14.28	119.44
40	2.64	60.20	0.89	1.75	14.56	119.80
41	2.71	59.25	1.03	1.75	16.24	120.91
42	2.78	56.76	1.37	1.84	19.00	122.28
43	2.83	53.59	1.63	1.93	22.93	123.64
44	2.92	47.49	1.97	4.38	25.77	124.55
45	2.96	49.81	2.12	4.65	28.13	125.27
46	3.02	48.43	2.29	6.75	29.23	125.69
47	3.10	46.03	2.37	13.06	30.93	125.90
48	3.16	44.14	2.41	8.15	32.24	125.87

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
49	3.24	42.76	2.36	7.98	33.04	125.69
50	3.29	41.48	2.27	7.80	33.39	125.27
51	3.38	39.59	2.10	7.63	33.44	124.86
52	3.42	39.42	2.05	7.63	33.45	124.39
53	3.52	38.04	1.94	7.71	33.02	124.17
54	3.56	39.42	1.92	7.71	33.04	123.93
55	3.61	37.70	1.89	7.80	32.51	123.87
56	3.70	39.42	1.87	7.89	32.21	123.82
57	3.75	40.10	1.87	7.89	31.17	123.88
58	3.84	41.91	1.88	7.80	30.09	123.64
59	3.89	41.73	1.65	7.63	29.09	123.26
60	3.98	41.13	1.58	7.45	29.01	122.95
61	4.03	39.93	1.69	7.36	29.80	123.05
62	4.07	39.42	1.75	7.28	31.40	123.34
63	4.17	37.35	1.83	7.10	32.60	123.53
64	4.21	37.10	1.87	7.01	33.62	123.68
65	4.27	37.14	1.91	6.93	34.01	123.84
66	4.36	37.18	1.96	6.75	34.29	123.99
67	4.40	37.27	1.99	6.66	34.16	124.20
68	4.48	38.99	2.04	6.66	33.86	124.34
69	4.54	39.24	2.04	6.49	33.55	124.45
70	4.63	39.07	2.04	6.22	33.71	124.42
71	4.68	38.30	2.03	6.14	34.19	124.32
72	4.77	36.93	2.00	6.14	34.84	124.12
73	4.82	35.55	1.94	6.14	35.27	123.84
74	4.87	35.12	1.87	6.14	35.61	123.48
75	4.96	33.58	1.78	6.31	35.67	123.16
76	5.00	33.32	1.73	6.31	35.84	122.82
77	5.09	32.55	1.67	6.05	35.88	122.63
78	5.14	32.37	1.67	5.96	36.00	122.51
79	5.18	32.29	1.67	5.96	35.55	122.70
80	5.28	34.95	1.76	6.14	34.61	123.05
81	5.33	37.27	1.83	6.22	32.13	123.76
82	5.41	45.17	1.98	6.22	30.28	124.40
83	5.47	46.80	2.08	6.22	28.59	125.09
84	5.55	50.32	2.21	6.22	28.39	125.53
85	5.60	50.15	2.30	6.22	28.44	125.95
86	5.65	50.41	2.40	6.40	29.25	126.25
87	5.72	49.29	2.52	6.40	30.01	126.57
88	5.79	49.63	2.64	6.75	28.94	127.04
89	5.88	60.20	2.73	7.01	27.40	127.44
90	5.92	61.74	2.75	7.01	26.27	127.56
91	6.01	57.71	2.65	7.01	26.87	127.44
92	6.06	55.22	2.67	6.93	28.11	127.27
93	6.11	52.98	2.71	6.75	29.28	127.22
94	6.18	51.09	2.70	7.10	30.13	127.16
95	6.25	50.41	2.69	7.45	31.16	127.00
96	6.34	46.63	2.65	7.89	31.67	126.86

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
97	6.37	47.57	2.62	8.24	31.55	126.59
98	6.45	48.43	2.44	8.24	30.20	126.28
99	6.50	49.81	2.27	8.15	27.77	125.88
100	6.59	55.39	2.11	7.98	25.47	125.59
101	6.63	57.79	2.04	7.89	23.16	125.42
102	6.72	61.91	1.98	7.54	22.01	125.34
103	6.77	62.17	1.97	7.28	21.79	125.18
104	6.87	57.53	1.92	6.84	22.45	124.98
105	6.91	55.30	1.89	6.66	24.00	124.55
106	7.00	48.26	1.79	6.66	25.47	124.11
107	7.05	45.26	1.73	6.66	26.99	123.61
108	7.09	43.54	1.67	6.75	27.48	123.16
109	7.19	42.42	1.55	7.01	27.33	122.70
110	7.23	42.34	1.46	7.01	26.41	121.87
111	7.33	41.13	1.20	6.84	25.77	120.92
112	7.37	38.13	1.08	6.58	25.17	119.72
113	7.42	36.58	0.95	6.40	24.91	118.51
114	7.51	34.35	0.76	6.22	24.11	117.37
115	7.56	34.26	0.71	6.14	22.71	116.24
116	7.65	35.47	0.61	5.96	21.46	115.64
117	7.69	35.90	0.59	5.96	20.20	114.99
118	7.79	35.90	0.54	5.96	19.71	114.62
119	7.81	35.47	0.53	5.96	19.86	114.44
120	7.88	34.26	0.55	5.96	21.06	114.83
121	7.95	33.06	0.64	5.87	22.54	115.19
122	8.02	31.69	0.64	5.79	24.55	115.20
123	8.16	27.22	0.60	5.70	26.05	114.95
124	8.20	27.18	0.62	5.70	27.41	114.81
125	8.25	27.18	0.64	5.70	27.78	115.02
126	8.29	27.14	0.65	5.87	27.79	115.24
127	8.34	28.17	0.67	5.87	26.24	115.65
128	8.42	33.58	0.70	5.52	23.63	116.17
129	8.49	39.07	0.71	5.44	20.80	116.67
130	8.54	43.97	0.71	5.44	18.52	117.15
131	8.63	49.46	0.75	5.44	16.94	117.56
132	8.67	52.90	0.76	5.44	15.76	117.97
133	8.73	56.42	0.78	5.44	15.07	118.35
134	8.81	58.82	0.82	5.44	14.79	118.89
135	8.90	60.97	0.90	5.44	14.75	119.49
136	8.95	63.37	0.96	5.44	14.59	120.08
137	8.99	66.72	1.01	5.52	14.12	120.65
138	9.09	72.48	1.08	5.52	13.60	121.11
139	9.13	75.22	1.10	5.52	13.08	121.51
140	9.22	78.14	1.13	5.52	12.76	121.76
141	9.27	80.29	1.15	5.52	12.38	122.07
142	9.32	84.84	1.20	5.52	11.86	122.55
143	9.42	92.91	1.29	5.61	11.42	123.03
144	9.46	95.15	1.33	5.61	11.03	123.62

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
145	9.55	101.33	1.44	5.61	10.95	124.08
146	9.60	102.88	1.50	5.70	11.02	124.72
147	9.69	105.88	1.67	5.70	11.24	125.29
148	9.74	108.72	1.77	5.70	11.44	125.86
149	9.78	110.60	1.86	5.70	11.39	126.46
150	9.87	119.36	2.04	5.70	11.26	126.98
151	9.92	123.14	2.10	5.79	10.91	127.60
152	10.01	132.16	2.26	5.79	10.83	128.14
153	10.06	134.99	2.44	5.96	11.16	128.80
154	10.12	132.42	2.68	5.96	12.15	129.46
155	10.18	127.01	2.99	6.05	13.51	130.09
156	10.24	123.06	3.27	6.14	15.59	130.64
157	10.33	107.77	3.59	6.14	17.98	130.99
158	10.38	97.98	3.78	6.40	21.14	131.17
159	10.46	86.05	3.98	6.84	23.91	131.21
160	10.52	79.35	4.05	7.01	26.40	131.16
161	10.57	74.88	4.06	7.19	28.18	131.02
162	10.65	70.07	4.03	7.36	29.70	130.79
163	10.71	65.61	3.91	7.89	30.48	130.46
164	10.79	65.65	3.71	8.24	30.65	130.17
165	10.84	65.65	3.65	8.42	30.04	129.85
166	10.91	65.69	3.43	8.50	29.24	129.64
167	11.01	68.53	3.36	8.59	28.63	129.61
168	11.03	69.82	3.53	8.59	28.11	129.62
169	11.12	69.47	3.39	8.33	28.33	129.78
170	11.16	69.73	3.57	8.50	28.53	130.07
171	11.25	72.56	3.90	8.68	28.32	130.57
172	11.29	78.49	4.00	9.47	27.74	131.10
173	11.39	82.18	4.21	9.99	27.24	131.44
174	11.43	82.35	4.30	9.99	27.28	131.77
175	11.53	83.73	4.48	10.08	27.34	131.96
176	11.57	85.53	4.50	10.08	27.25	132.12
177	11.62	85.87	4.51	10.17	27.00	132.15
178	11.68	86.82	4.49	10.26	26.73	132.15
179	11.76	88.36	4.46	10.26	26.44	132.14
180	11.85	88.88	4.45	10.26	26.24	132.15
181	11.89	89.39	4.45	10.26	25.92	132.15
182	11.99	91.63	4.41	10.26	25.66	132.13
183	12.01	91.63	4.37	10.26	25.03	131.89
184	12.08	91.46	4.00	10.26	24.08	131.42
185	12.17	93.09	3.59	10.26	22.76	130.83
186	12.22	95.32	3.39	10.26	20.39	130.27
187	12.31	108.20	3.00	10.26	18.19	129.85
188	12.36	113.61	2.81	10.08	15.78	129.40
189	12.40	122.28	2.62	9.56	13.70	128.93
190	12.49	134.31	2.28	9.38	12.06	128.58
191	12.54	139.03	2.29	9.38	10.47	128.46
192	12.63	156.46	2.31	9.38	9.63	128.67

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
193	12.68	163.42	2.33	9.38	8.68	129.18
194	12.77	183.17	2.57	9.47	8.21	129.65
195	12.80	188.58	2.63	9.47	7.83	130.16
196	12.87	194.76	2.72	9.56	7.79	130.36
197	12.96	192.36	2.74	9.56	7.93	130.44
198	13.00	187.38	2.73	9.56	8.42	130.33
199	13.10	172.95	2.70	9.56	9.25	130.13
200	13.14	158.44	2.70	9.38	10.79	129.86
201	13.23	134.13	2.72	9.29	12.51	129.66
202	13.28	126.58	2.76	9.12	14.57	129.50
203	13.32	113.01	2.82	9.03	16.17	129.18
204	13.41	100.56	2.63	9.03	18.11	128.66
205	13.46	89.14	2.50	9.03	20.54	128.13
206	13.52	75.22	2.59	9.38	23.86	127.85
207	13.60	65.26	2.70	9.56	27.44	127.77
208	13.70	61.49	2.76	9.73	29.78	127.76
209	13.74	60.63	2.79	9.91	30.42	127.82
210	13.79	62.34	2.81	10.70	30.25	127.92
211	13.87	63.80	2.84	11.13	29.96	128.05
212	13.92	64.23	2.89	11.31	29.81	128.26
213	13.99	65.95	3.00	11.31	29.91	128.52
214	14.06	66.64	3.11	11.13	30.28	128.79
215	14.12	65.52	3.20	11.05	31.05	128.97
216	14.20	63.72	3.27	11.05	31.87	129.04
217	14.24	62.95	3.27	11.05	32.55	129.00
218	14.33	61.31	3.22	11.05	32.85	128.89
219	14.38	61.14	3.17	11.13	33.00	128.72
220	14.46	60.37	3.09	11.22	32.87	128.60
221	14.52	60.97	3.07	11.22	32.70	128.55
222	14.57	61.74	3.09	11.13	32.22	128.64
223	14.66	64.32	3.14	10.78	31.90	128.76
224	14.70	64.58	3.17	10.78	31.71	128.93
225	14.79	65.09	3.26	10.78	32.05	129.09
226	14.85	64.49	3.34	10.87	32.53	129.26
227	14.90	64.06	3.40	11.22	32.69	129.54
228	14.98	67.84	3.60	11.57	32.15	129.90
229	15.04	72.65	3.73	11.57	30.83	130.34
230	15.12	78.57	3.81	11.66	29.45	130.65
231	15.17	82.35	3.83	11.48	28.59	130.83
232	15.25	82.35	3.87	11.48	28.91	130.87
233	15.31	76.94	3.89	11.75	29.08	130.90
234	15.38	81.88	3.90	12.36	30.33	130.88
235	15.44	72.99	3.99	12.80	30.24	131.12
236	15.54	81.41	4.20	13.24	30.21	131.34
237	15.58	85.87	4.19	13.50	28.28	131.63
238	15.62	93.17	4.15	13.59	26.17	131.79
239	15.72	103.56	4.14	13.85	23.17	132.07
240	15.77	123.74	4.15	14.03	19.88	132.51

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
241	15.83	146.76	4.24	13.59	16.82	133.08
242	15.90	171.32	4.42	13.24	14.00	133.64
243	16.00	205.24	4.43	12.89	11.20	133.18
244	16.04	211.85	2.97	12.80	8.32	131.67
245	16.09	217.52	1.98	12.54	6.37	129.69
246	16.18	212.02	2.17	12.01	5.94	128.93
247	16.22	204.03	2.30	11.84	7.14	129.87
248	16.32	199.31	2.93	11.66	8.50	130.83
249	16.37	194.25	3.30	11.57	10.27	131.78
250	16.41	176.47	3.63	11.48	11.97	132.46
251	16.47	171.49	4.08	12.10	14.13	133.14
252	16.55	159.90	4.63	12.01	16.11	133.68
253	16.65	148.47	4.83	13.15	17.79	133.94
254	16.69	145.47	4.82	13.68	18.60	133.92
255	16.74	144.27	4.76	13.59	18.70	133.71
256	16.83	141.35	4.52	13.15	18.58	133.47
257	16.88	141.43	4.39	12.71	18.46	133.13
258	16.96	137.65	4.22	12.27	18.21	132.86
259	17.01	138.94	4.07	11.92	17.90	132.58
260	17.06	139.72	3.92	12.01	17.54	132.37
261	17.15	138.77	3.86	11.92	17.48	132.24
262	17.20	137.48	3.88	11.97	18.04	132.36
263	17.29	133.10	4.17	11.92	19.07	132.66
264	17.34	129.67	4.46	12.19	19.55	132.50
265	17.41	126.23	3.73	12.36	18.63	131.44
266	17.48	122.28	2.61	12.45	18.34	130.27
267	17.57	107.77	3.04	12.45	19.55	129.65
268	17.61	96.86	3.23	13.06	22.59	129.98
269	17.66	92.31	3.32	13.24	24.34	130.06
270	17.72	91.07	3.32	13.85	25.83	130.20
271	17.82	85.19	3.56	24.11	26.59	130.45
272	17.86	89.82	3.71	31.65	26.24	131.05
273	17.95	103.91	4.04	66.28	24.75	131.62
274	18.00	110.43	4.13	58.48	24.14	132.03
275	18.09	105.02	4.20	30.33	25.33	132.02
276	18.14	91.54	4.18	27.97	27.41	131.84
277	18.18	87.08	4.16	30.29	30.37	131.32
278	18.28	71.53	3.83	29.55	32.60	130.71
279	18.32	66.98	3.61	30.25	35.70	129.71
280	18.41	55.65	3.18	31.12	37.98	128.82
281	18.46	50.49	2.98	31.39	40.23	127.82
282	18.55	47.66	2.70	32.09	40.59	127.13
283	18.60	48.26	2.51	32.44	39.50	126.50
284	18.65	49.29	2.33	32.53	38.30	125.95
285	18.73	47.66	2.15	32.44	36.58	124.89
286	18.78	46.29	1.60	31.65	33.81	123.01
287	18.86	45.26	0.99	31.61	32.32	121.39
288	18.92	41.56	1.27	31.39	33.17	120.91

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
289	18.97	39.76	1.41	31.56	36.74	121.76
290	19.05	38.64	1.52	31.39	39.08	122.17
291	19.11	37.10	1.57	31.39	44.00	122.00
292	19.18	25.42	1.51	30.33	45.51	121.79
293	19.23	34.09	1.46	28.41	47.11	121.42
294	19.32	31.77	1.43	28.05	44.98	121.37
295	19.36	30.06	1.40	27.53	46.94	120.95
296	19.46	27.74	1.31	27.35	48.21	120.57
297	19.49	27.57	1.28	27.44	48.30	120.16
298	19.59	28.08	1.22	27.44	47.37	119.94
299	19.64	28.68	1.18	27.44	46.38	119.75
300	19.69	28.77	1.17	27.62	46.27	119.82
301	19.77	28.68	1.24	27.62	46.66	120.03
302	19.82	29.03	1.28	27.88	46.50	120.58
303	19.93	31.77	1.42	29.02	45.81	121.17
304	19.96	33.32	1.50	29.02	43.43	122.01
305	20.03	39.33	1.63	29.28	41.05	123.05
306	20.15	44.91	1.91	29.90	39.46	124.19
307	20.25	46.63	2.15	30.16	39.13	125.19
308	20.29	48.43	2.32	30.33	39.64	126.13
309	20.38	50.92	2.69	31.30	38.62	126.87
310	20.43	57.45	2.72	32.00	35.35	127.51
311	20.48	69.56	2.68	31.91	30.56	127.89
312	20.57	82.35	2.68	31.39	25.71	128.33
313	20.62	99.36	2.71	30.86	21.54	128.87
314	20.70	119.62	2.80	30.07	18.36	129.42
315	20.75	134.56	2.86	29.28	16.54	129.91
316	20.84	139.46	2.98	27.79	15.93	130.22
317	20.89	138.51	3.03	27.18	15.97	130.36
318	20.94	137.83	3.02	27.00	16.50	130.45
319	21.03	132.07	3.13	26.65	17.24	130.59
320	21.07	129.58	3.28	26.65	18.20	130.92
321	21.16	130.18	3.52	26.65	18.69	131.26
322	21.21	132.85	3.60	27.88	18.91	131.56
323	21.26	133.45	3.67	28.49	18.38	131.87
324	21.33	147.02	3.83	25.60	17.21	132.22
325	21.43	163.42	3.87	24.72	15.85	132.47
326	21.47	168.91	3.78	24.29	14.88	132.44
327	21.53	167.97	3.62	24.02	14.62	132.16
328	21.61	161.01	3.46	23.85	15.00	131.86
329	21.66	151.82	3.47	23.50	16.02	131.61
330	21.74	139.37	3.47	23.23	17.93	131.48
331	21.80	122.54	3.58	22.97	20.69	131.41
332	21.87	107.43	3.77	22.36	24.01	131.17
333	21.94	92.91	3.61	22.27	28.39	130.48
334	22.02	67.58	3.23	22.00	32.67	129.50
335	22.07	61.83	3.03	22.09	37.25	128.45
336	22.11	54.79	2.85	22.62	40.68	127.23

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
337	22.21	40.36	2.24	24.64	44.68	125.75
338	22.26	35.72	1.95	25.34	47.80	123.89
339	22.33	33.58	1.60	26.21	47.18	122.48
340	22.40	33.62	1.33	26.65	44.95	121.13
341	22.45	33.62	1.16	26.83	43.11	120.32
342	22.53	33.66	1.17	27.09	42.34	120.28
343	22.58	35.47	1.29	27.35	43.61	121.77
344	22.66	38.90	1.90	27.62	44.57	123.97
345	22.72	45.00	2.50	28.05	40.14	126.87
346	22.81	73.16	3.32	29.81	35.01	129.07
347	22.86	86.82	3.74	30.60	29.21	131.08
348	22.95	114.04	4.36	32.79	27.25	132.12
349	22.99	110.26	4.54	33.14	27.06	132.81
350	23.04	102.45	4.76	34.28	29.83	133.01
351	23.11	90.77	5.08	35.51	32.65	133.10
352	23.18	87.76	5.10	38.49	34.84	133.13
353	23.23	86.30	5.10	39.80	35.27	132.88
354	23.32	83.73	4.71	42.34	35.85	132.55
355	23.36	78.83	4.61	41.64	37.86	131.99
356	23.46	65.44	4.43	42.21	39.15	131.62
357	23.51	71.53	4.27	41.86	40.26	130.98
358	23.59	64.92	3.77	42.08	39.94	130.22
359	23.65	58.14	3.34	43.57	41.09	129.21
360	23.69	55.04	3.10	43.57	42.20	127.91
361	23.78	47.32	2.40	43.57	43.22	126.59
362	23.83	42.85	2.13	44.45	43.56	124.71
363	23.92	39.24	1.60	44.98	43.81	123.28
364	23.97	36.84	1.45	45.41	43.14	121.80
365	24.05	35.38	1.27	45.41	43.32	120.97
366	24.10	34.01	1.19	45.06	43.17	120.29
367	24.15	33.49	1.14	45.06	42.86	119.78
368	24.24	33.49	1.05	44.98	42.32	119.40
369	24.30	33.49	1.03	44.98	42.19	119.32
370	24.39	33.49	1.11	44.98	42.96	119.65
371	24.43	33.49	1.20	44.89	44.28	120.25
372	24.48	33.58	1.31	44.89	46.42	121.67
373	24.58	36.24	1.84	45.77	47.11	123.12
374	24.61	40.45	2.04	46.20	39.13	124.89
375	24.69	70.85	2.12	47.43	26.44	126.71
376	24.75	124.95	2.43	48.31	17.46	129.21
377	24.83	184.97	3.37	45.06	13.34	131.49
378	24.89	216.06	3.92	40.59	12.13	133.35
379	24.95	225.85	4.54	38.31	12.21	134.48
380	25.02	228.85	5.04	37.61	12.76	135.25
381	25.07	230.83	5.31	34.72	13.20	135.80
382	25.14	235.81	5.64	34.19	13.74	136.51
383	25.22	243.19	6.55	34.19	14.38	137.28
384	25.27	246.46	7.14	34.24	15.69	137.28

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
385	25.36	238.04	8.28	34.28	17.19	137.28
386	25.41	225.50	8.58	33.84	19.50	137.28
387	25.49	202.15	9.15	33.67	21.78	137.28
388	25.55	178.19	8.65	35.68	24.18	137.28
389	25.59	164.62	8.35	37.52	25.94	137.28
390	25.68	150.71	7.87	40.85	27.02	137.28
391	25.73	148.39	7.75	43.84	26.86	137.28
392	25.85	160.93	7.76	66.28	25.66	137.28
393	25.87	172.78	7.86	71.45	24.15	137.28
394	25.95	183.17	8.12	68.73	23.68	137.28
395	26.00	175.35	8.06	52.95	24.14	137.28
396	26.05	164.79	7.95	44.80	26.68	137.28
397	26.14	126.23	7.48	44.93	30.14	136.99
398	26.19	110.69	7.12	44.93	35.80	135.85
399	26.28	81.24	6.24	45.06	39.87	134.78
400	26.32	76.00	5.70	43.84	44.48	132.83
401	26.42	55.30	3.84	40.85	46.24	131.00
402	26.46	51.61	3.37	39.63	48.69	128.85
403	26.51	45.60	3.01	42.61	49.21	127.26
404	26.59	40.27	2.12	45.41	48.85	125.36
405	26.65	38.56	1.65	46.20	46.83	123.28
406	26.75	37.18	1.45	47.69	45.50	122.11
407	26.79	36.58	1.40	48.04	45.18	121.65
408	26.89	36.67	1.39	47.26	45.29	121.58
409	26.91	36.67	1.42	47.26	45.39	121.85
410	26.98	37.96	1.54	49.10	45.90	122.25
411	27.04	37.87	1.62	49.10	46.24	122.69
412	27.13	38.56	1.68	49.10	46.42	122.94
413	27.17	39.24	1.69	47.96	45.89	123.10
414	27.25	40.36	1.69	46.64	45.67	123.07
415	27.30	39.16	1.65	47.83	45.56	122.76
416	27.40	37.61	1.50	47.60	45.73	122.33
417	27.43	37.44	1.46	47.69	45.68	121.82
418	27.50	36.24	1.38	47.17	45.97	121.48
419	27.59	34.95	1.33	48.83	46.36	121.19
420	27.63	34.95	1.33	49.18	46.59	121.14
421	27.72	35.47	1.36	49.18	45.76	121.27
422	27.77	37.87	1.37	49.27	44.46	121.49
423	27.83	39.59	1.39	49.18	43.11	121.68
424	27.91	40.45	1.41	48.74	43.23	121.79
425	27.96	38.39	1.43	47.96	44.21	121.79
426	28.05	36.93	1.42	49.71	45.11	121.45
427	28.10	36.15	1.27	50.24	44.49	120.88
428	28.17	36.67	1.14	50.94	43.18	120.35
429	28.23	37.35	1.15	51.73	41.21	120.16
430	28.32	40.45	1.14	52.95	40.39	120.37
431	28.38	40.45	1.20	53.22	40.16	120.66
432	28.42	39.93	1.26	54.18	40.30	121.24

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
433	28.49	43.71	1.40	58.30	39.65	121.96
434	28.55	47.49	1.52	59.09	38.23	122.79
435	28.64	50.92	1.64	59.44	37.27	123.43
436	28.68	52.64	1.72	59.53	36.85	123.99
437	28.78	53.93	1.84	60.76	36.79	124.43
438	28.88	55.30	1.92	61.90	36.79	124.74
439	28.89	55.56	1.92	61.37	36.49	124.85
440	28.96	56.25	1.90	61.28	36.89	124.79
441	29.02	53.16	1.89	62.69	37.60	124.70
442	29.10	51.87	1.89	64.26	38.65	124.62
443	29.16	51.35	1.89	64.88	39.02	124.51
444	29.23	50.84	1.83	64.96	39.28	124.40
445	29.29	50.06	1.83	65.40	39.80	124.35
446	29.34	49.12	1.88	65.67	40.65	124.49
447	29.43	48.86	1.96	65.58	41.34	124.65
448	29.47	49.03	1.97	65.93	41.69	124.77
449	29.53	48.95	1.98	65.40	41.41	124.83
450	29.61	50.58	1.99	62.34	41.77	124.84
451	29.66	48.00	1.99	62.25	43.20	124.75
452	29.75	43.45	1.98	61.90	45.23	124.59
453	29.79	43.02	1.97	62.16	46.51	124.32
454	29.89	42.25	1.85	62.60	46.53	124.05
455	29.93	41.65	1.79	62.60	46.37	123.62
456	30.02	40.62	1.69	62.07	46.48	123.29
457	30.07	39.85	1.65	61.46	46.56	123.01
458	30.14	39.76	1.63	61.11	46.78	122.94
459	30.21	39.67	1.65	60.84	47.02	122.96
460	30.26	39.50	1.67	60.76	47.09	122.94
461	30.35	39.50	1.61	59.79	46.98	122.97
462	30.44	40.36	1.67	59.44	46.31	122.96
463	30.49	41.39	1.64	60.05	45.73	123.06
464	30.53	41.82	1.65	60.41	45.06	123.04
465	30.63	42.16	1.63	61.28	44.76	122.99
466	30.68	42.08	1.60	61.46	44.43	122.88
467	30.72	42.08	1.57	61.90	44.18	122.75
468	30.79	42.08	1.55	63.12	43.74	122.66
469	30.84	42.85	1.53	63.91	43.28	122.58
470	30.92	43.02	1.51	63.74	43.02	122.53
471	31.01	42.59	1.51	64.17	43.08	122.48
472	31.06	42.51	1.50	64.09	43.21	122.45
473	31.10	42.51	1.50	64.09	43.18	122.42
474	31.20	42.51	1.49	64.09	43.25	122.36
475	31.25	42.08	1.47	64.09	43.22	122.27
476	31.33	42.08	1.45	64.17	43.26	122.21
477	31.38	42.08	1.45	64.00	43.23	122.18
478	31.45	42.08	1.46	64.53	43.23	122.32
479	31.52	43.11	1.52	65.05	43.45	122.60
480	31.57	43.45	1.61	65.23	43.95	123.23

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
481	31.65	45.00	1.83	65.23	44.86	123.98
482	31.69	45.86	2.01	65.14	44.74	125.39
483	31.80	54.79	2.61	66.10	41.40	126.82
484	31.84	70.16	2.83	66.63	37.66	128.25
485	31.92	78.49	3.12	65.23	34.14	129.24
486	31.98	87.93	3.37	66.67	32.68	130.01
487	32.03	91.28	3.56	61.81	29.88	131.20
488	32.12	120.57	4.32	66.72	26.20	132.43
489	32.17	149.85	4.63	68.12	22.30	133.85
490	32.26	179.47	5.20	62.51	19.56	134.85
491	32.30	200.43	5.53	56.81	18.42	135.70
492	32.38	204.46	5.97	54.36	17.99	136.27
493	32.44	211.93	6.23	53.66	17.84	136.68
494	32.49	220.87	6.36	53.39	16.79	137.13
495	32.58	252.55	6.68	48.57	15.18	137.13
496	32.62	261.23	5.78	47.69	12.03	136.15
497	32.70	286.73	3.53	43.13	9.45	135.05
498	32.76	309.66	4.15	38.40	7.47	134.47
499	32.82	335.59	4.41	30.25	6.96	135.16
500	32.88	360.67	4.39	29.28	6.31	135.44
501	32.95	373.72	4.38	29.28	6.34	135.88
502	33.04	363.50	5.10	29.28	6.74	136.47
503	33.09	373.63	5.51	25.86	7.47	137.21
504	33.14	373.55	5.96	23.23	7.72	137.28
505	33.21	395.62	6.52	21.66	7.48	137.28
506	33.31	438.38	6.71	21.83	6.93	137.28
507	33.34	450.40	6.59	22.36	6.33	137.28
508	33.40	461.14	6.58	22.44	6.22	137.28
509	33.48	459.85	6.92	22.00	6.08	137.28
510	33.53	459.16	6.41	22.09	4.86	137.28
511	33.63	448.00	2.91	22.09	3.22	135.10
512	33.68	441.47	2.34	21.92	2.07	132.96
513	33.77	439.33	3.50	21.92	2.69	133.94
514	33.81	442.25	4.18	21.92	3.88	135.71
515	33.86	439.41	5.08	21.92	4.40	136.75
516	33.94	468.95	5.32	19.20	4.56	137.28
517	34.00	484.50	5.46	19.38	4.15	137.28
518	34.07	502.62	5.14	19.90	3.62	137.28
519	34.13	513.95	4.63	20.08	3.77	137.28
520	34.21	527.52	6.69	21.48	4.17	137.28
521	34.25	534.82	7.00	21.66	2.97	137.28
522	34.32	557.92	1.65	21.83	1.09	134.76
523	34.39	570.37	1.72	22.00	0.00	131.13
524	34.46	574.41	2.90	23.85	0.21	133.40
525	34.55	572.86	3.90	25.34	0.95	135.02
526	34.60	574.23	3.83	25.86	1.24	135.59
527	34.65	574.06	3.75	17.80	1.37	135.83
528	34.72	573.63	4.28	14.12	1.74	136.51

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
529	34.79	577.93	4.99	18.85	1.75	136.62
530	34.86	583.25	3.91	20.16	1.56	136.20
531	34.93	564.96	3.58	18.02	1.44	136.10
532	34.97	590.98	4.78	13.33	1.89	136.95
533	35.05	590.55	5.41	17.18	2.08	137.28
534	35.11	603.17	4.72	18.06	2.07	137.28
535	35.18	583.59	4.63	11.13	1.46	136.59
536	35.25	606.35	3.64	14.12	1.34	136.47
537	35.32	616.66	4.49	14.99	1.45	136.98
538	35.38	619.49	5.46	15.69	2.18	137.28
539	35.44	613.26	6.24	15.26	2.72	137.28
540	35.53	609.87	6.28	12.98	2.99	137.28
541	35.58	610.90	6.30	14.82	3.44	137.28
542	35.64	551.48	6.77	14.99	3.46	137.28
543	35.71	595.62	6.05	14.20	2.60	137.28
544	35.76	591.67	2.99	15.17	2.13	137.28
545	35.85	592.18	5.85	14.90	1.78	136.92
546	35.90	589.52	4.81	14.90	1.99	137.27
547	35.96	592.70	3.65	14.64	1.84	137.01
548	36.03	590.81	5.35	15.34	2.66	137.28
549	36.13	586.17	7.44	12.89	3.03	137.28
550	36.17	580.50	4.71	13.28	2.09	137.08
551	36.23	569.68	1.89	12.10	0.66	134.29
552	36.29	574.83	3.00	13.68	0.58	134.04
553	36.36	574.23	4.41	14.12	1.45	135.82
554	36.43	574.32	4.43	15.08	1.76	136.38
555	36.49	574.23	3.94	15.43	1.50	135.93
556	36.56	578.10	3.64	10.52	1.85	136.55
557	36.63	575.26	5.50	12.10	2.74	137.28
558	36.69	558.18	6.52	10.17	3.75	137.28
559	36.75	538.25	6.27	6.58	3.32	137.28
560	36.83	559.21	3.78	9.82	2.38	136.75
561	36.90	559.64	3.58	10.96	1.82	136.01
562	36.95	559.46	4.91	11.57	2.14	136.55
563	37.03	559.51	4.72	11.57	2.03	136.37
564	37.08	559.53	3.25	11.40	1.35	135.14
565	37.15	559.55	2.92	6.84	0.85	134.07
566	37.22	554.65	3.25	7.89	1.11	134.43
567	37.31	541.34	3.77	8.77	1.45	134.77
568	37.35	528.12	3.45	8.94	1.45	134.47
569	37.41	526.92	2.90	1.93	2.00	135.19
570	37.49	513.18	4.87	3.86	3.05	136.60
571	37.54	502.44	5.91	4.30	4.85	137.28
572	37.61	468.87	7.06	4.09	6.27	137.28
573	37.67	477.97	8.20	2.10	7.96	137.28
574	37.76	453.75	9.68	3.24	9.23	137.28
575	37.80	440.19	10.13	3.33	10.63	137.28
576	37.87	414.85	10.39	3.24	11.40	137.28

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
577	37.94	401.11	10.04	3.16	11.99	137.28
578	38.03	369.08	8.94	2.98	12.20	137.28
579	38.08	351.31	8.31	2.72	12.52	137.28
580	38.13	330.44	7.91	2.54	12.84	137.28
581	38.22	307.17	7.13	2.28	13.13	137.28
582	38.27	293.26	6.51	2.19	13.02	137.28
583	38.36	279.86	5.62	2.02	12.73	136.92
584	38.41	274.88	5.31	1.93	12.34	136.24
585	38.45	273.76	5.09	1.84	11.91	135.82
586	38.54	276.13	4.75	1.67	11.59	135.47
587	38.59	270.33	4.62	1.67	11.10	135.13
588	38.68	277.37	4.43	1.67	10.85	134.93
589	38.72	277.33	4.37	1.67	10.48	134.75
590	38.81	277.28	4.25	1.75	10.35	134.64
591	38.86	278.40	4.24	1.67	10.13	134.55
592	38.94	282.52	4.19	1.58	9.85	134.35
593	39.00	280.20	3.88	1.58	9.55	134.01
594	39.05	275.22	3.70	1.58	9.38	133.54
595	39.12	267.07	3.53	1.58	9.31	133.21
596	39.18	267.92	3.45	1.58	9.37	132.87
597	39.28	256.85	3.29	1.58	9.46	132.60
598	39.32	251.09	3.22	1.58	9.69	132.30
599	39.38	244.91	3.14	1.58	9.70	131.97
600	39.46	242.08	2.92	1.58	9.58	131.59
601	39.51	240.70	2.81	1.58	9.36	131.21
602	39.57	237.87	2.72	1.58	9.45	131.26
603	39.65	240.83	2.98	1.58	10.05	131.79
604	39.74	239.59	3.45	1.58	10.26	132.04
605	39.77	240.96	3.03	1.58	9.20	130.93
606	39.83	236.24	1.66	1.58	9.06	129.25
607	39.92	180.42	1.97	1.93	9.99	127.92
608	39.97	164.79	2.16	2.28	14.68	128.35
609	40.06	128.81	2.44	2.63	18.65	128.55
610	40.11	114.04	2.50	2.63	22.88	128.64
611	40.18	109.15	2.60	14.12	25.68	128.85
612	40.24	101.93	2.87	14.73	28.07	129.24
613	40.30	97.72	3.07	15.26	30.48	129.62
614	40.38	94.63	3.21	17.62	32.05	129.92
615	40.43	94.37	3.34	18.94	33.59	130.48
616	40.52	94.89	3.86	22.18	35.02	131.07
617	40.57	93.77	4.09	23.14	37.15	131.67
618	40.66	88.88	4.38	25.34	39.62	131.81
619	40.71	80.98	4.32	27.62	42.17	131.68
620	40.75	76.68	4.14	26.48	45.41	130.90
621	40.84	61.91	3.55	19.90	48.75	129.78
622	40.89	53.59	3.08	19.46	52.97	128.14
623	40.97	45.86	2.49	20.60	58.23	126.56
624	41.03	39.76	2.16	22.36	60.99	125.11

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
625	41.09	36.50	1.96	23.76	63.02	124.02
626	41.17	34.78	1.75	24.72	64.11	123.27
627	41.22	33.49	1.69	25.43	65.01	122.68
628	41.31	31.77	1.62	26.04	64.61	121.80
629	41.35	31.26	1.23	26.21	60.90	119.70
630	41.41	30.49	0.59	26.65	56.71	117.61
631	41.49	30.49	0.78	27.00	52.41	116.60
632	41.54	30.49	0.90	27.53	57.88	117.92
633	41.63	30.49	1.04	27.70	60.01	118.79
634	41.68	30.40	1.12	28.23	59.67	119.62
635	41.75	34.52	1.22	55.23	58.88	120.26
636	41.82	34.69	1.29	58.13	57.94	120.87
637	41.90	34.95	1.37	63.12	58.50	121.25
638	41.95	35.29	1.42	64.70	58.48	121.53
639	42.00	36.15	1.43	66.45	58.08	121.56
640	42.08	35.98	1.38	69.70	57.25	121.34
641	42.14	35.90	1.28	72.59	55.25	120.81
642	42.23	37.78	1.13	78.55	50.35	120.19
643	42.27	38.04	1.05	79.78	46.83	119.62
644	42.33	41.05	0.97	82.06	45.21	119.14
645	42.42	39.24	0.92	80.83	44.69	118.75
646	42.46	37.27	0.90	81.53	46.09	118.57
647	42.55	36.50	0.94	84.43	47.78	118.75
648	42.60	36.15	1.01	85.57	49.15	119.22
649	42.66	36.58	1.09	86.80	50.50	120.11
650	42.74	38.30	1.32	88.72	51.28	121.23
651	42.80	40.70	1.52	90.83	50.00	121.91
652	42.87	43.80	1.39	91.97	49.53	122.93
653	42.92	46.29	1.85	91.18	48.96	124.03
654	43.01	50.15	2.17	92.06	49.54	125.25
655	43.06	51.52	2.26	91.27	48.34	125.86
656	43.15	55.13	2.27	92.14	44.97	126.21
657	43.22	65.69	2.29	68.82	42.62	126.43
658	43.26	63.72	2.32	49.45	41.68	126.62
659	43.31	61.74	2.37	51.46	44.35	126.86
660	43.40	57.19	2.64	58.39	47.23	127.29
661	43.45	56.59	2.86	63.39	49.94	128.05
662	43.54	59.08	3.28	68.38	50.58	128.91
663	43.59	63.20	3.62	71.89	50.19	130.14
664	43.67	70.85	4.36	72.42	48.38	131.20
665	43.72	79.09	4.62	68.91	46.23	132.04
666	43.77	84.41	4.72	67.33	41.42	132.73
667	43.86	108.46	4.99	53.30	37.28	133.35
668	43.90	119.02	5.20	53.04	31.03	134.42
669	43.99	164.45	5.82	52.95	25.49	135.50
670	44.05	209.70	6.18	45.24	20.73	136.60
671	44.09	244.82	6.53	34.89	17.34	137.28
672	44.19	287.25	6.89	21.39	15.35	137.28

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
673	44.23	303.30	6.96	19.02	13.77	137.28
674	44.32	332.84	7.19	14.38	12.46	137.28
675	44.37	342.46	6.33	13.50	10.40	137.28
676	44.47	359.64	4.64	13.15	8.97	136.97
677	44.51	366.51	5.29	13.24	8.53	136.97
678	44.56	369.94	6.20	13.15	9.67	137.28
679	44.65	367.28	7.25	13.41	10.98	137.28
680	44.69	358.78	7.98	13.50	11.99	137.28
681	44.79	375.09	8.81	18.32	11.68	137.28
682	44.83	360.32	6.20	16.66	10.32	137.28
683	44.92	333.87	4.00	15.52	8.68	135.95
684	44.97	328.12	4.16	15.43	8.25	134.77
685	45.04	313.44	4.24	14.38	8.91	134.88
686	45.11	304.76	4.33	14.03	9.60	134.96
687	45.15	297.38	4.43	13.50	10.47	135.04
688	45.21	277.11	4.58	11.57	11.42	135.30
689	45.30	276.51	4.95	12.10	12.34	135.58
690	45.34	274.88	5.11	12.27	13.06	136.02
691	45.41	271.02	5.51	12.45	13.75	136.32
692	45.48	266.29	5.67	12.54	14.43	136.51
693	45.56	260.54	5.65	12.63	14.85	136.50
694	45.61	256.59	5.59	12.54	15.05	136.38
695	45.71	254.10	5.49	12.27	15.18	136.28
696	45.75	252.12	5.49	12.27	15.24	136.23
697	45.82	252.12	5.49	12.19	15.27	136.27
698	45.89	255.47	5.57	12.19	15.26	136.37
699	45.94	257.62	5.69	12.19	15.04	136.43
700	46.03	262.34	5.55	12.19	14.41	136.19
701	46.08	265.86	4.96	12.45	13.55	135.86
702	46.16	271.87	4.87	12.45	13.35	135.93
703	46.22	273.59	5.63	12.54	14.54	136.83
704	46.31	267.58	6.96	12.71	16.25	137.28
705	46.35	261.83	7.37	12.54	17.28	137.28
706	46.39	276.94	7.68	12.36	18.24	137.28
707	46.48	254.87	8.13	12.89	19.50	137.28
708	46.53	231.00	8.04	12.63	22.63	137.28
709	46.62	183.34	7.64	12.27	26.15	137.28
710	46.67	155.77	6.93	11.92	31.34	136.40
711	46.76	109.75	5.50	10.70	35.72	134.85
712	46.80	99.36	4.96	10.52	40.74	133.11
713	46.85	83.21	4.32	10.26	43.79	131.23
714	46.98	62.69	2.83	11.13	47.23	129.31
715	46.99	59.17	2.74	11.57	49.17	127.24
716	47.08	54.44	2.27	12.27	49.79	126.23
717	47.13	51.61	1.97	12.98	48.69	124.65
718	47.21	49.63	1.49	13.85	47.24	123.24
719	47.27	47.92	1.33	30.60	45.19	122.00
720	47.31	48.69	1.25	32.35	43.74	121.24

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
721	47.41	48.52	1.10	35.33	42.41	120.70
722	47.45	48.43	1.06	36.03	41.50	120.14
723	47.53	47.75	1.00	38.58	40.86	119.82
724	47.59	48.43	0.96	40.50	40.40	119.55
725	47.64	48.18	0.96	41.73	40.04	119.48
726	47.73	48.43	0.97	44.71	40.05	119.50
727	47.78	48.60	0.97	45.85	40.18	119.57
728	47.87	48.18	0.98	48.92	40.36	119.60
729	47.92	48.00	0.98	50.94	40.56	119.58
730	47.97	47.83	0.97	52.60	40.51	119.50
731	48.06	47.75	0.95	54.09	40.60	119.39
732	48.10	46.97	0.94	55.93	40.78	119.25
733	48.16	46.29	0.92	57.95	40.68	118.76
734	48.25	44.83	0.79	60.93	40.01	117.97
735	48.33	44.14	0.69	63.74	39.24	117.19
736	48.38	43.88	0.69	66.45	38.94	116.85
737	48.43	43.71	0.69	67.59	39.22	116.86
738	48.52	43.28	0.69	70.84	39.49	116.85
739	48.56	43.02	0.69	72.15	39.52	116.88
740	48.65	43.37	0.70	100.82	39.57	116.96
741	48.69	43.19	0.71	103.10	39.75	117.06
742	48.78	42.59	0.72	108.63	39.99	117.10
743	48.83	42.85	0.72	110.82	39.84	117.10
744	48.92	43.54	0.71	113.97	39.52	117.07
745	48.97	43.45	0.71	115.03	39.26	117.08
746	49.06	43.71	0.71	115.11	39.28	117.11
747	49.09	43.71	0.72	115.20	39.31	117.14
748	49.15	43.62	0.72	113.89	43.50	117.16
749	49.21	43.45	0.72	113.01	43.72	117.21
750	49.29	43.37	0.73	114.32	44.01	117.26
751	49.38	42.94	0.74	118.09	44.20	117.27
752	49.43	42.94	0.73	119.41	44.18	117.20
753	49.52	42.94	0.71	124.14	44.03	117.11
754	49.56	42.94	0.71	124.93	43.87	117.08
755	49.61	43.28	0.72	125.63	44.25	117.43
756	49.70	43.80	0.81	125.63	45.32	118.16
757	49.75	43.88	0.94	125.63	47.82	119.62
758	49.84	44.14	1.26	133.17	50.28	120.98
759	49.89	44.74	1.42	136.94	51.88	122.23
760	49.94	47.06	1.58	146.24	43.40	119.88
761	50.03	56.59	0.00	168.50	31.91	115.52
762	50.07	66.38	0.00	162.98	N/A	87.36
763	50.15	71.10	0.00	162.46	N/A	87.36
764	50.21	75.57	0.00	170.26	N/A	87.36
765	50.31	86.47	0.00	169.99	N/A	87.36
766	50.35	90.51	0.00	153.60	N/A	87.36

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)

Abbreviations

Depth:	Depth from free surface, at which CPT was performed (ft)
q_c:	Measured cone resistance (tsf)
f_s:	Sleeve friction resistance (tsf)
u:	Pore pressure (tsf)
Fines content:	Percentage of fines in soil (%)
Unit weight:	Bulk soil unit weight (pcf)

Fenagh Engineering and Testing
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Rancho Cucamonga, CA 91730
www.fenaghengineering.com

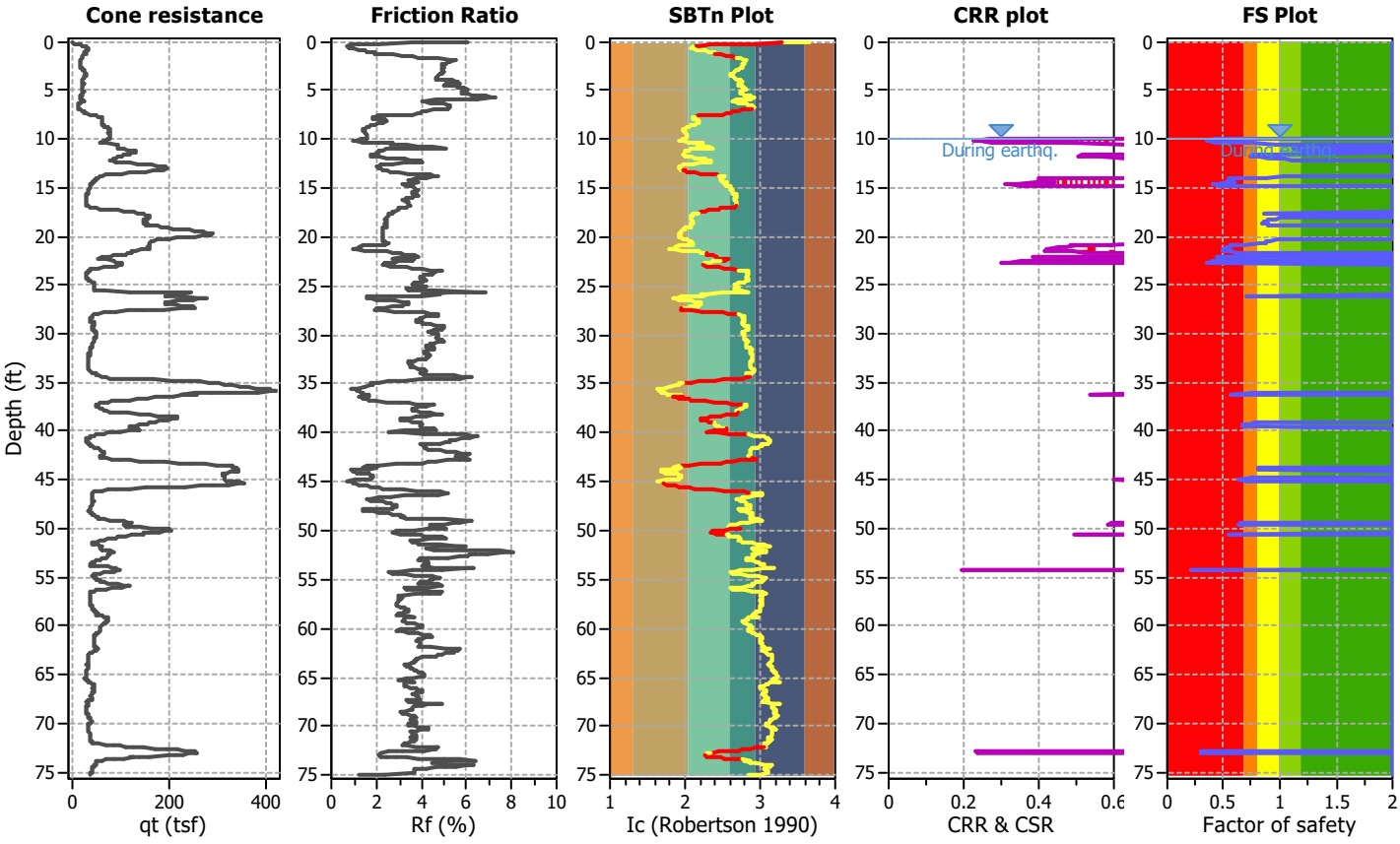
LIQUEFACTION ANALYSIS REPORT

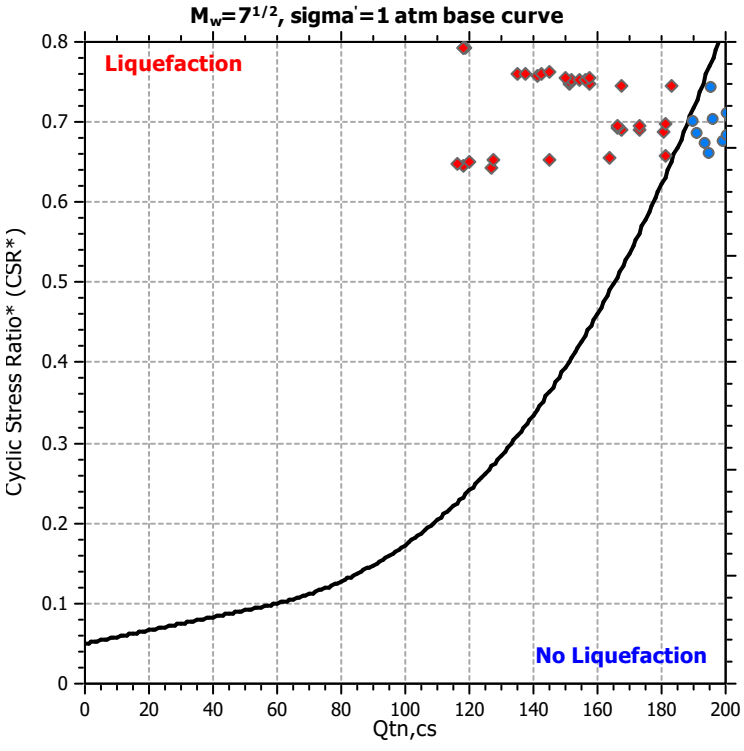
Project title : Centennial High School **Location : 2606 N. Central Ave, Compton, CA 90222**

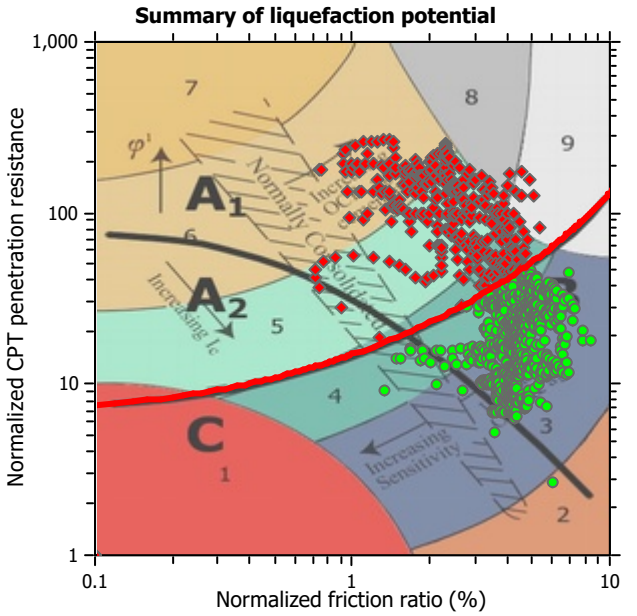
CPT file : CPT-11

Input parameters and analysis data

Analysis method:	NCEER (1998)	G.W.T. (in-situ):	50.00 ft	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	NCEER (1998)	G.W.T. (earthq.):	10.00 ft	Fill height:	N/A	Limit depth applied:	No
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	N/A
Earthquake magnitude M_w:	7.30	Ic cut-off value:	2.60	Trans. detect. applied:	Yes	MSF method:	Method based
Peak ground acceleration:	0.83	Unit weight calculation:	Based on SBT	K_σ applied:	Yes		

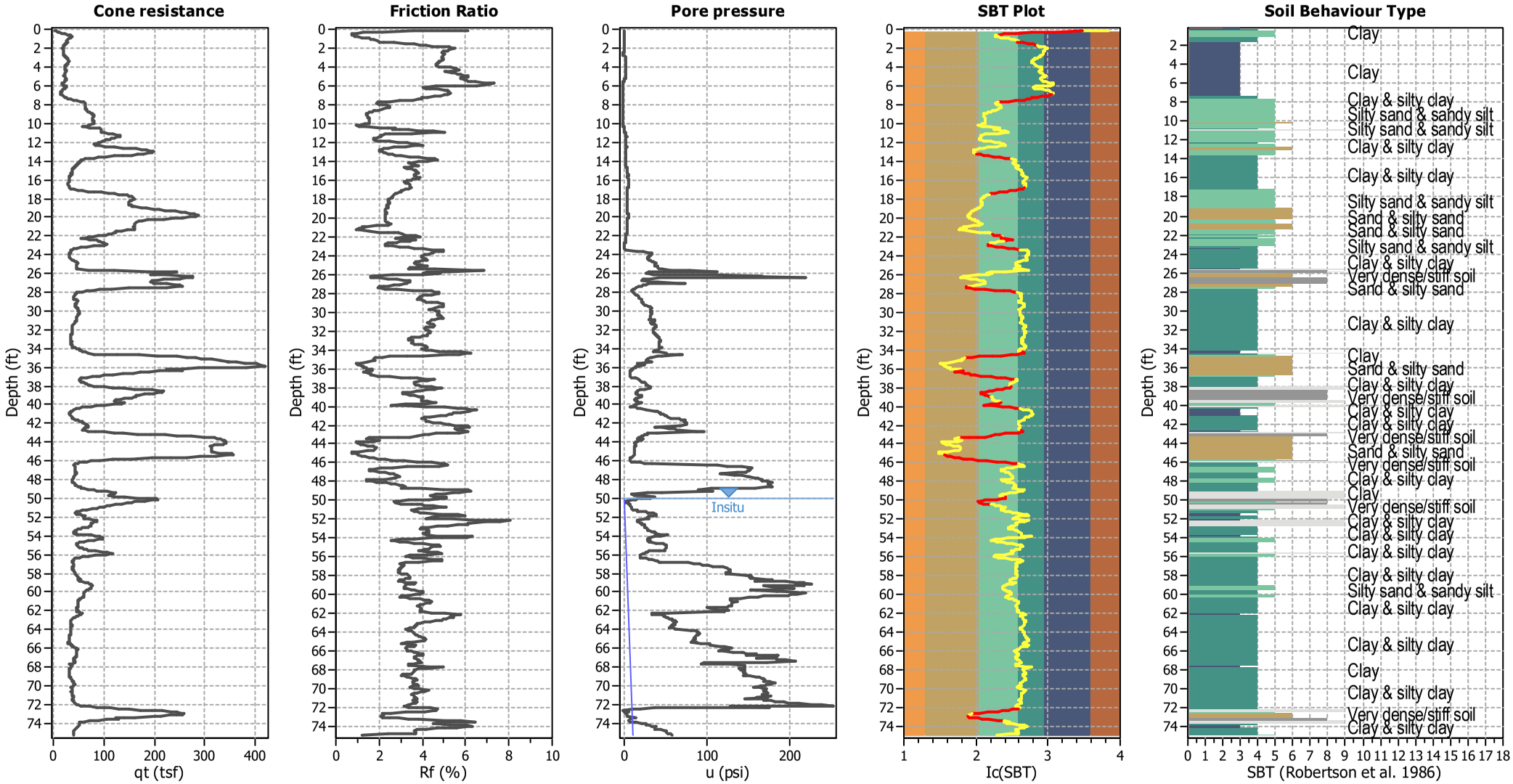






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and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

CPT basic interpretation plots



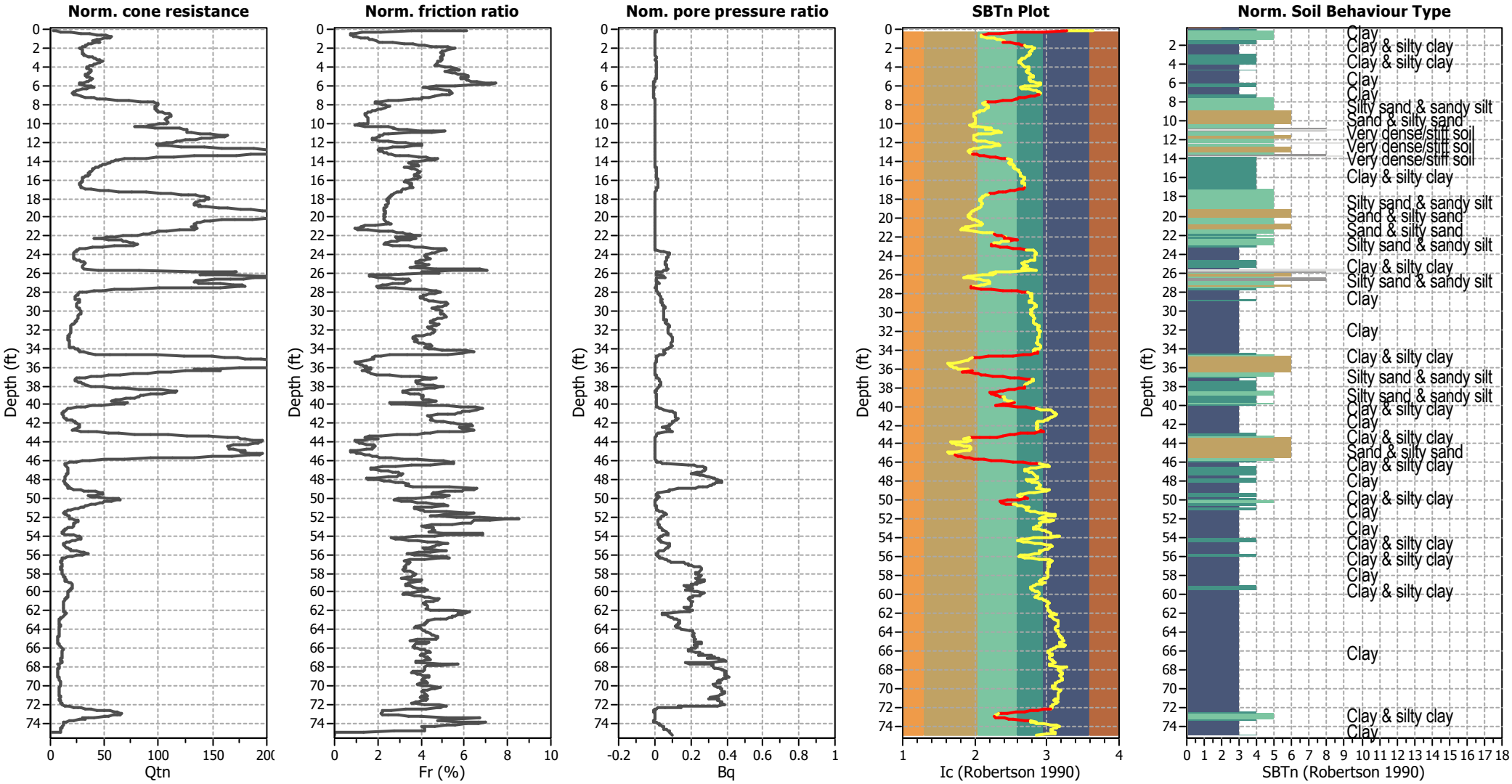
Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	7.30	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.83	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	50.00 ft	Fill height:	N/A	Limit depth:	N/A

SBT legend

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

CPT basic interpretation plots (normalized)



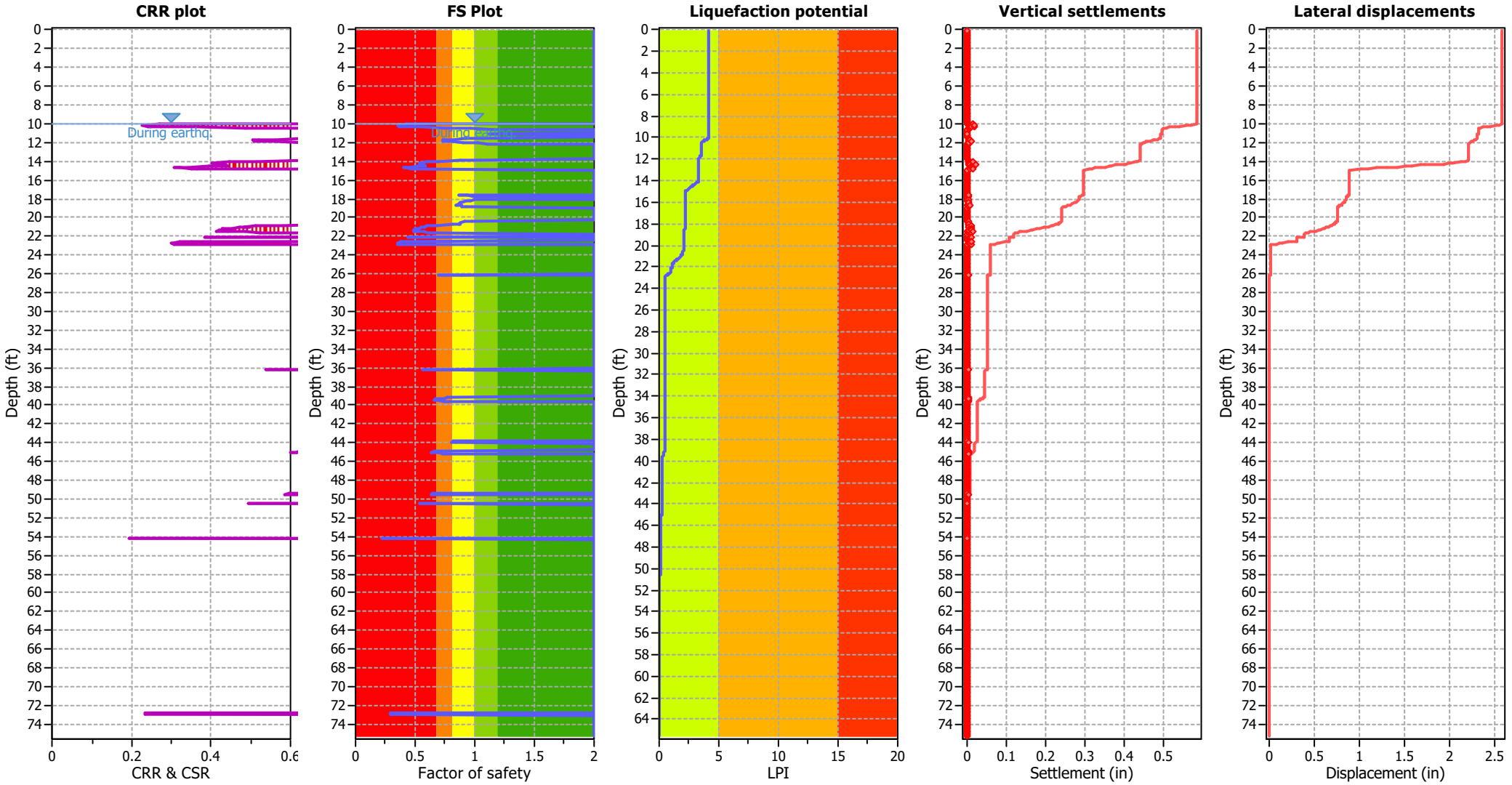
Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	7.30	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.83	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	50.00 ft	Fill height:	N/A	Limit depth:	N/A

SBTn legend

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

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	7.30	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.83	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	50.00 ft	Fill height:	N/A	Limit depth:	N/A

F.S. color scheme

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

LPI color scheme

- Very high risk
- High risk
- Low risk

:: Field input data ::

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
1	0.09	1.37	0.10	0.09	100.00	94.73
2	0.13	2.23	0.11	0.35	79.61	97.18
3	0.21	5.93	0.13	0.70	53.47	99.87
4	0.27	10.22	0.15	0.79	33.65	102.25
5	0.37	18.81	0.16	0.88	24.26	103.67
6	0.41	22.68	0.16	0.96	18.82	104.93
7	0.51	27.14	0.19	0.96	16.82	106.00
8	0.55	29.20	0.21	0.96	15.67	107.13
9	0.60	31.61	0.23	0.96	15.18	108.54
10	0.69	35.39	0.30	0.96	15.25	109.86
11	0.73	35.13	0.34	0.96	16.18	111.25
12	0.79	33.93	0.41	0.96	17.94	112.30
13	0.87	32.55	0.47	0.96	19.66	112.93
14	0.93	31.01	0.47	0.96	21.25	113.08
15	1.01	28.52	0.46	0.88	22.65	112.87
16	1.06	26.71	0.46	0.88	24.58	112.62
17	1.15	23.96	0.46	0.88	26.65	112.58
18	1.20	22.76	0.49	0.88	26.03	113.19
19	1.28	30.84	0.56	0.79	25.86	114.05
20	1.33	28.09	0.62	0.70	26.19	114.93
21	1.38	25.77	0.68	0.70	30.03	115.53
22	1.47	23.19	0.78	0.70	33.48	115.95
23	1.52	21.99	0.81	0.70	36.37	116.16
24	1.60	20.87	0.80	0.70	38.18	116.17
25	1.66	20.01	0.83	0.70	39.76	116.38
26	1.71	20.10	0.90	0.70	41.17	116.76
27	1.79	19.93	0.95	0.79	42.11	117.10
28	1.84	19.76	0.96	0.88	45.50	117.01
29	1.92	14.95	0.95	0.96	46.57	116.92
30	1.99	18.30	0.95	0.79	47.60	116.83
31	2.08	18.21	0.95	0.44	45.43	116.99
32	2.10	18.21	0.95	0.35	45.52	116.99
33	2.17	18.21	0.95	0.18	45.26	116.96
34	2.26	18.47	0.94	-0.09	44.75	116.93
35	2.31	18.81	0.93	-0.17	44.11	116.88
36	2.40	18.98	0.92	-0.26	43.79	116.87
37	2.45	18.90	0.93	-0.35	43.74	116.88
38	2.50	18.90	0.93	-0.53	43.97	116.95
39	2.58	18.90	0.95	-0.35	44.19	117.04
40	2.63	18.90	0.96	-0.61	43.98	117.21
41	2.75	19.76	0.98	-0.35	43.49	117.35
42	2.77	20.10	0.99	0.09	42.51	117.73
43	2.86	21.65	1.07	1.67	41.59	118.18
44	2.90	22.85	1.12	2.46	40.56	118.72
45	2.95	23.96	1.17	2.72	39.58	119.26
46	3.05	25.68	1.26	2.72	38.85	119.72
47	3.09	26.28	1.29	2.72	38.41	120.17
48	3.18	26.97	1.35	1.93	38.04	120.48

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
49	3.23	28.00	1.39	2.02	37.34	120.87
50	3.32	29.81	1.45	2.19	36.46	121.13
51	3.37	30.41	1.45	2.54	35.89	121.24
52	3.41	29.98	1.42	2.63	36.00	121.06
53	3.48	28.60	1.37	2.37	36.40	120.71
54	3.55	27.57	1.29	2.72	37.03	120.21
55	3.64	26.03	1.21	2.89	37.61	119.73
56	3.69	25.08	1.18	2.98	38.27	119.24
57	3.77	23.96	1.10	2.98	38.74	118.85
58	3.83	23.45	1.07	2.98	39.30	118.53
59	3.87	22.68	1.07	2.98	40.50	118.45
60	3.97	21.47	1.11	2.98	41.86	118.50
61	4.01	21.30	1.13	2.98	43.10	118.72
62	4.10	21.52	1.19	2.54	43.67	118.98
63	4.15	21.56	1.23	2.37	43.48	119.39
64	4.23	23.19	1.30	2.19	43.05	119.76
65	4.29	23.71	1.34	2.19	42.68	120.12
66	4.33	23.71	1.38	2.10	41.24	119.81
67	4.41	24.48	1.10	2.10	40.64	119.54
68	4.47	23.71	1.20	2.10	40.63	119.16
69	4.54	22.16	1.22	2.10	42.32	119.32
70	4.60	22.16	1.22	2.10	43.22	119.31
71	4.71	22.16	1.23	1.93	44.05	119.21
72	4.76	20.44	1.21	2.37	44.89	119.13
73	4.81	20.53	1.21	2.19	45.66	119.07
74	4.86	20.79	1.23	2.10	46.48	119.18
75	4.95	19.67	1.28	2.02	46.11	119.41
76	4.99	21.90	1.30	1.93	45.58	119.68
77	5.06	22.59	1.33	1.93	43.42	120.07
78	5.13	24.74	1.39	1.84	42.90	120.34
79	5.23	23.96	1.41	1.40	42.71	120.53
80	5.28	23.79	1.42	1.05	43.45	120.54
81	5.32	23.45	1.42	0.61	43.96	120.44
82	5.41	22.68	1.38	0.18	44.59	120.29
83	5.46	22.16	1.37	-0.17	45.65	120.09
84	5.55	20.96	1.35	-0.79	47.17	119.90
85	5.59	19.67	1.34	-0.88	49.51	119.60
86	5.66	17.87	1.30	-1.05	51.59	119.30
87	5.72	17.35	1.27	-1.05	52.91	119.00
88	5.78	17.18	1.24	-1.01	52.64	118.64
89	5.88	17.09	1.14	-1.07	50.18	118.40
90	5.92	19.50	1.11	-1.07	44.83	118.37
91	5.98	24.22	1.08	-1.14	39.50	118.54
92	6.06	26.54	1.05	-1.05	36.57	118.45
93	6.16	24.91	0.99	-0.88	36.45	118.11
94	6.20	23.02	0.96	-0.88	38.10	117.60
95	6.24	21.22	0.92	-0.96	40.64	117.01
96	6.33	18.30	0.86	-0.96	43.68	116.41

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
97	6.37	16.49	0.84	-0.96	47.03	115.82
98	6.44	15.20	0.81	-0.96	49.04	115.37
99	6.52	14.86	0.77	-0.96	50.18	114.92
100	6.57	14.17	0.73	-0.96	50.93	114.42
101	6.66	13.31	0.69	-0.96	52.08	114.05
102	6.71	12.97	0.69	-0.96	53.02	113.83
103	6.80	12.88	0.69	-1.05	53.15	113.75
104	6.84	13.06	0.68	-1.05	51.70	113.96
105	6.93	14.69	0.72	-1.05	50.10	114.32
106	6.98	15.20	0.75	-1.05	47.81	114.93
107	7.03	16.92	0.80	-0.96	43.90	115.86
108	7.14	21.99	0.90	-0.96	40.35	116.69
109	7.17	23.11	0.93	-0.96	37.24	117.57
110	7.26	25.68	1.00	-0.96	35.88	118.12
111	7.30	27.06	1.06	-0.96	34.92	118.73
112	7.35	28.00	1.12	-0.96	33.50	119.24
113	7.44	31.52	1.15	-0.88	30.93	119.70
114	7.49	36.51	1.15	-0.79	25.89	120.17
115	7.58	48.19	1.13	-0.79	22.03	120.43
116	7.63	50.85	1.10	-0.70	18.66	120.66
117	7.71	58.06	1.10	-0.79	17.18	120.80
118	7.76	59.87	1.11	-0.79	16.05	121.02
119	7.85	61.84	1.12	-0.79	15.99	121.38
120	7.90	62.44	1.24	-0.79	16.38	121.93
121	7.95	62.53	1.36	-0.79	17.24	122.60
122	8.03	62.19	1.48	-0.79	17.97	123.07
123	8.09	61.84	1.51	-0.79	18.74	123.34
124	8.18	59.52	1.55	-0.70	18.86	123.40
125	8.22	62.10	1.52	-0.70	18.79	123.25
126	8.31	60.90	1.42	-0.70	18.12	122.95
127	8.41	62.36	1.35	-0.70	17.34	122.52
128	8.50	64.68	1.26	-0.70	16.40	122.14
129	8.55	65.62	1.19	-0.66	15.75	121.77
130	8.60	64.51	1.15	-0.66	15.12	121.52
131	8.70	68.46	1.12	-0.66	14.66	121.39
132	8.74	69.32	1.10	-0.61	13.77	121.36
133	8.87	74.13	1.08	-0.61	13.23	121.37
134	8.88	75.59	1.08	-0.61	12.67	121.41
135	8.93	76.79	1.08	-0.61	12.44	121.47
136	9.02	78.16	1.09	-0.61	12.33	121.56
137	9.07	79.02	1.11	-0.61	12.35	121.73
138	9.16	79.11	1.15	-0.61	12.51	121.89
139	9.20	78.94	1.16	-0.61	12.71	122.02
140	9.29	78.42	1.17	-0.61	12.93	122.05
141	9.34	77.30	1.18	-0.61	13.14	122.06
142	9.39	76.70	1.17	-0.61	13.29	122.05
143	9.48	76.70	1.18	-0.61	13.40	122.05
144	9.53	76.70	1.18	-0.61	13.37	122.12

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
145	9.66	78.34	1.20	-0.61	13.38	122.22
146	9.71	78.76	1.21	-0.61	13.34	122.34
147	9.76	79.19	1.23	-0.61	13.36	122.42
148	9.80	79.62	1.24	-0.61	13.35	122.49
149	9.85	80.05	1.24	-0.61	13.27	122.47
150	9.94	80.23	1.21	-0.61	13.31	122.40
151	9.99	78.85	1.21	-0.61	12.45	121.21
152	10.08	75.33	0.71	-0.61	11.60	119.76
153	10.12	73.27	0.68	-0.61	10.91	118.06
154	10.22	67.94	0.70	-0.61	12.11	118.52
155	10.27	66.14	0.88	-0.61	14.31	120.06
156	10.36	66.40	1.24	-0.61	19.44	121.53
157	10.39	39.25	1.51	-0.17	19.93	123.60
158	10.45	84.43	1.90	0.18	19.98	125.63
159	10.54	90.88	2.48	0.18	17.53	127.58
160	10.58	94.48	2.75	0.26	18.39	128.75
161	10.63	94.40	3.03	0.26	19.66	129.83
162	10.72	95.43	3.74	0.26	21.33	130.82
163	10.78	94.14	4.15	0.61	23.37	131.91
164	10.86	92.51	4.81	0.88	25.01	132.71
165	10.91	93.80	5.23	1.40	23.18	131.95
166	11.00	99.47	2.68	2.46	19.88	130.68
167	11.04	107.11	2.60	2.72	15.51	128.84
168	11.11	118.10	2.69	2.46	14.29	129.08
169	11.18	125.23	2.73	2.46	13.37	129.39
170	11.23	132.02	2.76	2.54	12.71	129.59
171	11.32	136.57	2.78	2.54	12.67	129.63
172	11.35	127.98	2.76	4.38	12.72	129.46
173	11.43	127.04	2.62	2.89	12.85	128.85
174	11.52	119.99	2.23	2.19	12.55	128.05
175	11.56	116.04	2.04	2.10	12.36	127.04
176	11.66	109.17	1.83	1.84	12.44	126.43
177	11.70	106.77	1.82	1.84	12.88	126.11
178	11.76	102.39	1.87	1.75	13.80	126.33
179	11.84	98.78	2.06	1.67	15.14	126.80
180	11.89	95.86	2.28	1.58	17.04	127.68
181	11.97	92.42	2.74	1.58	18.98	128.38
182	12.03	87.61	2.88	1.58	20.89	128.88
183	12.12	83.58	2.97	1.58	22.42	129.06
184	12.17	80.40	3.09	1.58	23.54	129.25
185	12.21	80.35	3.19	1.58	24.29	129.46
186	12.31	80.31	3.28	2.02	24.29	129.65
187	12.35	84.00	3.30	2.10	22.17	129.93
188	12.43	105.56	3.25	3.51	19.63	130.19
189	12.47	114.58	3.24	3.33	16.23	130.61
190	12.58	142.41	3.28	3.16	14.25	130.93
191	12.61	150.74	3.30	3.16	12.55	131.36
192	12.71	164.66	3.44	3.16	11.67	131.72

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
193	12.75	176.86	3.53	3.07	11.01	132.23
194	12.84	186.82	3.78	3.16	10.71	132.66
195	12.88	190.43	3.92	3.07	10.66	133.13
196	12.93	195.75	4.13	3.16	10.83	133.54
197	13.02	197.64	4.39	3.07	11.09	133.90
198	13.07	196.44	4.50	3.07	11.48	134.09
199	13.16	191.20	4.53	3.07	12.10	134.01
200	13.25	175.83	4.41	2.98	12.84	133.83
201	13.28	169.04	4.38	2.89	13.84	133.49
202	13.35	153.41	4.24	2.81	15.03	133.17
203	13.41	138.63	4.18	2.72	16.74	132.73
204	13.48	122.23	4.08	2.54	19.44	132.15
205	13.58	94.83	3.89	2.37	22.32	131.48
206	13.62	87.44	3.70	2.37	25.02	130.74
207	13.67	81.08	3.49	2.28	26.75	130.07
208	13.72	69.32	3.25	2.28	28.75	129.14
209	13.80	59.78	2.85	2.28	30.82	128.15
210	13.86	56.26	2.63	2.28	31.43	127.04
211	13.94	54.20	2.25	2.37	31.03	126.14
212	13.99	53.08	2.05	2.46	30.05	125.06
213	14.09	51.02	1.74	2.54	29.51	124.30
214	14.13	50.25	1.70	2.54	29.22	123.71
215	14.17	49.39	1.67	2.46	29.77	123.53
216	14.31	46.98	1.66	2.46	30.57	123.42
217	14.35	46.13	1.67	2.46	31.59	123.36
218	14.41	44.58	1.68	2.46	32.33	123.32
219	14.45	43.81	1.67	2.46	33.14	123.20
220	14.51	42.09	1.64	2.46	32.79	122.51
221	14.59	41.06	1.28	2.63	32.28	121.70
222	14.67	40.20	1.23	3.42	31.90	121.08
223	14.73	39.43	1.32	3.77	32.74	121.17
224	14.78	38.82	1.35	3.86	34.06	121.35
225	14.87	36.93	1.36	3.77	35.06	121.36
226	14.91	36.42	1.37	3.95	35.64	121.36
227	14.96	37.11	1.37	4.91	35.49	121.45
228	15.03	38.05	1.40	4.21	35.49	121.54
229	15.10	37.19	1.41	4.12	36.05	121.50
230	15.20	35.30	1.37	4.12	36.91	121.24
231	15.29	34.10	1.30	4.12	37.14	120.97
232	15.31	35.17	1.29	4.12	36.97	120.77
233	15.38	34.62	1.27	5.09	36.59	120.71
234	15.42	35.04	1.26	5.17	36.72	120.57
235	15.52	34.10	1.23	5.17	36.91	120.45
236	15.56	33.58	1.22	4.91	38.00	120.23
237	15.65	30.92	1.20	3.95	39.12	120.06
238	15.70	30.49	1.19	4.96	40.10	119.82
239	15.79	30.06	1.15	4.03	40.13	119.60
240	15.84	29.98	1.11	5.00	40.01	119.36

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
241	15.88	29.63	1.09	6.14	39.53	119.08
242	15.97	29.93	1.02	6.23	39.25	118.80
243	16.02	29.46	0.99	6.23	38.53	118.48
244	16.11	29.89	0.95	6.23	38.04	118.28
245	16.16	30.32	0.94	6.23	37.76	118.16
246	16.25	29.72	0.95	6.23	38.31	118.15
247	16.30	28.69	0.96	6.05	39.23	118.17
248	16.35	28.35	0.97	5.96	39.92	118.20
249	16.43	28.39	0.97	5.79	40.20	118.23
250	16.48	28.39	0.97	5.70	40.21	118.23
251	16.55	28.43	0.97	5.70	40.03	118.27
252	16.62	29.12	0.98	5.61	39.86	118.42
253	16.71	29.63	1.02	5.53	39.85	118.63
254	16.76	29.63	1.04	5.53	39.92	118.86
255	16.82	30.15	1.07	5.17	39.54	118.99
256	16.90	31.27	1.05	4.56	38.64	119.04
257	16.94	32.30	1.04	4.38	36.37	119.59
258	17.04	39.25	1.21	4.30	33.32	120.75
259	17.09	48.19	1.43	4.30	29.99	122.56
260	17.18	59.18	1.76	4.30	27.97	124.17
261	17.22	64.33	2.01	4.30	25.87	125.66
262	17.27	77.39	2.28	3.95	23.60	127.12
263	17.36	95.60	2.69	3.77	21.28	128.45
264	17.40	107.80	2.96	3.77	19.53	129.71
265	17.50	121.54	3.31	3.77	18.50	130.50
266	17.54	127.04	3.42	3.86	17.49	131.19
267	17.63	139.92	3.61	4.12	16.89	131.61
268	17.68	143.01	3.73	4.21	16.27	132.07
269	17.77	151.17	3.90	4.21	16.03	132.36
270	17.82	153.41	3.95	4.21	15.68	132.58
271	17.86	156.76	3.96	4.12	15.42	132.62
272	17.96	158.30	3.91	4.12	15.16	132.61
273	18.00	159.51	3.88	4.12	14.98	132.57
274	18.05	159.68	3.86	4.03	14.93	132.48
275	18.14	157.19	3.79	4.03	15.00	132.38
276	18.19	155.64	3.75	4.03	15.17	132.24
277	18.25	152.29	3.71	4.03	15.40	132.12
278	18.32	149.20	3.67	4.03	15.67	132.00
279	18.41	146.88	3.64	4.03	15.81	131.96
280	18.46	148.98	3.67	4.03	15.97	131.95
281	18.51	145.93	3.68	4.03	15.79	131.87
282	18.64	148.77	3.51	4.03	15.67	131.79
283	18.66	150.14	3.54	4.03	15.31	131.82
284	18.74	154.01	3.65	4.12	15.14	132.02
285	18.80	158.65	3.73	4.12	15.49	132.16
286	18.84	147.22	3.78	4.12	15.33	132.38
287	18.91	163.97	3.90	4.38	15.09	132.63
288	18.97	172.22	4.03	4.38	14.07	133.13

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
289	19.06	187.68	4.27	4.38	13.55	133.58
290	19.10	193.78	4.44	4.38	12.98	134.23
291	19.20	213.02	4.89	4.38	12.63	134.76
292	19.24	220.06	5.04	4.47	12.20	135.34
293	19.30	232.86	5.31	4.47	11.97	135.79
294	19.38	241.88	5.63	4.56	11.77	136.22
295	19.43	248.58	5.78	4.65	11.53	136.69
296	19.53	265.67	6.15	4.82	11.31	137.03
297	19.56	269.11	6.25	4.82	11.04	137.28
298	19.64	278.73	6.39	5.00	10.85	137.28
299	19.71	286.97	6.54	5.09	10.68	137.28
300	19.75	288.17	6.59	5.09	10.60	137.28
301	19.84	289.81	6.63	5.09	10.70	137.28
302	19.89	282.25	6.54	5.09	10.86	137.28
303	19.99	270.65	6.23	5.00	11.13	137.28
304	20.02	259.92	6.01	5.00	11.49	136.74
305	20.12	234.83	5.38	4.91	11.98	135.98
306	20.17	215.59	4.90	4.82	12.52	135.11
307	20.22	202.37	4.59	4.65	13.12	134.26
308	20.31	181.84	4.13	4.47	13.71	133.59
309	20.34	174.79	4.00	4.38	14.38	133.03
310	20.43	166.12	3.92	4.30	14.91	132.86
311	20.50	163.97	3.98	4.30	15.32	132.74
312	20.54	162.08	3.92	4.30	15.65	132.80
313	20.63	160.97	4.07	4.30	15.96	132.87
314	20.68	159.85	4.12	4.30	16.32	133.03
315	20.77	159.68	4.21	4.38	15.63	132.49
316	20.81	159.85	3.19	4.38	13.17	130.61
317	20.91	160.36	1.50	4.38	10.71	128.43
318	20.95	159.85	1.91	4.38	9.72	127.45
319	21.00	159.93	2.36	4.38	10.58	128.21
320	21.08	157.96	2.14	4.47	10.43	127.75
321	21.14	151.69	1.56	4.47	8.87	126.52
322	21.23	170.67	1.39	3.33	8.08	125.78
323	21.27	162.34	1.64	3.33	9.06	126.66
324	21.37	146.19	2.16	3.33	12.37	128.22
325	21.48	127.90	2.83	3.33	15.81	129.46
326	21.51	124.89	3.10	3.33	18.24	130.19
327	21.52	122.91	3.19	3.33	19.54	130.76
328	21.62	121.28	3.62	3.42	20.46	131.14
329	21.66	120.60	3.67	3.51	21.68	131.48
330	21.80	114.15	3.79	3.42	22.58	131.53
331	21.83	111.32	3.79	2.98	23.97	131.47
332	21.89	103.07	3.79	2.37	25.47	131.28
333	21.95	94.31	3.73	2.19	27.12	130.99
334	21.98	90.02	3.61	2.10	27.77	129.76
335	22.07	77.13	2.37	2.10	27.07	127.50
336	22.12	67.00	1.41	2.02	27.14	125.07

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
337	22.21	59.35	1.78	2.02	28.96	124.22
338	22.25	57.03	1.93	2.02	34.88	125.02
339	22.33	44.92	2.25	2.81	32.21	126.17
340	22.41	84.09	2.48	2.02	29.42	127.18
341	22.46	85.46	2.56	1.84	25.28	127.93
342	22.55	86.75	2.57	1.75	24.24	127.89
343	22.64	93.02	2.35	1.58	22.83	127.69
344	22.68	96.12	2.26	1.58	21.30	127.56
345	22.73	100.75	2.34	1.40	20.49	127.64
346	22.82	103.67	2.34	1.40	20.03	127.85
347	22.87	105.48	2.38	1.31	19.96	128.05
348	22.91	105.48	2.50	1.23	20.54	128.37
349	22.98	102.73	2.67	0.96	21.99	128.64
350	23.05	93.88	2.76	0.79	24.58	128.64
351	23.11	79.37	2.75	0.88	28.19	127.97
352	23.20	62.62	2.35	0.88	31.91	126.85
353	23.23	55.83	2.05	0.88	36.74	125.55
354	23.33	42.26	2.01	0.96	41.15	124.71
355	23.37	39.08	1.97	1.14	46.42	123.91
356	23.47	34.53	1.74	2.37	47.83	123.28
357	23.51	34.96	1.66	2.89	48.14	122.62
358	23.58	34.44	1.58	15.61	47.52	122.34
359	23.62	34.27	1.55	16.40	47.80	122.02
360	23.72	32.30	1.48	23.06	48.51	121.71
361	23.77	31.18	1.44	30.17	48.81	121.27
362	23.87	31.18	1.33	33.24	48.53	120.93
363	23.91	31.18	1.30	33.50	47.81	120.62
364	24.00	31.18	1.27	32.45	47.53	120.47
365	24.05	31.14	1.25	32.27	47.30	120.34
366	24.09	31.14	1.24	31.83	47.33	120.32
367	24.18	31.09	1.26	30.69	47.41	120.37
368	24.23	31.44	1.28	29.73	47.58	120.48
369	24.28	31.44	1.29	28.94	47.87	120.70
370	24.39	31.69	1.36	28.32	48.15	120.91
371	24.42	32.12	1.38	28.06	47.84	121.23
372	24.50	33.84	1.44	28.68	46.67	121.50
373	24.55	35.90	1.46	30.17	44.82	121.86
374	24.64	38.65	1.50	32.71	42.48	122.22
375	24.69	42.35	1.54	34.55	40.40	122.70
376	24.77	45.35	1.65	35.69	38.94	123.19
377	24.82	47.07	1.72	38.41	38.41	123.64
378	24.87	47.76	1.79	39.20	38.69	123.97
379	24.96	46.98	1.86	37.71	39.54	124.17
380	25.03	45.78	1.89	37.71	40.76	124.28
381	25.11	44.49	1.91	37.71	41.66	124.28
382	25.15	44.15	1.91	37.71	41.19	123.90
383	25.24	44.54	1.61	39.90	39.94	123.33
384	25.32	44.58	1.51	40.87	38.56	122.76

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
385	25.33	44.84	1.52	40.16	38.23	122.60
386	25.42	44.49	1.51	40.16	38.72	122.86
387	25.47	45.01	1.67	42.27	43.00	125.07
388	25.56	47.07	3.14	46.13	48.61	128.02
389	25.62	50.08	4.52	56.74	43.68	131.64
390	25.68	100.07	6.07	79.89	30.32	135.43
391	25.77	205.89	8.36	112.07	22.07	137.28
392	25.81	258.71	9.67	47.62	19.23	137.28
393	25.86	250.81	10.84	30.25	20.53	137.28
394	25.93	218.94	12.31	26.66	22.19	137.28
395	26.00	202.37	9.25	28.50	20.71	137.28
396	26.07	187.16	2.87	35.08	16.16	134.91
397	26.14	187.08	2.95	52.62	11.29	131.45
398	26.21	212.50	3.51	106.28	10.35	132.76
399	26.27	267.47	4.22	166.09	9.34	134.22
400	26.32	293.41	4.67	140.22	9.68	135.47
401	26.40	259.31	5.54	219.23	10.87	136.39
402	26.46	264.21	6.19	42.71	13.10	137.28
403	26.54	255.02	7.33	32.27	14.91	137.28
404	26.61	230.54	7.62	24.29	16.68	137.28
405	26.64	221.78	7.47	23.41	18.27	137.28
406	26.72	196.96	7.03	22.36	19.05	137.28
407	26.78	187.42	6.39	22.54	19.25	136.91
408	26.87	197.30	6.31	31.13	19.10	136.60
409	26.91	189.31	6.31	40.95	18.67	136.62
410	27.01	197.64	6.33	66.47	18.47	136.65
411	27.05	203.23	6.32	74.28	16.97	136.75
412	27.13	231.06	6.12	29.82	15.37	136.64
413	27.19	239.39	5.67	26.40	13.68	136.42
414	27.23	248.92	5.42	23.94	12.53	136.16
415	27.30	260.00	5.29	21.48	11.68	135.75
416	27.37	252.87	4.69	18.33	11.58	135.16
417	27.46	225.13	4.38	15.08	12.51	134.39
418	27.51	193.52	4.27	14.47	15.34	133.72
419	27.57	145.42	4.25	13.94	19.82	132.99
420	27.66	109.69	4.08	12.80	25.75	132.16
421	27.70	90.96	3.93	10.87	30.86	131.02
422	27.79	75.59	3.31	9.82	34.72	129.86
423	27.84	65.19	3.01	9.47	38.24	128.36
424	27.93	53.00	2.54	10.44	41.66	127.22
425	27.97	48.79	2.40	10.35	44.01	126.05
426	28.06	46.21	2.11	10.87	45.26	125.20
427	28.11	42.35	1.93	12.01	45.30	124.34
428	28.16	42.39	1.78	12.37	45.05	123.69
429	28.25	42.43	1.67	14.29	44.60	123.25
430	28.30	40.71	1.63	15.52	44.90	122.80
431	28.39	38.57	1.52	18.33	45.35	122.44
432	28.43	39.00	1.49	18.68	45.46	122.08

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
433	28.49	38.22	1.44	18.68	45.55	121.98
434	28.57	37.79	1.47	18.68	45.75	121.86
435	28.61	37.88	1.43	18.50	45.89	122.22
436	28.71	40.11	1.63	20.87	45.60	122.68
437	28.75	41.57	1.71	20.87	44.48	123.45
438	28.85	46.21	1.85	20.87	43.57	124.05
439	28.91	47.33	1.97	21.57	43.33	124.58
440	28.95	46.47	2.06	21.13	44.43	124.94
441	29.01	45.44	2.15	22.27	45.92	125.21
442	29.10	44.75	2.24	22.98	47.29	125.33
443	29.15	43.46	2.22	22.80	47.79	125.32
444	29.24	43.98	2.16	22.63	48.35	125.15
445	29.29	42.09	2.13	23.06	48.54	124.95
446	29.38	41.57	2.08	24.82	48.97	124.79
447	29.43	41.74	2.06	27.62	48.72	124.65
448	29.47	41.83	2.02	29.73	48.07	124.54
449	29.54	42.52	1.96	32.53	46.72	124.53
450	29.65	45.52	1.99	33.76	45.43	124.60
451	29.69	46.30	2.01	33.94	44.40	124.83
452	29.75	47.50	2.08	33.15	44.29	125.05
453	29.79	47.76	2.15	32.62	44.63	125.39
454	29.89	47.93	2.28	32.53	45.13	125.67
455	29.93	48.36	2.33	32.53	45.29	125.95
456	30.02	49.56	2.38	32.45	45.14	126.11
457	30.07	49.90	2.40	32.88	44.92	126.20
458	30.16	49.90	2.39	32.88	44.87	126.19
459	30.21	49.90	2.37	32.71	44.83	126.14
460	30.26	49.65	2.35	33.24	44.90	126.04
461	30.38	48.96	2.31	32.97	45.27	125.94
462	30.39	48.10	2.31	32.97	46.27	125.82
463	30.53	45.44	2.30	32.80	47.26	125.73
464	30.58	45.44	2.28	32.18	47.95	125.64
465	30.62	45.44	2.27	31.66	47.86	125.59
466	30.66	45.44	2.26	31.75	47.67	125.53
467	30.72	45.61	2.22	32.45	47.32	125.34
468	30.78	45.14	2.10	32.53	46.68	124.99
469	30.87	44.84	1.96	31.04	46.52	124.60
470	30.92	43.38	1.92	33.76	46.54	124.33
471	30.99	43.20	1.92	36.48	46.82	124.22
472	31.05	43.20	1.89	37.53	46.64	124.11
473	31.11	43.20	1.84	36.39	46.59	123.95
474	31.19	42.43	1.81	32.71	47.04	123.81
475	31.28	41.14	1.81	32.27	48.16	123.71
476	31.33	39.68	1.82	33.85	49.34	123.63
477	31.38	38.91	1.80	34.99	50.63	123.42
478	31.47	36.59	1.72	37.45	51.25	123.14
479	31.52	36.59	1.67	38.23	51.40	122.81
480	31.57	36.59	1.60	39.02	50.71	122.53

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
481	31.65	36.59	1.53	38.94	50.20	122.30
482	31.69	36.59	1.52	38.94	49.91	122.18
483	31.79	36.59	1.52	37.88	49.95	122.16
484	31.84	36.59	1.52	36.83	50.32	122.19
485	31.93	35.99	1.55	36.13	50.99	122.27
486	31.98	35.73	1.59	36.13	51.61	122.36
487	32.02	35.82	1.59	35.95	51.93	122.40
488	32.11	35.56	1.58	35.16	52.23	122.36
489	32.16	34.96	1.57	34.73	52.05	122.32
490	32.26	36.08	1.56	35.52	51.80	122.29
491	32.32	36.08	1.55	36.39	51.42	122.25
492	32.36	35.65	1.54	36.66	51.65	122.11
493	32.44	34.79	1.49	37.71	52.05	121.85
494	32.49	33.84	1.42	38.85	52.01	121.34
495	32.58	33.07	1.28	39.55	51.82	120.79
496	32.63	32.38	1.21	40.16	50.95	120.27
497	32.68	33.03	1.16	40.34	50.44	119.95
498	32.74	32.55	1.12	41.04	49.76	119.77
499	32.81	32.98	1.12	41.83	49.87	119.68
500	32.91	32.38	1.12	41.74	49.84	119.73
501	32.95	32.98	1.14	41.92	50.55	119.84
502	33.02	32.12	1.19	42.44	50.73	120.02
503	33.09	32.98	1.21	44.02	50.76	120.21
504	33.14	33.93	1.22	44.72	49.99	120.30
505	33.23	34.27	1.21	44.02	49.56	120.35
506	33.27	34.27	1.21	43.06	49.81	120.47
507	33.37	34.10	1.28	42.62	50.45	120.69
508	33.41	34.19	1.32	42.62	51.40	121.03
509	33.50	34.10	1.40	42.62	52.13	121.29
510	33.55	34.10	1.43	42.62	52.73	121.53
511	33.60	34.27	1.46	42.71	53.03	121.70
512	33.69	34.44	1.49	43.23	53.11	121.84
513	33.74	34.79	1.50	43.32	52.75	121.94
514	33.82	35.65	1.50	42.79	51.71	121.91
515	33.88	36.59	1.44	44.90	49.78	122.29
516	33.96	41.49	1.65	45.78	47.60	123.15
517	34.01	46.73	1.91	43.23	46.47	124.36
518	34.06	48.44	2.17	42.01	46.16	125.59
519	34.14	52.05	2.53	40.25	46.35	126.54
520	34.20	54.20	2.71	36.92	49.38	127.33
521	34.26	45.44	3.08	36.92	49.73	128.19
522	34.34	58.58	3.44	35.34	50.49	129.05
523	34.40	59.52	3.74	42.35	47.45	130.03
524	34.47	66.40	4.09	51.30	44.19	130.69
525	34.58	80.23	4.07	50.42	39.42	131.25
526	34.60	91.82	4.07	57.53	31.62	131.86
527	34.67	131.33	4.14	70.86	25.67	132.48
528	34.71	153.58	4.23	66.47	18.85	133.41

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
529	34.81	222.04	4.42	45.60	15.10	134.08
530	34.86	242.14	4.49	40.16	12.27	134.68
531	34.91	267.39	4.57	33.94	11.27	135.08
532	34.99	279.50	4.83	31.22	10.85	135.73
533	35.09	293.50	5.47	28.85	10.76	136.26
534	35.13	300.80	5.49	27.97	10.61	136.62
535	35.17	307.16	5.46	27.71	10.06	136.81
536	35.32	332.15	5.66	26.48	8.17	135.90
537	35.41	350.96	3.30	33.94	6.07	134.57
538	35.46	360.84	2.85	32.88	4.81	132.90
539	35.51	323.13	3.27	33.24	4.68	133.49
540	35.59	400.09	3.93	19.12	5.01	134.73
541	35.65	415.90	4.51	15.52	5.14	135.78
542	35.70	390.22	4.84	18.24	5.52	136.44
543	35.79	416.24	5.11	24.55	5.87	136.83
544	35.84	416.59	5.31	17.36	6.04	137.28
545	35.94	422.51	5.96	15.79	6.41	137.28
546	35.96	419.85	6.07	15.17	6.82	137.28
547	36.03	392.62	5.73	13.86	7.23	137.25
548	36.12	337.22	4.70	12.01	10.46	135.67
549	36.17	132.88	4.20	10.09	11.26	134.22
550	36.23	286.46	3.62	10.26	12.10	132.89
551	36.32	250.47	3.06	9.03	8.90	132.29
552	36.37	230.02	2.90	8.68	9.85	131.41
553	36.42	210.18	2.84	8.16	11.22	130.99
554	36.50	187.16	2.84	7.89	12.94	130.83
555	36.56	174.02	2.98	8.07	14.46	130.33
556	36.65	156.41	2.53	7.98	15.56	129.47
557	36.69	139.58	2.16	7.89	17.28	128.34
558	36.78	114.93	2.18	7.54	20.74	127.92
559	36.83	97.49	2.50	7.45	25.82	128.28
560	36.92	90.02	2.87	7.28	30.05	128.71
561	36.97	85.46	2.92	7.32	32.98	128.87
562	37.02	78.42	2.89	7.37	36.36	128.58
563	37.07	64.76	2.83	9.65	40.64	127.97
564	37.16	55.83	2.61	12.98	45.00	127.23
565	37.21	52.40	2.45	14.29	46.96	126.21
566	37.30	48.53	2.03	17.36	46.90	125.33
567	37.35	48.79	1.89	18.50	45.65	124.53
568	37.44	50.16	1.82	19.38	44.52	124.32
569	37.47	50.68	1.84	19.82	43.33	124.55
570	37.57	54.71	1.99	22.01	42.38	124.99
571	37.63	57.46	2.08	23.77	41.43	125.47
572	37.67	58.67	2.14	24.47	40.84	125.90
573	37.75	61.16	2.29	26.40	40.19	126.39
574	37.80	65.19	2.43	27.27	39.81	127.09
575	37.89	67.77	2.71	27.36	39.70	127.91
576	37.94	70.78	3.03	27.71	40.45	129.10

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
577	38.03	75.50	3.73	30.96	39.87	130.41
578	38.08	87.70	4.23	31.13	38.81	131.69
579	38.13	95.26	4.70	31.39	36.15	132.90
580	38.19	113.90	5.35	31.66	32.84	134.05
581	38.26	137.95	5.80	31.13	29.14	135.13
582	38.32	160.11	6.21	25.34	26.14	136.03
583	38.40	179.26	6.69	19.91	24.41	136.68
584	38.46	186.56	6.89	20.17	22.25	137.15
585	38.54	217.23	6.82	16.66	20.68	137.28
586	38.59	220.32	6.74	16.05	19.52	137.28
587	38.68	215.77	6.68	15.52	19.73	137.28
588	38.73	209.24	6.68	15.17	20.68	137.23
589	38.83	196.18	6.83	15.26	21.88	137.19
590	38.87	188.28	6.85	15.13	23.19	137.13
591	38.92	181.58	6.86	15.08	24.48	136.99
592	39.01	167.49	6.77	17.89	25.76	136.79
593	39.05	160.79	6.68	21.57	26.52	136.57
594	39.15	162.68	6.50	21.57	26.60	136.41
595	39.17	162.00	6.42	21.22	26.50	136.17
596	39.26	155.30	6.11	16.40	26.95	135.83
597	39.33	146.45	5.83	14.56	27.43	135.38
598	39.37	143.19	5.58	13.94	28.26	134.82
599	39.44	129.87	5.13	14.51	29.54	134.44
600	39.52	122.14	5.31	13.15	31.26	134.15
601	39.58	118.02	5.30	14.47	32.86	134.24
602	39.65	116.13	5.54	16.40	33.07	134.53
603	39.75	126.44	5.89	17.89	30.54	134.17
604	39.79	136.06	4.23	19.99	26.03	133.01
605	39.84	141.73	2.96	21.48	22.42	131.58
606	39.90	140.95	3.45	16.31	23.03	131.28
607	39.98	120.68	3.93	14.38	27.55	131.80
608	40.05	98.69	4.14	12.98	34.53	131.84
609	40.11	77.65	4.27	12.72	40.68	131.59
610	40.17	75.24	4.20	7.45	45.38	131.20
611	40.22	68.54	4.02	9.91	48.73	130.56
612	40.31	55.06	3.64	14.64	52.91	129.56
613	40.38	49.22	3.18	16.40	59.26	128.43
614	40.42	44.41	2.94	19.91	61.47	127.24
615	40.49	39.77	2.47	26.31	63.77	125.86
616	40.63	34.27	1.98	37.62	65.06	124.50
617	40.68	33.50	1.87	39.55	65.99	123.55
618	40.69	32.73	1.83	41.04	66.40	123.09
619	40.80	31.09	1.69	42.35	67.13	122.75
620	40.82	30.66	1.68	42.79	67.55	122.37
621	40.91	30.23	1.61	43.76	67.62	122.20
622	40.96	30.23	1.58	44.20	67.09	121.95
623	41.05	30.41	1.52	46.83	65.84	121.62
624	41.09	30.84	1.39	47.62	63.57	121.08

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
625	41.15	31.69	1.24	49.11	61.64	120.88
626	41.23	32.98	1.37	50.34	60.20	121.00
627	41.28	34.19	1.41	52.79	59.88	121.56
628	41.42	35.13	1.52	56.39	58.78	122.15
629	41.49	38.39	1.65	66.03	57.14	122.89
630	41.58	42.00	1.78	69.28	55.21	123.59
631	41.63	44.24	1.88	72.08	51.35	124.18
632	41.67	46.38	1.97	73.05	50.00	125.12
633	41.77	52.74	2.39	72.70	49.47	126.14
634	41.81	54.11	2.66	74.10	49.30	127.26
635	41.87	56.60	2.96	75.42	49.79	127.98
636	41.95	57.81	3.14	74.10	49.60	128.54
637	42.04	60.21	3.24	74.10	49.97	129.21
638	42.09	62.10	3.76	76.03	49.93	129.92
639	42.15	65.37	4.02	74.98	50.38	130.59
640	42.23	65.97	4.18	69.45	50.26	130.84
641	42.27	65.62	4.10	66.56	49.53	130.67
642	42.39	67.08	3.72	37.62	48.94	130.31
643	42.41	64.94	3.63	39.81	48.61	129.82
644	42.45	61.93	3.44	46.74	49.55	129.48
645	42.55	59.52	3.35	54.90	50.89	129.20
646	42.60	57.03	3.38	61.56	52.49	129.23
647	42.69	56.43	3.57	63.14	55.85	129.43
648	42.73	57.29	3.69	66.73	52.05	130.01
649	42.82	68.29	4.01	88.22	48.45	130.62
650	42.85	76.96	4.12	96.11	42.55	131.62
651	42.91	98.69	4.60	86.73	37.34	132.67
652	42.98	119.05	5.11	40.25	33.07	133.88
653	43.06	137.09	5.66	29.11	29.89	134.95
654	43.13	157.96	6.13	28.41	26.18	136.05
655	43.23	200.05	6.74	26.57	23.13	136.86
656	43.25	216.45	6.81	24.99	19.38	136.91
657	43.31	241.36	5.40	23.85	14.79	135.66
658	43.38	275.12	3.21	21.84	11.06	134.62
659	43.46	303.38	4.28	19.12	9.30	134.55
660	43.51	318.41	4.90	18.42	10.02	136.21
661	43.60	332.75	6.03	17.10	10.86	137.28
662	43.64	326.40	6.57	15.87	11.79	137.28
663	43.70	330.09	7.19	23.15	10.12	136.92
664	43.78	336.53	2.79	21.13	8.06	135.24
665	43.84	338.94	3.11	17.45	5.61	132.80
666	43.93	342.63	3.43	15.52	5.99	133.32
667	43.97	341.34	3.47	14.38	6.45	133.77
668	44.07	335.07	3.76	13.59	6.88	134.32
669	44.12	348.73	4.25	12.98	7.98	135.29
670	44.21	331.81	5.13	14.82	9.04	136.11
671	44.25	324.25	5.37	15.00	10.24	136.67
672	44.30	318.24	5.58	14.38	11.01	136.95

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
673	44.38	310.85	5.88	13.94	11.49	137.10
674	44.44	310.51	5.81	13.51	11.68	137.12
675	44.50	311.37	5.68	12.89	11.46	136.98
676	44.58	313.26	5.54	12.89	11.25	136.85
677	44.62	313.43	5.49	12.89	11.05	136.71
678	44.72	312.48	5.36	12.98	10.92	136.61
679	44.76	313.69	5.30	12.89	9.50	135.40
680	44.85	314.46	3.03	12.63	7.11	133.07
681	44.90	313.69	1.62	12.54	4.91	130.43
682	44.98	313.94	2.29	12.19	5.02	130.53
683	45.04	312.14	3.13	12.19	6.34	132.17
684	45.08	314.20	3.38	12.28	6.65	132.68
685	45.17	323.05	2.89	12.19	6.44	133.08
686	45.23	348.90	3.55	13.33	6.43	133.68
687	45.28	350.41	4.09	13.33	7.22	135.18
688	45.37	363.85	5.12	13.59	8.22	136.20
689	45.41	351.91	5.44	12.54	9.53	136.88
690	45.51	316.95	5.69	11.66	10.94	136.95
691	45.55	294.87	5.66	10.79	12.70	136.73
692	45.64	260.43	5.48	9.82	14.27	136.37
693	45.67	239.64	5.39	8.95	16.64	135.81
694	45.74	195.15	5.14	7.89	19.95	135.04
695	45.80	150.40	4.73	7.37	25.31	134.00
696	45.88	113.90	4.48	7.89	31.96	132.74
697	45.97	87.78	4.00	6.93	39.37	131.48
698	46.01	70.18	3.65	7.89	44.86	130.16
699	46.10	65.11	3.17	9.56	48.88	129.08
700	46.16	57.89	2.97	16.14	51.18	128.18
701	46.20	52.57	2.79	20.34	57.05	127.16
702	46.27	44.75	2.33	25.26	59.91	126.03
703	46.34	40.63	2.07	34.29	60.75	124.47
704	46.41	38.82	1.59	99.36	59.16	123.04
705	46.46	38.65	1.34	112.42	55.27	121.33
706	46.54	38.87	1.03	123.82	48.66	119.83
707	46.60	38.91	0.85	141.45	44.35	118.17
708	46.69	39.68	0.67	153.29	41.83	117.06
709	46.74	39.25	0.67	149.52	40.10	116.25
710	46.83	39.25	0.62	152.67	40.14	116.17
711	46.87	39.25	0.65	152.15	40.38	116.30
712	46.92	39.25	0.70	153.11	41.83	117.12
713	47.01	39.77	0.85	150.57	43.42	118.06
714	47.06	40.37	0.95	148.20	45.26	119.23
715	47.15	41.23	1.12	146.80	46.26	120.01
716	47.18	41.92	1.16	146.10	46.85	120.68
717	47.28	43.20	1.24	136.01	47.33	120.99
718	47.33	42.43	1.27	116.37	48.04	121.20
719	47.43	41.57	1.27	134.96	49.05	121.21
720	47.44	40.97	1.27	117.86	49.46	121.01

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
721	47.52	39.85	1.18	133.91	49.70	120.67
722	47.59	38.91	1.13	141.97	49.78	120.17
723	47.70	37.45	1.06	148.38	50.07	119.80
724	47.73	36.93	1.04	151.09	47.93	118.40
725	47.80	36.08	0.58	157.93	44.32	116.36
726	47.85	35.47	0.42	161.27	41.18	114.44
727	47.93	35.22	0.58	164.60	41.73	114.56
728	47.97	35.22	0.61	165.83	44.39	115.77
729	48.07	34.70	0.71	165.21	46.08	116.44
730	48.12	34.62	0.76	165.56	49.00	117.05
731	48.17	31.61	0.82	171.61	50.21	117.89
732	48.26	36.08	0.98	178.45	51.39	118.82
733	48.32	36.76	1.09	174.33	51.19	119.75
734	48.37	37.02	1.16	174.33	51.89	120.44
735	48.46	38.48	1.28	174.33	52.24	121.00
736	48.50	39.25	1.34	173.98	52.03	121.58
737	48.56	41.06	1.43	176.09	51.40	121.80
738	48.64	41.40	1.36	176.57	49.60	121.78
739	48.70	43.81	1.28	177.05	50.05	123.02
740	48.78	48.27	2.10	178.37	51.20	124.93
741	48.82	52.31	2.63	171.70	56.39	127.34
742	48.92	55.92	3.42	158.37	60.77	128.66
743	48.97	46.64	3.76	104.62	58.67	129.94
744	49.02	72.32	4.09	90.59	55.67	130.95
745	49.11	79.11	4.59	89.97	47.97	131.98
746	49.16	82.11	4.89	89.36	46.21	132.75
747	49.24	91.99	5.19	107.60	43.16	133.34
748	49.30	106.08	5.32	105.23	39.31	133.88
749	49.39	118.79	5.42	45.60	36.38	134.18
750	49.43	122.74	5.37	28.94	35.01	134.29
751	49.53	122.23	5.35	10.79	34.96	134.21
752	49.57	118.19	5.25	9.73	36.41	134.04
753	49.62	106.68	5.25	9.82	37.11	134.09
754	49.71	117.46	5.53	12.98	39.63	134.15
755	49.76	99.38	5.68	23.33	42.54	134.52
756	49.85	116.73	5.92	36.74	40.43	134.92
757	49.89	143.96	6.04	34.38	35.91	135.50
758	49.94	159.51	6.16	31.13	31.30	136.06
759	50.02	193.43	6.32	21.22	28.17	136.42
760	50.08	207.61	6.22	16.05	25.47	136.22
761	50.17	205.72	5.19	15.35	24.44	135.85
762	50.21	202.71	5.35	9.82	25.30	135.34
763	50.35	172.30	5.41	2.28	27.51	135.34
764	50.39	164.57	5.59	2.37	31.18	135.23
765	50.42	140.78	5.77	2.63	32.51	135.38
766	50.46	157.70	5.94	5.53	34.04	135.48
767	50.53	146.88	6.06	5.53	34.71	135.57
768	50.60	134.77	6.07	6.23	37.71	135.35

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
769	50.69	117.85	5.96	7.01	40.46	135.00
770	50.74	111.66	5.74	7.37	42.83	134.46
771	50.79	103.24	5.31	8.24	43.03	133.51
772	50.88	98.95	4.20	9.03	42.17	132.30
773	50.92	97.58	3.62	9.47	40.68	130.98
774	51.01	92.85	3.27	9.29	40.56	130.03
775	51.06	85.46	3.01	9.12	41.94	129.07
776	51.12	74.73	2.65	9.91	44.53	128.10
777	51.20	65.37	2.46	11.49	48.43	126.90
778	51.29	53.25	2.14	15.87	51.90	125.87
779	51.34	51.11	1.98	17.01	54.43	124.93
780	51.39	48.87	1.87	18.85	57.21	124.65
781	51.47	42.60	2.06	26.22	61.84	125.16
782	51.52	41.92	2.54	29.20	66.47	125.84
783	51.61	41.92	2.62	34.73	67.23	126.35
784	51.66	44.06	2.54	38.32	65.06	126.41
785	51.71	47.41	2.49	39.81	57.65	126.65
786	51.80	64.51	2.48	38.23	54.27	126.90
787	51.89	57.72	2.59	31.92	51.73	127.18
788	51.94	59.78	2.60	31.04	53.85	127.58
789	51.99	60.30	2.98	27.80	56.53	128.84
790	52.08	59.61	4.09	29.03	60.06	130.09
791	52.11	59.27	4.42	29.55	63.33	131.22
792	52.16	60.04	4.90	28.68	64.71	131.95
793	52.25	62.27	5.42	27.36	60.39	132.76
794	52.31	84.35	5.48	16.84	55.53	133.28
795	52.40	88.30	5.36	16.84	51.61	133.41
796	52.44	84.86	5.22	16.84	51.53	133.16
797	52.50	81.17	4.99	17.71	52.71	132.64
798	52.59	74.90	4.57	20.26	53.39	132.09
799	52.64	74.13	4.34	21.66	52.92	131.35
800	52.73	74.30	3.79	22.36	51.41	130.71
801	52.77	74.34	3.50	23.33	49.57	129.97
802	52.82	74.38	3.22	24.20	47.98	129.27
803	52.91	74.04	2.84	24.20	47.06	128.67
804	52.96	72.07	2.78	24.20	47.22	128.12
805	53.04	67.34	2.68	24.55	49.06	127.76
806	53.10	61.41	2.59	24.91	51.58	127.22
807	53.18	55.92	2.42	26.40	54.29	126.60
808	53.24	51.36	2.26	27.97	56.23	125.81
809	53.32	48.36	2.03	28.24	58.12	125.06
810	53.37	44.49	1.92	28.24	59.16	124.27
811	53.42	42.95	1.74	29.64	61.63	123.80
812	53.51	38.91	1.80	33.76	62.54	123.23
813	53.56	38.82	1.58	34.64	62.19	122.70
814	53.61	40.63	1.41	36.66	61.60	123.40
815	53.73	44.41	2.21	38.76	61.64	124.87
816	53.79	48.10	2.59	37.88	71.10	126.00

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
817	53.81	26.03	2.73	43.76	67.29	127.44
818	53.89	62.36	3.42	51.56	62.21	128.71
819	53.95	71.89	3.70	52.62	51.19	130.11
820	54.03	82.72	3.68	44.37	46.83	130.43
821	54.07	89.42	3.48	37.71	41.84	129.93
822	54.17	96.37	2.67	32.01	37.96	129.09
823	54.21	98.69	2.45	30.61	35.26	128.18
824	54.27	97.49	2.41	30.43	35.23	128.14
825	54.34	96.20	2.63	28.59	36.37	128.31
826	54.40	92.08	2.68	28.41	39.25	128.27
827	54.49	75.59	2.57	31.22	42.91	127.89
828	54.53	67.86	2.51	29.11	47.69	127.25
829	54.63	59.78	2.39	29.46	52.19	126.70
830	54.67	50.94	2.33	32.27	57.46	126.02
831	54.76	43.63	2.20	39.11	61.55	125.46
832	54.81	43.59	2.12	47.35	63.23	125.04
833	54.86	43.59	2.07	48.23	62.46	124.76
834	54.95	43.55	1.96	49.81	61.75	124.54
835	54.99	43.98	1.93	50.34	60.62	124.57
836	55.13	46.73	2.05	50.42	59.72	124.78
837	55.16	47.50	2.07	50.42	58.03	125.11
838	55.22	51.11	2.10	50.86	56.51	125.28
839	55.27	52.65	2.11	50.42	54.62	125.46
840	55.33	55.06	2.13	51.21	52.95	125.84
841	55.41	60.21	2.32	48.58	51.77	126.61
842	55.45	64.08	2.69	48.58	51.54	127.71
843	55.52	66.65	3.12	48.58	52.28	129.05
844	55.61	71.03	3.77	43.23	51.22	130.20
845	55.66	82.37	4.01	30.78	48.18	131.21
846	55.74	95.77	4.22	27.97	43.53	131.68
847	55.80	107.80	4.00	26.66	39.75	131.77
848	55.84	112.86	3.76	24.91	36.81	131.74
849	55.93	121.20	3.86	23.41	35.62	131.76
850	55.98	119.82	3.90	22.63	36.64	131.62
851	56.07	100.58	3.68	20.34	39.57	131.09
852	56.11	86.50	3.44	18.94	45.20	129.93
853	56.20	63.56	2.94	19.07	50.93	128.75
854	56.25	56.43	2.75	19.07	57.06	127.53
855	56.30	50.25	2.55	19.20	60.56	126.41
856	56.39	43.29	2.08	22.89	63.49	125.28
857	56.44	40.37	1.93	26.66	64.02	123.73
858	56.53	39.00	1.45	30.78	62.33	122.25
859	56.58	38.39	1.14	33.15	59.85	120.76
860	56.67	37.62	1.12	38.41	59.08	119.97
861	56.72	36.51	1.10	41.39	59.69	119.83
862	56.76	36.16	1.09	43.06	60.45	119.86
863	56.85	36.08	1.15	44.28	60.81	120.00
864	56.91	35.99	1.16	76.73	60.98	120.20

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
865	57.00	36.25	1.18	85.15	60.33	120.30
866	57.04	37.36	1.18	91.29	59.61	120.36
867	57.09	37.71	1.18	93.92	58.88	120.37
868	57.17	37.71	1.16	102.16	59.02	120.25
869	57.23	36.25	1.13	107.77	59.16	120.07
870	57.31	36.16	1.10	116.37	59.49	119.89
871	57.37	35.82	1.09	119.70	59.56	119.76
872	57.42	35.22	1.08	123.65	59.86	119.71
873	57.50	35.22	1.09	124.17	60.07	119.69
874	57.55	35.22	1.09	126.19	59.56	119.72
875	57.64	36.42	1.08	128.03	58.97	119.79
876	57.69	36.93	1.11	126.89	58.68	120.08
877	57.78	37.36	1.20	126.98	58.95	120.52
878	57.83	38.22	1.27	128.47	59.32	121.02
879	57.87	38.82	1.34	127.42	59.31	121.44
880	57.96	39.85	1.40	123.38	59.21	121.71
881	58.01	40.11	1.40	123.43	59.08	121.87
882	58.10	40.20	1.42	123.47	59.20	121.95
883	58.15	40.03	1.44	128.65	59.05	122.13
884	58.24	41.23	1.49	147.15	58.15	122.35
885	58.29	43.46	1.51	152.85	57.00	122.58
886	58.33	44.24	1.53	154.16	55.72	122.67
887	58.43	45.35	1.50	151.27	54.54	122.58
888	58.47	46.38	1.43	151.62	53.01	122.36
889	58.56	47.50	1.37	151.44	52.27	122.39
890	58.61	47.84	1.49	156.36	51.88	123.10
891	58.75	52.48	1.79	172.58	52.49	123.79
892	58.76	50.42	1.80	178.19	56.86	124.11
893	58.81	36.33	1.85	157.93	56.01	124.36
894	58.88	56.52	1.92	194.50	54.40	124.71
895	58.93	57.89	1.98	207.48	48.90	125.46
896	59.02	62.44	2.14	216.43	47.86	125.90
897	59.07	65.02	2.20	209.15	46.32	126.46
898	59.20	70.52	2.34	225.72	45.21	126.78
899	59.21	71.72	2.34	206.78	44.32	127.05
900	59.30	72.67	2.37	217.13	44.25	127.14
901	59.34	72.75	2.41	180.21	44.45	127.27
902	59.39	72.75	2.47	167.67	44.99	127.47
903	59.48	72.58	2.58	178.81	45.83	127.75
904	59.55	71.21	2.72	204.32	46.97	128.03
905	59.62	69.57	2.80	202.83	48.14	128.19
906	59.66	68.37	2.81	191.61	49.21	128.21
907	59.72	66.65	2.80	177.66	50.20	128.04
908	59.80	63.91	2.69	152.41	51.07	127.79
909	59.85	62.53	2.62	152.06	51.67	127.38
910	59.94	59.87	2.44	183.19	51.92	126.98
911	59.98	58.58	2.35	192.49	51.57	126.20
912	60.08	55.75	1.94	213.62	50.48	125.34

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
913	60.12	56.00	1.73	218.35	49.03	124.55
914	60.22	57.29	1.74	207.48	48.29	124.38
915	60.26	57.46	1.80	204.76	48.48	124.62
916	60.31	57.64	1.89	201.87	49.48	125.08
917	60.40	57.46	2.09	197.13	50.97	125.54
918	60.46	56.17	2.19	168.72	52.29	125.92
919	60.51	56.60	2.25	161.35	53.68	126.13
920	60.59	54.80	2.32	149.95	55.12	126.28
921	60.67	52.74	2.38	139.78	56.94	126.33
922	60.73	51.28	2.38	135.75	58.31	126.24
923	60.78	49.90	2.31	128.47	59.31	125.94
924	60.86	47.59	2.18	127.86	59.88	125.57
925	60.92	46.90	2.10	127.68	60.33	125.20
926	60.96	45.95	2.04	130.66	60.04	124.86
927	61.06	45.87	1.91	136.01	59.57	124.56
928	61.09	46.13	1.87	135.31	58.89	124.26
929	61.20	45.78	1.81	130.14	58.54	124.13
930	61.22	46.08	1.81	129.74	58.39	124.04
931	61.29	46.04	1.81	129.35	58.48	124.10
932	61.36	46.04	1.85	129.22	58.77	124.21
933	61.42	46.04	1.89	129.08	59.08	124.33
934	61.52	46.13	1.90	126.80	59.26	124.40
935	61.56	46.13	1.90	124.52	59.42	124.34
936	61.66	45.44	1.85	111.28	59.97	124.18
937	61.70	43.98	1.81	99.88	60.40	123.99
938	61.75	43.98	1.79	107.60	60.66	123.77
939	61.84	43.38	1.72	108.91	60.68	123.57
940	61.88	42.52	1.69	114.26	61.64	123.94
941	61.97	43.63	2.06	125.49	62.65	124.75
942	62.03	46.04	2.31	119.61	64.64	125.99
943	62.12	45.87	2.76	121.19	67.56	126.73
944	62.17	41.74	2.85	105.49	65.73	127.43
945	62.21	56.86	2.92	52.70	63.86	127.76
946	62.31	54.89	2.99	34.11	60.87	128.06
947	62.35	54.54	3.01	34.29	62.60	127.82
948	62.45	49.56	2.76	46.21	63.43	127.42
949	62.49	49.05	2.62	48.49	64.12	126.72
950	62.57	47.07	2.37	49.72	64.68	126.11
951	62.63	43.72	2.24	48.49	65.76	125.31
952	62.71	40.89	2.00	51.30	67.84	124.56
953	62.76	37.54	1.87	53.49	69.05	123.79
954	62.81	36.68	1.74	54.19	70.10	123.07
955	62.87	34.87	1.57	55.77	69.87	122.26
956	62.95	33.76	1.38	57.44	69.61	121.50
957	62.99	33.41	1.32	58.32	69.48	120.88
958	63.09	32.12	1.25	61.74	69.59	120.56
959	63.13	32.12	1.23	62.52	69.83	120.37
960	63.22	32.12	1.23	60.77	69.65	120.34

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
961	63.27	32.38	1.24	59.89	69.41	120.36
962	63.36	32.64	1.23	60.86	69.16	120.40
963	63.39	32.81	1.25	60.24	68.77	120.48
964	63.45	33.41	1.26	60.95	67.85	120.65
965	63.55	35.13	1.29	58.93	67.11	120.76
966	63.59	34.79	1.28	56.56	65.83	120.33
967	63.69	33.84	1.04	58.84	66.22	119.82
968	63.74	32.12	1.08	55.42	66.86	119.34
969	63.83	31.44	1.10	58.75	68.61	119.41
970	63.88	31.18	1.10	60.51	69.29	119.47
971	63.91	31.18	1.11	61.82	69.65	119.56
972	64.01	31.18	1.14	63.31	69.81	119.66
973	64.05	31.09	1.15	80.68	69.96	119.76
974	64.11	31.01	1.16	87.96	70.06	119.86
975	64.20	31.09	1.18	88.57	70.22	119.97
976	64.25	31.27	1.20	88.39	70.62	120.08
977	64.34	30.84	1.22	89.53	71.08	120.20
978	64.42	30.84	1.24	90.59	71.54	120.29
979	64.44	30.92	1.25	90.41	71.71	120.38
980	64.52	31.01	1.26	88.83	72.07	120.42
981	64.57	30.49	1.27	87.69	72.89	120.46
982	64.67	29.89	1.28	86.90	73.80	120.45
983	64.71	29.63	1.28	86.73	74.58	120.39
984	64.82	29.12	1.26	86.47	74.90	120.31
985	64.85	29.12	1.25	86.47	75.08	120.20
986	64.93	28.95	1.23	84.80	75.21	120.10
987	64.98	28.60	1.21	84.80	75.40	119.96
988	65.03	28.35	1.19	85.68	73.17	118.95
989	65.12	28.26	0.77	83.57	71.77	118.31
990	65.20	28.26	0.95	82.78	70.27	117.68
991	65.22	28.26	0.95	82.43	71.57	118.19
992	65.31	28.26	0.96	84.36	71.88	118.32
993	65.40	28.26	1.00	87.78	77.22	118.26
994	65.43	20.87	1.02	81.03	76.85	118.48
995	65.50	29.38	1.04	93.31	74.98	118.71
996	65.55	31.35	1.05	103.04	68.24	119.28
997	65.65	33.16	1.12	103.39	66.65	119.62
998	65.69	33.58	1.14	103.56	65.35	120.09
999	65.78	35.82	1.22	115.32	64.09	120.53
1000	65.82	37.62	1.28	120.05	61.96	121.28
1001	65.92	41.74	1.44	129.17	60.47	121.94
1002	65.97	42.95	1.51	129.26	59.33	122.55
1003	66.01	44.24	1.58	123.82	59.36	123.04
1004	66.11	44.84	1.71	126.72	59.58	123.43
1005	66.15	45.09	1.75	118.56	60.48	123.70
1006	66.25	43.81	1.78	114.18	61.39	123.76
1007	66.30	42.95	1.78	119.88	62.49	123.73
1008	66.38	42.00	1.77	131.80	63.07	123.68

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
1009	66.43	41.66	1.76	141.27	63.17	123.60
1010	66.47	41.92	1.73	144.43	62.57	123.50
1011	66.54	42.60	1.68	147.85	61.76	123.33
1012	66.61	42.43	1.63	159.07	61.04	123.20
1013	66.69	42.95	1.63	147.15	60.50	123.17
1014	66.75	43.29	1.64	185.38	60.41	123.20
1015	66.80	42.60	1.65	183.28	61.32	123.21
1016	66.89	40.20	1.66	178.98	62.18	123.15
1017	66.94	40.89	1.64	183.85	63.45	123.03
1018	67.03	39.17	1.61	159.34	64.11	122.86
1019	67.08	37.62	1.58	184.42	65.45	122.58
1020	67.17	36.33	1.51	183.45	65.59	122.42
1021	67.21	37.66	1.53	186.08	66.59	122.35
1022	67.27	34.96	1.56	194.68	65.51	122.23
1023	67.35	37.71	1.42	203.97	64.24	122.08
1024	67.39	39.34	1.41	206.25	61.35	122.02
1025	67.49	41.66	1.46	171.35	61.00	122.16
1026	67.53	40.97	1.48	96.72	62.38	122.31
1027	67.63	38.57	1.53	93.22	71.52	122.05
1028	67.66	22.33	1.55	118.65	75.99	122.05
1029	67.72	33.07	1.60	128.12	78.78	121.88
1030	67.80	32.90	1.50	143.73	71.98	121.92
1031	67.85	32.98	1.41	144.96	70.70	121.44
1032	67.92	32.81	1.31	145.39	69.64	121.02
1033	67.98	32.81	1.27	145.35	69.35	120.64
1034	68.08	31.78	1.23	145.31	69.82	120.36
1035	68.13	30.75	1.19	144.52	71.10	119.96
1036	68.22	29.03	1.12	138.91	72.23	119.58
1037	68.25	28.43	1.09	145.00	73.25	119.20
1038	68.31	27.74	1.05	140.83	73.75	118.97
1039	68.40	27.31	1.03	145.48	74.07	118.79
1040	68.45	27.31	1.02	145.22	72.91	118.26
1041	68.53	27.40	0.84	143.47	71.88	117.82
1042	68.59	27.23	0.87	143.99	71.46	117.70
1043	68.64	27.49	0.97	146.10	71.96	118.00
1044	68.72	27.74	0.95	146.71	72.56	118.36
1045	68.79	27.74	1.00	146.01	73.00	118.57
1046	68.86	27.66	1.06	146.62	74.04	118.90
1047	68.90	27.57	1.09	143.47	74.88	119.16
1048	68.97	27.49	1.12	150.83	74.66	119.42
1049	69.06	28.86	1.16	158.81	73.86	119.68
1050	69.10	29.55	1.18	162.32	72.23	119.96
1051	69.19	30.92	1.20	167.06	70.86	120.16
1052	69.25	31.87	1.22	168.02	69.42	120.41
1053	69.33	33.07	1.26	169.07	68.49	120.62
1054	69.37	33.58	1.28	169.51	67.68	120.83
1055	69.43	34.36	1.30	170.12	67.11	121.07
1056	69.51	35.39	1.36	168.72	66.91	121.39

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
1057	69.57	35.56	1.43	174.16	66.87	121.78
1058	69.66	36.33	1.50	180.82	66.75	122.05
1059	69.69	36.93	1.50	182.49	66.03	122.26
1060	69.75	38.14	1.52	180.82	64.30	121.97
1061	69.82	38.57	1.30	175.91	63.21	121.74
1062	69.89	38.31	1.36	171.70	63.60	121.60
1063	69.98	36.68	1.46	169.42	65.70	121.88
1064	70.03	35.73	1.49	164.86	67.92	122.05
1065	70.12	34.87	1.51	158.99	71.31	121.98
1066	70.15	30.15	1.51	155.92	72.41	121.91
1067	70.23	33.50	1.48	162.50	72.98	121.79
1068	70.29	33.24	1.45	167.67	71.08	121.69
1069	70.35	32.81	1.41	170.65	70.66	121.42
1070	70.43	32.90	1.33	169.51	69.83	120.99
1071	70.51	32.73	1.22	167.41	69.18	120.65
1072	70.56	32.47	1.23	167.49	68.95	120.47
1073	70.62	32.43	1.24	172.32	69.29	120.49
1074	70.70	32.21	1.24	171.79	69.48	120.55
1075	70.75	32.38	1.26	171.44	69.54	120.64
1076	70.84	32.73	1.28	174.07	69.36	120.75
1077	70.89	33.16	1.29	169.16	69.22	120.88
1078	70.94	33.33	1.32	167.06	69.30	121.08
1079	71.03	33.67	1.38	166.97	69.22	121.29
1080	71.08	34.36	1.39	170.21	68.45	121.49
1081	71.16	35.65	1.40	176.70	66.05	121.65
1082	71.21	39.43	1.40	158.99	65.18	121.71
1083	71.26	36.51	1.40	173.41	66.05	121.67
1084	71.34	34.10	1.40	145.39	68.30	121.57
1085	71.39	34.27	1.40	170.12	68.93	121.50
1086	71.49	35.04	1.38	167.93	68.13	121.46
1087	71.53	35.13	1.36	171.00	67.19	121.40
1088	71.59	35.73	1.35	176.53	66.48	121.36
1089	71.66	36.08	1.34	182.40	65.21	121.33
1090	71.77	37.36	1.32	192.40	64.04	121.33
1091	71.82	37.97	1.32	197.66	62.97	121.34
1092	71.86	38.31	1.32	198.80	61.84	121.41
1093	71.95	40.11	1.32	209.23	61.93	122.18
1094	72.04	41.92	1.71	226.25	62.85	123.40
1095	72.09	42.95	2.04	238.00	64.05	125.04
1096	72.13	47.24	2.48	251.68	61.53	126.96
1097	72.19	64.94	3.21	127.59	55.11	129.31
1098	72.29	89.59	4.13	175.82	50.11	131.29
1099	72.33	98.78	4.66	86.55	46.91	132.69
1100	72.38	107.45	5.05	37.88	44.59	133.72
1101	72.47	126.95	5.63	19.91	40.39	134.18
1102	72.51	146.36	4.97	10.26	33.94	133.95
1103	72.60	175.22	3.76	-0.96	28.73	133.50
1104	72.65	191.63	4.20	5.86	25.02	133.71

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
1105	72.71	221.26	4.76	5.86	23.73	134.66
1106	72.77	235.61	5.04	5.86	22.91	135.39
1107	72.83	239.04	5.31	0.44	22.41	135.92
1108	72.93	255.96	5.65	2.63	21.78	136.05
1109	72.97	259.06	5.16	2.89	21.37	136.16
1110	73.07	255.88	5.43	3.86	21.88	136.32
1111	73.11	247.89	6.05	3.86	23.78	136.76
1112	73.17	225.82	6.47	3.77	26.46	137.28
1113	73.24	212.07	7.23	3.51	29.31	137.28
1114	73.30	202.62	7.70	3.25	32.14	137.28
1115	73.39	186.82	8.18	13.94	40.01	137.28
1116	73.43	86.92	8.16	11.49	44.25	137.28
1117	73.50	150.23	8.02	8.95	49.25	137.02
1118	73.57	126.69	7.27	7.98	44.71	136.22
1119	73.63	109.26	5.32	7.80	47.25	133.87
1120	73.72	83.23	3.34	6.05	49.27	131.35
1121	73.76	73.70	3.33	5.53	54.83	129.38
1122	73.85	56.09	3.19	7.19	61.58	128.88
1123	73.90	51.88	3.19	10.44	68.08	128.42
1124	73.95	49.56	3.19	14.56	70.64	128.19
1125	74.02	47.33	3.06	20.78	69.97	127.76
1126	74.12	50.25	2.68	26.83	68.05	127.24
1127	74.16	50.51	2.54	27.10	65.91	126.60
1128	74.22	48.19	2.35	29.73	64.83	125.88
1129	74.30	47.84	2.01	34.55	63.20	124.91
1130	74.34	47.93	1.72	39.46	61.68	124.06
1131	74.42	46.38	1.71	37.62	61.76	123.56
1132	74.48	44.32	1.69	36.92	63.12	123.32
1133	74.55	42.95	1.62	37.01	64.25	122.99
1134	74.61	41.66	1.55	37.45	65.11	122.66
1135	74.69	40.28	1.52	44.55	65.92	122.42
1136	74.76	39.68	1.51	48.93	66.38	122.27
1137	74.83	39.68	1.48	50.34	66.32	122.14
1138	74.87	39.60	1.44	51.21	59.00	119.10
1139	74.95	39.85	0.00	50.77	49.05	113.94
1140	75.01	39.51	0.00	50.60	N/A	87.36
1141	75.07	39.51	0.00	53.32	N/A	87.36
1142	75.15	39.51	0.00	56.12	N/A	87.36
1143	75.24	39.17	0.00	57.44	N/A	87.36
1144	75.28	37.71	0.00	57.97	N/A	87.36

Abbreviations

Depth:	Depth from free surface, at which CPT was performed (ft)
q_c:	Measured cone resistance (tsf)
f_s:	Sleeve friction resistance (tsf)
u:	Pore pressure (tsf)
Fines content:	Percentage of fines in soil (%)
Unit weight:	Bulk soil unit weight (pcf)

Fenagh Engineering and Testing
9070 Center Avenue
Rancho Cucamonga, CA 91730
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LIQUEFACTION ANALYSIS REPORT

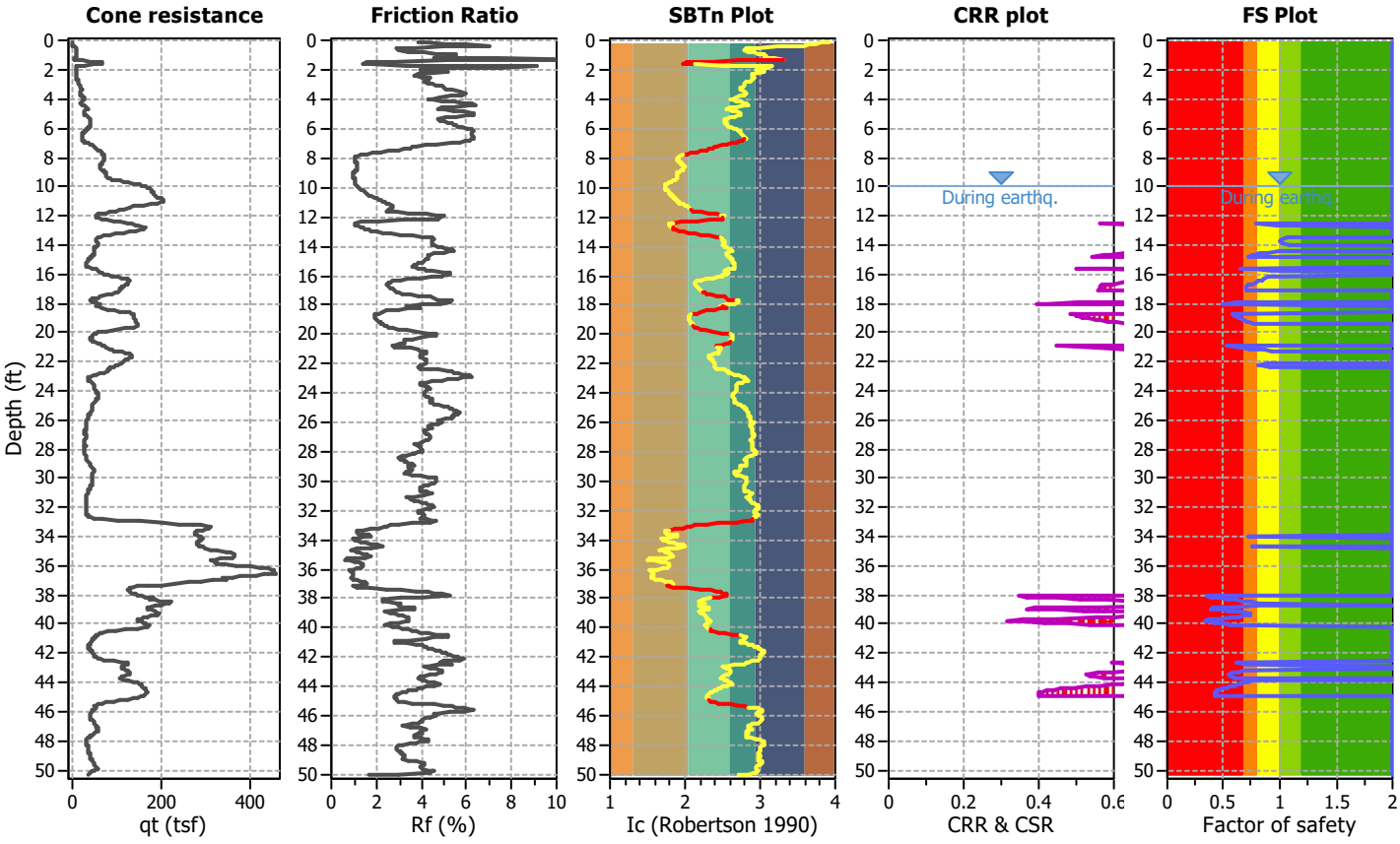
Project title : Centennial High School

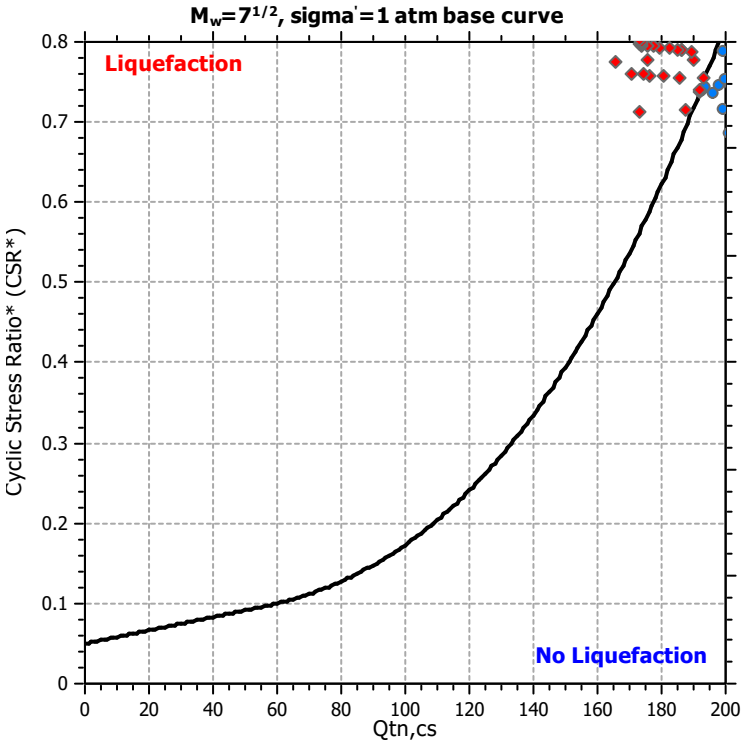
Location : 2606 N. Central Ave, Compton, CA 90222

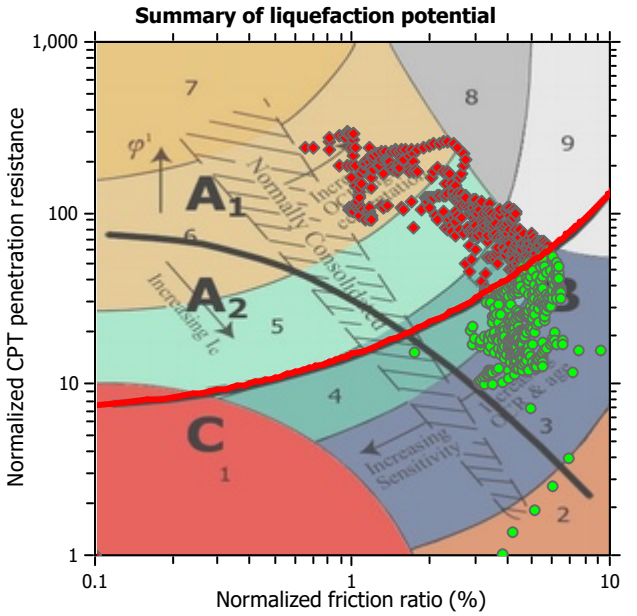
CPT file : CPT-12

Input parameters and analysis data

Analysis method:	NCEER (1998)	G.W.T. (in-situ):	50.00 ft	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	NCEER (1998)	G.W.T. (earthq.):	10.00 ft	Fill height:	N/A	Limit depth applied:	No
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	N/A
Earthquake magnitude M_w:	7.30	Ic cut-off value:	2.60	Trans. detect. applied:	Yes	MSF method:	Method based
Peak ground acceleration:	0.83	Unit weight calculation:	Based on SBT	K_σ applied:	Yes		

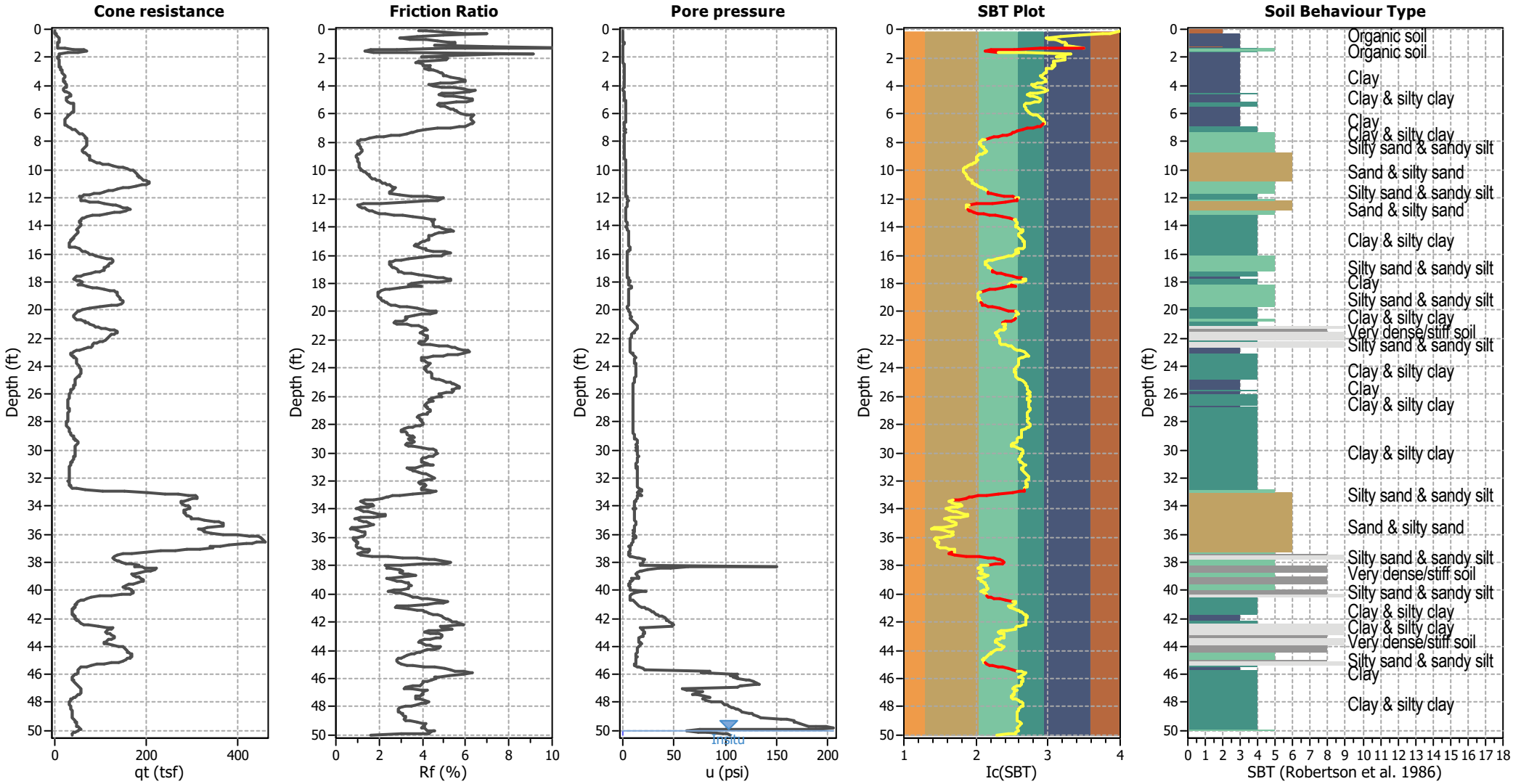






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and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

CPT basic interpretation plots



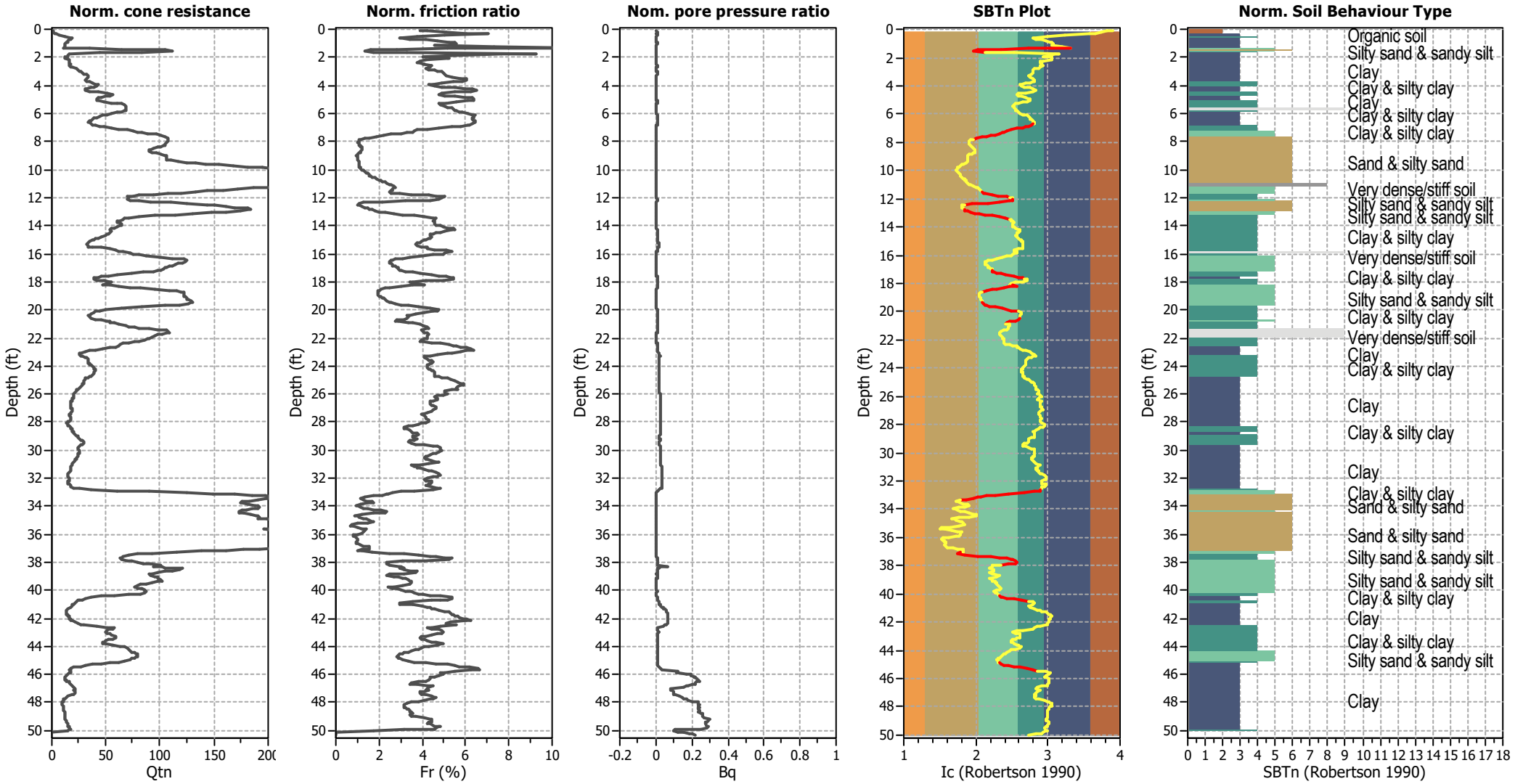
Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	7.30	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.83	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	50.00 ft	Fill height:	N/A	Limit depth:	N/A

SBT legend

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

CPT basic interpretation plots (normalized)



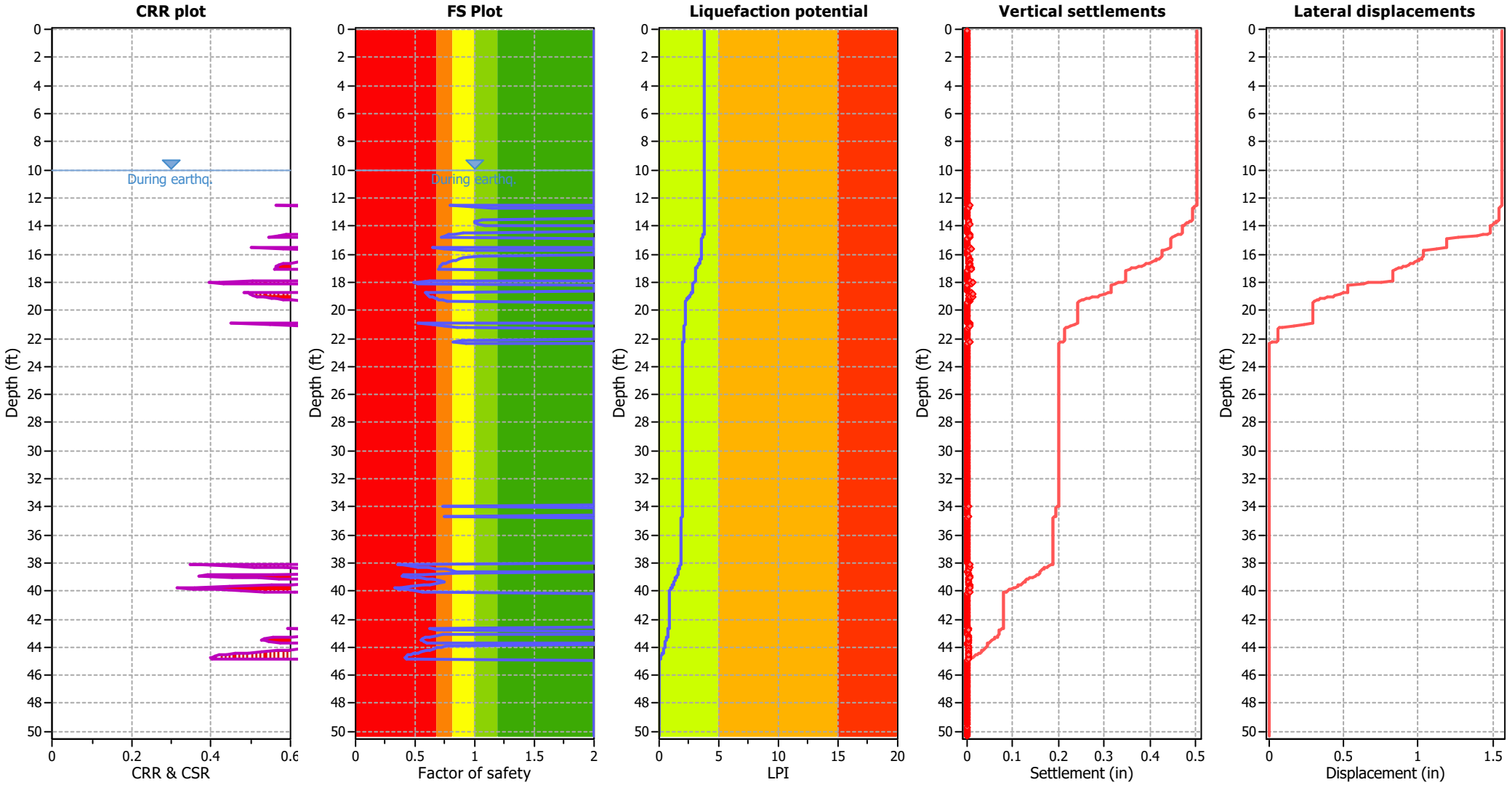
Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	7.30	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.83	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	50.00 ft	Fill height:	N/A	Limit depth:	N/A

SBTn legend

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

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	7.30	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.83	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	50.00 ft	Fill height:	N/A	Limit depth:	N/A

F.S. color scheme

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

LPI color scheme

- Very high risk
- High risk
- Low risk

:: Field input data ::

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
1	0.08	0.52	0.02	0.00	100.00	87.36
2	0.13	0.86	0.03	0.00	100.00	87.36
3	0.23	1.12	0.05	0.09	100.00	89.79
4	0.28	1.46	0.09	0.09	100.00	94.14
5	0.33	2.15	0.14	0.26	100.00	98.79
6	0.42	3.18	0.24	0.35	76.53	102.95
7	0.47	8.07	0.28	0.44	57.38	105.98
8	0.55	11.51	0.32	0.44	46.45	107.35
9	0.60	11.85	0.31	0.44	45.07	108.35
10	0.69	10.91	0.39	0.44	47.96	108.97
11	0.74	10.22	0.43	0.44	52.87	109.64
12	0.83	9.36	0.46	0.35	56.29	109.90
13	0.88	9.10	0.46	0.35	60.09	109.89
14	0.95	7.99	0.46	1.23	62.54	109.69
15	0.99	7.82	0.45	0.61	64.12	109.15
16	1.09	7.64	0.39	0.26	63.59	108.37
17	1.14	7.30	0.34	0.26	61.96	107.15
18	1.22	7.13	0.28	0.26	71.96	110.30
19	1.28	7.13	0.94	0.18	83.19	113.64
20	1.32	7.13	1.25	0.18	42.04	118.58
21	1.43	50.94	1.15	-0.26	24.64	120.35
22	1.46	63.65	1.06	-0.17	13.73	120.74
23	1.55	81.94	0.90	-0.09	11.98	120.22
24	1.60	63.30	0.89	-0.09	16.66	119.04
25	1.64	9.88	0.88	-0.09	31.64	117.71
26	1.74	9.75	0.97	-0.09	69.64	115.03
27	1.78	9.75	0.83	-0.09	65.63	113.54
28	1.85	9.62	0.40	0.35	60.12	110.64
29	1.91	8.33	0.28	0.35	54.60	108.29
30	1.97	9.53	0.42	0.26	62.70	107.84
31	2.06	4.81	0.40	0.26	62.82	108.80
32	2.10	9.45	0.41	0.44	62.66	108.74
33	2.19	9.53	0.41	0.44	53.76	109.18
34	2.25	10.39	0.39	0.44	51.85	108.96
35	2.33	10.39	0.36	0.44	51.48	108.69
36	2.38	9.36	0.37	0.44	52.27	108.70
37	2.43	9.88	0.40	0.61	53.04	109.25
38	2.52	10.74	0.45	0.70	51.30	109.91
39	2.57	11.68	0.45	0.88	53.44	110.21
40	2.63	8.85	0.46	0.96	51.47	110.81
41	2.71	13.23	0.53	0.61	50.57	111.48
42	2.76	13.66	0.56	0.70	46.45	112.71
43	2.85	15.20	0.65	0.70	46.07	113.48
44	2.90	15.46	0.69	0.70	45.95	114.32
45	2.99	15.89	0.75	0.88	46.00	114.92
46	3.04	16.75	0.81	1.49	46.11	115.53
47	3.09	17.01	0.86	1.49	45.05	116.29
48	3.17	19.41	0.96	1.67	44.17	117.01

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
49	3.22	20.19	1.01	1.67	42.59	117.83
50	3.32	22.16	1.10	1.49	42.40	118.31
51	3.36	21.47	1.13	1.49	43.00	118.70
52	3.46	20.70	1.19	1.31	45.07	118.80
53	3.54	19.33	1.20	1.31	46.44	118.83
54	3.64	19.58	1.18	1.31	46.60	118.79
55	3.69	20.36	1.17	1.31	45.35	118.79
56	3.74	21.13	1.17	1.40	43.12	118.81
57	3.82	23.11	1.12	1.49	39.96	118.91
58	3.91	26.20	1.12	1.49	37.36	119.01
59	3.94	26.71	1.13	1.49	36.11	119.23
60	4.02	26.80	1.17	1.05	37.13	119.41
61	4.09	24.82	1.22	0.88	39.21	119.50
62	4.15	22.85	1.23	0.61	42.78	119.33
63	4.24	19.58	1.21	0.44	45.53	119.11
64	4.28	19.63	1.21	0.44	47.45	118.97
65	4.33	19.63	1.23	0.44	48.08	119.25
66	4.42	19.67	1.35	0.61	45.65	119.86
67	4.47	25.42	1.42	0.88	39.92	121.03
68	4.56	34.96	1.60	1.23	35.32	122.03
69	4.61	35.99	1.69	1.49	33.62	122.72
70	4.70	34.53	1.73	1.40	34.90	122.80
71	4.74	31.61	1.71	1.31	37.37	122.65
72	4.80	28.35	1.72	1.14	40.02	122.34
73	4.88	26.46	1.66	1.14	42.10	122.06
74	4.93	25.77	1.64	1.23	42.96	121.87
75	5.02	25.77	1.65	1.49	42.75	121.88
76	5.08	26.88	1.66	2.54	41.37	122.05
77	5.13	29.38	1.68	2.81	38.18	122.43
78	5.22	34.96	1.73	2.72	35.00	122.90
79	5.28	38.22	1.79	2.54	32.68	123.38
80	5.32	39.77	1.85	2.46	31.74	123.99
81	5.41	42.60	2.07	2.37	31.55	124.49
82	5.45	42.78	2.12	2.37	31.86	124.96
83	5.53	42.26	2.21	2.37	32.29	125.19
84	5.59	42.78	2.27	2.37	32.73	125.42
85	5.68	42.95	2.33	2.37	32.95	125.59
86	5.74	42.78	2.36	2.37	33.22	125.67
87	5.78	42.43	2.35	2.37	33.68	125.58
88	5.87	40.54	2.29	2.37	34.46	125.33
89	5.92	38.14	2.21	2.37	35.77	124.87
90	6.01	34.70	2.07	2.46	37.64	124.35
91	6.05	31.44	2.01	2.54	39.34	123.82
92	6.10	30.32	1.93	2.54	40.88	123.23
93	6.19	27.66	1.75	2.54	41.75	122.59
94	6.26	26.11	1.63	2.37	42.78	121.86
95	6.33	24.65	1.53	2.37	43.44	121.32
96	6.37	23.96	1.48	2.28	44.41	120.85

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
97	6.47	22.33	1.42	2.19	45.28	120.51
98	6.53	21.82	1.39	2.10	46.09	120.23
99	6.61	21.56	1.37	2.02	46.32	120.12
100	6.65	21.56	1.37	1.84	46.15	120.13
101	6.70	22.16	1.40	1.84	45.24	120.37
102	6.78	23.96	1.46	1.84	43.94	120.76
103	6.84	25.34	1.52	1.84	42.35	121.32
104	6.93	27.57	1.63	1.84	40.08	121.81
105	6.97	31.01	1.64	1.84	37.57	122.20
106	7.02	33.24	1.63	1.84	33.64	122.50
107	7.11	40.11	1.62	1.93	30.50	122.71
108	7.16	42.78	1.60	1.93	27.38	123.16
109	7.25	48.96	1.72	1.84	25.80	123.54
110	7.30	50.59	1.76	2.02	24.97	123.87
111	7.36	49.90	1.75	2.54	23.49	123.89
112	7.45	57.21	1.64	1.84	21.68	123.79
113	7.49	60.56	1.58	1.84	19.24	123.45
114	7.58	63.05	1.40	1.84	17.34	122.91
115	7.63	66.05	1.25	1.84	15.19	121.96
116	7.72	68.37	1.02	1.84	13.39	120.96
117	7.77	69.49	0.90	1.84	12.04	119.91
118	7.82	69.66	0.81	1.75	11.18	119.12
119	7.90	70.18	0.73	1.75	10.69	118.62
120	7.95	70.60	0.73	1.75	10.42	118.38
121	8.03	70.95	0.73	1.75	10.39	118.37
122	8.09	70.95	0.72	1.75	10.46	118.40
123	8.15	70.43	0.74	1.75	10.66	118.51
124	8.23	70.00	0.77	1.75	10.96	118.68
125	8.27	69.57	0.78	1.75	11.32	118.78
126	8.37	67.34	0.78	1.75	11.64	118.75
127	8.41	66.40	0.78	1.75	12.02	118.56
128	8.51	63.30	0.75	1.75	12.32	118.34
129	8.55	62.27	0.73	1.75	12.63	118.09
130	8.60	60.90	0.72	1.75	12.77	117.95
131	8.69	60.64	0.71	1.75	12.58	117.88
132	8.78	64.16	0.71	1.75	12.18	117.92
133	8.83	66.22	0.72	1.75	11.40	118.06
134	8.88	71.38	0.71	1.75	10.71	118.21
135	8.96	74.81	0.71	1.75	10.16	118.36
136	9.02	76.10	0.73	1.84	9.96	118.49
137	9.06	76.19	0.74	1.84	9.98	118.62
138	9.13	76.36	0.75	1.84	10.05	118.66
139	9.20	76.19	0.74	1.84	10.15	118.75
140	9.29	76.27	0.76	1.93	10.16	118.99
141	9.34	79.71	0.81	1.93	10.09	119.59
142	9.42	85.29	0.91	1.93	9.74	120.35
143	9.48	92.94	0.98	1.93	9.38	121.09
144	9.52	97.32	1.03	1.93	8.88	121.79

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
145	9.59	106.08	1.12	2.02	8.44	122.54
146	9.66	115.87	1.23	2.02	7.90	123.42
147	9.71	127.21	1.35	2.10	7.44	124.40
148	9.80	139.23	1.53	2.10	7.05	125.37
149	9.86	150.66	1.68	2.19	6.79	126.29
150	9.93	160.45	1.84	2.19	6.66	127.02
151	9.98	164.74	1.95	2.28	6.68	127.79
152	10.07	173.59	2.19	2.28	6.82	128.42
153	10.12	176.00	2.31	2.28	7.07	129.11
154	10.21	178.23	2.53	2.37	7.40	129.61
155	10.28	179.00	2.66	2.37	7.68	130.01
156	10.30	179.95	2.71	2.37	7.86	130.33
157	10.40	182.78	2.86	2.46	7.99	130.59
158	10.44	184.41	2.94	2.46	8.23	130.97
159	10.54	185.36	3.13	2.46	8.49	131.32
160	10.58	186.48	3.27	2.46	8.94	131.87
161	10.67	188.88	3.64	2.46	9.30	132.44
162	10.72	194.81	3.88	2.54	9.60	133.03
163	10.76	198.76	4.09	2.54	9.77	133.62
164	10.86	206.92	4.50	2.72	10.00	134.12
165	10.90	208.04	4.67	2.72	10.27	134.59
166	10.97	208.55	4.89	2.81	10.65	134.82
167	11.04	203.74	4.98	2.81	11.23	134.92
168	11.11	192.49	4.98	2.81	11.99	134.74
169	11.18	176.94	4.79	2.81	12.88	134.31
170	11.25	162.17	4.50	2.72	13.63	133.55
171	11.32	147.48	3.97	2.72	14.10	132.75
172	11.36	141.55	3.71	2.72	14.52	131.73
173	11.45	124.29	3.22	2.54	15.00	130.96
174	11.50	119.14	3.12	2.54	15.42	129.72
175	11.60	105.39	2.43	2.54	15.86	128.85
176	11.64	99.64	2.44	2.46	16.95	127.98
177	11.69	87.18	2.47	2.46	19.70	127.92
178	11.79	71.72	2.67	2.46	22.98	127.85
179	11.82	67.68	2.70	2.46	27.46	127.69
180	11.89	51.88	2.75	2.72	29.45	127.63
181	11.94	59.10	2.79	3.33	31.47	127.52
182	12.03	55.66	2.77	3.60	30.82	127.48
183	12.12	55.32	2.65	4.65	30.72	127.22
184	12.16	57.21	2.52	5.17	29.04	126.97
185	12.21	62.44	2.40	5.35	23.66	126.09
186	12.30	80.74	1.50	4.38	17.69	124.43
187	12.35	88.56	0.98	4.12	11.70	122.85
188	12.44	115.96	1.19	3.68	9.31	122.73
189	12.48	122.83	1.28	3.68	8.15	123.96
190	12.54	140.18	1.42	3.60	8.16	124.78
191	12.60	134.34	1.58	3.51	8.27	126.18
192	12.69	153.66	2.05	2.81	8.74	127.44

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
193	12.74	160.79	2.28	2.89	8.93	128.75
194	12.83	166.12	2.58	2.89	9.26	129.44
195	12.88	165.00	2.67	2.89	9.91	129.87
196	12.96	154.87	2.76	2.89	10.87	130.01
197	13.01	144.47	2.87	2.81	12.44	130.11
198	13.08	129.27	3.00	2.72	14.34	130.16
199	13.15	116.90	3.09	2.63	16.84	130.04
200	13.20	99.04	3.09	2.63	19.65	129.71
201	13.29	83.92	3.02	2.63	23.26	129.10
202	13.34	68.29	2.88	2.63	26.80	128.41
203	13.43	60.21	2.75	2.81	29.51	127.85
204	13.47	59.44	2.72	2.81	30.60	127.54
205	13.52	58.58	2.67	2.98	30.64	127.18
206	13.62	56.35	2.42	3.07	31.10	126.78
207	13.66	53.25	2.40	3.16	31.71	126.50
208	13.72	52.83	2.47	3.77	31.97	126.47
209	13.78	54.97	2.41	3.68	31.48	126.76
210	13.89	58.84	2.60	3.60	31.08	127.04
211	13.95	58.24	2.68	3.51	31.34	127.34
212	13.99	56.95	2.70	3.42	32.28	127.34
213	14.08	54.11	2.68	3.25	33.21	127.27
214	14.15	53.25	2.68	3.33	34.46	127.17
215	14.18	50.33	2.70	3.60	35.73	127.08
216	14.27	47.76	2.69	4.21	36.35	126.99
217	14.32	50.03	2.63	4.56	36.10	126.78
218	14.40	49.73	2.50	5.00	34.84	126.58
219	14.44	51.62	2.41	5.09	34.23	126.23
220	14.50	49.56	2.28	5.00	33.60	125.84
221	14.58	49.22	2.13	5.35	33.46	125.47
222	14.64	49.22	2.11	5.53	33.43	125.10
223	14.72	46.64	2.00	5.70	34.20	124.69
224	14.78	42.86	1.88	5.88	35.26	124.04
225	14.86	40.20	1.73	5.88	36.25	123.38
226	14.91	38.57	1.63	5.79	36.78	122.74
227	14.97	36.85	1.52	5.79	37.01	122.16
228	15.05	35.82	1.41	5.79	37.46	121.58
229	15.11	33.93	1.35	5.79	37.77	120.92
230	15.19	32.21	1.21	5.88	38.17	120.37
231	15.23	31.87	1.18	5.88	38.03	119.93
232	15.33	32.04	1.15	6.05	37.79	119.79
233	15.37	32.30	1.14	6.05	37.80	120.09
234	15.47	33.58	1.30	6.23	38.18	120.72
235	15.51	34.70	1.44	6.31	37.45	122.00
236	15.56	42.09	1.74	6.49	34.66	124.08
237	15.65	57.81	2.39	6.49	32.37	125.86
238	15.70	60.30	2.58	6.23	32.02	127.33
239	15.78	58.84	2.96	5.35	33.99	128.09
240	15.84	56.00	3.29	5.44	34.11	128.90

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
241	15.88	68.80	3.45	4.38	33.07	129.57
242	15.96	72.67	3.65	4.38	31.13	130.09
243	16.04	75.07	3.71	4.38	30.29	130.33
244	16.08	78.16	3.65	4.47	28.04	130.42
245	16.18	91.05	3.50	4.47	25.57	130.48
246	16.22	97.66	3.48	4.47	21.97	130.71
247	16.32	119.99	3.48	4.12	19.71	130.92
248	16.36	124.46	3.44	4.12	17.82	131.05
249	16.41	128.93	3.36	4.12	17.09	130.91
250	16.48	128.93	3.21	4.12	16.64	130.70
251	16.55	127.38	3.13	4.12	16.58	130.47
252	16.64	124.98	3.10	4.12	16.83	130.32
253	16.68	121.80	3.08	4.03	17.20	130.20
254	16.76	118.79	3.04	3.86	17.63	130.12
255	16.82	116.99	3.06	3.86	18.09	130.08
256	16.87	114.50	3.09	3.77	18.69	130.10
257	16.96	110.63	3.14	3.86	19.25	130.10
258	17.01	109.86	3.13	3.77	19.66	130.06
259	17.10	108.40	3.10	3.86	19.84	130.03
260	17.15	108.06	3.12	3.95	20.19	130.00
261	17.20	105.13	3.15	3.95	20.92	130.00
262	17.29	99.64	3.19	3.95	21.99	129.96
263	17.32	95.08	3.19	3.86	24.35	129.63
264	17.43	75.16	3.05	3.86	27.16	129.14
265	17.46	68.11	2.95	3.86	31.60	128.09
266	17.60	51.36	2.52	3.86	34.76	127.26
267	17.61	49.82	2.50	4.03	37.74	126.42
268	17.65	47.24	2.41	4.21	39.30	126.03
269	17.73	42.26	2.28	4.74	41.01	125.64
270	17.79	40.97	2.28	5.53	41.23	125.47
271	17.88	45.35	2.27	5.96	38.31	125.59
272	17.93	53.60	2.20	6.23	33.44	125.69
273	18.01	62.27	2.06	6.31	30.05	125.63
274	18.05	62.27	2.01	5.96	29.00	125.52
275	18.11	58.49	2.05	5.17	31.06	125.47
276	18.19	50.68	2.15	4.82	33.68	125.40
277	18.25	49.13	2.12	5.09	29.70	125.73
278	18.31	82.13	2.04	7.72	25.98	125.84
279	18.40	75.59	1.98	8.51	21.86	126.17
280	18.45	86.92	2.05	7.63	19.62	126.74
281	18.54	113.81	2.28	5.79	17.20	127.57
282	18.58	120.60	2.39	5.61	15.51	128.42
283	18.65	130.30	2.57	5.61	14.88	128.89
284	18.72	135.63	2.61	5.53	14.43	129.21
285	18.77	137.09	2.62	5.53	14.22	129.34
286	18.86	137.86	2.66	5.53	14.24	129.42
287	18.90	137.77	2.68	5.44	14.38	129.59
288	19.00	138.72	2.79	5.35	14.57	129.80

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
289	19.06	140.09	2.88	5.26	14.74	130.10
290	19.14	142.33	2.99	5.26	14.90	130.38
291	19.18	143.36	3.10	5.26	15.24	130.63
292	19.23	140.18	3.20	4.91	15.42	130.88
293	19.30	145.59	3.29	4.91	15.59	131.17
294	19.37	148.17	3.46	4.82	15.64	131.55
295	19.46	149.97	3.65	4.82	15.97	131.92
296	19.51	149.63	3.78	4.82	16.46	132.21
297	19.55	146.97	3.92	4.82	17.40	132.52
298	19.65	140.78	4.22	4.82	18.92	132.61
299	19.69	125.66	4.16	4.74	21.38	132.28
300	19.79	101.70	3.85	4.65	25.34	131.11
301	19.92	70.09	3.18	4.47	30.31	129.63
302	19.97	60.21	2.89	5.00	35.09	127.91
303	20.06	51.88	2.43	5.79	36.80	126.71
304	20.11	50.16	2.18	5.96	37.21	125.56
305	20.18	48.19	1.97	6.75	36.76	124.27
306	20.30	43.12	1.48	7.19	36.28	123.02
307	20.34	42.52	1.38	7.37	35.75	121.96
308	20.39	42.52	1.38	7.45	35.57	121.77
309	20.43	42.52	1.38	7.54	35.42	121.78
310	20.48	43.20	1.38	7.63	35.67	121.95
311	20.57	42.95	1.47	7.54	34.51	122.40
312	20.66	50.33	1.56	8.59	32.70	122.93
313	20.70	54.89	1.58	8.95	29.07	123.50
314	20.76	65.54	1.61	9.56	27.37	124.28
315	20.83	68.03	1.93	10.09	27.12	125.24
316	20.89	67.26	2.17	10.44	28.92	126.37
317	20.94	67.17	2.55	10.87	29.06	127.53
318	21.01	81.44	2.90	12.28	29.25	128.81
319	21.11	83.06	3.42	13.68	28.47	130.02
320	21.20	91.22	3.80	13.68	28.64	130.89
321	21.24	94.31	4.00	13.68	27.87	131.61
322	21.29	102.30	4.29	13.33	27.31	132.17
323	21.34	107.11	4.54	13.33	25.73	132.94
324	21.43	126.44	4.95	12.89	24.51	133.58
325	21.48	131.50	5.14	12.72	23.38	134.19
326	21.54	137.17	5.40	11.57	23.29	134.53
327	21.62	136.74	5.55	10.44	23.55	134.77
328	21.68	134.42	5.64	9.03	24.14	134.77
329	21.75	129.10	5.50	8.24	24.69	134.62
330	21.79	125.92	5.36	7.98	25.16	134.25
331	21.89	119.48	5.03	7.80	25.45	133.91
332	21.94	118.19	4.94	7.63	25.74	133.58
333	22.03	115.10	4.82	7.28	25.97	133.42
334	22.07	113.90	4.80	7.19	25.84	133.01
335	22.12	110.80	4.23	7.10	25.69	132.42
336	22.22	104.79	3.88	7.01	26.01	131.82

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
337	22.30	98.95	3.98	6.93	27.14	131.54
338	22.32	94.66	3.99	6.84	29.31	131.57
339	22.40	85.55	4.19	6.84	31.53	131.59
340	22.44	81.51	4.27	6.84	33.50	131.70
341	22.52	82.07	4.39	7.54	34.28	131.84
342	22.58	82.63	4.50	6.75	34.79	131.97
343	22.66	80.23	4.53	6.75	35.81	131.89
344	22.72	74.47	4.38	6.75	37.85	131.41
345	22.78	63.73	3.99	6.49	40.43	130.45
346	22.86	54.89	3.42	6.49	43.21	129.13
347	22.91	48.27	2.93	6.49	44.84	127.44
348	23.00	42.35	2.24	7.10	46.56	125.78
349	23.06	36.68	1.98	8.68	47.27	124.19
350	23.13	35.56	1.73	9.56	47.76	123.24
351	23.18	35.39	1.63	9.73	45.79	122.69
352	23.27	38.31	1.58	11.05	43.93	122.57
353	23.30	39.77	1.59	11.40	41.75	122.78
354	23.37	42.95	1.67	11.93	40.54	123.27
355	23.44	45.52	1.81	11.93	39.71	123.89
356	23.50	47.16	1.93	11.75	39.50	124.44
357	23.57	48.10	2.02	11.40	39.69	124.80
358	23.64	47.84	2.07	11.40	40.06	125.02
359	23.69	47.76	2.10	11.40	40.23	125.13
360	23.77	48.53	2.11	11.75	40.06	125.19
361	23.83	49.13	2.10	12.01	39.37	125.25
362	23.92	50.85	2.11	12.19	38.75	125.34
363	23.96	51.88	2.14	12.19	37.95	125.59
364	24.05	54.63	2.25	12.37	37.52	125.86
365	24.10	55.32	2.29	12.37	37.09	126.20
366	24.20	57.03	2.39	12.45	37.12	126.44
367	24.24	57.03	2.44	12.54	37.25	126.66
368	24.28	57.03	2.48	12.63	37.53	126.81
369	24.35	57.38	2.54	12.80	37.76	126.93
370	24.42	57.29	2.56	12.72	37.99	126.97
371	24.51	56.60	2.53	12.45	38.13	126.89
372	24.56	56.26	2.48	12.28	38.30	126.74
373	24.62	55.23	2.43	12.28	38.66	126.57
374	24.70	53.60	2.40	12.10	39.27	126.42
375	24.74	52.48	2.38	12.01	40.57	126.23
376	24.84	48.53	2.35	11.75	41.99	126.08
377	24.89	47.24	2.35	11.66	43.75	125.94
378	24.95	45.35	2.35	11.05	44.87	125.86
379	25.02	44.49	2.35	10.87	45.99	125.80
380	25.08	43.46	2.36	10.61	46.36	125.80
381	25.13	44.36	2.37	10.44	46.78	125.92
382	25.22	44.24	2.47	10.26	47.16	126.07
383	25.27	43.63	2.50	10.00	47.88	126.17
384	25.36	43.12	2.50	9.82	48.17	126.13

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
385	25.41	43.29	2.45	9.73	47.92	125.89
386	25.50	42.69	2.28	9.12	47.92	125.50
387	25.56	40.54	2.17	9.12	48.67	125.00
388	25.64	37.88	2.08	9.21	50.17	124.49
389	25.68	35.73	1.97	9.47	50.82	123.99
390	25.73	35.99	1.84	9.56	50.42	123.42
391	25.82	35.47	1.68	9.56	49.47	122.96
392	25.87	35.39	1.64	9.56	50.23	122.55
393	25.97	32.04	1.62	9.56	51.37	122.34
394	26.01	32.04	1.59	9.73	52.54	122.09
395	26.06	31.78	1.53	9.91	51.53	121.82
396	26.14	32.73	1.44	10.09	50.10	121.57
397	26.20	33.84	1.42	9.73	49.62	121.36
398	26.27	31.78	1.41	9.73	50.53	121.20
399	26.34	30.15	1.38	9.73	51.98	120.98
400	26.38	29.98	1.35	9.73	52.36	120.63
401	26.47	29.46	1.25	9.91	51.77	120.32
402	26.51	29.93	1.22	10.00	51.60	120.05
403	26.61	29.12	1.22	10.17	51.39	120.03
404	26.66	29.89	1.23	10.09	51.78	120.03
405	26.71	29.29	1.23	10.09	51.69	120.06
406	26.79	29.46	1.23	10.09	52.40	120.03
407	26.85	28.60	1.23	10.00	52.79	120.05
408	26.93	28.77	1.25	10.09	53.47	120.16
409	26.98	28.86	1.30	10.00	52.85	120.53
410	27.07	31.44	1.38	10.09	51.97	120.82
411	27.17	31.95	1.37	9.91	50.82	120.96
412	27.26	31.95	1.33	9.73	50.79	120.84
413	27.30	31.01	1.32	9.73	50.88	120.04
414	27.40	28.00	1.00	10.00	51.22	119.29
415	27.44	28.00	1.02	10.09	51.65	118.76
416	27.58	28.00	1.12	10.17	52.20	119.10
417	27.63	28.69	1.14	10.09	51.80	119.47
418	27.72	30.41	1.16	10.00	51.75	119.58
419	27.76	28.69	1.17	9.65	51.61	119.68
420	27.84	29.46	1.18	9.47	52.48	119.64
421	27.91	28.77	1.16	9.56	53.24	119.41
422	27.99	26.46	1.09	9.56	55.42	118.97
423	28.04	26.03	1.02	9.73	55.67	118.46
424	28.09	26.37	0.97	9.73	55.32	117.94
425	28.18	25.08	0.89	9.82	53.62	117.55
426	28.22	25.42	0.88	10.00	52.09	117.31
427	28.31	27.92	0.86	10.17	50.15	117.31
428	28.36	28.43	0.86	10.17	47.38	117.63
429	28.46	31.87	0.93	10.00	46.53	118.06
430	28.50	31.69	0.99	10.00	46.11	118.64
431	28.54	32.12	1.05	10.09	46.69	119.03
432	28.64	32.55	1.08	10.35	46.59	119.36

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
433	28.68	33.67	1.11	10.35	46.22	119.65
434	28.78	34.44	1.15	10.35	46.53	119.94
435	28.82	33.50	1.21	10.35	46.88	120.54
436	28.91	36.08	1.37	11.05	46.46	121.06
437	28.95	38.48	1.38	11.05	44.35	121.55
438	29.00	41.74	1.38	11.05	42.31	121.85
439	29.09	43.81	1.46	11.05	42.06	122.15
440	29.15	41.32	1.52	11.49	42.44	122.48
441	29.22	42.86	1.57	12.72	42.50	122.78
442	29.29	45.78	1.62	13.68	40.65	123.07
443	29.34	49.48	1.62	14.12	38.89	123.31
444	29.42	50.94	1.63	13.86	37.92	123.49
445	29.48	51.02	1.69	13.42	38.29	123.73
446	29.56	50.16	1.78	13.07	40.04	123.95
447	29.61	46.38	1.84	12.98	42.49	124.21
448	29.70	44.58	1.95	13.59	44.94	124.39
449	29.75	43.89	2.01	13.59	46.36	124.57
450	29.80	43.46	2.03	13.42	47.00	124.59
451	29.86	42.95	2.00	13.07	47.24	124.59
452	29.93	43.38	2.02	13.37	47.15	124.69
453	30.03	44.58	2.09	13.15	46.97	124.86
454	30.08	44.84	2.10	13.33	46.77	124.97
455	30.14	44.84	2.09	13.59	46.53	124.83
456	30.21	44.41	1.98	13.51	46.20	124.60
457	30.25	44.24	1.92	13.51	45.70	124.23
458	30.35	43.72	1.81	14.21	45.31	123.96
459	30.40	43.81	1.78	14.82	44.91	123.66
460	30.48	43.38	1.71	14.91	44.94	123.42
461	30.53	42.09	1.66	14.64	45.28	123.14
462	30.62	40.97	1.62	14.21	46.12	122.92
463	30.67	39.77	1.61	14.29	46.91	122.85
464	30.72	39.60	1.65	14.21	48.47	122.86
465	30.82	37.11	1.68	13.59	49.81	122.88
466	30.85	36.76	1.67	13.42	51.12	122.80
467	30.92	36.16	1.65	13.15	49.89	121.81
468	31.04	34.36	1.08	13.15	48.69	120.77
469	31.07	33.93	1.12	13.15	47.58	119.77
470	31.13	33.41	1.18	13.15	48.46	119.93
471	31.18	33.33	1.17	13.24	49.06	120.03
472	31.27	33.24	1.18	13.24	49.32	120.09
473	31.32	33.28	1.21	12.98	49.85	120.29
474	31.37	33.28	1.27	13.33	50.82	120.69
475	31.46	33.33	1.38	13.33	51.72	121.01
476	31.50	33.24	1.39	13.24	52.67	121.25
477	31.60	32.64	1.41	13.24	55.32	121.29
478	31.68	31.35	1.43	13.24	56.40	121.30
479	31.78	31.27	1.43	13.24	57.16	121.29
480	31.80	31.27	1.42	13.24	57.02	121.20

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
481	31.87	31.18	1.38	13.42	56.61	121.10
482	31.91	31.69	1.36	13.42	55.71	120.85
483	31.97	31.87	1.27	13.42	52.91	120.47
484	32.06	31.87	1.17	13.33	52.59	120.22
485	32.16	31.27	1.25	13.33	53.04	120.16
486	32.20	30.84	1.26	13.33	55.76	120.31
487	32.24	30.41	1.26	13.33	56.44	120.34
488	32.29	30.15	1.28	13.33	56.33	120.42
489	32.37	31.52	1.29	14.03	55.81	120.53
490	32.42	32.04	1.30	14.29	52.94	120.73
491	32.52	33.67	1.33	14.47	52.17	120.91
492	32.56	34.10	1.36	14.56	51.28	121.14
493	32.62	35.13	1.38	14.64	51.75	121.92
494	32.70	36.93	1.74	15.26	51.11	123.18
495	32.75	42.95	2.06	15.96	46.18	125.79
496	32.84	67.17	3.02	17.54	39.38	128.28
497	32.88	87.96	3.60	18.77	28.82	131.32
498	32.98	159.51	4.67	15.17	21.67	133.49
499	33.03	205.63	5.18	13.33	17.00	135.42
500	33.12	245.49	6.01	15.43	14.80	136.57
501	33.16	270.74	6.35	17.19	13.50	137.28
502	33.21	294.53	6.67	18.68	11.98	137.28
503	33.29	311.28	5.67	14.64	9.78	136.43
504	33.34	313.69	3.53	14.03	7.83	134.84
505	33.41	308.27	3.52	13.42	6.62	133.47
506	33.47	305.78	3.51	13.24	6.88	133.39
507	33.58	294.02	3.49	13.07	7.62	133.59
508	33.62	277.61	3.95	12.89	8.74	134.17
509	33.67	277.87	4.54	10.44	10.21	135.12
510	33.73	274.26	5.25	10.96	10.58	135.37
511	33.81	273.74	4.43	11.22	9.32	134.26
512	33.90	279.24	2.54	11.57	7.39	132.54
513	33.94	284.74	2.66	11.57	5.98	131.30
514	33.99	290.84	2.87	11.66	6.30	132.03
515	34.08	297.88	3.33	11.75	6.81	132.84
516	34.13	297.19	3.65	11.84	7.77	133.85
517	34.20	291.18	4.32	9.03	9.02	134.81
518	34.26	284.48	4.98	10.61	10.53	135.89
519	34.32	283.88	5.79	10.79	11.94	136.88
520	34.38	282.68	6.57	10.79	13.17	137.28
521	34.47	282.33	7.25	10.79	12.99	137.28
522	34.52	283.19	5.37	10.96	10.56	135.76
523	34.61	287.06	2.25	11.05	7.43	132.96
524	34.66	290.41	2.48	11.05	5.52	130.93
525	34.73	292.13	2.90	11.05	6.18	131.90
526	34.80	296.08	3.30	11.57	6.75	132.84
527	34.85	306.30	3.62	11.75	7.66	133.86
528	34.93	295.22	4.36	11.66	8.06	134.98

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
529	34.98	336.53	4.96	11.57	8.71	136.30
530	35.06	348.82	5.95	12.54	8.87	137.28
531	35.12	359.30	6.53	12.10	8.96	137.28
532	35.20	366.77	6.06	12.01	7.58	136.91
533	35.25	367.11	3.41	12.01	5.18	134.41
534	35.30	366.77	1.87	11.93	3.24	131.68
535	35.39	369.95	2.53	11.40	2.91	131.11
536	35.44	366.77	2.82	11.40	3.93	132.51
537	35.53	353.02	3.43	11.14	5.62	133.33
538	35.59	280.36	3.85	11.14	6.90	134.24
539	35.65	335.76	4.29	11.14	8.11	134.95
540	35.71	322.27	4.75	10.70	7.69	135.23
541	35.77	322.02	4.16	10.26	7.88	135.18
542	35.87	321.76	4.26	10.65	7.36	134.85
543	35.91	334.90	4.12	10.00	6.51	134.75
544	36.00	371.58	3.79	10.61	4.93	134.11
545	36.05	400.18	2.97	11.22	3.51	133.42
546	36.09	427.49	2.87	10.35	3.26	134.04
547	36.19	445.79	4.43	12.10	3.54	135.11
548	36.23	453.52	4.43	12.98	3.86	135.86
549	36.31	451.37	4.07	9.73	3.93	136.04
550	36.37	454.21	4.73	10.17	4.10	136.33
551	36.42	458.50	4.95	10.09	4.06	136.35
552	36.51	458.59	4.07	10.26	3.74	135.99
553	36.55	461.94	4.05	9.82	3.74	135.32
554	36.62	402.24	3.97	8.59	3.98	135.33
555	36.69	433.08	4.17	8.33	4.48	135.44
556	36.75	415.81	4.37	8.68	5.81	135.62
557	36.84	295.99	4.68	6.05	6.86	135.93
558	36.88	375.79	4.97	6.84	8.58	136.51
559	36.97	342.89	5.89	7.37	8.46	136.78
560	37.02	321.24	5.12	7.37	8.87	135.71
561	37.09	285.43	3.23	6.67	7.84	133.20
562	37.16	259.49	2.07	6.58	7.13	130.76
563	37.21	240.59	2.42	6.31	9.28	130.81
564	37.30	192.83	3.62	6.05	13.58	132.07
565	37.34	165.78	4.07	6.23	19.15	133.14
566	37.42	147.57	4.68	6.01	23.68	133.63
567	37.48	130.82	5.07	5.96	27.47	134.22
568	37.56	129.61	5.65	6.31	30.02	134.67
569	37.60	128.50	5.92	8.59	31.14	135.16
570	37.67	130.09	6.22	14.29	32.60	135.53
571	37.74	122.66	6.67	15.43	33.67	136.08
572	37.83	130.56	7.37	21.05	32.97	136.00
573	37.87	135.71	5.91	19.91	28.53	134.63
574	37.93	139.58	3.03	19.82	24.10	132.99
575	38.02	147.31	3.91	19.55	20.19	131.43
576	38.06	155.30	3.29	18.33	19.91	132.24

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
577	38.15	166.12	4.01	16.93	18.81	132.70
578	38.20	180.81	4.36	17.19	18.47	134.11
579	38.29	205.29	5.32	150.74	20.93	134.79
580	38.33	138.63	5.60	64.28	20.49	135.74
581	38.39	220.75	6.04	46.13	20.64	136.34
582	38.45	225.90	6.59	34.64	18.66	137.19
583	38.56	218.86	6.98	23.41	19.66	137.28
584	38.60	211.56	7.13	18.85	20.97	137.28
585	38.65	201.77	7.31	16.14	22.83	137.28
586	38.74	185.27	7.84	13.94	23.35	137.13
587	38.79	174.97	5.44	12.37	22.00	135.30
588	38.86	165.78	3.12	13.07	19.57	133.25
589	38.93	166.72	3.98	13.59	18.86	132.91
590	39.01	178.66	4.84	14.64	19.75	134.27
591	39.07	191.20	5.33	15.26	20.21	135.16
592	39.11	186.91	5.60	15.35	21.01	135.69
593	39.17	180.98	6.01	8.95	21.59	136.17
594	39.24	196.61	6.41	9.21	21.94	136.69
595	39.31	198.84	6.81	8.33	21.98	136.95
596	39.40	189.91	6.59	6.67	22.58	136.87
597	39.45	182.10	6.35	6.31	23.11	136.27
598	39.54	168.27	5.60	5.79	23.53	135.67
599	39.59	163.54	5.43	6.31	24.14	134.99
600	39.68	151.52	5.14	5.88	23.31	133.82
601	39.73	148.42	3.42	6.31	22.15	132.56
602	39.82	147.65	3.35	7.45	20.83	131.80
603	39.86	152.55	3.95	7.45	21.29	132.62
604	39.92	163.03	4.56	6.93	21.71	133.63
605	39.96	169.13	4.89	6.93	22.27	134.51
606	40.06	168.95	5.49	21.92	23.04	135.12
607	40.10	168.78	5.81	17.89	23.72	135.80
608	40.19	178.92	6.35	10.52	24.43	136.11
609	40.24	167.15	6.28	8.42	25.55	136.06
610	40.31	149.54	5.92	7.63	27.86	135.25
611	40.38	122.66	5.07	7.19	31.67	134.10
612	40.43	95.60	4.68	7.01	36.79	132.67
613	40.51	77.30	4.12	6.75	42.32	131.44
614	40.57	68.29	3.73	6.97	45.22	130.03
615	40.66	63.22	3.00	6.93	46.13	128.86
616	40.68	60.38	2.77	7.98	46.21	127.69
617	40.75	56.09	2.51	9.56	45.98	126.38
618	40.84	51.79	1.79	10.70	43.77	124.10
619	40.89	48.79	1.00	11.93	42.09	122.22
620	40.97	47.24	1.39	13.24	42.71	121.70
621	41.02	46.04	1.56	14.21	46.74	122.87
622	41.11	44.75	1.73	15.08	49.18	123.40
623	41.17	43.98	1.78	18.42	51.20	123.59
624	41.23	41.92	1.74	21.13	52.51	123.45

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
625	41.31	40.46	1.69	23.06	56.17	123.18
626	41.36	38.74	1.66	24.29	57.56	122.98
627	41.44	37.36	1.67	26.40	59.36	122.98
628	41.50	36.33	1.75	28.06	60.85	123.12
629	41.54	36.33	1.80	29.03	61.50	123.44
630	41.64	37.71	1.89	31.66	61.35	123.76
631	41.69	38.57	1.95	32.36	60.67	124.12
632	41.74	39.94	2.01	33.76	60.33	124.55
633	41.82	41.14	2.19	35.52	59.69	125.02
634	41.87	43.12	2.28	37.62	59.32	125.59
635	41.96	44.67	2.46	40.78	58.94	126.04
636	42.00	45.27	2.55	41.92	58.83	126.58
637	42.10	47.33	2.76	42.71	58.70	127.08
638	42.15	48.87	2.91	42.79	58.40	127.58
639	42.19	50.08	3.03	43.41	56.93	127.73
640	42.28	53.08	2.83	45.86	51.13	127.31
641	42.33	56.69	2.28	47.62	48.74	127.78
642	42.42	62.44	3.36	48.93	46.66	128.79
643	42.47	71.29	3.77	47.70	45.97	130.66
644	42.55	81.17	4.55	47.79	38.36	132.24
645	42.62	128.50	4.95	18.94	33.70	133.43
646	42.67	129.96	5.17	17.01	31.24	134.16
647	42.76	121.28	5.52	19.03	32.64	134.35
648	42.80	118.62	5.50	18.24	34.41	134.39
649	42.86	113.98	5.50	19.12	35.39	134.29
650	42.94	110.55	5.46	20.52	36.13	134.22
651	42.99	110.89	5.45	21.05	36.07	134.26
652	43.08	115.44	5.57	20.43	35.48	134.35
653	43.12	117.93	5.56	20.17	34.19	134.46
654	43.18	124.98	5.48	20.17	32.65	134.41
655	43.27	129.36	5.23	20.08	31.05	134.32
656	43.32	133.05	5.17	18.07	30.14	134.11
657	43.41	130.22	4.96	15.70	30.06	133.89
658	43.45	125.58	4.83	15.43	30.90	133.56
659	43.54	116.64	4.70	15.48	32.33	133.30
660	43.59	110.72	4.71	15.48	33.47	133.14
661	43.67	111.92	4.71	15.52	34.64	133.18
662	43.73	107.37	4.90	16.31	35.54	133.39
663	43.77	107.45	5.19	17.54	36.80	133.79
664	43.85	109.26	5.58	17.10	35.57	134.42
665	43.92	130.39	5.91	16.84	33.40	134.97
666	43.97	140.18	5.97	15.87	30.61	135.38
667	44.05	149.71	5.98	15.52	29.05	135.53
668	44.11	153.66	5.94	14.64	27.96	135.57
669	44.19	155.90	5.86	14.29	27.31	135.48
670	44.25	156.41	5.68	14.12	26.75	135.31
671	44.29	157.19	5.51	13.86	25.93	135.07
672	44.38	160.97	5.24	13.51	25.15	134.85

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
673	44.43	162.25	5.13	13.33	24.15	134.64
674	44.52	166.81	4.97	12.98	23.50	134.50
675	44.57	167.58	4.87	12.98	22.85	134.34
676	44.63	168.35	4.74	13.15	22.53	134.19
677	44.71	168.35	4.68	13.15	22.45	134.10
678	44.76	166.38	4.71	13.24	22.61	134.03
679	44.84	163.71	4.65	13.15	23.02	134.01
680	44.89	161.40	4.71	12.98	23.57	133.94
681	44.98	155.47	4.67	12.80	24.36	133.96
682	45.03	152.46	4.80	12.63	26.20	134.05
683	45.12	137.60	5.14	12.37	28.36	134.11
684	45.17	129.36	5.09	12.19	32.11	133.95
685	45.22	106.85	5.03	11.84	36.18	133.36
686	45.31	88.81	4.64	11.31	40.82	132.56
687	45.35	82.03	4.27	11.31	45.30	131.36
688	45.45	63.82	3.60	14.03	48.74	130.36
689	45.48	60.64	3.51	14.91	56.17	129.36
690	45.62	52.05	3.35	19.03	59.22	128.92
691	45.63	49.56	3.28	20.61	60.79	128.49
692	45.68	52.01	3.10	23.15	59.72	127.93
693	45.76	49.73	2.65	84.97	56.90	127.24
694	45.85	51.97	2.41	76.64	55.37	126.46
695	45.90	49.90	2.30	78.75	55.40	125.93
696	45.95	45.18	2.19	106.81	57.04	125.35
697	46.04	42.26	2.02	112.60	58.99	124.66
698	46.09	39.60	1.86	104.62	59.61	123.81
699	46.16	38.14	1.63	112.60	59.93	123.08
700	46.22	37.19	1.56	107.51	59.38	122.60
701	46.28	38.09	1.57	112.60	59.47	122.54
702	46.36	37.54	1.59	120.23	59.24	122.62
703	46.40	38.05	1.60	123.47	58.61	122.73
704	46.49	40.03	1.61	128.03	57.47	122.83
705	46.54	40.97	1.62	127.33	52.38	122.66
706	46.60	43.29	1.42	129.87	49.32	122.38
707	46.68	46.13	1.36	133.64	47.86	122.72
708	46.74	47.50	1.76	131.01	48.80	123.74
709	46.82	48.19	2.04	116.72	50.60	124.83
710	46.87	49.39	2.15	114.18	51.76	125.38
711	46.92	48.70	2.21	112.16	48.91	125.80
712	47.00	61.41	2.25	58.14	48.09	126.09
713	47.09	55.57	2.35	62.88	47.07	126.25
714	47.13	54.54	2.29	66.38	48.37	126.10
715	47.19	55.32	2.19	74.19	47.46	125.88
716	47.27	56.60	2.12	77.17	46.30	125.72
717	47.31	57.29	2.11	73.22	46.42	125.50
718	47.41	53.08	2.02	68.58	47.47	125.24
719	47.45	50.94	1.98	72.26	50.30	124.90
720	47.55	45.44	1.97	79.89	55.58	124.68

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
721	47.60	43.72	1.97	85.15	58.02	124.29
722	47.69	41.32	1.80	79.89	59.59	123.66
723	47.74	37.45	1.61	77.70	60.75	122.77
724	47.78	35.82	1.46	78.92	61.87	121.86
725	47.84	33.84	1.32	80.77	62.23	121.00
726	47.92	32.21	1.18	86.38	62.25	120.07
727	47.97	31.09	1.04	96.81	61.23	119.17
728	48.06	31.44	0.94	98.30	60.08	118.61
729	48.11	31.78	0.95	99.18	59.21	118.43
730	48.19	31.95	0.96	101.90	59.00	118.52
731	48.24	32.30	0.96	102.78	58.64	118.71
732	48.33	33.33	1.01	105.93	58.33	118.96
733	48.37	33.76	1.05	107.42	58.05	119.38
734	48.43	34.87	1.12	109.88	57.85	119.74
735	48.51	35.56	1.15	112.33	57.59	120.03
736	48.56	35.82	1.16	114.97	57.39	120.28
737	48.65	36.59	1.21	116.46	57.45	120.51
738	48.70	36.68	1.24	116.54	57.65	120.71
739	48.79	36.33	1.25	123.47	57.77	120.75
740	48.83	36.51	1.23	126.02	57.47	120.73
741	48.88	37.19	1.23	127.77	56.78	120.76
742	48.98	38.05	1.24	131.72	56.63	120.96
743	49.02	38.05	1.32	131.45	57.59	121.52
744	49.11	37.97	1.52	134.61	59.51	122.25
745	49.18	37.45	1.67	155.22	60.01	122.95
746	49.23	40.63	1.74	160.83	59.58	123.49
747	49.32	41.92	1.83	167.41	58.31	123.88
748	49.36	43.12	1.87	167.76	57.75	124.15
749	49.41	43.89	1.89	168.63	56.66	124.32
750	49.50	46.13	1.91	173.10	55.66	124.37
751	49.55	46.47	1.87	173.10	55.74	124.78
752	49.69	46.47	2.18	181.17	56.55	125.16
753	49.70	46.47	2.22	189.33	57.47	125.73
754	49.74	47.67	2.36	198.27	56.10	126.14
755	49.82	53.60	2.45	205.73	54.31	126.54
756	49.87	55.92	2.47	189.68	53.14	126.73
757	49.96	55.32	2.46	74.89	48.11	123.68
758	50.02	48.70	0.00	62.17	41.66	118.36
759	50.10	43.12	0.00	73.31	N/A	87.36
760	50.14	40.89	0.00	81.73	N/A	87.36
761	50.24	37.71	0.00	97.86	N/A	87.36
762	50.28	37.97	0.00	101.46	N/A	87.36
763	50.34	35.39	0.00	104.62	N/A	87.36

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)

Abbreviations

Depth:	Depth from free surface, at which CPT was performed (ft)
q_c:	Measured cone resistance (tsf)
f_s:	Sleeve friction resistance (tsf)
u:	Pore pressure (tsf)
Fines content:	Percentage of fines in soil (%)
Unit weight:	Bulk soil unit weight (pcf)

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Rancho Cucamonga, CA 91730
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LIQUEFACTION ANALYSIS REPORT

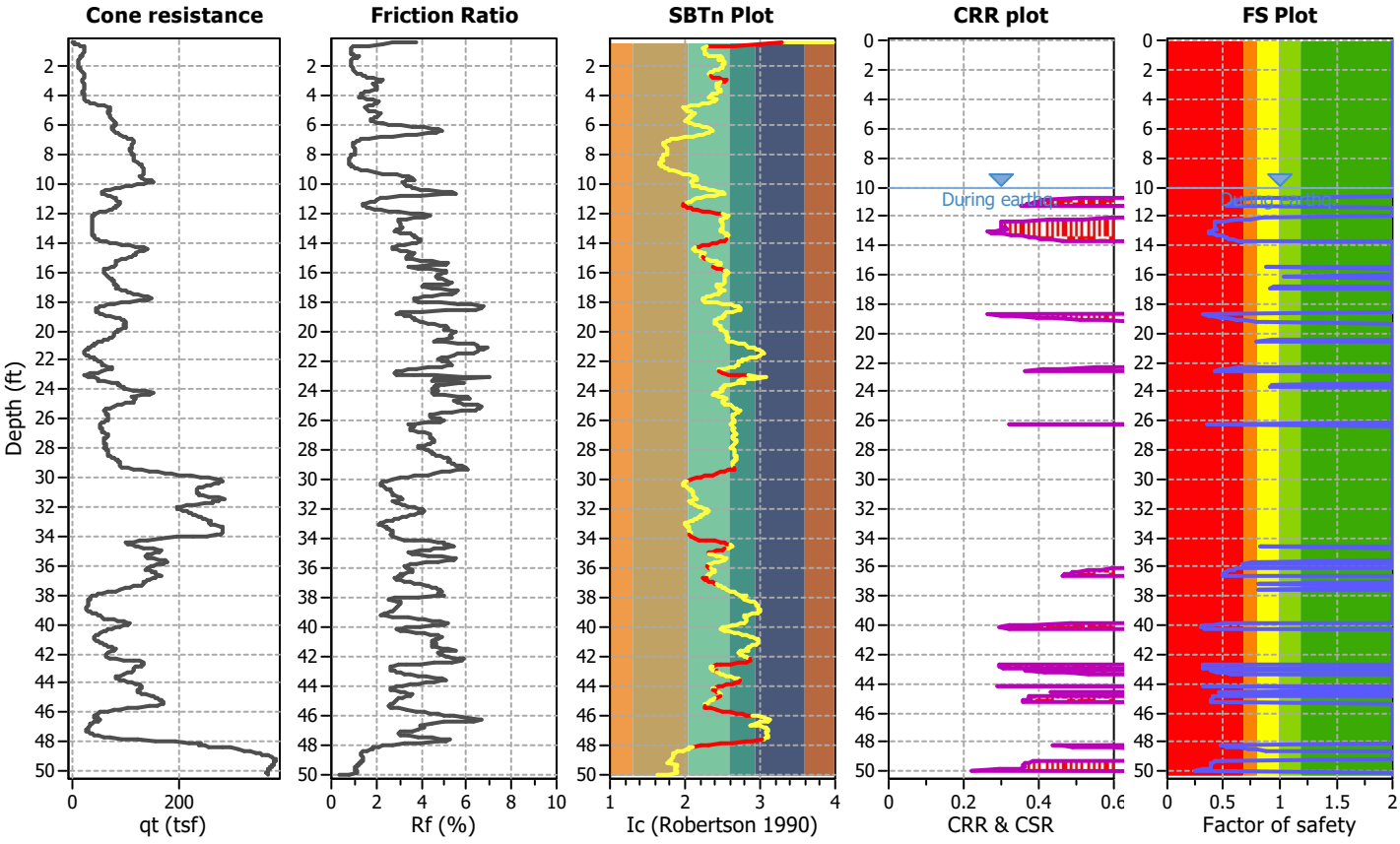
Project title : Centennial High School

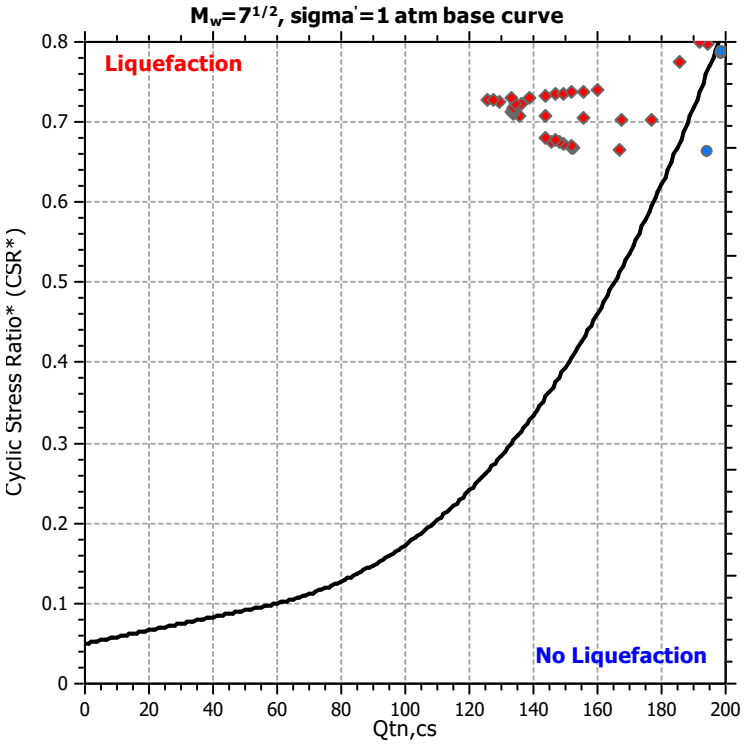
Location : 2606 N. Central Ave, Compton, CA 90222

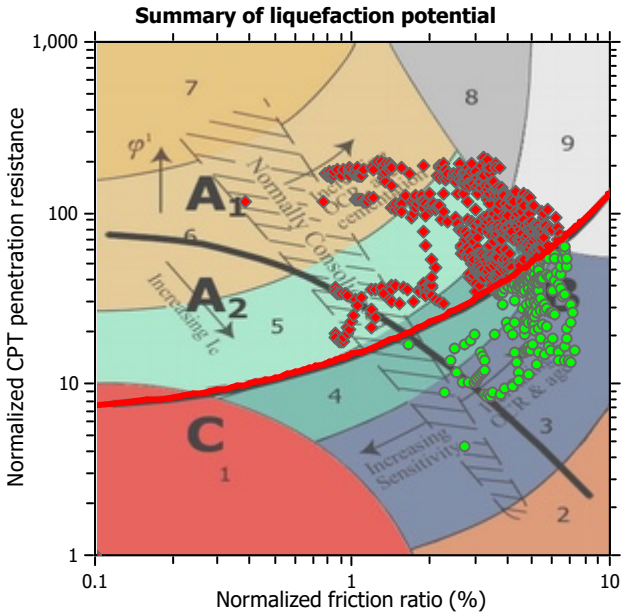
CPT file : CPT-13

Input parameters and analysis data

Analysis method:	NCEER (1998)	G.W.T. (in-situ):	50.00 ft	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	NCEER (1998)	G.W.T. (earthq.):	10.00 ft	Fill height:	N/A	Limit depth applied:	No
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	N/A
Earthquake magnitude M_w:	7.30	Ic cut-off value:	2.60	Trans. detect. applied:	Yes	MSF method:	Method based
Peak ground acceleration:	0.83	Unit weight calculation:	Based on SBT	K_σ applied:	Yes		

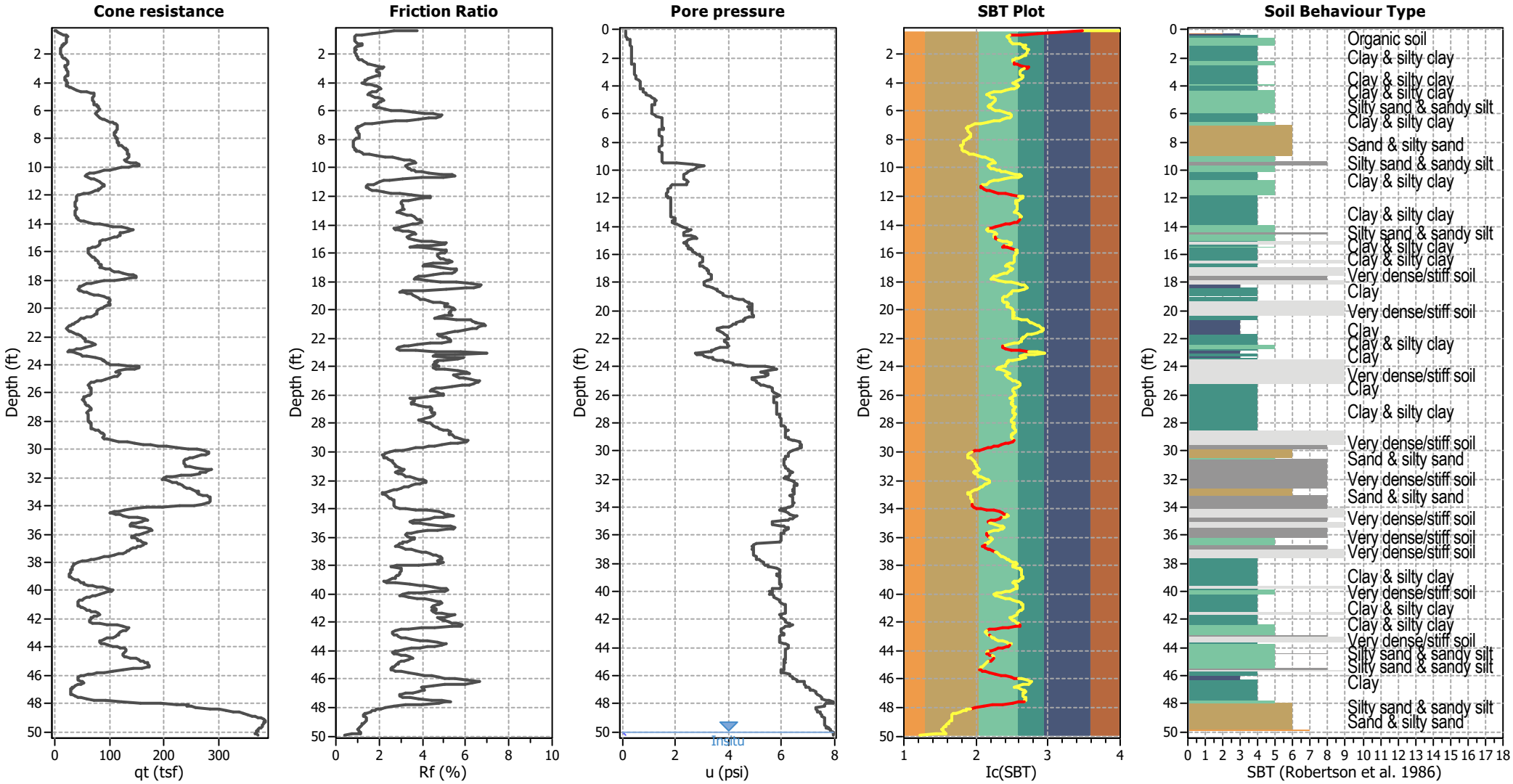






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and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

CPT basic interpretation plots



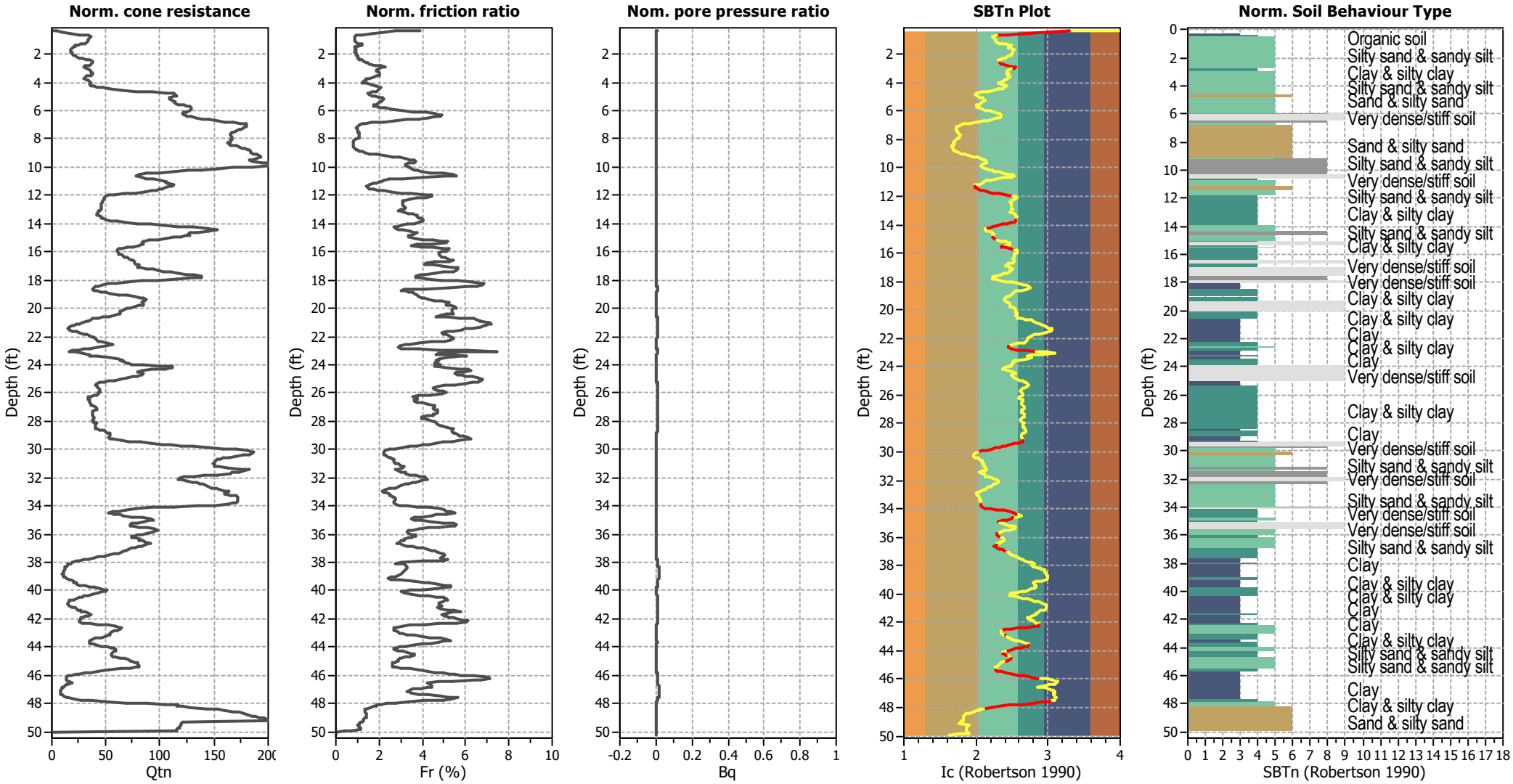
Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	7.30	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.83	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	50.00 ft	Fill height:	N/A	Limit depth:	N/A

SBT legend

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

CPT basic interpretation plots (normalized)



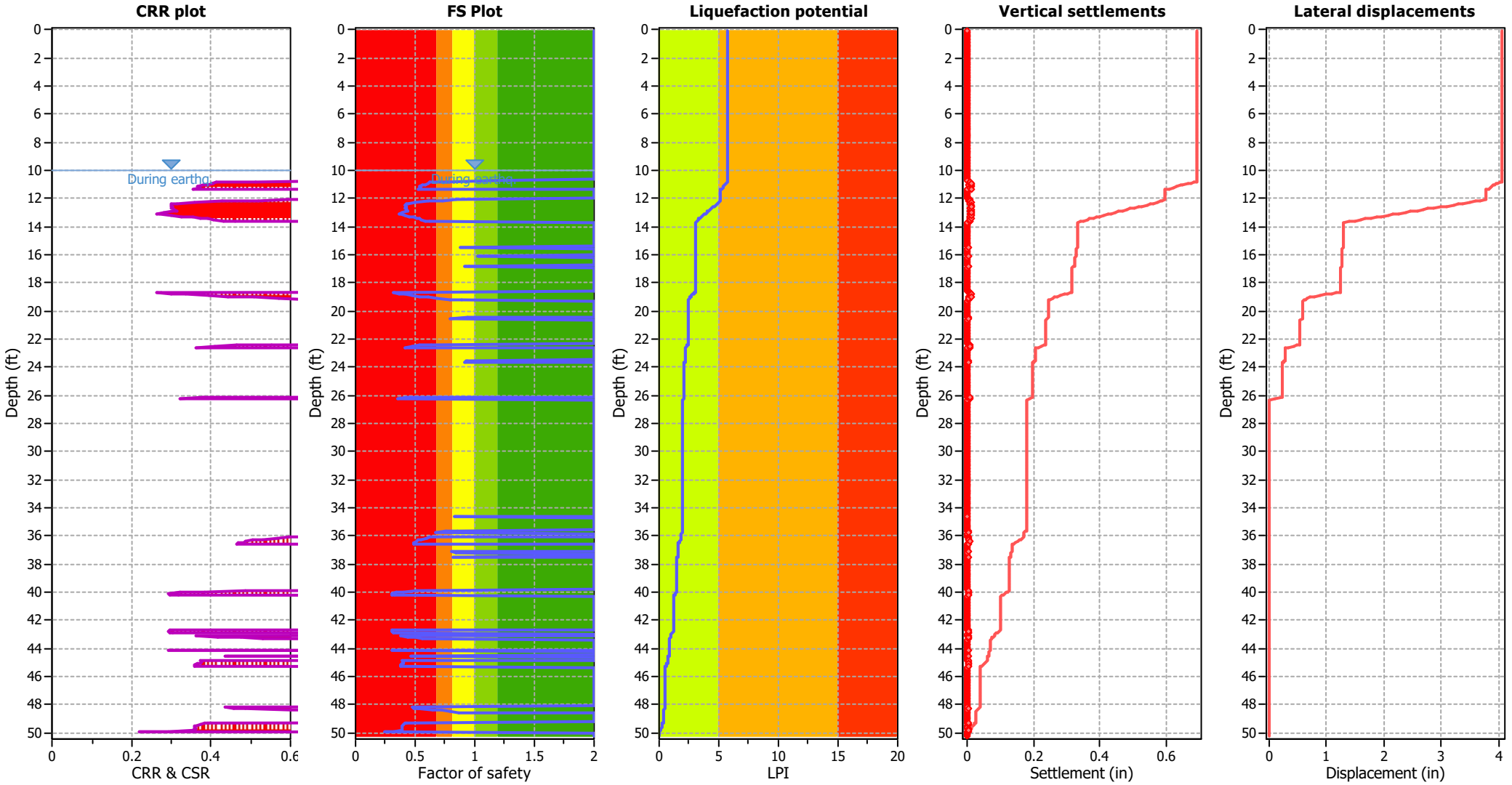
Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	7.30	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.83	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	50.00 ft	Fill height:	N/A	Limit depth:	N/A

SBTn legend

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

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	7.30	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.83	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	50.00 ft	Fill height:	N/A	Limit depth:	N/A

F.S. color scheme

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

LPI color scheme

- Very high risk
- High risk
- Low risk

:: Field input data ::

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
1	0.08	-0.09	0.00	0.09	N/A	120.90
2	0.15	-0.09	0.00	0.09	N/A	120.90
3	0.21	-0.09	0.00	0.09	N/A	120.90
4	0.30	-0.09	0.00	0.09	N/A	120.90
5	0.34	0.00	0.01	0.09	100.00	87.36
6	0.39	1.71	0.05	0.09	80.11	93.45
7	0.49	6.30	0.16	0.09	56.82	99.43
8	0.54	8.74	0.18	0.09	38.73	103.30
9	0.60	16.57	0.19	0.17	27.69	104.94
10	0.67	23.05	0.20	0.17	21.75	105.90
11	0.73	23.69	0.20	0.26	19.97	106.05
12	0.79	21.97	0.19	0.26	20.21	105.72
13	0.87	21.34	0.18	0.26	20.79	105.44
14	0.94	21.25	0.19	0.26	21.14	105.36
15	1.03	20.80	0.19	0.26	21.34	105.41
16	1.08	20.98	0.19	0.26	21.50	105.43
17	1.12	20.89	0.19	0.26	22.22	105.66
18	1.23	19.63	0.21	0.34	23.37	105.77
19	1.26	18.55	0.20	0.34	26.94	105.42
20	1.32	12.70	0.19	0.34	29.07	104.60
21	1.38	14.23	0.16	0.34	30.62	103.14
22	1.47	13.42	0.12	0.34	28.59	101.53
23	1.52	12.61	0.10	0.34	28.89	99.93
24	1.58	11.17	0.10	0.34	30.13	99.34
25	1.66	10.99	0.10	0.34	31.45	99.26
26	1.71	10.99	0.10	0.34	31.63	99.27
27	1.78	10.99	0.10	0.34	31.39	99.20
28	1.87	11.17	0.10	0.34	31.20	99.24
29	1.92	11.26	0.10	0.34	30.96	99.55
30	2.01	11.71	0.11	0.34	30.68	99.99
31	2.04	12.16	0.12	0.34	29.96	100.80
32	2.12	13.42	0.13	0.34	29.30	101.47
33	2.17	13.69	0.14	0.34	27.89	102.48
34	2.26	16.03	0.16	0.34	26.51	103.47
35	2.31	17.65	0.18	0.34	24.82	105.06
36	2.41	20.53	0.23	0.34	23.74	106.31
37	2.43	21.70	0.24	0.34	23.20	107.98
38	2.51	23.96	0.31	0.43	23.35	109.13
39	2.60	23.96	0.34	0.43	23.87	109.96
40	2.65	23.23	0.34	0.43	24.44	110.15
41	2.70	23.14	0.34	0.43	25.43	110.40
42	2.77	22.33	0.39	0.43	27.90	110.95
43	2.85	19.36	0.45	0.43	30.87	111.02
44	2.90	17.38	0.39	0.43	32.69	111.02
45	2.96	19.09	0.41	0.43	31.90	110.86
46	3.05	20.26	0.42	0.43	30.00	111.17
47	3.10	21.88	0.41	0.43	28.10	111.41
48	3.17	23.87	0.42	0.43	27.41	111.63

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
49	3.24	22.60	0.44	0.51	27.52	111.90
50	3.29	22.60	0.46	0.51	28.11	112.20
51	3.36	23.60	0.48	0.51	27.72	112.47
52	3.44	24.50	0.48	0.51	27.60	112.48
53	3.49	22.96	0.46	0.51	28.24	112.00
54	3.55	20.35	0.41	0.60	29.15	110.73
55	3.63	18.28	0.30	0.60	28.97	109.33
56	3.69	19.09	0.28	0.69	28.05	108.14
57	3.78	18.73	0.27	0.69	26.87	107.94
58	3.83	20.08	0.27	0.69	26.23	108.08
59	3.87	20.80	0.28	0.69	24.83	108.35
60	3.98	22.69	0.28	0.69	23.97	108.55
61	4.03	22.78	0.28	0.69	23.20	108.46
62	4.08	22.51	0.27	0.69	24.70	109.50
63	4.18	22.33	0.41	0.69	26.21	110.36
64	4.22	22.06	0.40	0.77	27.25	111.25
65	4.28	23.14	0.40	0.77	26.62	112.24
66	4.37	27.47	0.55	0.77	26.31	113.50
67	4.41	27.92	0.62	0.77	25.03	115.01
68	4.47	33.68	0.68	0.77	23.01	116.00
69	4.53	39.62	0.73	0.86	20.50	117.34
70	4.61	46.83	0.89	0.86	18.15	119.03
71	4.67	59.17	1.10	0.86	15.41	120.02
72	4.75	68.17	0.94	1.03	13.36	120.50
73	4.80	70.60	0.96	1.11	12.54	120.89
74	4.86	72.32	1.20	1.11	12.81	121.43
75	4.95	71.87	1.16	1.20	13.47	122.07
76	5.00	71.41	1.26	1.20	14.19	122.36
77	5.06	68.44	1.37	1.29	15.29	122.84
78	5.12	66.91	1.45	1.20	16.20	123.28
79	5.20	68.26	1.53	1.20	16.38	123.53
80	5.25	69.88	1.51	1.20	16.01	123.59
81	5.34	71.15	1.46	1.20	15.47	123.46
82	5.38	71.78	1.43	1.11	15.29	123.22
83	5.45	68.62	1.38	1.11	14.78	123.04
84	5.54	74.03	1.34	1.11	14.22	122.91
85	5.59	75.92	1.33	1.11	13.40	122.92
86	5.64	77.81	1.33	1.11	13.25	123.22
87	5.74	79.97	1.47	1.11	13.48	123.75
88	5.79	80.69	1.61	1.11	14.09	124.45
89	5.84	80.78	1.75	1.11	15.22	125.40
90	5.94	81.05	2.13	1.11	16.50	126.35
91	5.99	80.96	2.36	1.11	18.43	127.49
92	6.08	78.26	2.84	1.20	20.48	128.41
93	6.13	75.29	3.17	1.20	22.50	129.20
94	6.18	74.93	3.39	1.29	23.82	129.78
95	6.27	76.01	3.65	1.46	24.45	130.23
96	6.32	76.91	3.79	1.46	24.65	130.55

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
97	6.38	78.08	3.82	1.46	24.28	130.63
98	6.46	80.33	3.71	1.46	23.51	130.59
99	6.50	82.94	3.64	1.46	22.14	130.33
100	6.57	86.27	3.31	1.46	20.26	129.88
101	6.67	91.32	2.94	1.46	18.19	129.31
102	6.71	95.37	2.75	1.46	15.85	128.46
103	6.77	99.51	2.20	1.46	13.19	127.22
104	6.87	105.46	1.60	1.46	10.55	125.74
105	6.92	110.23	1.46	1.46	8.66	124.55
106	6.97	112.30	1.35	1.46	7.67	123.99
107	7.06	115.36	1.24	1.54	7.14	123.52
108	7.10	114.96	1.19	1.54	6.73	123.07
109	7.16	114.55	1.12	1.37	6.55	122.79
110	7.23	115.18	1.10	1.37	6.47	122.59
111	7.29	113.74	1.10	1.37	6.54	122.54
112	7.38	112.57	1.11	1.37	6.68	122.54
113	7.42	112.30	1.11	1.37	6.89	122.61
114	7.52	110.14	1.15	1.37	7.15	122.71
115	7.58	108.97	1.16	1.37	7.43	122.81
116	7.63	108.25	1.18	1.46	7.57	122.86
117	7.68	108.25	1.18	1.46	7.60	122.90
118	7.76	109.42	1.18	1.46	7.56	122.93
119	7.83	110.68	1.18	1.46	7.45	123.00
120	7.91	112.93	1.20	1.46	7.30	122.99
121	7.96	113.74	1.16	1.46	6.85	122.54
122	8.01	113.92	0.96	1.46	6.42	121.99
123	8.09	114.01	0.95	1.46	6.07	121.51
124	8.16	115.00	0.96	1.46	6.03	121.51
125	8.21	115.81	0.96	1.46	5.98	121.51
126	8.30	116.08	0.95	1.46	6.08	121.41
127	8.36	111.13	0.93	1.37	5.94	121.36
128	8.43	119.42	0.93	1.37	5.78	121.39
129	8.47	121.94	0.95	1.37	5.50	121.66
130	8.54	125.09	1.00	1.37	5.57	122.11
131	8.64	127.61	1.08	1.37	5.69	122.62
132	8.69	130.13	1.14	1.37	5.84	123.09
133	8.74	131.30	1.19	1.46	5.99	123.49
134	8.79	132.20	1.26	1.46	6.30	124.02
135	8.87	133.37	1.40	1.46	6.68	124.58
136	8.93	133.46	1.49	1.46	7.41	125.48
137	9.04	132.92	1.81	1.46	8.13	126.26
138	9.06	133.01	1.93	1.46	9.33	127.52
139	9.13	133.01	2.48	1.46	10.78	129.03
140	9.22	136.26	3.21	1.46	12.27	130.45
141	9.28	136.62	3.53	1.46	13.50	131.49
142	9.33	134.45	3.87	1.46	14.69	132.17
143	9.41	130.67	4.29	1.46	15.75	132.67
144	9.47	130.13	4.43	1.54	16.66	133.01

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
145	9.52	127.25	4.56	2.06	17.36	133.26
146	9.61	125.36	4.81	2.66	17.56	133.61
147	9.67	136.44	5.01	3.09	16.85	133.97
148	9.72	150.76	5.00	3.09	15.61	134.20
149	9.82	157.69	4.91	2.83	14.97	134.24
150	9.87	152.83	4.91	2.74	14.98	134.16
151	9.91	148.77	4.86	2.74	15.67	133.76
152	10.01	131.12	4.41	2.66	16.36	133.26
153	10.04	125.81	4.25	2.57	17.40	132.46
154	10.12	109.87	3.87	2.49	18.42	131.75
155	10.18	99.60	3.61	2.40	19.72	130.90
156	10.26	90.87	3.34	2.40	20.93	130.19
157	10.31	83.03	3.19	2.31	22.74	129.53
158	10.39	70.42	3.08	2.31	25.24	129.02
159	10.45	62.41	3.07	2.31	28.48	128.62
160	10.50	55.57	3.11	2.31	30.84	128.39
161	10.60	54.12	3.06	2.31	31.69	128.23
162	10.65	56.65	2.97	2.31	29.98	127.77
163	10.70	60.16	2.49	2.40	26.13	126.79
164	10.79	66.55	1.82	2.49	22.29	125.67
165	10.85	71.24	1.78	2.49	19.16	124.92
166	10.90	77.45	1.74	2.40	17.33	124.94
167	10.99	85.10	1.69	2.40	15.97	124.94
168	11.03	87.18	1.67	2.40	16.01	124.69
169	11.10	73.58	1.59	1.89	15.26	124.43
170	11.16	90.60	1.48	1.80	14.40	123.97
171	11.23	91.50	1.36	1.80	12.79	123.56
172	11.31	89.88	1.26	1.71	12.51	123.09
173	11.37	87.99	1.24	1.71	12.57	122.78
174	11.43	86.27	1.22	1.71	13.07	122.74
175	11.51	82.49	1.28	1.71	13.82	122.87
176	11.56	80.60	1.35	1.71	14.92	123.29
177	11.62	78.80	1.49	1.63	16.16	123.84
178	11.70	76.19	1.64	1.63	18.00	124.39
179	11.77	69.25	1.78	1.63	20.19	124.73
180	11.83	63.40	1.84	1.63	23.29	124.77
181	11.91	52.86	1.88	1.71	26.91	124.56
182	11.96	44.85	1.88	1.71	30.85	124.21
183	12.01	40.98	1.85	1.80	33.40	123.75
184	12.11	39.08	1.73	1.80	34.25	123.25
185	12.15	38.54	1.61	1.80	33.64	122.64
186	12.21	39.04	1.46	1.80	32.31	121.85
187	12.29	38.63	1.24	1.80	30.89	121.11
188	12.35	38.99	1.19	1.80	29.93	120.51
189	12.40	38.90	1.16	1.80	29.73	120.33
190	12.48	38.36	1.16	1.80	29.93	120.24
191	12.55	37.91	1.16	1.80	30.25	120.21
192	12.63	37.73	1.16	1.80	30.45	120.20

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
193	12.69	37.82	1.16	1.80	30.49	120.21
194	12.74	38.00	1.16	1.80	30.48	120.28
195	12.82	38.36	1.18	1.80	30.60	120.42
196	12.89	38.54	1.22	1.80	30.82	120.58
197	12.95	38.50	1.23	1.80	30.54	120.44
198	13.03	38.63	1.11	1.80	29.97	120.06
199	13.09	38.45	1.04	1.80	29.69	119.69
200	13.15	37.37	1.08	1.80	30.37	119.68
201	13.22	36.29	1.13	1.80	31.65	120.01
202	13.29	36.20	1.21	1.80	32.68	120.38
203	13.34	36.34	1.26	1.80	33.43	120.77
204	13.41	36.38	1.33	1.97	33.77	121.09
205	13.46	37.28	1.37	1.97	33.58	121.49
206	13.53	39.62	1.44	1.97	33.11	121.95
207	13.59	41.34	1.54	1.89	33.15	122.42
208	13.66	40.53	1.61	1.97	33.33	122.85
209	13.72	42.24	1.69	1.89	32.84	123.52
210	13.81	48.36	1.90	1.97	31.61	124.33
211	13.87	52.50	2.06	2.06	29.89	125.46
212	13.93	60.79	2.36	2.14	27.71	126.56
213	13.99	72.41	2.60	2.14	25.33	127.58
214	14.06	81.50	2.74	2.23	22.73	128.31
215	14.11	93.39	2.78	2.40	20.24	129.00
216	14.21	109.69	2.99	2.49	18.28	129.63
217	14.25	118.42	3.13	2.57	16.89	130.55
218	14.31	134.09	3.58	2.49	16.35	131.63
219	14.39	145.53	4.19	2.40	16.41	132.65
220	14.46	144.90	4.49	2.31	17.10	133.27
221	14.51	138.60	4.62	2.31	18.55	133.34
222	14.60	121.67	4.57	2.31	20.08	133.16
223	14.65	116.44	4.49	2.31	20.85	132.88
224	14.70	120.99	4.32	2.57	20.45	132.56
225	14.80	120.32	4.02	2.74	19.79	132.24
226	14.85	119.06	3.90	2.83	19.72	131.82
227	14.91	112.75	3.73	2.66	20.12	131.47
228	14.99	107.44	3.61	2.49	20.79	131.15
229	15.03	104.11	3.59	2.40	22.28	130.99
230	15.13	91.59	3.72	2.31	24.36	130.93
231	15.16	84.74	3.81	2.40	26.81	130.98
232	15.22	82.31	3.98	2.31	28.56	131.14
233	15.29	79.70	4.15	2.40	29.58	131.47
234	15.38	82.27	4.41	2.40	29.45	131.33
235	15.44	81.59	3.76	2.49	27.30	130.37
236	15.49	82.22	2.59	2.49	25.39	129.08
237	15.57	78.98	2.72	2.57	24.73	128.25
238	15.63	75.29	2.86	2.49	27.05	128.57
239	15.72	68.62	3.12	2.66	29.71	128.73
240	15.77	62.86	3.14	2.66	32.16	128.80

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
241	15.82	61.33	3.16	2.66	33.66	128.65
242	15.91	58.81	3.10	2.74	33.78	128.54
243	15.96	61.24	3.02	2.83	33.65	128.30
244	16.02	59.62	2.89	2.91	32.97	128.17
245	16.08	61.15	2.89	2.91	32.42	128.10
246	16.15	63.67	2.90	2.91	32.08	128.23
247	16.22	63.31	2.99	3.00	31.72	128.56
248	16.32	67.36	3.20	3.00	31.63	128.96
249	16.36	69.34	3.31	3.00	31.40	129.37
250	16.41	70.06	3.43	3.00	31.43	129.85
251	16.50	73.58	3.77	3.00	31.66	130.36
252	16.55	75.11	3.98	3.00	31.67	130.86
253	16.61	77.18	4.09	2.91	31.73	131.24
254	16.70	78.89	4.31	2.91	31.05	131.20
255	16.75	79.79	3.83	2.91	28.90	130.31
256	16.81	80.15	2.65	2.91	27.54	129.70
257	16.89	80.51	3.42	3.00	27.09	129.67
258	16.95	83.30	3.74	3.09	28.12	130.71
259	17.01	88.08	4.03	3.17	29.28	131.42
260	17.10	82.67	4.53	3.17	30.88	131.93
261	17.13	79.34	4.70	3.26	31.29	132.60
262	17.20	95.82	5.15	3.26	30.48	133.24
263	17.26	100.50	5.49	3.26	29.44	133.98
264	17.34	102.66	5.89	3.26	28.94	134.45
265	17.40	110.50	5.97	3.26	28.00	134.72
266	17.47	116.08	5.83	3.34	26.08	134.76
267	17.53	125.63	5.59	3.34	24.21	134.68
268	17.59	132.56	5.44	3.34	22.24	134.70
269	17.67	144.63	5.47	3.34	20.90	134.79
270	17.73	149.76	5.48	3.34	19.99	134.91
271	17.81	152.02	5.46	3.34	19.90	134.90
272	17.88	146.70	5.43	3.17	21.03	134.71
273	17.93	125.36	5.35	3.09	23.36	134.34
274	18.00	107.98	5.24	3.09	26.98	133.82
275	18.07	91.05	5.13	3.09	31.11	133.22
276	18.13	75.29	4.96	3.09	35.05	132.36
277	18.22	65.47	4.33	3.09	38.34	131.41
278	18.27	59.26	4.01	3.17	40.33	130.38
279	18.32	53.67	3.66	3.26	41.89	129.29
280	18.42	47.64	3.04	3.43	42.75	128.08
281	18.49	45.12	2.66	3.52	43.01	126.97
282	18.52	43.59	2.54	3.60	40.68	125.46
283	18.61	43.63	1.57	3.60	37.01	123.55
284	18.65	43.63	1.13	3.69	33.13	121.60
285	18.71	43.68	1.31	3.69	32.18	121.56
286	18.77	47.19	1.51	3.77	31.94	122.78
287	18.85	54.21	1.73	3.77	31.45	123.88
288	18.90	55.48	1.91	3.77	30.95	125.18

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
289	19.00	62.05	2.33	3.94	30.16	126.30
290	19.04	70.51	2.51	4.11	28.74	127.74
291	19.10	81.41	3.03	4.20	27.28	129.00
292	19.17	90.24	3.43	4.37	26.50	130.14
293	19.23	95.01	3.70	4.54	26.12	130.98
294	19.30	99.33	4.01	4.63	26.24	131.66
295	19.39	101.58	4.36	4.71	26.68	132.22
296	19.44	101.49	4.56	4.80	27.48	132.64
297	19.49	99.78	4.77	4.80	28.60	132.96
298	19.56	97.17	5.05	4.89	29.72	133.21
299	19.62	96.09	5.15	4.89	29.76	133.38
300	19.70	102.94	5.08	4.89	29.31	133.40
301	19.77	102.03	5.00	4.71	29.27	133.34
302	19.82	95.55	5.02	4.89	30.42	133.18
303	19.91	89.88	4.99	4.80	31.74	132.97
304	19.98	87.63	4.82	4.89	32.52	132.64
305	20.02	84.11	4.57	4.89	32.74	132.14
306	20.11	80.33	4.20	4.89	33.12	131.63
307	20.16	77.54	4.09	4.89	33.44	131.25
308	20.22	76.46	4.04	4.89	33.70	131.14
309	20.32	77.36	4.08	4.97	33.71	131.14
310	20.36	77.81	4.09	4.97	33.98	131.24
311	20.41	76.28	4.21	4.97	33.45	130.55
312	20.49	71.32	3.07	4.80	33.52	129.56
313	20.57	64.48	2.84	4.63	33.97	128.47
314	20.61	60.61	3.04	4.63	37.14	128.20
315	20.70	52.23	3.05	4.54	40.33	128.11
316	20.74	49.71	2.99	4.54	44.58	127.65
317	20.80	40.71	2.86	4.46	45.68	127.30
318	20.87	46.02	2.77	4.29	47.55	126.87
319	20.95	40.80	2.67	4.29	48.09	126.55
320	21.00	37.10	2.59	4.20	51.35	125.92
321	21.07	33.41	2.37	4.11	53.67	125.09
322	21.14	30.71	2.07	4.03	55.57	124.07
323	21.21	28.73	1.85	3.77	57.23	122.97
324	21.27	25.13	1.66	3.60	59.68	121.76
325	21.35	21.61	1.41	3.60	61.72	120.56
326	21.41	21.34	1.25	3.60	61.91	119.57
327	21.48	21.52	1.19	3.69	60.46	119.35
328	21.56	22.78	1.27	3.77	58.94	119.54
329	21.61	24.14	1.29	3.77	55.20	120.27
330	21.67	29.90	1.42	3.86	50.04	121.37
331	21.76	35.93	1.68	3.94	46.42	122.60
332	21.81	38.63	1.84	3.94	44.37	123.84
333	21.88	42.87	2.11	3.94	43.22	124.94
334	21.96	47.10	2.40	3.94	42.31	125.94
335	22.01	49.35	2.58	3.94	41.60	126.66
336	22.05	51.42	2.69	4.03	41.06	127.16

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
337	22.12	53.67	2.84	3.86	40.64	127.61
338	22.20	55.29	2.98	3.86	40.41	127.86
339	22.25	54.93	2.92	3.86	39.81	127.81
340	22.34	55.84	2.75	3.94	38.46	127.59
341	22.38	59.17	2.66	3.94	35.29	127.45
342	22.44	68.53	2.56	3.94	31.53	127.47
343	22.53	76.91	2.48	4.03	28.86	127.53
344	22.58	77.45	2.51	3.94	28.07	126.94
345	22.64	66.64	2.00	3.69	28.21	125.25
346	22.74	55.84	1.23	3.52	30.56	123.38
347	22.84	45.39	1.48	3.43	33.92	122.13
348	22.85	41.16	1.48	3.34	40.45	122.15
349	22.94	33.41	1.49	3.34	47.69	121.87
350	22.97	25.13	1.58	3.26	57.27	121.63
351	23.04	23.05	1.64	2.74	64.87	121.60
352	23.12	22.24	1.70	2.83	52.92	122.49
353	23.18	47.19	1.74	3.00	44.04	123.87
354	23.27	52.05	2.15	3.09	40.75	125.30
355	23.32	43.50	2.56	3.26	42.83	126.58
356	23.38	50.52	2.92	3.43	44.75	127.61
357	23.43	54.21	3.26	3.43	40.99	129.00
358	23.52	71.51	3.80	3.60	35.32	130.28
359	23.57	94.83	3.97	3.77	32.33	131.15
360	23.67	86.54	4.10	3.86	31.04	131.48
361	23.69	86.99	4.11	3.94	31.87	131.54
362	23.76	89.25	4.14	4.20	30.84	131.81
363	23.85	99.42	4.36	4.20	29.97	132.17
364	23.90	101.04	4.54	4.46	30.21	132.55
365	23.95	94.11	4.75	4.71	30.21	133.09
366	24.02	109.78	5.25	5.40	28.17	134.26
367	24.11	145.44	6.29	5.74	25.67	135.64
368	24.15	158.86	7.07	5.74	24.94	136.80
369	24.22	153.10	7.71	5.83	26.18	137.28
370	24.30	146.88	8.29	5.49	28.55	137.28
371	24.35	134.45	8.51	5.23	30.99	137.28
372	24.45	109.33	6.91	5.49	32.75	136.33
373	24.48	105.73	6.19	5.40	32.34	135.49
374	24.55	120.41	6.45	5.49	31.02	135.47
375	24.63	122.21	6.60	5.49	30.50	135.70
376	24.68	116.71	6.60	5.40	31.10	135.72
377	24.74	114.73	6.60	5.40	31.77	135.71
378	24.83	115.45	6.72	4.89	32.45	135.76
379	24.88	111.40	6.83	4.89	34.09	135.69
380	24.94	98.16	6.76	4.89	35.77	135.29
381	25.03	93.39	6.09	5.06	37.49	134.62
382	25.09	86.18	5.64	5.06	38.52	133.79
383	25.14	77.36	5.19	5.06	39.84	132.79
384	25.24	70.33	4.41	5.14	41.11	131.78

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
385	25.28	65.56	4.07	5.23	41.77	130.75
386	25.33	61.51	3.71	5.32	41.54	129.88
387	25.42	61.46	3.21	5.49	40.54	129.06
388	25.47	61.42	2.99	5.57	38.95	128.38
389	25.52	61.60	2.83	5.66	37.69	128.10
390	25.61	64.66	2.82	5.66	36.62	128.02
391	25.68	66.01	2.82	5.66	36.35	128.13
392	25.75	64.39	2.91	5.66	36.41	128.45
393	25.82	68.26	3.16	5.74	37.08	128.83
394	25.87	67.09	3.28	5.74	37.45	129.20
395	25.92	66.91	3.35	5.83	38.00	129.30
396	25.99	66.73	3.32	5.92	38.34	129.29
397	26.06	65.38	3.29	5.92	37.84	128.90
398	26.12	65.20	2.87	5.83	36.34	127.64
399	26.19	60.25	1.91	5.74	35.34	126.15
400	26.27	54.84	1.93	5.74	35.29	124.89
401	26.31	53.40	1.94	5.74	37.56	124.65
402	26.41	48.45	1.86	5.74	37.70	124.55
403	26.45	53.58	1.86	5.74	37.75	124.42
404	26.52	52.23	1.86	5.74	36.72	124.53
405	26.61	53.76	1.88	5.83	36.69	124.66
406	26.66	55.02	1.94	5.83	36.90	125.05
407	26.71	54.93	2.13	5.83	37.61	125.61
408	26.79	56.02	2.33	5.83	38.54	126.25
409	26.84	57.19	2.49	5.83	39.10	126.80
410	26.91	57.91	2.63	5.83	38.55	127.40
411	27.00	64.57	2.83	5.83	37.80	127.85
412	27.05	65.74	2.88	5.83	36.78	128.21
413	27.13	67.09	2.91	5.83	36.93	128.30
414	27.20	65.11	2.94	5.83	37.23	128.30
415	27.24	64.30	2.89	5.83	38.40	128.07
416	27.34	58.99	2.77	5.83	39.16	127.81
417	27.38	58.99	2.73	5.92	39.45	127.57
418	27.45	60.61	2.68	5.92	38.95	127.49
419	27.54	60.61	2.65	5.92	38.46	127.44
420	27.57	60.88	2.64	5.92	38.37	127.38
421	27.65	60.52	2.62	6.00	37.32	127.05
422	27.73	62.23	2.27	6.00	36.33	126.75
423	27.78	62.77	2.32	6.00	36.17	126.72
424	27.83	61.06	2.58	6.00	36.90	126.98
425	27.93	61.60	2.55	6.00	37.77	127.28
426	27.97	61.96	2.64	6.00	38.57	127.38
427	28.03	58.45	2.72	6.00	38.36	127.78
428	28.11	67.00	2.92	6.00	38.18	128.21
429	28.16	67.63	3.04	6.00	37.58	128.56
430	28.25	65.56	3.04	6.09	38.23	128.64
431	28.30	64.93	3.05	6.17	38.73	128.65
432	28.35	65.38	3.10	6.17	39.08	128.83

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
433	28.43	66.01	3.26	6.17	39.72	129.19
434	28.50	66.10	3.51	6.17	40.23	129.64
435	28.55	68.26	3.66	6.26	39.79	130.21
436	28.63	75.20	3.94	6.17	38.69	130.74
437	28.68	78.98	4.11	6.17	37.61	131.26
438	28.75	81.77	4.29	6.17	37.09	131.71
439	28.83	85.10	4.54	6.17	36.88	132.16
440	28.89	87.27	4.77	6.17	36.64	132.58
441	28.95	90.15	4.93	6.17	36.63	132.89
442	29.01	90.33	5.06	6.17	36.85	133.04
443	29.08	88.53	5.06	6.26	37.45	133.20
444	29.14	88.80	5.29	6.26	38.34	133.39
445	29.23	87.54	5.52	6.43	38.39	133.70
446	29.29	93.57	5.65	6.51	37.50	134.11
447	29.34	102.21	5.97	6.69	34.63	134.70
448	29.42	121.31	6.27	6.69	32.09	135.26
449	29.47	128.96	6.39	6.69	29.32	135.87
450	29.54	146.97	6.80	6.77	27.17	136.37
451	29.62	162.37	6.96	6.69	24.92	136.83
452	29.68	176.60	6.99	6.77	23.32	137.06
453	29.73	181.91	6.97	6.69	21.49	137.24
454	29.81	204.07	6.95	6.77	19.63	137.28
455	29.86	223.34	6.86	6.60	17.49	137.28
456	29.93	241.08	6.65	6.43	15.45	137.28
457	30.02	263.78	6.31	6.43	13.89	137.28
458	30.07	272.69	6.21	6.34	12.77	137.28
459	30.16	280.89	6.16	6.26	12.31	137.28
460	30.21	282.51	6.14	6.26	12.09	137.28
461	30.26	282.15	6.13	6.26	12.17	137.28
462	30.36	275.84	6.10	6.26	12.43	137.22
463	30.41	269.36	6.10	6.17	12.85	137.15
464	30.46	261.79	6.11	6.17	13.43	137.10
465	30.56	251.44	6.16	6.17	14.07	137.06
466	30.61	245.22	6.20	6.09	14.69	137.06
467	30.65	240.63	6.27	6.09	15.14	137.06
468	30.71	237.21	6.28	6.09	15.46	137.07
469	30.80	235.59	6.30	6.09	15.66	137.07
470	30.85	235.23	6.32	6.09	15.80	137.10
471	30.95	234.33	6.38	6.09	15.96	137.16
472	31.00	234.60	6.49	6.09	16.16	137.28
473	31.05	235.86	6.69	6.09	16.37	137.28
474	31.11	238.20	6.94	6.17	16.77	137.28
475	31.18	238.38	7.40	6.17	17.17	137.28
476	31.25	242.34	7.77	6.17	17.21	137.28
477	31.34	256.21	7.97	6.26	16.50	137.28
478	31.38	275.21	7.91	6.26	15.34	137.28
479	31.45	291.78	7.86	6.34	14.52	137.28
480	31.52	295.48	8.05	6.43	15.20	137.28

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
481	31.58	251.44	8.25	6.34	15.79	137.28
482	31.64	279.00	8.49	6.34	16.71	137.28
483	31.70	267.92	8.57	6.34	16.95	137.28
484	31.79	246.31	8.48	6.26	18.23	137.28
485	31.84	231.36	8.46	6.17	19.74	137.28
486	31.91	214.70	8.36	6.26	21.06	137.28
487	31.96	204.07	8.25	6.09	22.29	137.28
488	32.03	195.24	8.23	6.26	22.96	137.28
489	32.11	196.23	8.22	6.43	23.06	137.28
490	32.16	200.56	8.14	6.51	22.49	137.28
491	32.23	207.49	8.06	6.51	21.53	137.28
492	32.30	218.21	7.98	6.60	20.58	137.28
493	32.37	222.08	7.80	6.60	19.71	137.28
494	32.42	225.68	7.56	6.60	18.98	137.28
495	32.48	229.37	7.28	6.51	18.20	137.28
496	32.57	232.80	6.95	6.51	17.44	137.28
497	32.62	236.13	6.72	6.51	16.69	137.28
498	32.71	242.34	6.61	6.43	15.94	137.28
499	32.77	246.67	6.25	6.51	14.89	136.97
500	32.82	250.54	5.53	6.43	13.89	136.57
501	32.91	257.47	5.50	6.51	13.11	136.34
502	32.96	264.14	5.61	6.51	12.88	136.50
503	33.02	267.47	5.77	6.51	13.31	136.74
504	33.11	253.42	6.09	6.51	13.88	136.99
505	33.15	256.66	6.28	6.34	14.28	137.28
506	33.23	273.32	6.74	6.43	14.18	137.28
507	33.28	279.36	7.01	6.43	14.17	137.28
508	33.35	281.88	7.37	6.43	14.37	137.28
509	33.40	282.51	7.54	6.43	14.60	137.28
510	33.47	282.69	7.64	6.43	14.75	137.28
511	33.55	282.69	7.71	6.43	14.83	137.28
512	33.60	282.96	7.71	6.43	14.82	137.28
513	33.67	283.05	7.62	6.43	14.75	137.28
514	33.73	282.33	7.51	6.51	14.71	137.28
515	33.82	279.99	7.47	6.43	14.87	137.28
516	33.87	274.58	7.51	6.43	15.42	137.28
517	33.97	257.74	7.45	6.34	16.75	137.28
518	34.02	228.29	7.49	6.26	18.82	137.28
519	34.07	200.56	7.36	6.17	22.09	137.28
520	34.12	162.19	7.15	6.00	25.89	137.08
521	34.21	136.53	6.77	6.17	29.66	136.37
522	34.26	126.98	6.43	5.92	31.85	135.54
523	34.36	116.44	5.68	6.17	33.24	134.83
524	34.41	106.99	5.49	6.26	34.99	134.23
525	34.46	99.06	5.50	6.26	36.69	134.04
526	34.53	99.15	5.55	6.34	36.40	134.15
527	34.60	111.58	5.67	6.51	34.02	134.25
528	34.65	121.22	5.34	6.60	31.54	134.30

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
529	34.74	123.83	5.27	6.51	30.34	134.34
530	34.78	125.09	5.55	6.43	27.49	134.48
531	34.85	157.78	5.16	6.34	24.79	134.96
532	34.91	173.45	5.69	6.26	23.16	135.42
533	34.98	164.71	6.14	6.17	23.52	135.99
534	35.05	169.67	6.39	5.66	25.04	136.32
535	35.12	158.86	6.73	5.66	26.99	136.69
536	35.20	146.34	7.40	5.66	29.76	136.92
537	35.25	138.15	7.52	5.66	31.85	137.09
538	35.31	137.88	7.61	6.00	32.65	137.10
539	35.39	137.61	7.59	6.09	32.32	137.09
540	35.46	141.84	7.41	6.17	31.33	137.02
541	35.50	148.14	7.23	6.26	28.93	136.98
542	35.57	167.42	6.98	6.26	26.34	136.91
543	35.65	177.59	6.66	6.17	24.04	136.72
544	35.70	180.29	6.27	6.09	22.72	136.30
545	35.78	177.50	5.75	6.09	22.13	135.76
546	35.84	170.93	5.40	6.09	22.22	135.26
547	35.90	162.82	5.30	6.00	23.14	134.96
548	36.00	152.92	5.35	6.00	24.29	134.81
549	36.04	148.68	5.32	6.00	25.51	134.74
550	36.10	142.92	5.37	6.00	26.01	134.45
551	36.17	138.69	4.92	6.00	26.10	134.13
552	36.24	139.23	4.75	6.00	25.65	133.83
553	36.29	141.66	4.78	6.00	24.61	133.81
554	36.39	152.74	4.73	6.00	23.27	133.90
555	36.43	161.74	4.68	5.92	23.49	133.79
556	36.48	135.63	4.64	5.92	22.40	133.83
557	36.55	171.02	4.62	5.06	21.99	133.84
558	36.63	169.04	4.63	5.06	20.68	134.05
559	36.69	164.89	4.75	4.97	21.41	134.15
560	36.75	161.20	4.91	4.97	22.45	134.34
561	36.82	157.15	5.13	4.89	23.55	134.54
562	36.88	153.28	5.30	4.97	24.90	134.74
563	36.96	146.25	5.49	4.89	26.25	134.89
564	37.01	142.38	5.64	4.97	27.75	135.02
565	37.09	136.80	5.81	4.97	28.84	135.12
566	37.15	135.27	5.86	4.97	29.67	135.22
567	37.22	135.09	5.99	4.97	30.48	135.26
568	37.31	128.87	6.04	4.97	31.45	135.26
569	37.36	124.55	6.00	4.97	32.52	135.10
570	37.41	120.41	5.84	4.97	33.67	134.59
571	37.51	106.45	5.18	5.06	35.16	133.89
572	37.56	97.44	4.86	5.06	36.55	133.02
573	37.61	93.30	4.47	5.06	38.05	132.02
574	37.70	79.43	3.75	5.06	39.33	130.92
575	37.76	73.22	3.40	5.14	41.80	129.84
576	37.81	65.56	3.27	5.23	44.78	129.13

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
577	37.87	57.37	3.13	5.23	46.62	127.48
578	37.94	49.08	1.76	5.32	45.89	124.57
579	38.01	43.14	0.86	5.32	44.11	120.97
580	38.10	37.28	1.07	5.40	45.30	119.07
581	38.15	34.67	1.03	5.49	49.74	119.23
582	38.19	33.68	1.01	5.49	51.64	118.89
583	38.26	31.79	0.98	5.57	52.75	118.69
584	38.32	31.61	0.98	5.83	55.58	118.46
585	38.42	31.43	0.94	5.92	55.65	118.28
586	38.47	30.98	0.92	5.92	55.83	118.06
587	38.52	30.35	0.91	5.92	56.21	117.84
588	38.62	29.81	0.87	5.92	56.59	117.57
589	38.67	29.27	0.84	5.92	56.83	117.20
590	38.72	28.46	0.80	5.92	57.36	116.81
591	38.79	27.38	0.76	5.83	57.94	116.43
592	38.86	26.93	0.74	5.92	58.24	116.13
593	38.91	26.93	0.72	5.83	57.38	115.88
594	39.01	27.92	0.68	5.92	56.19	115.65
595	39.05	28.19	0.67	5.92	52.36	115.52
596	39.11	29.09	0.67	5.92	47.82	116.46
597	39.19	40.26	0.86	5.92	45.58	118.08
598	39.25	41.07	1.10	5.92	45.20	120.30
599	39.30	42.60	1.46	5.92	46.77	122.75
600	39.41	51.87	2.08	5.92	47.66	124.35
601	39.44	50.07	2.10	5.92	46.89	125.38
602	39.52	53.22	2.16	6.00	47.63	126.49
603	39.59	58.90	3.01	6.00	46.75	127.99
604	39.63	67.27	3.46	6.00	44.92	129.79
605	39.70	80.15	4.06	6.00	42.66	131.02
606	39.78	85.46	4.45	5.92	40.26	131.90
607	39.83	93.57	4.52	5.66	36.77	132.14
608	39.92	107.26	4.07	5.66	33.18	131.86
609	39.96	108.52	3.64	5.66	30.18	131.06
610	40.04	105.28	3.13	5.57	29.21	130.10
611	40.09	98.88	2.81	5.66	29.52	129.25
612	40.17	91.50	2.75	5.57	31.56	128.72
613	40.24	80.78	2.75	5.66	34.77	128.45
614	40.32	73.04	2.79	5.74	38.18	128.30
615	40.37	69.70	2.84	5.74	41.44	128.19
616	40.43	62.95	2.85	5.74	44.20	128.04
617	40.49	59.17	2.81	5.83	47.28	127.67
618	40.56	53.85	2.66	5.83	49.78	127.03
619	40.65	48.45	2.38	5.92	52.22	126.17
620	40.71	44.76	2.16	5.92	55.78	125.28
621	40.76	43.41	2.00	5.92	56.90	124.55
622	40.84	40.44	1.87	6.00	56.37	124.11
623	40.91	43.36	1.83	6.09	56.87	123.89
624	40.97	40.80	1.87	6.17	56.48	124.16

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
625	41.05	43.32	2.04	6.17	56.61	124.54
626	41.11	45.66	2.10	6.17	55.49	124.98
627	41.15	46.92	2.13	6.17	51.27	125.24
628	41.23	50.79	2.16	6.17	49.83	125.93
629	41.30	55.48	2.58	6.17	48.76	126.89
630	41.35	58.63	2.90	6.17	48.15	128.12
631	41.41	64.48	3.32	6.17	47.68	129.22
632	41.50	68.62	3.77	6.17	48.11	129.99
633	41.53	65.47	3.89	6.17	44.82	130.66
634	41.61	87.18	3.95	5.92	42.73	130.93
635	41.69	82.85	3.96	6.00	40.64	131.02
636	41.76	78.44	3.82	6.00	42.50	130.61
637	41.84	71.51	3.55	6.00	44.14	130.10
638	41.88	68.26	3.42	6.00	45.78	129.68
639	41.94	66.01	3.43	6.09	47.09	129.59
640	42.03	64.93	3.53	6.17	48.28	129.66
641	42.07	64.30	3.59	6.17	49.76	129.81
642	42.13	61.78	3.72	6.17	50.85	129.90
643	42.23	61.87	3.73	6.26	50.02	130.05
644	42.30	69.25	3.73	6.34	46.91	130.26
645	42.33	77.09	3.75	6.34	40.54	130.75
646	42.42	100.41	3.86	6.43	35.12	131.24
647	42.47	112.39	3.88	6.34	29.91	131.68
648	42.52	129.41	3.80	6.17	26.81	131.74
649	42.62	134.54	3.59	6.09	24.75	131.64
650	42.67	135.27	3.51	6.00	24.08	131.42
651	42.72	133.19	3.44	6.00	24.22	131.23
652	42.81	128.51	3.37	6.00	24.77	131.07
653	42.86	125.27	3.38	6.00	25.75	130.92
654	42.93	118.24	3.37	6.00	26.78	130.85
655	43.01	115.63	3.39	6.09	27.53	130.88
656	43.05	118.24	3.50	6.09	28.30	131.09
657	43.12	114.46	3.70	6.00	29.03	131.58
658	43.19	118.24	4.10	5.92	30.61	132.10
659	43.25	113.02	4.38	5.92	32.55	132.50
660	43.32	104.47	4.51	5.92	35.22	132.55
661	43.38	96.72	4.48	5.92	38.39	132.36
662	43.47	86.09	4.42	5.92	40.75	132.11
663	43.52	85.28	4.37	5.92	42.41	131.79
664	43.59	82.13	4.15	5.92	41.83	131.33
665	43.68	82.85	3.68	6.09	40.89	130.83
666	43.72	83.93	3.60	6.09	39.12	130.47
667	43.77	87.54	3.52	6.17	36.58	130.39
668	43.85	97.89	3.35	6.26	33.46	130.35
669	43.92	105.91	3.27	6.26	30.70	130.36
670	43.96	110.41	3.28	6.26	28.28	130.47
671	44.04	122.66	3.26	6.26	26.56	130.64
672	44.12	127.43	3.30	6.17	25.20	130.82

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
673	44.17	129.86	3.34	6.17	25.20	131.15
674	44.25	130.04	3.66	6.17	25.94	131.62
675	44.31	129.14	3.97	6.17	27.13	132.12
676	44.37	127.25	4.14	6.17	28.25	132.48
677	44.43	125.27	4.29	6.17	29.30	132.73
678	44.51	123.29	4.47	6.17	29.99	132.95
679	44.55	125.04	4.57	6.17	29.84	132.85
680	44.65	124.82	4.12	6.17	28.98	132.64
681	44.69	128.06	4.03	6.17	27.42	132.45
682	44.76	138.60	4.10	6.17	25.96	132.69
683	44.83	148.59	4.28	6.09	24.65	133.07
684	44.90	155.35	4.41	6.17	23.90	133.41
685	44.95	158.59	4.51	6.09	23.60	133.59
686	45.02	158.32	4.52	6.17	22.98	133.64
687	45.09	166.79	4.40	6.09	22.33	133.62
688	45.15	169.04	4.39	6.09	21.59	133.61
689	45.23	170.84	4.39	6.09	21.31	133.63
690	45.30	172.73	4.38	6.09	21.12	133.66
691	45.36	173.54	4.41	6.09	21.32	133.81
692	45.42	171.83	4.64	6.09	22.17	133.99
693	45.48	163.63	4.81	6.09	24.18	134.13
694	45.56	144.81	4.95	6.09	27.20	133.94
695	45.62	124.28	4.77	6.00	31.19	133.26
696	45.71	101.94	4.22	6.00	35.38	132.32
697	45.77	88.62	3.96	6.00	39.32	131.38
698	45.80	80.60	3.79	6.09	43.59	130.50
699	45.91	64.93	3.39	6.34	47.32	129.66
700	45.96	60.97	3.17	6.34	51.50	128.71
701	46.01	54.39	2.95	6.34	57.40	127.93
702	46.07	46.11	2.75	6.43	62.48	127.32
703	46.16	41.16	2.83	6.43	66.99	126.99
704	46.20	40.89	2.84	6.51	67.83	126.90
705	46.31	43.68	2.70	6.60	66.08	126.70
706	46.35	43.95	2.54	6.60	65.39	126.23
707	46.39	39.53	2.38	6.60	59.06	126.06
708	46.46	58.72	2.25	6.86	55.65	125.72
709	46.55	51.60	2.10	6.86	49.37	125.37
710	46.60	48.09	1.94	6.86	55.38	124.44
711	46.66	41.70	1.71	6.86	58.30	123.31
712	46.76	36.20	1.47	6.94	61.67	122.19
713	46.79	33.86	1.40	6.94	64.08	121.25
714	46.85	32.06	1.29	7.03	64.95	120.28
715	46.95	30.08	1.02	7.12	65.06	119.24
716	46.99	29.27	0.96	7.12	64.15	118.15
717	47.05	29.09	0.86	7.20	63.84	117.59
718	47.13	28.46	0.83	7.29	63.86	117.19
719	47.19	27.74	0.83	7.29	64.62	117.06
720	47.25	27.47	0.83	7.29	65.52	117.31

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
721	47.31	28.10	0.93	7.37	66.31	118.37
722	47.39	30.62	1.20	7.37	65.56	120.17
723	47.45	36.29	1.54	7.46	64.32	122.63
724	47.53	42.51	2.16	7.54	62.21	124.63
725	47.58	47.01	2.44	7.54	60.79	126.36
726	47.64	51.78	2.88	7.54	52.28	128.09
727	47.74	75.47	3.51	7.71	46.31	129.57
728	47.77	85.82	3.72	7.80	37.57	130.96
729	47.84	119.06	3.94	7.97	29.79	132.06
730	47.93	160.66	4.22	7.97	23.48	133.14
731	47.98	191.37	4.49	7.71	19.00	134.07
732	48.06	229.28	4.68	7.63	16.30	134.59
733	48.12	245.40	4.58	7.63	14.34	134.78
734	48.18	256.57	4.42	7.63	14.34	134.51
735	48.23	218.12	4.26	7.29	13.31	134.31
736	48.31	270.44	4.08	7.29	12.30	134.16
737	48.38	285.57	3.99	7.29	10.42	134.22
738	48.43	297.01	3.98	7.29	9.59	134.32
739	48.51	314.30	4.04	7.37	9.07	134.55
740	48.57	324.02	4.20	7.37	8.77	134.97
741	48.63	337.26	4.52	7.46	8.75	135.49
742	48.71	347.17	4.84	7.46	8.81	135.99
743	48.77	352.12	5.02	7.54	8.81	136.36
744	48.86	361.13	5.15	7.54	8.72	136.55
745	48.92	365.72	5.15	7.54	8.53	136.65
746	48.96	370.31	5.13	7.63	8.30	136.66
747	49.02	377.43	5.10	7.63	7.98	136.58
748	49.12	381.39	4.91	7.63	7.66	136.44
749	49.16	382.83	4.79	7.63	7.26	136.16
750	49.26	385.62	4.50	7.63	10.39	135.93
751	49.31	384.09	4.45	7.63	10.21	135.73
752	49.35	383.55	4.44	7.63	10.10	135.53
753	49.44	379.68	4.16	7.63	9.80	135.13
754	49.49	380.22	3.78	7.63	9.57	134.78
755	49.55	377.79	3.87	7.63	9.49	134.67
756	49.62	378.78	3.97	7.71	9.73	134.88
757	49.70	377.70	4.13	7.80	9.97	135.06
758	49.74	374.32	4.19	7.71	10.26	135.21
759	49.83	368.96	4.26	7.89	10.41	135.25
760	49.88	370.94	4.22	7.89	7.92	132.30
761	49.95	370.31	0.00	7.89	4.75	127.19
762	50.04	366.17	0.00	7.97	N/A	87.36
763	50.08	365.63	0.00	7.97	N/A	87.36
764	50.15	367.88	0.00	7.97	N/A	87.36
765	50.24	372.83	0.00	7.97	N/A	87.36

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)

Abbreviations

Depth:	Depth from free surface, at which CPT was performed (ft)
q_c:	Measured cone resistance (tsf)
f_s:	Sleeve friction resistance (tsf)
u:	Pore pressure (tsf)
Fines content:	Percentage of fines in soil (%)
Unit weight:	Bulk soil unit weight (pcf)

Fenagh Engineering and Testing
9070 Center Avenue
Rancho Cucamonga, CA 91730
www.fenaghengineering.com

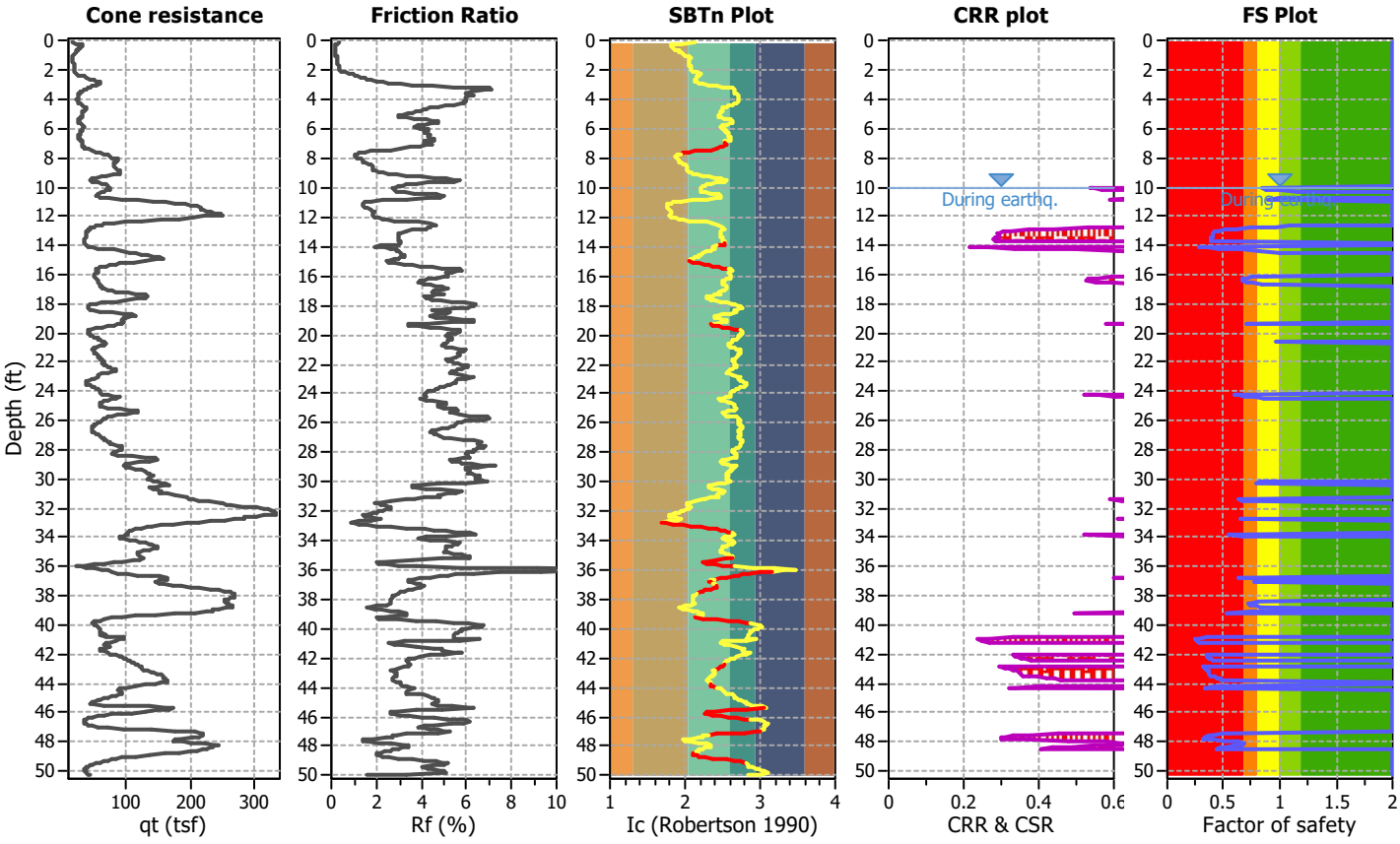
LIQUEFACTION ANALYSIS REPORT

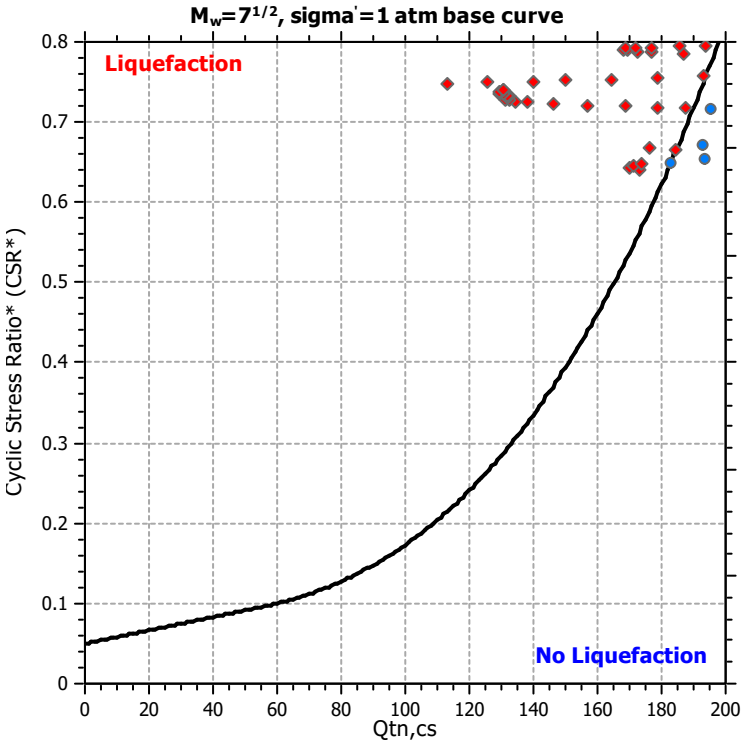
Project title : Centennial High School **Location : 2606 N. Central Ave, Compton, CA 90222**

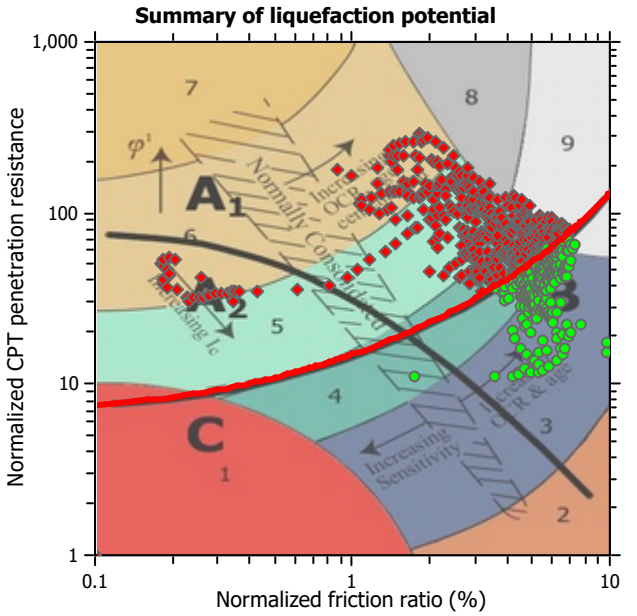
CPT file : CPT-14

Input parameters and analysis data

Analysis method:	NCEER (1998)	G.W.T. (in-situ):	50.00 ft	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	NCEER (1998)	G.W.T. (earthq.):	10.00 ft	Fill height:	N/A	Limit depth applied:	No
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	N/A
Earthquake magnitude M_w:	7.30	Ic cut-off value:	2.60	Trans. detect. applied:	Yes	MSF method:	Method based
Peak ground acceleration:	0.83	Unit weight calculation:	Based on SBT	K_σ applied:	Yes		

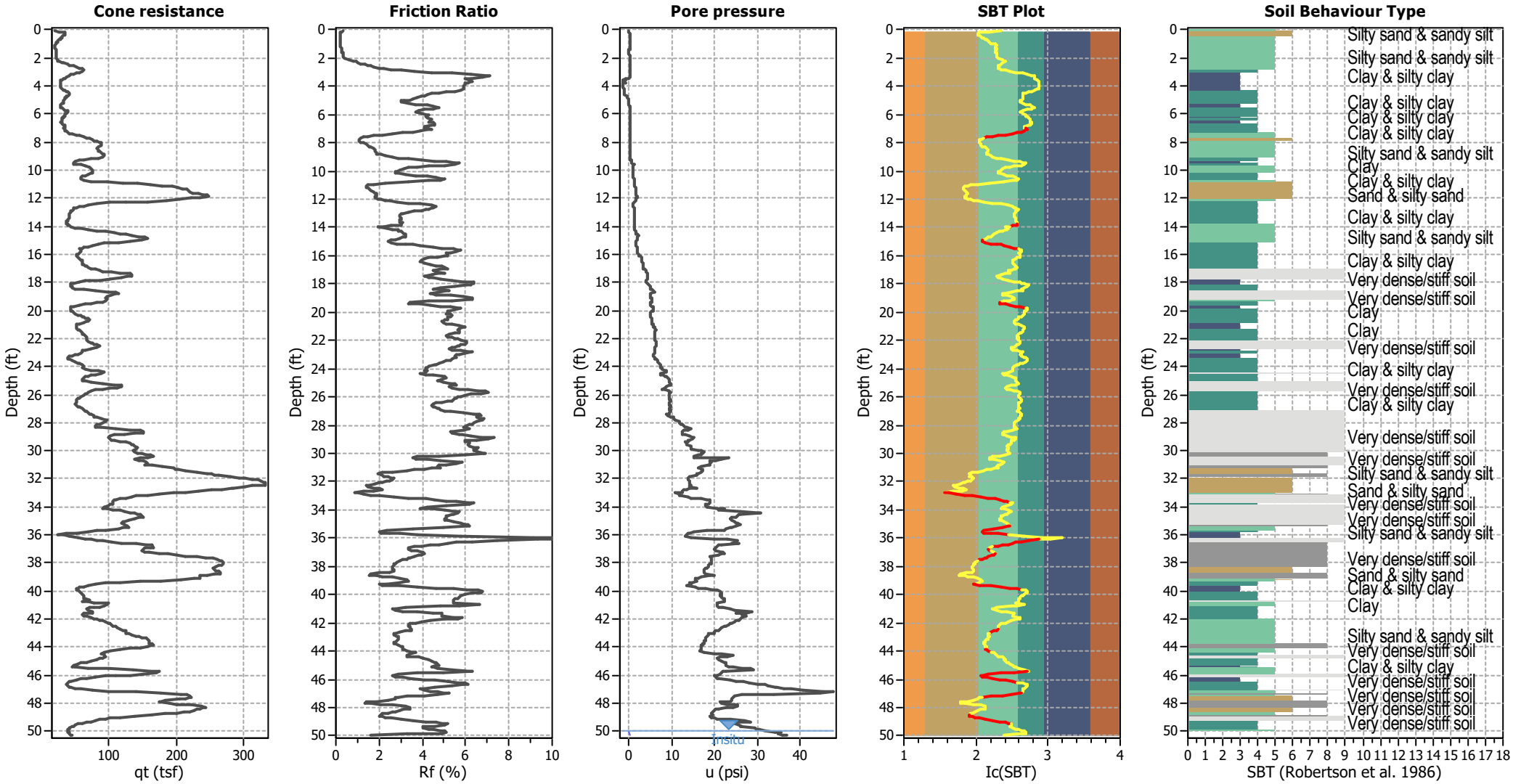






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and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

CPT basic interpretation plots



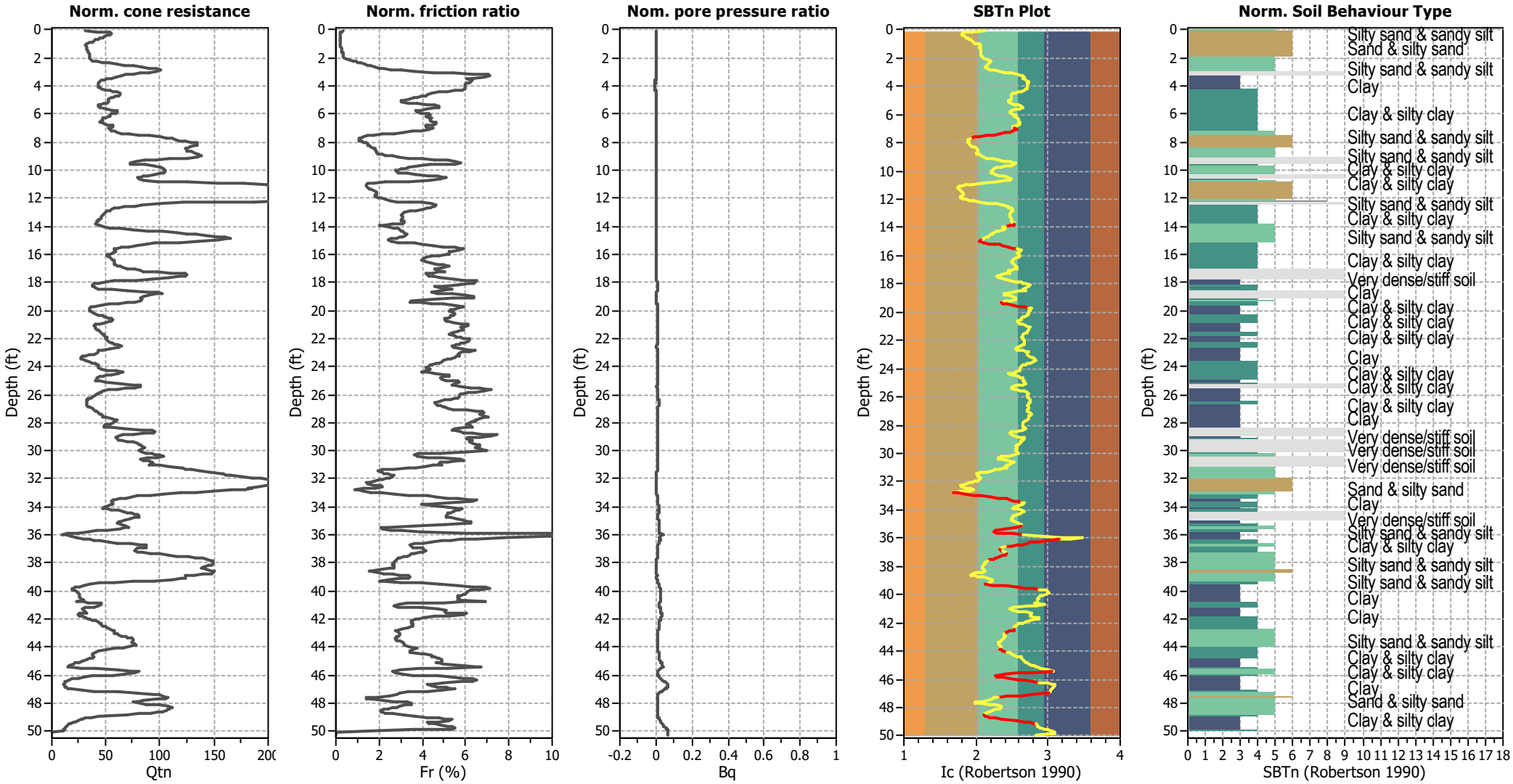
Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	7.30	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.83	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	50.00 ft	Fill height:	N/A	Limit depth:	N/A

SBT legend

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

CPT basic interpretation plots (normalized)



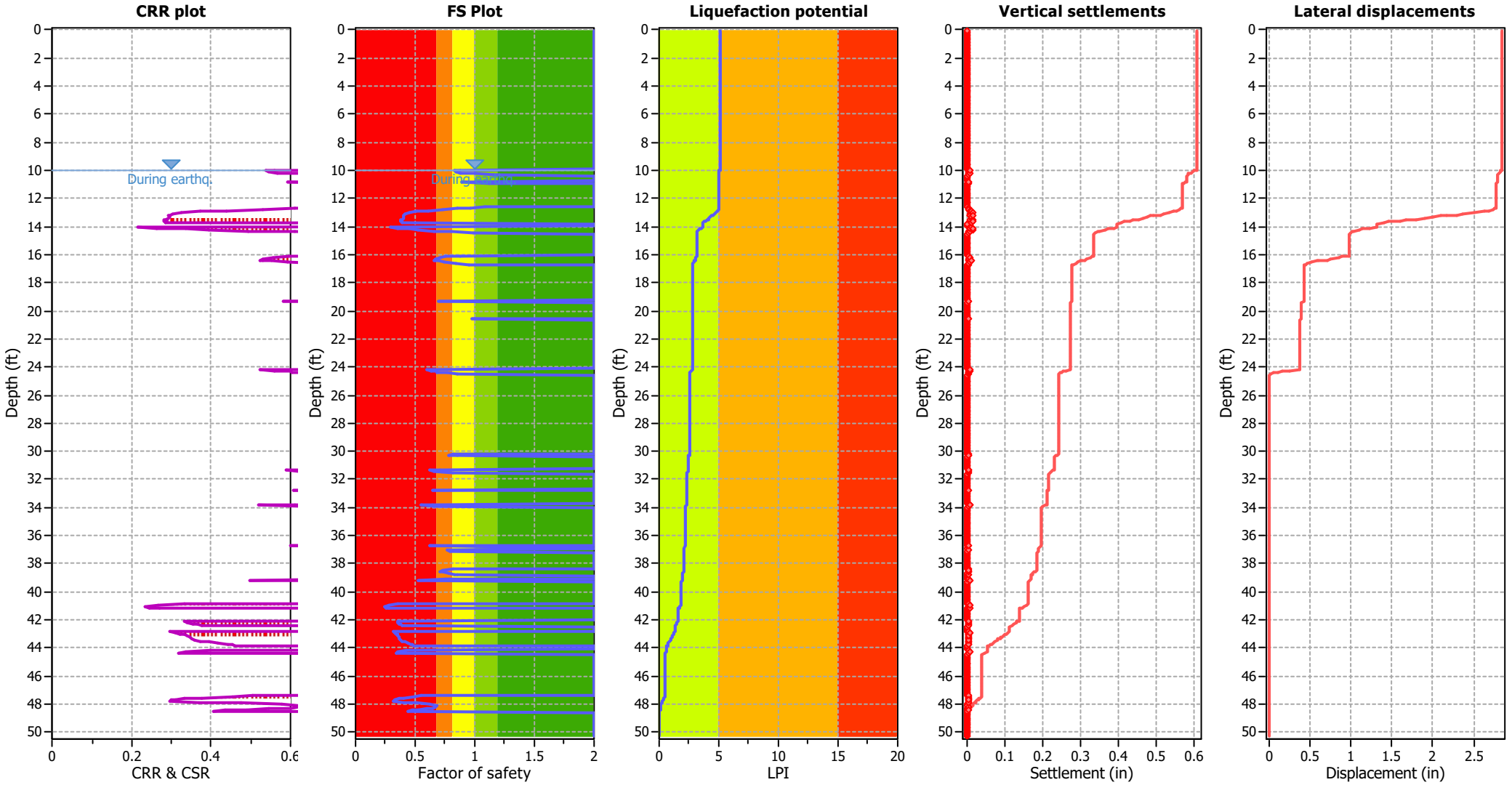
Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	7.30	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.83	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	50.00 ft	Fill height:	N/A	Limit depth:	N/A

SBTn legend

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

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	7.30	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.83	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	50.00 ft	Fill height:	N/A	Limit depth:	N/A

F.S. color scheme

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

LPI color scheme

- Very high risk
- High risk
- Low risk

:: Field input data ::

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
1	0.07	12.63	0.06	0.00	5.00	97.56
2	0.17	31.78	0.07	0.00	5.00	98.52
3	0.22	33.93	0.07	0.00	5.00	99.28
4	0.26	34.87	0.07	0.09	5.00	99.08
5	0.33	33.93	0.06	0.09	5.00	98.51
6	0.40	32.04	0.06	0.09	5.00	97.84
7	0.49	29.81	0.06	0.09	5.00	97.45
8	0.54	29.03	0.06	0.09	5.00	97.32
9	0.60	27.92	0.06	0.09	5.00	97.02
10	0.68	26.37	0.05	0.09	5.00	96.56
11	0.72	25.51	0.05	0.09	5.00	95.72
12	0.79	24.31	0.04	0.09	5.00	95.23
13	0.86	23.02	0.04	0.09	5.00	95.02
14	0.95	21.73	0.05	0.09	5.00	95.19
15	0.99	21.30	0.05	0.09	5.00	95.02
16	1.06	17.52	0.04	0.09	5.00	94.84
17	1.15	19.84	0.04	0.09	5.00	94.69
18	1.19	19.84	0.04	0.09	5.00	94.92
19	1.28	19.84	0.05	0.09	5.00	95.23
20	1.33	19.93	0.05	0.09	5.00	95.71
21	1.41	20.18	0.05	0.09	5.00	96.06
22	1.46	20.44	0.05	0.00	5.00	96.45
23	1.56	20.87	0.06	0.00	5.00	96.84
24	1.60	21.22	0.06	0.00	5.00	97.37
25	1.65	21.39	0.07	0.00	5.00	97.86
26	1.74	21.39	0.07	0.00	5.00	98.22
27	1.79	21.39	0.07	0.09	5.00	98.50
28	1.84	21.56	0.07	0.09	5.00	98.61
29	1.93	21.56	0.07	0.09	5.00	98.77
30	1.97	21.47	0.08	0.09	5.00	99.16
31	2.06	21.90	0.09	0.09	5.00	100.38
32	2.10	22.16	0.12	0.09	17.74	103.37
33	2.21	23.62	0.21	0.09	19.02	105.89
34	2.25	25.51	0.25	0.09	19.19	107.97
35	2.31	28.77	0.28	0.09	18.32	109.86
36	2.39	34.36	0.39	0.09	17.91	111.73
37	2.43	35.99	0.47	0.18	17.69	114.03
38	2.53	42.35	0.64	0.18	17.53	115.79
39	2.57	46.30	0.73	0.18	17.06	117.69
40	2.67	52.74	0.92	0.18	16.96	119.30
41	2.71	56.43	1.11	0.18	17.17	120.92
42	2.76	59.95	1.32	0.26	17.79	122.42
43	2.82	63.56	1.60	0.26	18.79	123.79
44	2.89	63.90	1.88	0.26	20.64	125.07
45	2.96	60.73	2.23	0.35	23.23	126.03
46	3.03	56.52	2.48	0.35	26.76	126.76
47	3.09	50.42	2.76	0.35	30.67	127.24
48	3.17	45.52	2.99	0.35	34.08	127.50

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
49	3.22	44.15	3.02	0.35	37.08	127.46
50	3.31	38.74	2.97	0.26	38.26	126.93
51	3.36	37.36	2.55	0.26	38.73	125.78
52	3.45	34.27	1.99	0.00	38.00	124.57
53	3.50	32.73	1.94	-0.70	38.53	123.59
54	3.54	29.89	1.89	-1.49	40.02	123.14
55	3.63	28.00	1.76	-0.70	41.33	122.66
56	3.68	27.23	1.70	-1.40	41.69	122.25
57	3.75	27.01	1.65	-0.70	41.64	121.98
58	3.82	26.80	1.60	-1.40	41.37	121.81
59	3.90	26.97	1.59	-1.40	41.28	121.72
60	3.96	26.80	1.60	-1.40	41.28	121.67
61	4.04	26.54	1.57	-1.40	41.35	121.60
62	4.09	26.54	1.56	-1.40	41.19	121.63
63	4.14	27.23	1.60	-1.40	40.86	121.92
64	4.22	28.69	1.73	-1.31	39.95	122.37
65	4.28	30.84	1.78	-1.23	38.57	122.89
66	4.36	33.33	1.85	-1.14	36.60	123.22
67	4.41	35.82	1.84	-1.14	34.57	123.37
68	4.46	37.71	1.78	-1.14	32.58	123.42
69	4.53	40.03	1.77	-1.14	30.78	123.38
70	4.60	41.92	1.72	-1.05	30.16	123.09
71	4.69	37.88	1.57	-0.61	30.11	122.60
72	4.73	36.68	1.49	-0.44	30.32	121.76
73	4.83	35.47	1.28	-0.44	30.03	121.06
74	4.87	34.36	1.21	-0.35	29.89	120.35
75	4.96	32.73	1.16	-0.26	29.64	119.75
76	5.01	32.73	1.03	-0.17	28.77	118.98
77	5.06	32.73	0.89	-0.09	28.15	118.63
78	5.15	32.73	1.02	-0.09	28.24	118.71
79	5.20	32.90	1.06	-0.09	30.09	119.16
80	5.29	29.55	1.12	-0.09	32.16	119.36
81	5.34	27.92	1.17	0.00	35.17	119.55
82	5.40	26.20	1.23	0.00	36.44	119.87
83	5.49	28.13	1.29	0.09	37.58	120.09
84	5.54	26.46	1.30	0.09	37.06	120.29
85	5.58	28.34	1.30	0.09	35.54	120.45
86	5.67	32.55	1.31	0.09	32.74	120.79
87	5.72	35.73	1.35	0.09	30.52	121.15
88	5.81	37.28	1.38	0.18	29.00	121.44
89	5.86	39.68	1.39	0.09	29.15	121.65
90	5.94	36.59	1.46	0.09	30.23	121.80
91	6.00	34.53	1.51	0.09	32.20	121.81
92	6.04	33.24	1.48	0.09	32.63	121.63
93	6.13	34.19	1.39	0.18	32.25	121.35
94	6.18	34.01	1.35	0.09	32.69	120.95
95	6.28	29.55	1.30	0.09	33.78	120.70
96	6.32	29.72	1.31	0.09	34.96	120.54

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
97	6.37	30.06	1.32	0.09	34.68	120.46
98	6.46	29.89	1.26	0.09	34.89	120.30
99	6.50	28.34	1.24	0.09	35.15	120.07
100	6.59	28.26	1.23	0.09	35.99	120.13
101	6.64	28.17	1.31	0.09	36.09	120.50
102	6.72	29.98	1.42	0.09	35.36	120.99
103	6.78	32.64	1.43	0.09	33.86	121.35
104	6.83	34.19	1.43	0.09	31.48	121.60
105	6.92	38.65	1.44	0.09	31.54	121.64
106	6.96	32.73	1.46	0.09	32.12	121.67
107	7.03	32.55	1.47	0.09	33.62	121.60
108	7.10	33.76	1.47	0.09	32.53	121.50
109	7.19	35.30	1.36	0.09	30.99	121.25
110	7.24	35.82	1.28	0.09	29.13	120.83
111	7.29	37.36	1.20	0.09	26.91	120.26
112	7.38	39.60	1.02	0.09	23.98	119.72
113	7.43	44.06	0.96	0.09	20.41	119.19
114	7.50	50.68	0.88	0.09	17.04	118.96
115	7.57	57.98	0.82	0.09	14.42	118.71
116	7.61	61.41	0.78	0.09	12.38	118.66
117	7.70	68.72	0.78	0.09	11.25	118.72
118	7.75	71.89	0.78	0.09	10.39	118.85
119	7.83	74.38	0.78	0.09	9.97	118.99
120	7.89	76.88	0.79	0.09	9.90	119.57
121	7.97	80.65	0.94	0.09	10.11	120.60
122	8.02	85.64	1.11	0.09	10.48	121.81
123	8.07	88.64	1.25	0.09	10.76	122.65
124	8.20	89.33	1.30	0.09	11.03	123.04
125	8.21	88.60	1.30	0.09	11.16	123.16
126	8.30	88.56	1.32	0.09	11.58	123.21
127	8.35	84.43	1.35	0.09	12.43	123.35
128	8.44	78.59	1.42	0.26	13.09	123.60
129	8.49	84.00	1.48	0.26	13.62	123.85
130	8.54	81.60	1.52	0.26	13.56	124.11
131	8.63	83.57	1.55	0.26	13.64	124.24
132	8.67	85.64	1.56	0.26	13.40	124.58
133	8.79	90.36	1.68	0.26	13.37	124.95
134	8.82	90.88	1.76	0.26	13.56	125.43
135	8.86	91.13	1.86	0.26	14.24	126.10
136	8.96	92.25	2.18	0.26	14.97	126.85
137	9.00	94.31	2.35	0.26	16.03	127.79
138	9.09	93.62	2.72	0.26	17.46	128.32
139	9.14	83.83	2.80	0.26	19.85	128.57
140	9.23	71.72	2.87	0.35	23.07	128.37
141	9.28	61.07	2.88	0.35	26.22	128.09
142	9.32	56.78	2.85	0.44	29.30	127.65
143	9.41	48.27	2.74	0.61	31.56	127.23
144	9.47	45.70	2.67	0.70	33.06	126.83

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
145	9.55	46.55	2.60	0.88	32.35	126.71
146	9.60	50.68	2.55	1.05	30.46	126.69
147	9.65	54.63	2.50	1.14	26.92	126.84
148	9.74	67.68	2.42	1.05	24.16	126.93
149	9.79	70.43	2.38	1.05	21.84	126.93
150	9.87	72.92	2.28	0.96	21.00	126.78
151	9.91	73.44	2.22	0.88	20.17	126.49
152	10.00	74.30	2.08	0.88	19.63	126.25
153	10.06	75.24	2.04	0.88	19.20	126.07
154	10.11	75.50	2.05	0.88	19.27	126.20
155	10.20	75.76	2.17	0.79	19.76	126.46
156	10.24	74.64	2.27	0.79	21.56	126.94
157	10.36	66.14	2.59	0.79	23.63	127.29
158	10.38	64.08	2.65	0.79	26.25	127.61
159	10.45	59.87	2.80	0.88	28.20	127.75
160	10.52	55.74	2.90	0.96	29.30	127.92
161	10.57	59.87	2.92	1.05	30.03	127.84
162	10.66	55.06	2.79	1.14	29.16	127.72
163	10.70	59.87	2.70	1.14	27.08	127.47
164	10.80	69.92	2.49	1.23	22.14	127.27
165	10.85	89.50	2.13	1.31	15.72	127.23
166	10.93	129.44	2.02	1.31	11.53	127.35
167	10.98	143.36	2.11	1.31	9.26	127.86
168	11.03	156.16	2.23	1.31	8.18	128.70
169	11.12	185.62	2.50	1.31	7.50	129.48
170	11.16	192.92	2.63	1.31	7.12	130.32
171	11.22	201.08	2.90	1.49	7.16	131.08
172	11.32	213.53	3.24	1.49	7.30	131.77
173	11.36	215.68	3.39	1.58	7.62	132.48
174	11.50	217.05	3.78	1.58	8.04	133.03
175	11.59	220.06	4.01	1.58	8.54	133.71
176	11.64	225.21	4.42	1.67	8.65	134.07
177	11.69	229.25	4.33	1.67	8.47	134.36
178	11.78	241.62	4.38	1.67	8.20	134.50
179	11.82	245.83	4.55	1.67	7.92	134.66
180	11.91	251.24	4.48	1.75	7.92	134.79
181	11.96	249.78	4.58	1.75	8.67	134.71
182	12.01	206.15	4.65	1.67	9.59	134.67
183	12.07	210.35	4.67	1.40	10.78	134.46
184	12.15	196.44	4.57	1.40	12.18	134.07
185	12.24	146.36	4.40	1.31	14.52	133.46
186	12.29	128.50	4.26	1.31	18.25	132.63
187	12.34	101.44	4.07	1.31	21.80	131.62
188	12.43	75.07	3.57	1.05	25.50	130.46
189	12.48	70.78	3.24	1.05	28.16	129.06
190	12.57	60.90	2.73	1.05	28.87	127.99
191	12.62	57.72	2.52	1.05	30.13	126.72
192	12.71	49.73	2.18	1.14	30.93	125.82

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
193	12.75	48.27	2.04	1.14	31.51	124.83
194	12.80	46.30	1.82	1.23	31.20	124.07
195	12.86	44.84	1.64	1.23	30.54	123.10
196	12.94	43.55	1.41	1.23	29.93	122.19
197	13.03	42.17	1.29	1.23	29.36	121.46
198	13.08	42.09	1.25	1.31	29.31	121.01
199	13.17	40.71	1.21	1.31	29.43	120.78
200	13.21	40.37	1.20	1.31	29.62	120.61
201	13.26	40.37	1.19	1.31	29.79	120.61
202	13.33	40.20	1.21	1.31	30.09	120.61
203	13.40	39.43	1.21	1.31	30.30	120.54
204	13.49	39.25	1.16	1.31	30.36	120.35
205	13.53	39.00	1.13	1.31	30.59	120.10
206	13.63	37.11	1.11	1.31	31.14	119.97
207	13.66	36.68	1.12	1.31	31.78	119.94
208	13.72	36.72	1.14	1.31	31.87	119.90
209	13.86	36.72	1.10	1.31	31.84	119.83
210	13.88	36.76	1.09	1.31	29.36	118.83
211	13.95	39.43	0.69	1.31	27.16	118.06
212	13.99	40.54	0.78	1.31	25.23	117.73
213	14.04	42.95	0.94	1.31	26.41	119.62
214	14.13	47.24	1.34	1.31	26.33	121.49
215	14.18	55.57	1.53	1.31	25.22	123.82
216	14.27	70.43	2.07	1.31	23.64	125.51
217	14.31	76.96	2.30	1.58	21.92	127.52
218	14.40	97.06	2.93	1.58	20.70	129.19
219	14.49	110.63	3.49	1.67	19.70	130.61
220	14.52	116.64	3.72	1.67	19.35	131.58
221	14.58	122.91	4.07	1.75	18.79	132.31
222	14.67	136.40	4.38	2.10	18.15	132.90
223	14.72	142.84	4.47	2.02	17.10	133.34
224	14.77	154.09	4.53	2.02	16.25	133.55
225	14.85	159.76	4.53	2.02	15.33	133.44
226	14.91	160.19	4.11	1.93	14.61	132.75
227	14.97	149.37	3.38	1.75	14.48	131.81
228	15.04	135.45	3.27	1.67	15.96	130.92
229	15.15	108.14	3.29	1.58	18.42	130.49
230	15.19	100.41	3.24	1.67	21.10	130.16
231	15.23	93.80	3.24	1.49	23.30	129.96
232	15.32	80.83	3.34	1.67	25.43	129.87
233	15.37	79.28	3.38	1.67	28.59	129.70
234	15.46	66.05	3.39	1.75	30.91	129.54
235	15.51	63.22	3.39	1.75	33.90	129.30
236	15.55	58.75	3.39	1.75	35.48	129.06
237	15.64	55.32	3.26	1.75	36.51	128.81
238	15.69	55.83	3.19	1.84	35.89	128.61
239	15.78	59.78	3.10	1.93	34.77	128.51
240	15.82	60.04	3.04	1.93	34.22	128.25

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
241	15.92	56.00	2.87	2.02	34.97	127.87
242	15.97	52.40	2.76	2.10	35.83	127.39
243	16.01	51.45	2.64	2.10	35.91	126.79
244	16.10	50.25	2.32	2.37	35.09	126.23
245	16.15	51.11	2.21	2.46	33.60	125.85
246	16.25	54.71	2.22	2.89	32.38	125.85
247	16.29	56.26	2.23	2.89	31.26	125.96
248	16.39	57.98	2.23	3.07	30.81	126.06
249	16.41	58.32	2.26	3.07	30.54	126.22
250	16.47	59.52	2.34	3.07	30.69	126.47
251	16.55	59.95	2.43	3.07	31.14	126.83
252	16.61	60.04	2.60	3.16	32.00	127.35
253	16.71	60.56	2.86	3.16	32.87	127.84
254	16.75	61.07	2.97	3.25	33.37	128.42
255	16.84	63.90	3.23	3.33	33.68	128.92
256	16.89	64.94	3.43	3.33	33.49	129.36
257	16.94	67.51	3.45	3.33	31.94	129.46
258	17.03	74.47	3.18	3.42	30.35	129.58
259	17.07	77.30	3.41	3.51	28.89	130.33
260	17.19	88.81	4.19	3.77	28.47	131.32
261	17.21	93.80	4.43	3.86	29.15	132.28
262	17.27	87.78	4.92	3.86	26.59	133.16
263	17.32	129.44	5.21	4.21	24.70	133.94
264	17.40	132.19	5.46	4.21	22.35	134.56
265	17.46	134.85	5.60	4.21	22.47	134.80
266	17.55	134.17	5.69	4.30	22.87	134.89
267	17.59	129.36	5.72	4.30	23.92	134.86
268	17.66	119.39	5.75	4.30	25.73	134.59
269	17.73	104.96	5.52	4.21	29.11	133.91
270	17.82	78.94	5.02	3.95	32.67	132.97
271	17.87	72.67	4.59	3.95	36.43	131.81
272	17.92	62.96	4.11	3.86	38.18	130.59
273	18.00	54.20	3.40	4.03	40.39	129.16
274	18.06	47.24	2.93	4.12	42.41	127.69
275	18.11	41.66	2.61	4.38	43.53	126.51
276	18.20	41.06	2.32	4.74	42.54	125.53
277	18.25	43.20	2.02	5.00	40.13	124.79
278	18.33	44.06	1.90	5.09	38.34	124.47
279	18.38	44.92	1.99	5.00	38.70	125.20
280	18.47	47.76	2.57	5.00	39.48	126.52
281	18.52	52.22	3.03	5.17	35.39	128.75
282	18.61	84.95	3.89	5.79	30.95	130.59
283	18.65	98.52	4.33	5.96	26.79	132.25
284	18.70	114.93	4.82	5.70	25.70	133.33
285	18.79	118.36	5.45	5.00	26.11	134.12
286	18.84	111.40	5.78	5.09	28.49	134.59
287	18.93	99.21	6.16	5.09	31.04	134.72
288	18.97	96.37	6.17	5.09	32.86	134.65

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
289	19.08	94.23	5.97	5.09	33.10	134.49
290	19.12	94.57	5.85	5.17	32.80	134.30
291	19.17	95.69	5.74	5.35	30.57	133.43
292	19.25	97.40	3.92	5.35	27.17	131.82
293	19.30	96.72	2.77	5.26	24.47	130.06
294	19.39	90.96	3.14	5.17	24.92	129.37
295	19.44	81.86	3.21	5.00	27.99	129.49
296	19.50	72.41	3.20	5.00	31.17	129.15
297	19.58	63.65	3.08	5.00	34.85	128.63
298	19.62	54.03	2.96	5.00	38.57	127.87
299	19.71	46.73	2.71	5.17	42.25	127.08
300	19.76	42.35	2.55	5.53	43.88	126.23
301	19.85	41.92	2.28	5.61	43.48	125.72
302	19.90	44.41	2.25	5.70	42.77	125.40
303	19.96	42.26	2.24	5.70	42.24	125.37
304	20.03	43.55	2.23	5.53	42.21	125.41
305	20.09	45.01	2.27	5.26	41.50	125.74
306	20.18	47.24	2.46	5.09	41.71	126.22
307	20.22	46.90	2.64	5.09	40.77	127.02
308	20.31	55.23	2.93	5.09	39.34	127.69
309	20.36	59.27	3.01	5.09	37.58	128.27
310	20.45	60.56	3.10	5.00	37.35	128.50
311	20.50	59.09	3.16	5.00	36.97	128.75
312	20.54	63.90	3.24	5.26	35.92	129.07
313	20.61	69.66	3.37	5.26	34.80	129.45
314	20.68	69.92	3.49	5.17	34.26	129.71
315	20.74	70.52	3.50	5.35	34.68	129.70
316	20.82	67.34	3.40	5.35	35.45	129.48
317	20.87	63.13	3.30	5.35	37.59	129.06
318	20.95	54.71	3.20	5.35	40.29	128.61
319	21.01	50.42	3.10	5.53	42.60	128.14
320	21.08	49.56	2.96	5.61	42.87	127.85
321	21.14	51.28	2.91	5.79	42.11	127.73
322	21.23	52.31	2.91	5.88	41.78	127.71
323	21.28	50.94	2.92	6.05	41.68	127.87
324	21.37	53.17	3.06	6.23	41.52	128.19
325	21.42	56.17	3.24	6.23	40.70	128.48
326	21.46	57.29	3.18	6.14	39.55	128.59
327	21.60	59.35	3.08	5.96	38.40	128.50
328	21.70	60.73	3.03	5.96	37.53	128.60
329	21.74	62.79	3.21	5.96	37.38	128.90
330	21.79	63.48	3.40	5.96	37.84	129.38
331	21.87	64.08	3.63	5.96	37.74	129.82
332	21.93	68.63	3.73	5.96	38.10	130.15
333	22.02	65.71	3.85	5.96	38.49	130.34
334	22.06	64.68	3.92	5.96	39.43	130.54
335	22.15	66.31	4.09	6.14	39.23	130.79
336	22.25	70.00	4.18	6.40	38.57	131.03

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
337	22.29	71.46	4.18	6.40	37.40	131.20
338	22.34	75.16	4.21	6.23	36.69	131.34
339	22.39	76.19	4.30	6.23	35.89	131.63
340	22.48	80.57	4.52	6.23	34.93	131.94
341	22.53	86.32	4.58	6.23	33.78	132.24
342	22.57	88.81	4.61	6.23	33.44	132.16
343	22.66	82.03	4.36	5.88	34.35	131.84
344	22.71	75.33	4.19	5.88	37.50	131.14
345	22.80	59.35	3.92	5.88	40.42	130.53
346	22.84	59.44	3.80	5.88	42.32	129.88
347	22.94	59.44	3.49	6.05	41.54	129.55
348	22.97	59.52	3.43	6.14	40.61	129.17
349	23.03	59.52	3.25	5.96	40.93	128.66
350	23.12	53.00	2.93	5.61	41.89	127.96
351	23.17	48.96	2.74	5.61	44.02	126.93
352	23.26	42.69	2.36	5.61	45.70	126.05
353	23.31	40.80	2.23	5.61	46.95	125.08
354	23.40	38.39	2.00	5.88	47.41	124.55
355	23.44	38.14	1.99	5.96	47.03	124.26
356	23.49	39.94	2.00	6.23	45.44	124.61
357	23.59	45.18	2.18	6.49	43.04	125.16
358	23.64	49.56	2.28	6.75	41.41	125.88
359	23.73	51.36	2.48	6.93	39.64	126.46
360	23.77	57.03	2.55	7.01	38.28	126.93
361	23.84	59.70	2.60	7.19	36.61	127.13
362	23.90	61.16	2.55	7.28	35.99	127.21
363	23.98	60.98	2.58	7.28	35.67	127.18
364	24.05	61.20	2.55	7.37	35.58	127.07
365	24.09	60.56	2.43	7.54	35.42	127.00
366	24.18	61.24	2.51	7.72	35.24	127.73
367	24.27	70.26	3.21	8.24	33.09	128.85
368	24.32	86.41	3.39	8.68	30.80	130.02
369	24.37	93.11	3.61	8.77	28.84	130.69
370	24.41	96.54	3.82	8.77	29.86	131.08
371	24.49	84.43	4.01	7.28	31.70	131.21
372	24.56	80.91	4.00	7.28	34.92	131.02
373	24.61	71.38	3.92	7.98	36.20	130.50
374	24.70	69.40	3.42	8.33	37.59	129.72
375	24.75	63.56	3.14	8.59	37.66	128.84
376	24.81	60.73	2.89	9.03	37.98	128.14
377	24.89	60.21	2.70	9.29	38.45	128.00
378	24.98	60.13	3.03	9.29	39.32	128.32
379	25.02	60.30	3.27	9.38	40.12	128.96
380	25.07	63.48	3.47	9.38	39.70	129.80
381	25.14	71.72	4.01	9.47	38.00	131.12
382	25.21	85.89	4.87	9.65	34.26	132.94
383	25.30	115.70	5.89	9.65	31.52	134.42
384	25.35	122.66	6.33	9.29	30.50	135.48

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
385	25.43	119.13	6.90	8.59	31.60	135.84
386	25.48	112.78	6.91	8.51	33.63	135.86
387	25.53	103.24	6.74	8.24	36.11	135.43
388	25.60	88.90	6.35	7.72	38.96	134.61
389	25.67	77.05	5.55	8.33	41.38	133.43
390	25.76	69.83	4.69	9.38	41.98	132.29
391	25.81	70.00	4.35	9.47	41.43	131.39
392	25.86	68.37	4.03	9.56	40.86	130.80
393	25.94	65.62	3.77	9.29	40.85	130.28
394	25.99	63.99	3.62	9.29	41.23	129.74
395	26.08	60.56	3.38	9.29	41.63	129.31
396	26.13	59.27	3.26	9.29	42.46	128.72
397	26.22	54.37	2.99	9.29	43.09	128.21
398	26.26	53.17	2.86	9.29	43.68	127.63
399	26.32	51.62	2.70	9.38	43.41	127.11
400	26.41	50.85	2.47	9.56	42.91	126.62
401	26.45	50.85	2.37	9.56	42.14	126.14
402	26.54	50.42	2.24	9.38	41.69	125.86
403	26.58	50.33	2.22	9.38	41.47	125.71
404	26.68	50.46	2.24	9.47	41.81	125.75
405	26.73	49.73	2.29	9.47	42.16	125.91
406	26.77	50.51	2.36	9.56	42.40	126.22
407	26.84	52.31	2.50	9.56	42.07	126.78
408	26.91	56.09	2.76	9.56	41.30	127.45
409	26.97	59.87	2.93	9.47	40.77	128.24
410	27.05	62.62	3.27	9.56	41.23	128.98
411	27.10	62.02	3.60	9.38	42.81	129.98
412	27.19	63.90	4.29	9.56	43.63	130.83
413	27.23	68.80	4.50	9.56	43.86	131.47
414	27.33	68.63	4.58	9.29	43.75	131.70
415	27.37	67.51	4.64	9.38	42.44	131.98
416	27.43	79.02	4.81	8.86	42.02	132.31
417	27.50	75.24	5.07	9.12	41.73	132.71
418	27.56	74.81	5.30	9.82	42.38	133.02
419	27.63	79.97	5.45	10.35	41.36	133.41
420	27.70	86.75	5.65	10.35	39.27	133.98
421	27.80	96.97	6.12	10.79	37.85	134.46
422	27.84	98.09	6.20	10.87	37.43	134.66
423	27.93	93.62	6.02	11.66	37.55	134.53
424	27.96	94.05	5.86	11.84	37.46	134.21
425	28.02	93.28	5.53	11.57	37.60	133.69
426	28.12	83.83	5.00	12.19	38.02	133.14
427	28.16	82.54	4.90	12.37	39.22	132.68
428	28.26	78.76	4.88	12.80	39.83	132.57
429	28.30	78.85	4.88	13.07	40.22	132.53
430	28.35	79.71	4.86	13.51	37.57	133.36
431	28.44	108.48	6.02	14.47	33.19	134.66
432	28.48	137.52	6.73	13.86	30.38	136.37

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
433	28.58	147.31	8.15	12.72	29.31	137.28
434	28.63	151.86	8.66	12.54	29.81	137.28
435	28.71	151.95	8.91	12.54	30.25	137.28
436	28.76	146.62	8.73	12.54	32.40	137.28
437	28.85	116.30	8.25	12.54	35.21	137.28
438	28.90	107.88	7.93	13.07	38.73	136.83
439	28.95	99.81	7.55	14.03	39.00	136.00
440	29.03	97.83	6.13	14.91	38.02	135.12
441	29.09	99.12	5.68	15.26	36.48	134.56
442	29.18	101.44	6.08	14.82	36.22	134.67
443	29.22	102.21	6.31	14.21	36.66	135.06
444	29.27	103.24	6.59	13.94	35.97	135.55
445	29.33	116.79	7.05	13.86	34.82	136.18
446	29.41	126.09	7.61	13.24	33.69	136.86
447	29.50	130.04	8.08	13.51	33.37	137.28
448	29.55	134.42	8.52	13.33	33.70	137.28
449	29.60	133.48	8.90	13.33	33.84	137.28
450	29.69	138.03	9.20	14.29	33.56	137.28
451	29.74	143.87	9.11	14.38	32.88	137.28
452	29.81	143.79	8.98	14.38	32.86	137.28
453	29.88	138.29	9.14	14.38	33.74	137.28
454	29.97	134.08	9.37	16.05	34.67	137.28
455	30.01	134.60	9.31	16.66	34.99	137.28
456	30.05	135.20	9.24	17.36	32.13	137.28
457	30.16	143.61	6.05	17.19	28.31	136.46
458	30.20	149.54	5.27	16.84	24.25	135.10
459	30.27	155.04	5.50	16.75	23.22	135.09
460	30.33	159.59	5.82	16.22	23.01	135.63
461	30.42	169.38	6.29	15.26	22.96	136.08
462	30.45	170.41	6.44	15.26	25.27	136.46
463	30.53	133.31	7.17	23.15	28.30	136.81
464	30.59	135.97	7.79	21.75	31.72	137.28
465	30.66	143.96	8.75	20.17	31.45	137.28
466	30.71	152.29	8.69	18.85	30.13	137.28
467	30.80	154.70	7.63	19.03	28.63	137.28
468	30.84	155.12	7.45	19.12	27.51	137.28
469	30.93	156.16	7.32	19.03	27.14	137.21
470	30.99	158.04	7.32	18.77	27.90	137.10
471	31.04	141.38	7.35	18.42	25.80	137.28
472	31.11	194.29	7.35	16.93	23.78	137.28
473	31.18	197.13	7.16	16.14	21.21	137.28
474	31.23	196.35	6.97	16.40	19.95	136.87
475	31.32	196.44	5.41	16.75	17.19	135.25
476	31.38	201.51	3.25	17.19	14.70	133.90
477	31.45	210.78	4.24	17.19	13.32	133.69
478	31.50	228.31	4.83	16.93	13.70	135.14
479	31.60	249.52	5.59	16.31	13.54	136.12
480	31.64	260.95	5.96	15.96	14.22	136.92

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
481	31.73	242.82	6.60	15.96	14.62	137.28
482	31.77	263.95	6.93	15.96	14.86	137.28
483	31.85	283.36	7.43	14.12	14.17	137.28
484	31.90	291.18	7.41	13.77	13.43	137.28
485	31.96	302.78	7.08	13.77	12.45	137.28
486	32.05	313.77	6.57	13.86	11.47	137.28
487	32.10	321.24	6.44	13.86	10.74	137.28
488	32.17	327.77	6.39	14.03	9.75	137.28
489	32.24	330.86	5.02	14.03	8.42	136.39
490	32.29	331.12	4.00	14.03	7.74	135.80
491	32.37	332.41	5.18	14.21	8.08	136.15
492	32.43	332.67	5.70	14.29	9.41	137.28
493	32.52	328.46	6.62	14.03	11.11	137.28
494	32.55	276.49	6.85	14.03	11.87	137.28
495	32.63	297.97	6.00	15.87	10.53	135.88
496	32.70	278.64	2.26	14.03	7.78	133.26
497	32.75	273.57	2.31	13.51	5.78	130.06
498	32.82	252.36	2.38	12.80	6.98	130.46
499	32.89	232.94	2.79	12.54	9.22	131.35
500	32.97	212.50	3.53	12.45	12.05	132.40
501	33.03	192.92	4.01	10.79	14.99	133.31
502	33.07	182.70	4.49	11.57	19.03	134.13
503	33.17	148.17	5.49	11.66	23.00	134.75
504	33.21	140.27	5.79	12.01	27.36	135.19
505	33.30	131.76	6.13	13.94	29.40	135.39
506	33.35	128.15	6.25	14.56	32.18	135.50
507	33.44	112.26	6.53	16.84	34.59	135.57
508	33.49	109.77	6.70	18.06	37.32	135.61
509	33.53	105.13	6.81	18.85	38.50	135.69
510	33.61	104.36	6.91	19.03	38.23	135.27
511	33.67	103.85	5.67	18.85	34.99	133.86
512	33.76	104.45	3.42	18.42	31.87	132.44
513	33.86	104.53	4.08	17.89	31.16	131.60
514	33.95	95.08	4.35	17.98	33.70	132.16
515	34.00	93.62	4.53	18.06	36.99	132.57
516	34.09	87.01	5.11	20.61	38.58	133.07
517	34.12	92.51	5.39	22.27	38.18	133.94
518	34.23	111.23	6.08	20.78	36.57	134.70
519	34.27	113.72	6.38	20.87	34.67	135.44
520	34.36	124.37	6.68	26.13	33.61	135.82
521	34.41	129.96	6.75	30.43	32.18	136.17
522	34.46	136.83	6.92	30.69	31.25	136.50
523	34.55	143.53	7.31	25.96	30.75	136.82
524	34.58	144.65	7.43	25.69	30.33	137.14
525	34.66	150.92	7.63	25.43	29.98	137.28
526	34.73	152.12	7.58	24.82	29.88	137.28
527	34.78	147.82	7.53	24.11	30.94	137.18
528	34.87	133.39	7.46	23.68	32.51	136.99

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
529	34.91	129.01	7.43	24.03	34.52	136.79
530	35.01	121.20	7.40	24.55	35.72	136.66
531	35.05	118.88	7.37	24.55	36.46	136.54
532	35.15	119.26	7.25	25.08	36.86	136.42
533	35.19	115.27	7.17	25.26	36.56	136.33
534	35.24	119.65	7.08	25.96	32.60	135.21
535	35.38	132.71	4.00	24.99	27.13	133.14
536	35.47	128.33	2.50	24.03	21.45	130.14
537	35.52	124.63	2.47	23.68	20.63	128.57
538	35.61	110.55	2.41	22.54	21.94	128.27
539	35.65	106.25	2.36	22.19	26.37	127.70
540	35.70	68.84	2.34	18.15	31.19	127.42
541	35.78	68.84	2.52	15.08	37.97	127.63
542	35.84	68.84	2.99	14.21	51.55	127.92
543	35.93	17.44	3.47	13.77	71.90	127.83
544	35.97	22.25	3.53	13.59	97.28	127.35
545	36.03	31.95	3.73	13.59	81.84	128.36
546	36.10	40.80	3.96	13.24	68.87	129.28
547	36.16	51.54	3.95	14.38	58.18	130.07
548	36.26	66.74	4.03	19.73	49.02	130.58
549	36.30	72.32	4.07	22.98	43.78	131.06
550	36.40	80.40	4.17	25.34	40.64	131.43
551	36.44	88.73	4.27	25.26	37.60	131.86
552	36.48	97.58	4.40	24.99	33.53	132.60
553	36.58	123.34	4.83	23.85	30.04	133.31
554	36.62	135.45	4.98	25.61	26.40	134.10
555	36.68	158.47	5.22	21.57	24.32	134.66
556	36.76	167.75	5.48	20.87	23.54	135.25
557	36.87	165.35	5.94	20.08	24.06	135.59
558	36.90	160.97	6.00	20.26	25.16	135.78
559	36.95	155.73	6.07	20.17	26.66	135.75
560	37.04	142.33	6.16	19.99	26.97	135.67
561	37.09	154.82	5.90	20.08	27.65	135.67
562	37.20	146.62	6.19	21.66	26.90	135.70
563	37.23	153.92	6.08	21.92	25.76	135.96
564	37.33	178.92	6.22	22.19	23.85	136.26
565	37.36	187.33	6.44	21.48	22.38	136.68
566	37.41	195.24	6.69	20.87	21.45	137.20
567	37.50	216.97	7.20	19.03	20.33	137.28
568	37.54	230.20	7.21	19.03	18.92	137.28
569	37.64	245.23	7.16	19.12	17.81	137.28
570	37.68	253.64	7.18	19.12	16.94	137.28
571	37.77	262.75	7.28	19.29	16.45	137.28
572	37.81	266.79	7.30	19.29	16.14	137.28
573	37.87	268.59	7.30	19.29	15.94	137.28
574	37.96	268.25	7.15	19.29	15.80	137.28
575	38.01	269.19	7.10	19.12	15.65	137.28
576	38.10	270.31	7.06	18.85	15.61	137.28

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
577	38.15	267.39	7.01	18.50	15.63	137.28
578	38.19	265.33	6.95	18.59	15.90	137.28
579	38.27	255.62	6.86	18.42	16.16	137.28
580	38.33	253.30	6.79	18.06	16.39	137.28
581	38.39	252.96	6.75	17.71	15.54	137.22
582	38.47	254.93	5.30	17.63	13.24	135.67
583	38.53	258.28	3.16	17.54	11.31	134.36
584	38.60	263.69	4.20	17.54	10.83	134.21
585	38.66	267.30	4.97	17.54	12.51	135.74
586	38.74	266.10	5.99	17.71	13.83	136.74
587	38.78	264.55	6.40	17.80	16.03	137.28
588	38.88	237.50	7.54	19.82	17.93	137.28
589	38.91	233.89	7.79	19.03	19.77	137.28
590	39.01	233.89	8.06	16.75	20.06	137.28
591	39.05	235.26	7.90	16.05	19.85	137.28
592	39.11	235.09	7.45	15.43	18.77	137.28
593	39.21	208.55	4.69	15.35	17.10	134.93
594	39.25	179.18	2.59	15.52	16.86	132.12
595	39.34	144.39	3.30	15.79	19.94	130.73
596	39.39	112.44	3.45	14.64	26.97	130.91
597	39.45	91.65	3.56	14.03	34.01	130.64
598	39.53	77.05	3.66	14.29	40.44	130.42
599	39.59	68.03	3.74	13.42	46.34	130.19
600	39.68	59.70	3.76	15.52	50.79	129.97
601	39.72	56.78	3.71	15.61	56.68	129.65
602	39.77	51.19	3.61	16.31	58.63	129.26
603	39.85	49.82	3.39	17.98	59.39	128.79
604	39.91	50.51	3.17	19.55	58.05	128.42
605	39.97	52.22	3.09	20.52	56.31	128.32
606	40.05	54.54	3.17	21.31	52.81	128.53
607	40.11	57.12	3.31	21.75	51.65	128.90
608	40.19	59.61	3.44	21.66	50.70	129.21
609	40.23	61.07	3.48	21.40	49.83	129.33
610	40.32	61.50	3.38	21.66	49.28	129.26
611	40.37	61.16	3.32	21.22	48.98	129.15
612	40.46	61.16	3.33	21.66	49.08	129.14
613	40.51	61.16	3.38	21.84	48.71	129.32
614	40.56	64.51	3.50	22.19	47.90	129.78
615	40.64	69.40	3.83	22.36	46.26	130.36
616	40.70	74.99	4.00	22.19	55.78	130.38
617	40.77	35.22	4.11	22.19	47.46	130.69
618	40.84	97.58	3.77	20.70	42.03	130.52
619	40.89	99.29	3.31	20.52	31.24	129.92
620	40.98	97.58	2.45	20.61	29.30	128.74
621	41.03	94.57	2.38	20.61	29.12	127.70
622	41.12	84.61	2.36	20.87	31.52	127.45
623	41.16	76.10	2.39	21.57	34.72	127.30
624	41.21	71.81	2.46	21.92	39.86	127.82

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
625	41.30	62.79	3.15	23.59	44.31	128.55
626	41.35	63.56	3.40	24.47	44.93	129.61
627	41.49	81.00	3.71	28.85	43.42	130.20
628	41.53	77.39	3.77	27.27	43.37	130.49
629	41.58	67.60	3.77	24.82	47.26	130.28
630	41.63	60.30	3.74	27.27	50.42	129.89
631	41.67	60.30	3.49	26.31	50.73	129.29
632	41.76	60.30	3.04	27.27	47.62	128.79
633	41.81	67.08	2.94	27.45	43.59	128.47
634	41.90	73.95	2.89	26.22	40.13	128.53
635	41.98	77.82	2.87	25.96	37.98	128.61
636	42.00	79.88	2.87	25.87	36.52	128.77
637	42.08	84.69	2.95	25.61	35.08	129.06
638	42.13	91.05	3.05	24.99	33.72	129.50
639	42.21	95.86	3.24	24.55	32.78	129.94
640	42.27	98.78	3.36	23.94	32.37	130.31
641	42.33	100.41	3.44	23.68	32.25	130.61
642	42.41	102.13	3.59	23.24	31.99	130.92
643	42.50	106.51	3.72	22.54	31.65	131.17
644	42.54	108.14	3.73	22.19	30.98	131.34
645	42.59	111.32	3.74	21.75	29.79	131.24
646	42.68	115.79	3.45	21.40	27.95	131.00
647	42.78	122.06	3.24	20.96	26.35	130.73
648	42.79	123.34	3.25	20.78	25.58	130.73
649	42.87	124.46	3.37	20.34	25.78	130.94
650	42.96	124.37	3.51	19.99	26.18	131.18
651	43.01	124.29	3.59	19.99	26.39	131.45
652	43.06	127.90	3.72	18.68	26.11	131.79
653	43.15	135.20	3.91	18.42	25.52	132.13
654	43.20	139.84	3.98	18.33	24.91	132.43
655	43.24	143.10	4.06	18.24	24.11	132.65
656	43.34	151.77	4.12	17.98	23.52	132.83
657	43.38	153.06	4.15	17.89	22.77	133.02
658	43.48	159.76	4.24	17.89	22.61	133.21
659	43.52	159.85	4.37	17.80	22.75	133.48
660	43.59	158.47	4.58	17.63	23.37	133.76
661	43.66	158.30	4.78	17.45	23.99	134.03
662	43.70	157.96	4.91	17.36	24.21	134.36
663	43.80	164.40	5.16	17.01	24.13	134.60
664	43.84	166.81	5.18	17.01	23.87	134.73
665	43.90	166.29	5.11	16.84	24.16	134.68
666	43.98	158.47	5.12	16.84	25.56	134.59
667	44.07	143.19	5.25	16.93	27.68	134.49
668	44.10	134.68	5.25	16.84	29.56	133.79
669	44.17	118.36	4.14	16.84	30.46	132.06
670	44.30	96.54	2.67	16.49	32.24	130.34
671	44.39	87.18	3.19	17.63	33.61	129.58
672	44.45	95.73	3.40	19.91	36.80	130.17

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
673	44.49	83.32	3.60	21.66	37.04	130.79
674	44.58	94.91	3.98	24.38	38.11	131.30
675	44.64	96.72	4.18	22.89	37.66	131.76
676	44.72	93.80	4.21	21.22	38.44	131.82
677	44.78	90.96	4.15	20.70	39.48	131.66
678	44.82	87.44	4.05	20.70	40.77	131.29
679	44.91	80.22	3.79	20.96	42.54	130.77
680	44.96	73.70	3.59	21.75	44.73	129.82
681	45.05	64.25	3.00	22.10	46.26	128.81
682	45.09	61.84	2.71	22.19	47.31	127.70
683	45.15	57.98	2.51	22.63	49.21	127.04
684	45.24	51.11	2.48	22.63	52.12	126.65
685	45.29	49.05	2.51	22.71	59.69	126.67
686	45.38	42.78	2.78	23.41	63.86	127.05
687	45.42	42.86	3.06	24.38	62.33	128.06
688	45.52	60.64	3.48	26.48	47.11	129.54
689	45.56	101.44	3.66	28.41	35.13	130.97
690	45.61	130.64	3.88	28.94	26.02	132.32
691	45.70	176.08	4.33	22.71	22.43	133.33
692	45.74	179.60	4.65	21.84	21.31	133.96
693	45.84	169.04	4.68	21.48	22.40	133.99
694	45.88	157.96	4.54	21.31	25.42	133.68
695	45.98	123.95	4.59	20.52	29.15	133.26
696	46.02	112.01	4.51	19.99	34.55	132.71
697	46.07	93.80	4.33	20.52	39.25	132.04
698	46.15	76.79	4.06	20.34	45.21	131.13
699	46.22	64.25	3.73	20.52	50.43	130.26
700	46.26	59.87	3.55	20.87	57.72	129.17
701	46.35	47.67	3.01	23.50	61.50	128.05
702	46.40	42.60	2.66	24.91	64.61	126.35
703	46.49	39.17	2.01	26.83	65.10	124.83
704	46.54	36.85	1.74	28.06	63.75	123.00
705	46.61	34.96	1.36	29.99	62.73	121.87
706	46.68	35.22	1.33	31.83	61.86	121.39
707	46.72	36.16	1.47	32.53	61.47	122.29
708	46.81	40.54	1.82	34.20	61.25	123.30
709	46.85	41.57	1.92	34.55	60.38	124.81
710	46.96	47.67	2.47	36.22	58.74	126.18
711	47.00	54.80	2.85	37.88	55.77	128.15
712	47.09	67.25	3.65	40.60	44.90	130.04
713	47.14	101.27	4.11	45.25	36.94	131.76
714	47.18	126.95	4.46	47.70	27.79	133.54
715	47.28	190.77	5.31	44.55	23.00	134.86
716	47.32	209.15	5.65	33.85	20.40	136.00
717	47.41	217.57	6.13	26.22	19.84	136.44
718	47.46	221.26	6.08	24.55	18.14	135.71
719	47.54	221.78	3.85	24.38	15.32	133.85
720	47.60	219.29	2.52	24.29	12.53	131.58

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
721	47.64	216.28	2.78	24.11	12.67	131.11
722	47.73	200.65	3.37	24.03	14.66	131.96
723	47.78	194.21	3.73	23.85	18.52	132.76
724	47.84	153.41	4.33	23.59	21.72	134.20
725	47.93	184.07	5.99	21.40	24.58	135.44
726	47.97	183.73	6.43	21.57	24.36	136.73
727	48.05	199.70	7.00	23.06	23.65	137.28
728	48.11	218.26	7.18	25.43	21.50	137.28
729	48.20	247.29	7.02	25.43	19.80	137.28
730	48.25	244.54	6.74	24.20	18.71	137.28
731	48.30	238.70	6.43	22.45	18.22	137.02
732	48.39	233.98	5.53	20.87	17.46	136.24
733	48.44	231.74	4.94	20.17	16.48	135.31
734	48.49	226.67	4.49	19.82	16.12	134.72
735	48.58	220.23	4.48	19.64	16.36	134.41
736	48.62	213.28	4.48	19.47	17.23	134.33
737	48.71	201.51	4.53	19.20	18.67	134.31
738	48.76	185.70	4.69	19.20	21.19	134.37
739	48.83	163.28	4.99	19.38	24.71	134.34
740	48.90	140.52	5.04	18.85	33.53	133.96
741	48.99	108.14	4.77	19.29	38.42	133.38
742	49.03	99.55	4.66	19.73	42.72	132.80
743	49.09	94.05	4.58	20.52	45.03	132.47
744	49.17	86.50	4.49	23.50	47.68	132.15
745	49.22	78.16	4.42	26.92	48.97	131.06
746	49.31	71.81	3.06	28.41	49.01	129.58
747	49.36	68.11	2.55	24.29	48.74	127.82
748	49.43	59.95	2.51	23.94	51.07	126.83
749	49.49	52.31	2.29	24.55	54.81	126.18
750	49.55	48.79	2.19	25.52	57.53	125.75
751	49.63	47.84	2.27	26.31	60.75	125.60
752	49.67	42.09	2.31	26.05	62.74	125.34
753	49.77	41.83	2.07	29.29	65.03	124.83
754	49.81	39.17	1.97	29.64	65.33	124.19
755	49.90	37.54	1.85	30.43	59.26	120.93
756	49.95	36.93	0.00	31.66	48.46	115.60
757	50.04	38.22	0.00	34.11	N/A	87.36
758	50.09	39.77	0.00	35.43	N/A	87.36
759	50.13	40.71	0.00	34.81	N/A	87.36
760	50.23	43.03	0.00	35.78	N/A	87.36
761	50.27	46.13	0.00	36.74	N/A	87.36

Abbreviations

Depth:	Depth from free surface, at which CPT was performed (ft)
q_c:	Measured cone resistance (tsf)
f_s:	Sleeve friction resistance (tsf)
u:	Pore pressure (tsf)
Fines content:	Percentage of fines in soil (%)
Unit weight:	Bulk soil unit weight (pcf)

Fenagh Engineering and Testing
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Rancho Cucamonga, CA 91730
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LIQUEFACTION ANALYSIS REPORT

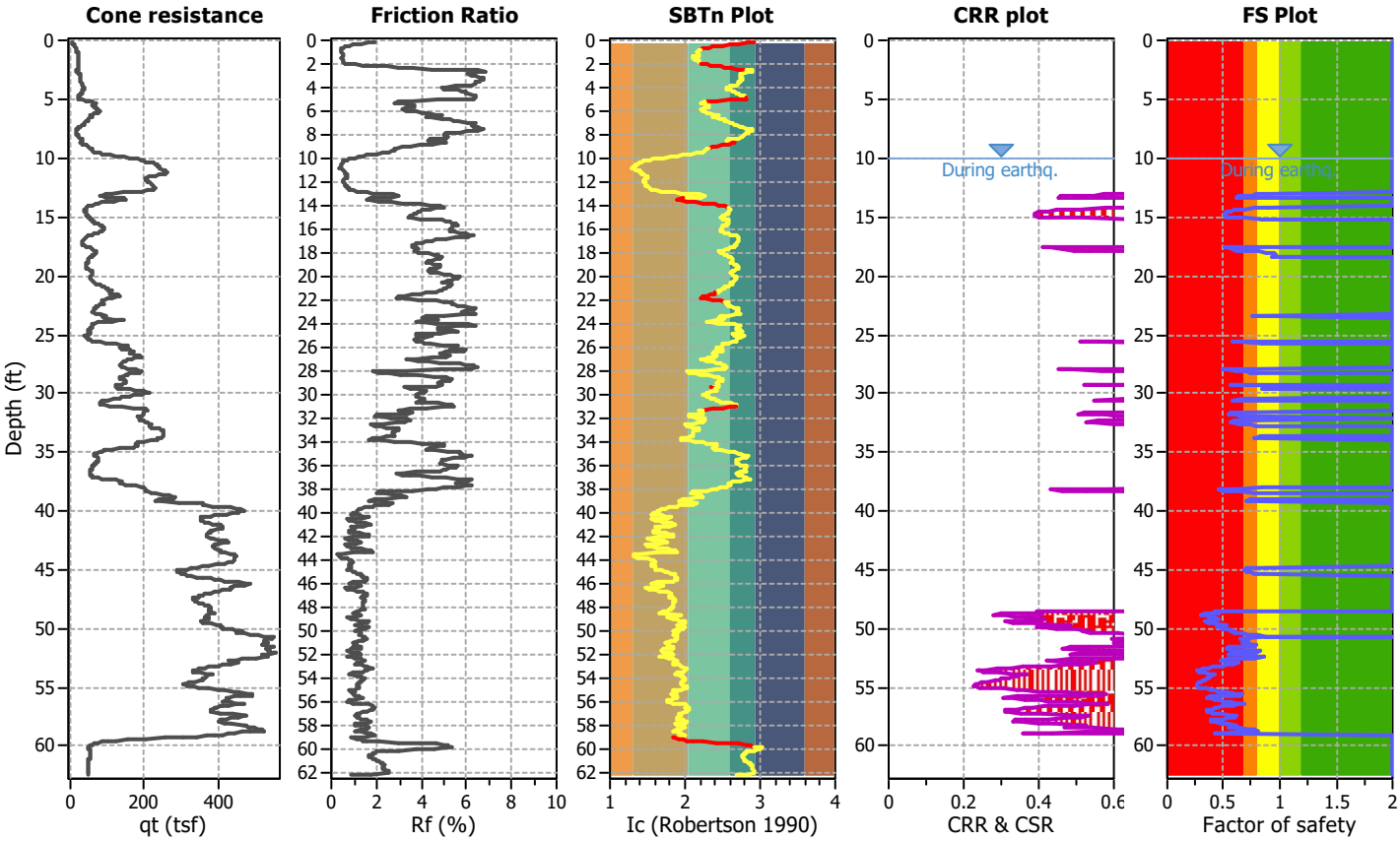
Project title : Centennial High School

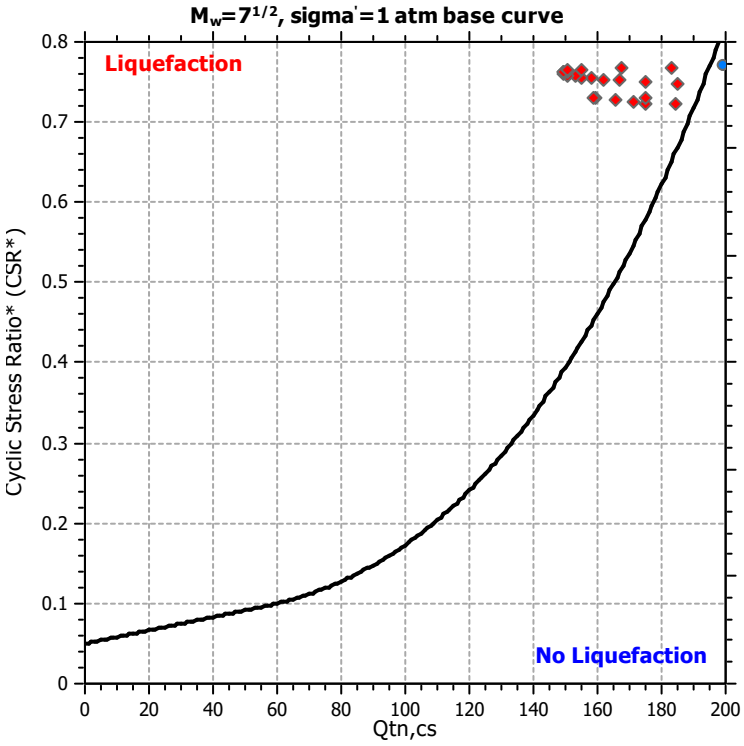
Location : 2606 N. Central Ave, Compton, CA 90222

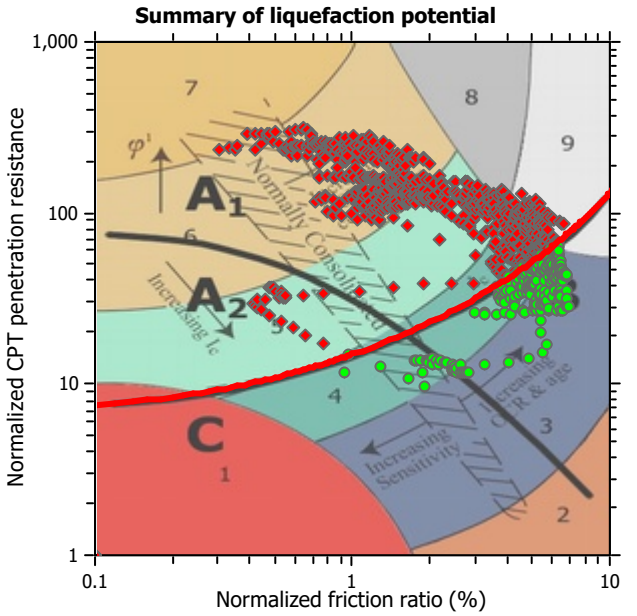
CPT file : CPT-15

Input parameters and analysis data

Analysis method:	NCEER (1998)	G.W.T. (in-situ):	50.00 ft	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	NCEER (1998)	G.W.T. (earthq.):	10.00 ft	Fill height:	N/A	Limit depth applied:	No
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	N/A
Earthquake magnitude M_w:	7.30	Ic cut-off value:	2.60	Trans. detect. applied:	Yes	MSF method:	Method based
Peak ground acceleration:	0.83	Unit weight calculation:	Based on SBT	K_σ applied:	Yes		

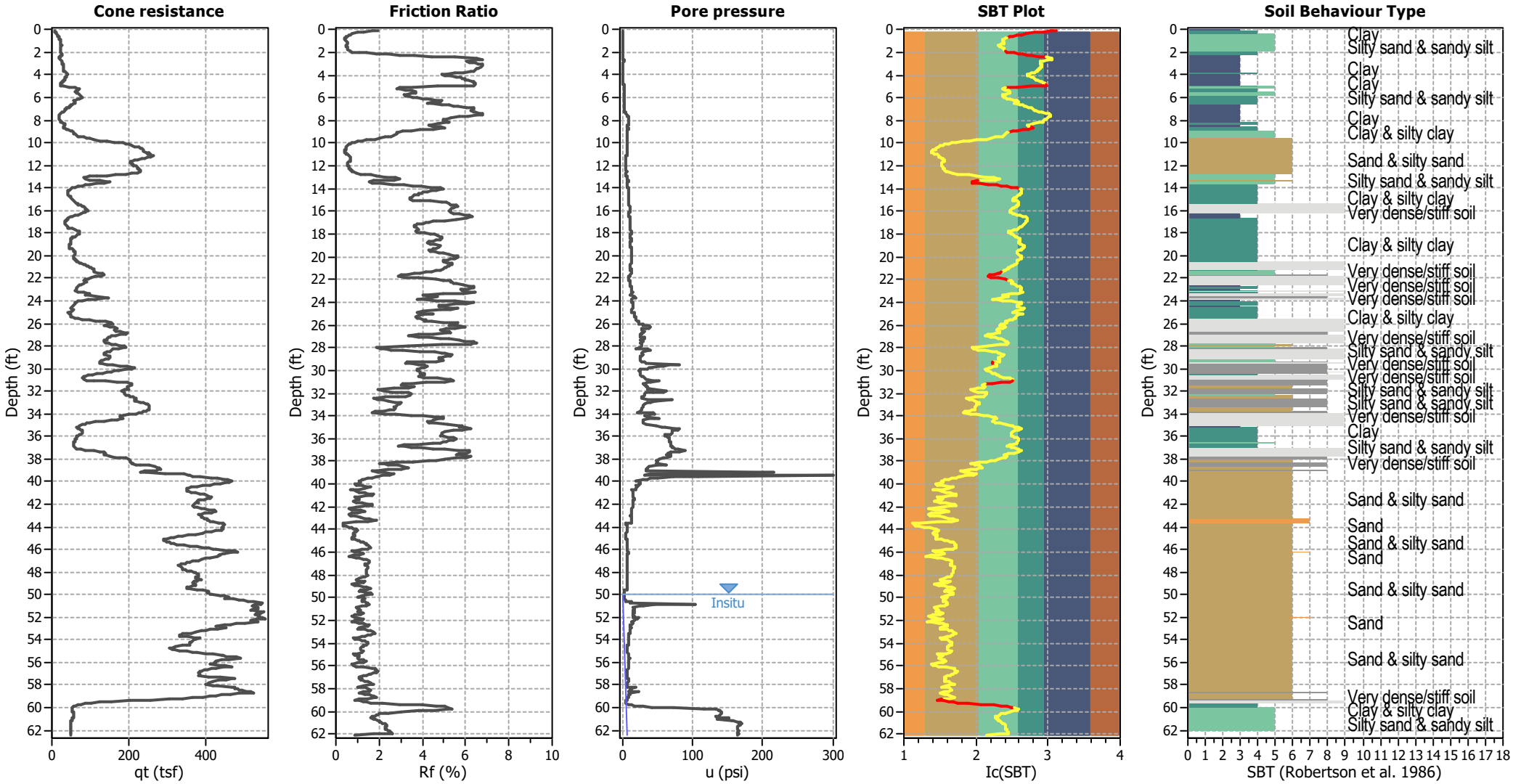






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and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

CPT basic interpretation plots



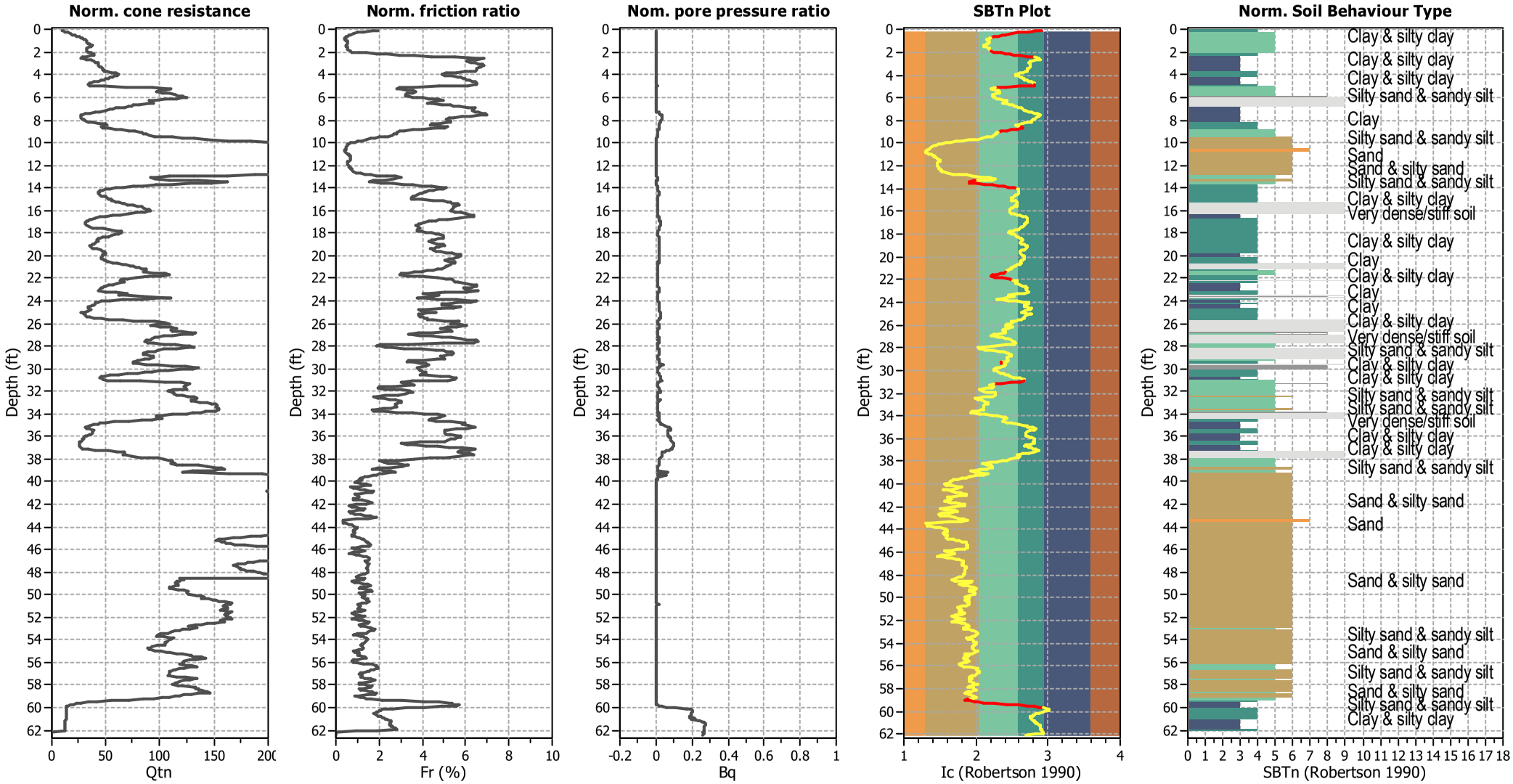
Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	7.30	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.83	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	50.00 ft	Fill height:	N/A	Limit depth:	N/A

SBT legend

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

CPT basic interpretation plots (normalized)



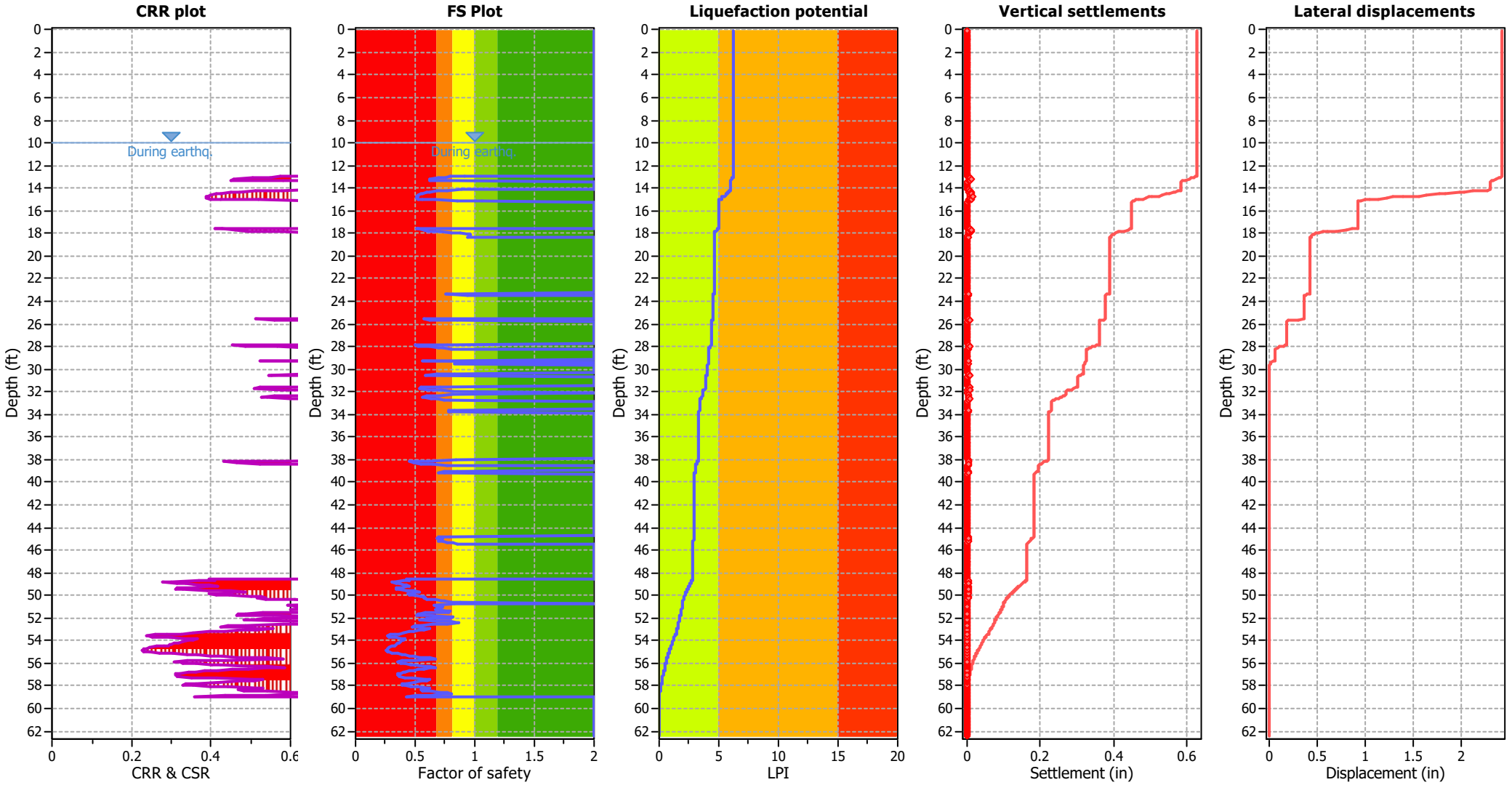
Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	7.30	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.83	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	50.00 ft	Fill height:	N/A	Limit depth:	N/A

SBTn legend

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

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	7.30	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.83	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	50.00 ft	Fill height:	N/A	Limit depth:	N/A

F.S. color scheme

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

LPI color scheme

- Very high risk
- High risk
- Low risk

:: Field input data ::

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
1	0.09	5.58	0.12	0.26	52.64	98.71
2	0.14	6.61	0.11	0.26	48.19	98.64
3	0.23	7.56	0.10	0.26	41.63	98.50
4	0.28	9.19	0.09	0.26	35.38	98.06
5	0.36	10.82	0.08	0.26	30.40	97.83
6	0.42	12.19	0.08	0.26	27.18	97.75
7	0.46	13.05	0.08	0.26	24.82	97.90
8	0.55	14.51	0.08	0.26	22.82	97.97
9	0.60	15.71	0.07	0.35	5.00	98.03
10	0.69	17.35	0.07	0.35	5.00	98.13
11	0.72	17.60	0.07	0.35	5.00	98.35
12	0.83	18.12	0.08	0.35	5.00	98.51
13	0.87	18.55	0.08	0.35	5.00	98.65
14	0.92	19.24	0.08	0.35	5.00	99.19
15	1.01	19.84	0.09	0.35	5.00	99.97
16	1.06	20.01	0.10	0.35	18.21	100.93
17	1.13	19.92	0.11	0.35	18.46	101.43
18	1.19	20.35	0.11	0.35	18.11	101.75
19	1.29	21.81	0.11	0.35	17.27	101.85
20	1.34	22.76	0.11	0.35	5.00	101.90
21	1.38	23.53	0.11	0.35	5.00	101.77
22	1.47	22.84	0.11	0.44	5.00	101.64
23	1.53	21.38	0.11	0.35	17.17	101.45
24	1.62	20.01	0.11	0.35	18.05	101.38
25	1.68	20.01	0.11	0.35	18.45	101.29
26	1.75	20.01	0.11	0.35	18.46	101.29
27	1.80	20.01	0.11	0.35	18.45	101.35
28	1.85	20.18	0.11	0.35	19.33	102.74
29	1.98	21.04	0.17	0.44	20.32	104.30
30	1.99	21.47	0.20	0.35	22.38	107.12
31	2.07	23.01	0.33	0.44	24.49	109.70
32	2.13	24.04	0.45	0.35	26.73	112.14
33	2.17	24.65	0.56	0.44	29.46	114.25
34	2.26	24.56	0.76	0.44	32.17	115.62
35	2.31	23.36	0.83	0.44	35.87	116.47
36	2.37	20.35	0.88	0.44	40.81	116.87
37	2.45	17.35	1.00	0.44	46.67	117.21
38	2.50	16.14	1.08	0.44	50.91	117.83
39	2.59	17.09	1.21	0.53	51.16	118.49
40	2.63	19.06	1.27	0.79	47.76	119.44
41	2.72	23.61	1.39	1.05	44.40	120.19
42	2.76	25.07	1.45	1.05	42.77	121.00
43	2.86	25.33	1.61	0.88	42.72	121.50
44	2.91	26.02	1.66	0.88	42.51	121.97
45	2.95	27.65	1.71	0.53	42.60	122.21
46	3.03	26.36	1.76	0.26	42.90	122.42
47	3.09	26.45	1.80	0.00	43.64	122.56
48	3.19	26.88	1.82	0.00	43.52	122.67

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
49	3.23	27.14	1.83	0.00	43.23	122.76
50	3.32	27.48	1.85	0.00	42.83	122.85
51	3.37	28.17	1.86	0.00	42.09	122.99
52	3.42	29.45	1.89	0.00	41.41	123.16
53	3.51	29.88	1.93	0.00	40.97	123.31
54	3.56	29.97	1.94	0.00	40.82	123.40
55	3.65	30.31	1.94	0.00	40.64	123.41
56	3.69	30.40	1.93	0.00	39.78	123.44
57	3.76	32.20	1.91	0.00	38.35	123.50
58	3.81	34.26	1.91	0.00	36.19	123.58
59	3.88	36.75	1.86	0.00	34.06	123.66
60	3.97	39.24	1.85	0.00	32.89	123.76
61	4.02	38.81	1.91	0.00	33.31	123.87
62	4.10	36.07	1.96	0.00	34.77	123.90
63	4.15	34.78	1.96	0.00	36.22	123.84
64	4.20	34.01	1.94	0.00	37.29	123.69
65	4.28	32.12	1.92	0.53	38.05	123.52
66	4.34	31.69	1.88	0.61	38.79	123.27
67	4.44	30.66	1.82	0.61	39.33	123.02
68	4.48	29.37	1.78	0.61	40.59	122.60
69	4.58	26.45	1.68	0.61	42.31	122.08
70	4.62	24.39	1.58	0.61	44.01	121.42
71	4.67	23.10	1.48	0.61	45.26	120.74
72	4.76	21.38	1.36	0.61	46.21	120.24
73	4.80	20.87	1.36	0.61	46.87	119.89
74	4.89	20.78	1.33	1.05	46.59	119.88
75	4.94	21.73	1.34	1.67	44.74	120.08
76	4.99	24.56	1.39	1.84	35.60	121.23
77	5.08	44.83	1.56	2.46	26.96	122.60
78	5.13	59.51	1.66	2.81	21.13	124.14
79	5.21	70.24	1.93	2.54	19.19	125.11
80	5.25	70.50	2.03	2.37	19.54	125.78
81	5.32	65.09	2.14	2.10	21.08	125.99
82	5.40	60.63	2.20	2.02	22.49	126.12
83	5.45	61.83	2.25	2.02	23.41	126.17
84	5.54	59.42	2.26	1.93	23.23	126.25
85	5.59	62.77	2.25	1.93	22.24	126.34
86	5.67	69.81	2.24	1.93	20.87	126.48
87	5.72	71.62	2.25	1.84	19.96	126.70
88	5.82	73.08	2.34	1.75	19.80	126.94
89	5.85	74.62	2.42	1.75	20.07	127.56
90	5.96	77.97	2.79	1.67	20.48	128.21
91	6.00	78.92	2.97	1.75	21.14	128.79
92	6.04	77.37	3.05	1.67	22.20	128.97
93	6.13	71.45	3.10	1.75	23.55	128.89
94	6.18	66.64	3.03	1.75	25.70	128.58
95	6.25	57.71	2.96	1.67	27.51	128.10
96	6.32	54.36	2.79	1.49	27.98	127.50

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
97	6.37	57.28	2.49	1.58	26.54	127.16
98	6.46	62.09	2.51	1.58	25.48	126.92
99	6.51	58.14	2.49	1.49	26.61	126.79
100	6.60	49.12	2.47	1.31	29.39	126.47
101	6.65	44.31	2.46	1.49	31.31	126.29
102	6.72	47.83	2.48	1.40	32.09	126.31
103	6.78	46.03	2.55	1.49	33.03	126.34
104	6.87	40.79	2.56	1.58	34.99	126.22
105	6.91	39.50	2.52	1.49	36.89	125.93
106	6.96	37.35	2.43	1.49	37.58	125.46
107	7.05	35.29	2.21	1.49	38.07	124.91
108	7.10	34.26	2.10	1.49	38.65	124.29
109	7.16	31.77	1.99	1.49	39.83	123.57
110	7.24	27.99	1.77	1.58	41.78	122.75
111	7.29	25.25	1.65	4.82	44.06	121.70
112	7.38	22.16	1.46	5.00	46.75	120.77
113	7.42	19.41	1.36	4.91	49.17	119.69
114	7.50	17.69	1.19	6.05	51.13	118.78
115	7.56	16.66	1.11	7.10	51.30	117.95
116	7.62	16.66	1.02	7.19	50.55	117.30
117	7.70	16.66	0.93	7.28	49.24	116.78
118	7.74	16.66	0.90	7.28	47.82	116.38
119	7.83	17.17	0.86	7.36	46.76	116.26
120	7.88	17.60	0.88	7.45	45.55	116.53
121	7.97	18.98	0.96	7.54	44.84	116.95
122	8.02	19.41	0.98	7.54	44.44	117.43
123	8.11	19.75	1.03	7.45	44.31	117.76
124	8.14	20.27	1.07	7.45	43.49	118.36
125	8.21	22.76	1.18	7.71	41.02	119.39
126	8.30	27.91	1.38	7.98	36.95	120.45
127	8.34	33.40	1.40	8.24	34.07	121.13
128	8.43	33.58	1.40	7.89	33.37	121.21
129	8.48	30.40	1.39	6.66	34.64	121.18
130	8.56	29.71	1.43	6.40	36.57	121.19
131	8.62	28.77	1.48	6.40	37.67	121.31
132	8.67	28.42	1.50	6.49	36.70	121.45
133	8.75	32.72	1.46	7.63	33.96	121.61
134	8.83	36.93	1.45	7.36	30.15	121.84
135	8.89	41.82	1.45	6.49	27.42	122.07
136	8.93	45.17	1.45	6.40	24.72	122.35
137	9.02	52.21	1.45	6.22	23.11	122.62
138	9.07	53.50	1.49	6.14	22.04	123.06
139	9.13	56.08	1.61	6.14	21.85	123.37
140	9.21	56.93	1.60	6.14	21.56	123.53
141	9.27	57.53	1.56	6.14	20.77	123.59
142	9.38	62.69	1.59	6.14	20.02	123.70
143	9.42	64.40	1.61	6.14	18.75	123.98
144	9.49	71.53	1.62	6.22	17.54	124.19

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
145	9.52	76.86	1.62	6.14	15.39	124.41
146	9.63	90.60	1.57	6.14	13.73	124.52
147	9.67	94.98	1.55	6.14	11.96	124.62
148	9.72	105.28	1.52	6.14	10.37	124.76
149	9.80	122.03	1.50	6.22	8.44	125.02
150	9.86	143.75	1.50	6.22	6.56	125.17
151	9.95	162.90	1.40	6.31	5.04	125.16
152	9.99	178.44	1.32	6.31	4.04	124.86
153	10.04	177.33	1.24	6.22	3.20	124.56
154	10.11	195.45	1.16	6.22	2.58	124.24
155	10.17	203.09	1.10	6.22	2.14	123.91
156	10.24	194.76	1.06	6.14	1.73	123.73
157	10.31	217.09	1.04	6.22	1.43	123.69
158	10.40	225.16	1.05	6.14	1.07	123.88
159	10.45	230.57	1.08	6.22	0.98	124.09
160	10.52	233.83	1.11	6.22	0.96	124.33
161	10.59	237.44	1.14	6.14	0.85	124.27
162	10.64	238.81	1.04	6.14	0.54	123.61
163	10.72	238.21	0.82	6.05	0.33	122.99
164	10.78	235.81	0.90	5.79	0.36	123.07
165	10.84	239.93	1.06	5.52	0.69	124.23
166	10.91	251.61	1.27	5.52	0.94	125.37
167	10.96	260.37	1.41	5.52	1.42	126.30
168	11.06	237.27	1.57	5.70	1.59	126.92
169	11.10	265.78	1.62	5.35	1.78	127.36
170	11.19	265.26	1.69	5.17	1.74	127.64
171	11.28	254.53	1.72	5.08	2.01	127.69
172	11.33	246.71	1.70	5.00	2.25	127.60
173	11.37	242.42	1.68	5.00	2.45	127.41
174	11.42	232.20	1.64	5.00	2.60	127.06
175	11.51	221.64	1.53	4.91	2.85	126.70
176	11.56	212.11	1.51	5.00	2.79	125.83
177	11.64	203.78	1.18	4.91	2.58	124.82
178	11.70	199.57	1.02	5.00	2.29	123.88
179	11.79	199.57	1.09	5.00	2.21	123.75
180	11.83	205.49	1.11	5.00	2.23	124.07
181	11.88	209.87	1.15	5.00	2.22	124.31
182	11.94	209.40	1.18	5.00	2.32	124.58
183	12.03	208.93	1.23	5.00	2.36	124.85
184	12.07	217.77	1.27	5.00	2.48	125.40
185	12.19	221.38	1.44	5.00	2.59	125.87
186	12.22	221.12	1.47	5.00	2.84	126.38
187	12.31	220.95	1.57	5.08	2.98	126.64
188	12.36	223.36	1.60	5.08	3.12	126.99
189	12.44	226.53	1.69	5.17	3.16	127.27
190	12.49	230.40	1.73	5.17	3.22	127.56
191	12.54	232.03	1.78	5.26	3.61	128.09
192	12.63	223.61	2.08	5.17	4.53	128.86

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
193	12.71	209.62	2.42	5.17	5.95	129.57
194	12.77	187.46	2.58	5.17	7.41	129.97
195	12.81	175.70	2.68	5.17	9.52	129.94
196	12.90	135.68	2.75	5.17	11.77	129.69
197	12.95	120.39	2.70	5.26	15.47	129.10
198	13.00	88.88	2.64	5.61	18.81	128.41
199	13.09	75.57	2.51	6.49	20.92	127.81
200	13.14	87.85	2.38	6.93	21.32	127.23
201	13.23	76.34	2.18	7.01	19.79	126.94
202	13.27	86.82	2.13	7.19	16.71	126.98
203	13.32	124.60	2.12	7.63	12.48	127.48
204	13.41	153.97	2.10	7.54	10.33	128.22
205	13.46	153.20	2.43	6.93	10.73	129.01
206	13.55	136.02	2.82	6.49	13.33	129.64
207	13.60	111.89	3.03	6.22	16.79	129.90
208	13.69	97.72	3.16	6.22	20.26	129.71
209	13.75	85.70	3.07	6.18	22.99	129.39
210	13.80	77.11	3.01	6.14	25.75	128.88
211	13.89	66.04	2.93	6.31	28.71	128.44
212	13.93	58.65	2.89	6.66	31.84	127.82
213	14.02	51.52	2.67	7.28	33.89	127.06
214	14.07	48.26	2.36	7.45	34.78	126.16
215	14.12	46.63	2.17	7.45	34.93	125.09
216	14.21	41.99	1.83	7.28	35.07	124.15
217	14.28	40.62	1.70	7.45	35.29	123.33
218	14.31	40.02	1.65	7.36	34.99	122.90
219	14.40	40.10	1.56	7.45	34.95	122.63
220	14.44	39.16	1.54	7.54	34.51	122.42
221	14.53	40.19	1.51	7.63	34.29	122.35
222	14.58	40.70	1.51	7.71	33.26	122.43
223	14.69	43.54	1.54	7.80	32.39	122.66
224	14.76	45.51	1.59	7.89	31.55	122.95
225	14.80	46.54	1.63	7.89	31.06	123.30
226	14.86	48.52	1.71	7.98	30.37	123.44
227	14.94	49.98	1.64	8.07	29.99	123.78
228	14.99	51.52	1.81	8.07	30.10	124.23
229	15.04	52.12	1.99	8.07	31.23	125.19
230	15.10	53.33	2.35	8.15	32.73	126.19
231	15.18	54.01	2.68	8.24	34.22	127.13
232	15.23	54.36	2.91	8.33	34.08	127.98
233	15.30	62.86	3.17	8.50	33.81	128.68
234	15.38	63.20	3.39	8.33	33.36	129.29
235	15.43	64.15	3.56	7.98	33.81	129.87
236	15.52	67.50	3.92	8.33	33.51	130.44
237	15.57	72.39	4.08	9.12	32.37	131.06
238	15.66	79.78	4.28	9.38	31.24	131.49
239	15.71	81.84	4.39	9.38	30.47	131.82
240	15.75	83.30	4.46	9.38	30.11	132.10

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
241	15.85	87.25	4.67	9.38	29.68	132.38
242	15.90	90.42	4.76	9.38	29.24	132.66
243	15.98	91.88	4.84	9.47	29.04	132.78
244	16.03	91.63	4.84	9.47	29.08	132.82
245	16.08	91.03	4.83	9.47	29.40	132.72
246	16.16	87.68	4.72	9.38	30.37	132.51
247	16.22	80.38	4.62	9.29	31.92	132.08
248	16.30	72.56	4.34	9.29	34.07	131.48
249	16.36	64.83	4.07	9.29	36.13	130.62
250	16.44	57.45	3.62	9.29	38.20	129.61
251	16.49	51.01	3.22	9.29	39.91	128.44
252	16.56	45.77	2.81	9.47	41.19	127.07
253	16.67	40.88	2.29	9.64	41.50	125.47
254	16.81	37.78	1.81	9.99	41.34	124.10
255	16.82	37.01	1.77	10.08	40.74	123.03
256	16.91	35.72	1.57	10.17	40.68	122.53
257	16.94	35.04	1.51	10.17	40.64	121.95
258	17.00	33.75	1.45	10.26	40.51	121.51
259	17.08	33.58	1.33	10.35	40.14	121.08
260	17.13	33.83	1.28	10.43	39.36	120.67
261	17.22	33.58	1.23	10.43	38.96	120.50
262	17.27	33.92	1.24	10.43	38.51	120.57
263	17.36	35.55	1.30	10.43	37.85	120.88
264	17.41	37.44	1.34	10.52	36.95	121.77
265	17.51	42.25	1.64	10.61	35.93	122.65
266	17.55	45.08	1.71	10.78	34.90	123.61
267	17.60	48.43	1.86	10.87	32.75	124.62
268	17.69	59.68	2.17	11.31	30.82	125.83
269	17.78	66.38	2.46	11.57	29.17	126.87
270	17.82	69.56	2.56	11.75	28.77	127.54
271	17.87	70.50	2.73	11.75	28.96	128.02
272	17.92	71.19	2.92	11.84	29.79	128.51
273	18.01	70.50	3.12	11.75	30.62	128.85
274	18.05	69.73	3.15	11.66	31.85	128.91
275	18.14	64.40	3.09	11.31	32.98	128.71
276	18.19	61.83	3.01	11.13	34.33	128.32
277	18.28	57.96	2.85	11.13	35.16	127.94
278	18.32	56.42	2.77	10.52	36.01	127.46
279	18.38	52.98	2.61	10.78	36.71	126.92
280	18.47	49.72	2.39	11.31	37.51	126.33
281	18.51	47.92	2.30	11.92	37.46	125.72
282	18.60	48.00	2.10	11.92	37.16	125.34
283	18.64	48.00	2.07	11.84	36.46	125.11
284	18.70	48.78	2.08	11.48	36.16	125.05
285	18.79	48.95	2.04	10.78	36.15	125.03
286	18.84	48.09	2.05	10.78	37.16	125.00
287	18.93	44.74	2.11	10.96	38.62	125.02
288	18.98	43.88	2.13	10.96	40.29	124.94

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
289	19.07	41.82	2.08	10.61	40.92	124.74
290	19.16	41.48	2.00	10.61	40.93	124.49
291	19.25	42.25	1.94	11.31	40.46	124.36
292	19.27	42.59	1.97	11.66	39.62	124.30
293	19.34	43.79	1.91	12.01	38.96	124.35
294	19.39	45.08	1.94	12.10	37.67	124.63
295	19.44	49.38	2.09	12.36	36.63	125.35
296	19.53	53.93	2.38	12.36	35.72	126.21
297	19.57	56.85	2.56	12.19	35.49	127.01
298	19.63	58.31	2.76	11.92	35.74	127.66
299	19.71	59.51	3.00	11.84	36.30	128.18
300	19.75	59.85	3.12	11.84	37.15	128.59
301	19.85	58.74	3.27	11.84	37.92	128.79
302	19.90	58.31	3.29	11.84	38.69	128.90
303	19.95	57.62	3.31	11.84	39.03	128.81
304	20.04	56.42	3.19	11.92	39.37	128.59
305	20.13	54.79	3.07	12.01	39.16	128.35
306	20.17	56.38	3.02	12.01	39.11	128.15
307	20.21	54.87	2.97	12.10	38.59	128.07
308	20.31	56.33	2.93	12.36	37.82	128.05
309	20.36	59.85	2.93	12.63	36.66	128.21
310	20.45	62.09	3.05	12.63	36.03	128.50
311	20.49	62.94	3.19	12.54	36.31	129.08
312	20.59	65.09	3.60	11.92	36.63	129.66
313	20.63	67.41	3.76	12.97	35.63	130.32
314	20.69	76.68	3.92	11.66	34.38	130.91
315	20.77	80.72	4.26	11.40	33.13	131.51
316	20.82	84.67	4.47	11.13	32.38	132.03
317	20.91	90.34	4.60	11.05	31.42	132.40
318	20.96	94.55	4.70	11.05	30.65	132.68
319	21.01	96.01	4.81	11.05	30.18	132.91
320	21.07	98.75	4.92	11.05	29.68	133.17
321	21.15	104.16	5.06	11.40	28.81	133.44
322	21.20	109.75	5.14	11.57	27.86	133.55
323	21.28	110.78	4.95	11.40	27.13	133.36
324	21.34	108.46	4.62	11.84	26.39	132.77
325	21.42	105.71	4.05	11.92	25.68	132.12
326	21.46	105.80	3.86	12.01	24.46	131.69
327	21.56	113.35	3.83	12.10	22.38	131.81
328	21.61	133.79	3.93	12.01	20.18	132.09
329	21.74	143.32	3.92	10.35	19.42	132.30
330	21.79	131.21	3.99	9.91	21.40	132.44
331	21.88	107.26	4.43	9.21	24.89	132.58
332	21.94	102.10	4.65	9.16	29.14	132.64
333	22.03	88.54	4.69	9.16	31.49	132.39
334	22.12	82.87	4.34	9.12	33.48	132.07
335	22.16	82.09	4.41	9.21	33.81	131.93
336	22.21	84.24	4.52	9.91	33.80	132.14

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
337	22.26	86.39	4.66	10.17	33.35	132.44
338	22.31	90.17	4.82	10.52	33.29	132.66
339	22.40	88.54	4.88	10.52	34.09	132.70
340	22.44	81.49	4.83	10.52	36.00	132.45
341	22.53	73.25	4.65	10.52	37.97	132.11
342	22.58	71.62	4.56	10.52	39.51	131.66
343	22.67	66.81	4.28	10.96	40.35	131.26
344	22.72	64.15	4.12	11.66	40.75	130.78
345	22.81	63.89	3.89	12.10	40.52	130.38
346	22.86	63.46	3.69	12.01	39.87	130.00
347	22.90	63.03	3.56	12.19	40.00	129.78
348	22.99	60.97	3.62	12.63	40.62	129.70
349	23.07	59.94	3.64	12.45	41.70	129.85
350	23.14	59.94	3.84	12.45	42.64	130.17
351	23.18	60.54	4.13	12.71	39.34	130.74
352	23.23	82.35	4.10	13.77	33.80	131.10
353	23.32	97.64	3.74	13.24	28.98	131.38
354	23.37	102.27	3.94	11.48	28.28	131.14
355	23.46	84.76	3.71	9.91	32.15	131.23
356	23.55	67.93	4.31	12.36	31.02	132.23
357	23.64	127.78	5.26	16.75	27.18	133.69
358	23.69	150.28	5.54	17.71	22.70	134.82
359	23.73	154.83	5.57	18.24	22.45	134.94
360	23.78	135.42	5.45	15.34	24.60	134.60
361	23.87	109.66	5.29	11.66	28.39	133.98
362	23.92	95.23	5.08	11.70	33.75	133.14
363	23.96	70.85	4.74	11.70	38.26	132.14
364	24.03	63.80	4.20	11.75	41.71	130.97
365	24.10	61.74	3.64	13.24	42.04	129.88
366	24.16	57.11	3.27	14.29	40.94	128.79
367	24.24	57.11	2.78	14.82	40.13	127.97
368	24.29	57.11	2.70	15.17	39.02	127.47
369	24.37	57.11	2.69	14.82	39.29	127.38
370	24.43	55.22	2.70	14.47	40.70	127.31
371	24.51	50.75	2.73	14.38	42.69	127.27
372	24.54	49.21	2.78	14.38	44.61	127.35
373	24.61	49.12	2.90	14.20	43.71	126.77
374	24.69	49.12	2.12	13.94	42.34	126.16
375	24.74	49.03	2.15	13.33	38.47	125.28
376	24.84	56.25	1.99	12.71	36.62	125.10
377	24.88	55.47	1.89	12.63	38.20	124.54
378	24.99	37.87	1.84	13.15	41.58	124.10
379	25.00	40.96	1.85	14.82	44.92	123.65
380	25.08	42.16	1.75	16.39	42.72	123.58
381	25.16	43.88	1.70	17.10	40.50	123.49
382	25.22	47.49	1.70	17.18	39.34	123.50
383	25.28	46.29	1.70	17.10	38.99	123.69
384	25.36	46.71	1.80	17.53	38.99	124.08

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
385	25.40	50.75	1.94	17.97	37.89	125.20
386	25.50	59.94	2.41	18.32	36.61	126.46
387	25.53	64.32	2.71	18.41	34.64	128.21
388	25.64	79.95	3.41	19.29	32.53	129.44
389	25.68	88.88	3.53	19.46	30.65	131.95
390	25.77	117.65	5.76	20.16	30.43	134.16
391	25.82	124.09	7.07	21.66	31.13	136.09
392	25.86	124.34	7.75	22.53	29.35	137.26
393	25.95	168.31	8.32	22.09	27.65	137.28
394	26.04	164.19	8.24	23.50	27.08	137.28
395	26.09	139.29	8.18	28.05	29.24	137.28
396	26.14	130.36	8.14	29.19	30.98	137.28
397	26.19	137.40	8.16	37.61	30.39	137.28
398	26.28	148.47	8.24	39.54	28.50	137.28
399	26.32	160.93	8.21	39.19	26.54	137.28
400	26.41	171.83	8.14	37.35	25.48	137.28
401	26.45	168.57	8.15	33.05	25.23	137.28
402	26.51	165.13	8.10	27.53	26.09	137.28
403	26.59	160.07	8.55	27.53	26.88	137.28
404	26.65	161.53	8.80	29.28	26.88	137.28
405	26.74	176.13	9.10	30.33	25.74	137.28
406	26.79	190.47	9.19	28.93	23.13	137.28
407	26.87	200.08	7.14	27.18	20.76	137.28
408	26.92	189.87	5.79	26.74	19.34	136.55
409	26.97	177.76	6.01	24.72	20.27	136.04
410	27.06	162.82	6.28	24.64	22.54	136.16
411	27.11	151.65	6.56	24.11	24.83	136.47
412	27.19	149.51	7.21	24.55	26.99	136.87
413	27.25	142.81	7.72	30.42	28.49	137.28
414	27.30	143.58	8.02	30.95	30.01	137.28
415	27.44	140.75	8.64	23.93	31.09	137.28
416	27.46	136.62	8.66	24.20	32.41	137.28
417	27.54	131.21	8.70	28.05	32.75	137.28
418	27.58	136.92	8.70	28.93	33.15	137.28
419	27.63	131.82	8.71	28.32	32.71	137.28
420	27.72	137.23	8.67	25.77	32.17	137.28
421	27.76	143.67	8.55	26.39	27.67	136.81
422	27.86	154.49	4.21	26.39	21.60	134.58
423	27.90	166.25	2.70	26.34	15.48	131.74
424	27.99	177.84	3.34	26.30	13.95	131.67
425	28.04	188.49	3.89	26.21	14.52	132.89
426	28.09	192.79	4.32	25.86	15.17	133.88
427	28.18	196.13	4.87	24.46	16.67	134.54
428	28.22	175.18	5.23	19.64	19.63	135.19
429	28.30	150.45	6.09	35.95	23.52	135.97
430	28.37	150.11	7.25	39.72	26.28	136.69
431	28.42	153.63	7.46	36.82	27.25	137.24
432	28.48	152.68	7.66	28.05	28.06	137.28

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
433	28.55	140.49	7.56	28.41	29.38	137.05
434	28.65	130.18	7.15	26.39	30.28	136.77
435	28.70	134.39	7.12	28.76	30.15	136.60
436	28.74	138.00	7.12	29.11	29.03	136.65
437	28.83	145.47	7.04	26.48	28.04	136.72
438	28.88	149.51	7.06	24.55	27.37	136.81
439	28.95	149.93	7.18	24.64	27.33	136.89
440	29.01	148.82	7.24	24.46	27.69	137.00
441	29.11	147.87	7.41	25.34	28.37	136.77
442	29.21	134.56	6.75	25.69	28.00	135.81
443	29.25	128.38	4.91	25.69	26.41	134.08
444	29.29	124.95	3.69	25.69	24.51	132.48
445	29.35	121.17	3.88	27.44	24.36	132.07
446	29.43	121.17	4.30	31.12	25.67	132.60
447	29.48	121.17	4.63	32.70	26.83	133.27
448	29.54	122.45	5.09	32.17	27.10	134.25
449	29.63	140.06	6.03	80.57	26.33	135.30
450	29.67	157.41	6.53	66.63	25.15	136.54
451	29.77	174.32	7.54	57.51	23.50	137.28
452	29.81	197.59	7.80	51.55	21.95	137.28
453	29.91	215.97	8.08	38.93	20.79	137.28
454	29.95	214.08	8.10	37.00	20.31	137.28
455	29.99	212.97	7.89	34.28	20.88	137.28
456	30.07	188.06	7.26	24.55	21.80	137.28
457	30.13	170.37	6.70	24.37	23.05	136.76
458	30.22	159.81	6.14	23.06	24.08	136.11
459	30.27	150.19	6.02	24.20	24.83	135.66
460	30.32	145.81	5.90	24.20	26.21	135.22
461	30.41	127.95	5.49	24.55	27.12	134.48
462	30.45	120.05	4.74	24.55	28.28	132.96
463	30.55	98.07	3.44	24.46	29.32	131.67
464	30.60	92.66	3.71	25.07	32.20	130.93
465	30.66	82.95	4.06	26.65	35.90	131.11
466	30.73	74.71	4.07	28.93	38.06	131.29
467	30.78	81.58	4.17	30.77	39.02	131.49
468	30.87	80.21	4.45	30.25	39.09	131.78
469	30.92	78.57	4.51	32.17	38.63	131.96
470	31.01	87.08	4.41	42.61	36.24	132.15
471	31.05	98.67	4.46	46.73	30.45	132.69
472	31.11	134.56	4.64	51.11	24.76	133.73
473	31.19	174.41	5.27	40.33	20.50	134.88
474	31.24	200.00	5.72	34.45	18.96	136.01
475	31.33	205.49	6.48	31.39	18.87	136.79
476	31.38	206.52	6.89	29.72	19.71	137.28
477	31.47	208.16	7.56	31.56	20.66	137.28
478	31.52	200.51	7.78	33.23	19.96	137.24
479	31.56	196.39	5.06	33.75	17.44	135.34
480	31.65	195.66	3.00	35.07	14.48	133.14

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
481	31.70	195.66	3.69	36.30	14.10	132.81
482	31.80	194.93	4.55	44.27	15.54	134.15
483	31.88	206.27	5.18	36.30	17.58	134.91
484	31.91	173.29	5.35	45.59	19.45	135.58
485	31.98	176.73	6.17	62.95	21.29	136.15
486	32.07	188.49	6.71	57.34	21.52	136.73
487	32.11	189.61	6.68	42.70	21.35	136.91
488	32.16	186.95	6.52	33.58	21.02	136.64
489	32.26	186.34	6.03	31.12	20.30	136.23
490	32.30	190.64	5.62	31.21	18.78	135.59
491	32.35	197.16	4.90	30.25	15.95	134.19
492	32.43	203.43	3.03	28.93	13.74	133.06
493	32.48	208.84	3.56	27.27	12.71	132.72
494	32.58	215.03	4.27	26.56	13.53	133.79
495	32.62	220.44	4.63	26.48	14.64	134.71
496	32.69	212.71	5.20	35.07	15.77	135.60
497	32.78	218.33	6.06	71.01	17.23	136.33
498	32.83	210.39	6.37	48.57	18.05	136.93
499	32.87	216.23	6.69	44.62	18.17	137.28
500	32.97	230.40	6.87	38.49	17.68	137.28
501	33.01	234.86	6.82	35.86	16.86	137.28
502	33.10	246.63	6.80	31.65	16.32	137.28
503	33.15	249.12	6.80	30.51	15.87	137.28
504	33.22	252.21	6.83	29.55	15.77	137.28
505	33.29	253.67	6.93	28.49	15.83	137.28
506	33.38	252.25	7.03	28.41	16.01	137.28
507	33.42	251.09	7.09	28.14	15.80	137.28
508	33.47	252.29	6.45	27.79	14.91	137.23
509	33.56	252.21	5.38	27.27	13.54	136.25
510	33.61	251.26	4.70	26.83	11.80	134.74
511	33.70	245.68	3.42	26.30	11.27	134.10
512	33.75	243.36	4.28	25.69	11.76	134.36
513	33.80	245.08	5.20	24.81	14.46	135.82
514	33.87	218.46	6.46	20.16	16.83	137.26
515	33.94	235.38	7.82	44.36	19.96	137.28
516	34.03	216.49	9.19	45.41	22.10	137.28
517	34.07	201.20	9.39	39.54	25.05	137.28
518	34.13	180.85	9.32	37.44	27.01	137.28
519	34.22	168.40	8.71	30.42	27.56	137.28
520	34.27	179.56	8.38	36.30	26.93	137.28
521	34.36	178.27	8.02	51.46	25.73	137.28
522	34.44	185.57	8.10	45.68	25.38	137.28
523	34.45	183.85	8.11	37.09	25.48	137.28
524	34.54	165.74	7.16	29.90	25.78	137.22
525	34.58	157.32	6.29	29.37	27.27	136.20
526	34.67	130.78	6.00	29.81	29.95	135.37
527	34.72	110.00	5.85	29.72	34.62	134.60
528	34.82	92.74	5.46	29.55	38.61	133.94

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
529	34.87	86.90	5.29	30.07	40.56	133.22
530	34.95	84.93	4.75	33.05	41.01	132.65
531	34.98	81.32	4.50	34.10	42.57	131.89
532	35.05	66.81	4.20	47.78	45.15	131.22
533	35.13	63.03	3.98	56.28	47.99	130.65
534	35.18	61.91	3.93	61.19	48.03	130.43
535	35.26	63.89	3.88	74.87	46.32	130.45
536	35.31	70.33	3.87	81.10	43.43	130.55
537	35.40	76.08	3.81	79.87	41.02	130.64
538	35.45	77.54	3.79	71.63	40.03	130.65
539	35.51	76.17	3.79	70.84	40.04	130.64
540	35.59	76.13	3.80	70.84	40.29	130.62
541	35.65	76.08	3.78	70.05	40.27	130.57
542	35.73	75.91	3.73	71.19	40.29	130.48
543	35.77	74.97	3.67	68.82	41.13	130.32
544	35.86	69.81	3.65	60.32	42.85	130.16
545	35.92	65.52	3.66	60.05	44.94	130.02
546	35.96	63.80	3.66	61.46	46.32	129.79
547	36.04	61.31	3.46	65.14	46.81	129.55
548	36.09	60.97	3.40	66.72	46.65	129.21
549	36.18	60.88	3.23	66.81	46.25	128.95
550	36.23	60.28	3.12	66.81	45.94	128.53
551	36.32	58.05	2.91	66.89	46.13	128.10
552	36.41	55.99	2.78	67.16	46.35	127.62
553	36.46	55.04	2.65	67.16	45.69	126.85
554	36.51	53.41	2.14	67.86	42.84	125.28
555	36.55	52.55	1.36	68.38	40.25	123.84
556	36.62	52.47	1.57	69.17	39.07	123.17
557	36.69	52.47	1.71	68.73	40.58	123.83
558	36.77	52.38	1.80	68.12	42.18	124.51
559	36.83	52.38	2.07	67.77	44.09	125.59
560	36.91	54.87	2.56	70.22	45.80	126.79
561	36.96	56.93	2.88	70.84	47.31	127.95
562	37.02	57.62	3.26	71.89	48.79	129.05
563	37.10	60.28	3.88	75.31	49.86	130.12
564	37.15	63.80	4.29	78.55	46.51	131.74
565	37.24	90.42	5.35	90.04	42.54	133.23
566	37.28	102.02	5.97	89.69	37.55	135.02
567	37.38	130.10	7.18	80.04	35.13	136.17
568	37.42	136.97	7.56	69.00	33.80	137.01
569	37.47	136.54	7.83	64.88	34.41	137.28
570	37.54	134.82	8.48	69.22	35.32	137.28
571	37.61	134.78	8.55	63.21	35.90	137.28
572	37.68	134.73	8.42	69.44	34.86	137.28
573	37.74	146.93	8.32	68.73	32.64	137.28
574	37.84	162.64	8.24	62.33	29.68	137.28
575	37.88	179.47	8.22	59.00	27.32	137.28
576	37.93	188.58	8.20	57.42	25.37	137.28

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
577	38.02	201.80	8.14	52.25	22.39	137.28
578	38.10	202.06	4.89	50.32	19.10	135.90
579	38.16	200.86	3.93	49.18	16.03	133.84
580	38.21	200.34	4.01	47.78	15.50	133.45
581	38.26	201.46	4.21	49.10	16.30	134.18
582	38.34	207.30	5.16	46.90	16.98	135.11
583	38.39	218.29	5.67	49.01	19.20	136.33
584	38.48	194.42	7.02	62.42	19.68	137.28
585	38.53	237.78	7.57	50.06	20.08	137.28
586	38.59	251.18	8.27	49.62	18.79	137.28
587	38.66	269.64	8.97	36.47	17.53	137.28
588	38.73	274.97	7.07	35.42	14.76	137.28
589	38.81	280.72	4.19	34.28	12.19	136.29
590	38.86	282.44	4.80	33.23	11.07	135.44
591	38.91	278.31	5.30	34.41	12.57	136.36
592	39.01	266.72	6.20	32.70	13.81	136.91
593	39.05	263.46	6.20	34.54	16.46	136.99
594	39.13	191.93	6.16	200.59	17.68	136.83
595	39.19	222.58	6.15	215.85	16.17	136.97
596	39.27	313.09	6.12	60.49	13.00	137.28
597	39.32	344.52	6.84	39.10	10.96	137.28
598	39.37	372.00	7.38	32.09	10.31	137.28
599	39.47	345.08	5.86	300.89	9.47	137.28
600	39.51	345.64	5.02	108.10	8.05	136.86
601	39.60	394.50	5.02	73.12	6.88	136.60
602	39.64	412.62	5.02	50.50	5.84	136.71
603	39.70	438.81	4.87	39.98	5.31	136.62
604	39.78	436.66	4.69	36.12	4.94	136.82
605	39.84	465.09	5.20	29.63	5.22	137.28
606	39.90	466.38	6.12	19.55	5.00	137.28
607	39.98	467.66	4.76	22.80	4.21	136.51
608	40.03	464.23	3.08	24.11	3.69	135.57
609	40.11	449.72	4.49	24.37	4.05	135.75
610	40.17	440.19	5.15	24.20	5.62	137.23
611	40.26	423.01	6.08	23.41	6.86	137.28
612	40.29	406.87	6.48	23.06	8.26	137.28
613	40.37	397.68	7.45	19.29	7.15	137.07
614	40.44	370.37	2.04	21.48	5.61	134.75
615	40.49	359.98	2.30	20.25	3.42	130.99
616	40.55	353.11	2.81	19.20	4.36	132.06
617	40.62	346.84	3.22	19.02	5.48	133.44
618	40.72	352.94	4.05	18.32	6.44	134.45
619	40.75	348.56	4.32	13.06	7.61	135.76
620	40.84	352.77	5.47	14.73	8.66	136.72
621	40.88	350.28	6.01	15.08	9.69	137.28
622	40.97	361.78	6.82	15.08	9.44	137.28
623	41.02	372.00	5.51	15.08	7.66	136.72
624	41.11	383.77	3.14	15.08	5.56	134.93

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
625	41.14	393.38	3.36	15.17	4.34	133.85
626	41.21	406.95	3.76	15.26	4.87	134.98
627	41.30	412.79	4.76	15.17	5.43	135.94
628	41.34	414.94	4.94	15.34	5.25	135.79
629	41.44	411.33	3.47	16.13	4.59	134.78
630	41.48	401.54	3.10	16.48	3.82	133.43
631	41.57	396.56	3.04	15.78	4.03	133.49
632	41.62	393.73	3.59	15.69	5.03	134.28
633	41.68	359.89	4.34	15.34	6.58	135.89
634	41.77	386.60	5.79	14.73	8.08	137.19
635	41.82	380.25	6.34	14.90	9.02	137.28
636	41.86	374.49	6.82	15.08	9.27	137.28
637	41.95	368.57	5.80	15.08	8.03	136.88
638	42.00	366.33	3.25	14.90	5.32	133.89
639	42.10	368.18	1.52	14.82	3.12	130.56
640	42.14	364.62	1.94	14.73	2.88	130.14
641	42.23	367.79	2.87	14.73	4.10	132.24
642	42.28	373.55	3.61	14.73	5.14	134.11
643	42.33	392.61	4.31	12.71	6.29	135.77
644	42.42	392.10	5.52	13.24	7.19	137.16
645	42.47	407.38	6.26	13.15	6.69	137.10
646	42.55	426.02	4.02	13.06	5.01	135.72
647	42.60	430.57	2.68	13.33	3.22	133.37
648	42.66	424.56	2.66	13.41	2.63	132.22
649	42.74	414.51	2.68	13.24	2.94	132.39
650	42.79	404.46	2.92	13.15	3.70	132.86
651	42.86	371.74	3.34	12.80	4.69	133.96
652	42.92	390.72	4.20	11.84	6.18	135.42
653	43.00	382.22	5.31	11.13	7.32	136.85
654	43.05	390.12	6.05	12.01	8.60	137.28
655	43.12	386.60	6.89	12.01	9.41	137.28
656	43.20	389.52	7.39	12.19	9.98	137.28
657	43.25	398.11	7.68	12.19	8.01	137.28
658	43.34	404.29	2.71	12.45	4.77	134.61
659	43.38	406.61	0.90	12.36	1.34	128.68
660	43.45	402.32	1.41	12.36	0.46	126.44
661	43.52	410.56	1.38	12.19	0.77	127.51
662	43.57	416.83	1.47	12.27	0.56	127.32
663	43.66	427.13	1.27	12.27	0.63	128.21
664	43.71	455.47	1.86	4.65	1.16	130.02
665	43.79	448.77	2.71	5.17	2.04	132.10
666	43.85	446.33	3.16	5.26	2.95	133.57
667	43.91	443.88	3.61	5.70	3.65	134.60
668	44.01	444.22	4.15	5.87	4.21	135.36
669	44.04	442.33	4.36	5.87	4.57	135.84
670	44.10	442.76	4.44	5.79	4.57	135.81
671	44.17	442.68	4.10	5.70	4.33	135.49
672	44.23	443.45	3.82	5.61	3.90	134.83

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
673	44.33	439.15	3.38	5.52	3.59	134.28
674	44.37	435.63	3.30	5.44	3.68	133.80
675	44.43	397.59	3.28	5.35	3.93	133.78
676	44.49	409.53	3.42	5.26	4.41	133.89
677	44.55	393.64	3.57	5.17	4.52	133.71
678	44.65	373.63	3.09	5.17	4.30	132.55
679	44.69	354.23	2.08	5.17	4.23	131.57
680	44.79	338.51	2.60	5.17	4.50	131.17
681	44.84	326.92	2.79	5.17	5.68	132.08
682	44.93	316.70	3.18	5.17	6.61	132.58
683	44.97	306.65	3.31	5.17	7.49	133.04
684	45.04	300.21	3.49	5.08	8.30	133.23
685	45.08	283.72	3.57	5.61	8.90	133.46
686	45.15	288.19	3.71	5.52	9.37	133.73
687	45.23	291.71	3.94	5.44	9.52	134.11
688	45.28	296.95	4.11	5.44	9.69	134.57
689	45.38	304.25	4.39	5.35	9.80	134.98
690	45.41	309.23	4.57	5.44	9.98	135.42
691	45.47	312.49	4.84	5.35	10.10	135.90
692	45.55	325.89	5.21	5.44	10.14	136.38
693	45.64	335.85	5.43	5.44	9.72	136.80
694	45.70	361.35	5.49	5.52	9.00	136.91
695	45.75	374.84	5.20	5.61	6.99	135.81
696	45.84	392.27	2.94	5.61	5.02	134.22
697	45.88	404.89	2.69	5.70	3.79	133.08
698	45.94	418.97	3.53	5.70	4.38	134.41
699	46.01	426.62	4.67	5.70	5.62	136.35
700	46.06	434.00	5.87	5.61	6.24	137.28
701	46.13	501.50	6.78	6.84	6.18	137.28
702	46.21	488.53	5.95	7.71	4.81	137.28
703	46.30	460.19	2.85	7.63	3.30	134.68
704	46.34	451.78	2.08	7.45	2.32	132.31
705	46.41	431.86	3.04	7.10	3.06	133.48
706	46.49	451.43	4.25	6.75	4.59	135.27
707	46.53	413.31	4.79	6.66	5.48	136.61
708	46.60	451.09	5.40	6.14	6.60	137.28
709	46.68	424.04	6.17	6.14	7.24	137.28
710	46.73	413.56	6.29	6.05	8.24	137.28
711	46.80	398.97	6.40	6.05	8.63	137.28
712	46.87	389.69	6.11	5.87	8.72	137.28
713	46.97	379.90	5.52	5.70	8.46	137.28
714	47.01	371.23	5.06	5.61	8.13	136.67
715	47.05	366.16	4.79	5.52	8.17	136.32
716	47.15	354.05	4.92	5.52	8.42	136.22
717	47.19	349.76	4.97	5.44	8.88	136.30
718	47.29	343.32	5.05	5.44	9.13	136.31
719	47.33	341.26	5.02	5.44	9.60	136.24
720	47.39	319.28	4.97	5.61	9.68	136.12

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
721	47.45	331.64	4.85	5.52	9.66	135.99
722	47.51	335.25	4.79	5.44	9.28	135.94
723	47.59	336.88	4.78	5.44	9.14	135.93
724	47.65	339.11	4.80	5.44	9.15	135.99
725	47.73	338.77	4.90	5.44	9.15	136.10
726	47.78	344.27	4.95	5.44	9.08	136.26
727	47.87	353.20	5.05	5.44	8.97	136.39
728	47.91	354.14	5.11	5.44	8.82	136.56
729	47.98	364.45	5.20	5.44	8.74	136.73
730	48.06	369.60	5.33	5.44	8.67	136.92
731	48.10	371.49	5.44	5.44	8.61	137.06
732	48.17	378.19	5.44	5.44	8.05	136.66
733	48.23	378.87	4.41	5.44	7.39	136.17
734	48.31	382.74	4.41	5.44	6.45	135.23
735	48.38	381.10	3.72	5.44	5.40	134.06
736	48.43	380.16	2.55	5.44	5.52	133.77
737	48.52	354.57	4.08	5.26	6.03	134.56
738	48.56	395.19	4.85	5.61	11.51	136.58
739	48.66	373.12	6.23	5.61	10.88	136.53
740	48.70	392.44	3.82	5.96	9.82	135.05
741	48.78	370.20	2.20	5.96	7.68	132.39
742	48.83	366.59	2.52	5.87	7.52	131.70
743	48.88	364.96	3.11	5.79	8.79	133.21
744	48.98	365.65	4.02	5.70	10.10	134.64
745	49.03	364.27	4.60	5.70	11.05	135.88
746	49.08	382.14	5.22	5.70	12.12	137.02
747	49.17	374.23	6.32	5.70	13.13	137.28
748	49.22	367.45	6.78	5.70	13.25	137.28
749	49.31	352.85	4.52	5.61	12.40	136.48
750	49.35	351.48	3.89	5.52	10.70	134.54
751	49.45	351.22	3.30	5.52	10.49	134.31
752	49.49	353.54	4.16	5.44	11.37	135.36
753	49.58	360.75	5.61	5.44	12.09	137.07
754	49.63	416.23	6.41	1.05	12.79	137.28
755	49.68	403.17	7.17	1.31	12.71	137.28
756	49.76	401.63	6.72	1.40	12.13	137.28
757	49.81	404.55	4.65	1.49	10.36	136.61
758	49.90	407.98	3.46	1.58	9.20	135.48
759	49.95	409.79	4.58	1.58	9.57	136.00
760	50.00	413.05	5.55	1.67	10.74	137.28
761	50.09	416.48	6.08	1.67	10.37	137.28
762	50.13	478.83	5.57	2.98	9.91	137.28
763	50.23	454.27	5.53	3.07	9.26	137.28
764	50.28	452.29	5.40	3.07	9.50	137.28
765	50.33	448.69	5.40	3.07	10.38	137.28
766	50.42	448.77	7.48	3.07	10.47	137.28
767	50.46	518.42	7.45	4.82	10.34	137.28
768	50.54	490.76	6.21	4.73	9.89	137.28

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
769	50.60	483.47	7.19	4.65	10.23	137.28
770	50.66	548.82	9.26	12.45	10.43	137.28
771	50.74	537.14	8.16	11.40	9.41	137.28
772	50.79	551.00	5.90	10.61	8.18	137.28
773	50.86	553.19	5.65	104.24	6.87	137.28
774	50.92	526.75	4.27	45.50	7.30	137.28
775	51.01	505.88	6.10	29.63	7.73	137.28
776	51.05	529.19	6.24	25.34	8.06	137.28
777	51.14	542.20	5.45	15.52	7.63	137.28
778	51.20	531.64	5.49	16.66	7.25	137.28
779	51.25	527.60	5.18	17.01	7.92	137.28
780	51.33	512.06	6.57	15.61	9.04	137.28
781	51.39	508.11	7.97	14.73	9.10	137.28
782	51.48	554.91	6.04	15.69	8.16	137.28
783	51.52	552.16	4.83	14.38	6.41	137.28
784	51.59	539.71	3.86	15.78	5.84	136.30
785	51.67	532.58	4.21	15.08	5.60	135.69
786	51.71	527.35	3.85	14.82	6.30	136.49
787	51.80	526.62	5.28	14.29	6.79	137.28
788	51.84	566.76	6.06	14.12	8.28	137.28
789	51.94	525.89	7.88	15.78	9.00	137.28
790	51.99	509.14	6.90	15.52	8.35	137.28
791	52.05	582.99	4.57	23.32	6.51	137.28
792	52.12	550.88	3.38	20.95	5.38	136.04
793	52.17	529.06	4.41	19.38	6.42	136.71
794	52.27	515.50	5.94	16.22	8.05	137.28
795	52.31	509.31	6.65	16.31	9.01	137.28
796	52.38	560.58	7.78	12.63	9.74	137.28
797	52.45	534.30	8.60	15.08	10.27	137.28
798	52.51	494.71	7.88	14.38	10.50	137.28
799	52.56	480.20	6.11	13.59	10.00	137.28
800	52.63	462.68	5.23	12.45	8.89	137.12
801	52.72	443.28	3.88	11.22	8.78	136.41
802	52.77	435.72	4.85	10.70	9.75	136.61
803	52.83	399.74	5.86	10.70	10.73	137.28
804	52.92	479.09	6.95	10.70	11.45	137.28
805	52.96	460.88	7.30	11.66	11.90	137.28
806	53.06	421.89	7.70	11.05	12.95	137.28
807	53.10	410.82	7.48	10.96	13.71	137.28
808	53.17	396.48	7.01	10.61	13.54	137.28
809	53.24	387.55	6.10	10.43	13.18	137.28
810	53.29	376.90	5.50	9.91	12.63	137.11
811	53.38	359.46	4.70	9.56	12.44	136.32
812	53.42	349.25	4.60	9.38	11.69	134.94
813	53.50	337.65	3.11	8.94	10.57	133.29
814	53.56	332.76	2.28	8.68	9.64	131.92
815	53.62	332.33	2.93	8.68	10.23	132.48
816	53.70	331.64	3.79	8.68	11.69	133.87

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
817	53.75	324.60	4.20	8.50	11.90	135.36
818	53.82	404.38	5.08	8.50	12.13	136.37
819	53.88	380.50	5.52	8.50	12.21	137.19
820	53.95	372.69	5.72	8.24	12.88	137.26
821	54.02	369.25	5.40	8.07	12.93	137.06
822	54.12	365.39	5.14	7.98	12.69	136.66
823	54.16	361.70	4.92	7.80	12.45	136.30
824	54.20	360.92	4.70	7.80	12.22	135.88
825	54.30	353.11	4.36	7.63	11.92	135.55
826	54.34	359.89	4.31	7.45	11.68	135.27
827	54.43	357.83	4.20	7.28	11.51	135.09
828	54.48	353.37	4.06	7.28	11.52	134.80
829	54.53	342.72	3.90	7.10	11.99	134.53
830	54.63	316.10	3.90	7.01	12.77	134.34
831	54.68	302.87	3.96	6.84	13.31	134.35
832	54.75	317.34	4.03	6.75	13.48	134.16
833	54.80	298.24	3.66	6.75	12.79	133.80
834	54.90	318.59	3.35	6.75	11.76	132.98
835	54.94	328.03	2.82	6.75	9.87	131.86
836	54.99	347.10	2.13	6.84	9.11	131.94
837	55.08	370.63	3.29	7.01	9.23	133.02
838	55.13	380.59	3.98	7.01	10.32	134.71
839	55.18	375.09	4.46	7.71	9.88	135.33
840	55.26	439.76	4.07	8.50	9.22	135.48
841	55.35	440.19	4.03	9.21	8.68	135.85
842	55.40	445.94	4.88	9.03	9.31	136.73
843	55.46	452.72	5.68	9.07	10.24	137.28
844	55.53	454.70	6.46	9.07	10.20	137.28
845	55.58	531.04	6.98	9.12	10.47	137.28
846	55.68	483.21	7.23	9.38	9.77	137.28
847	55.72	459.51	4.70	9.03	8.71	136.58
848	55.78	438.12	2.22	8.33	7.40	134.23
849	55.86	427.65	3.49	8.07	7.25	133.39
850	55.91	415.45	3.67	7.54	7.69	133.83
851	55.98	429.24	2.83	7.36	8.07	134.14
852	56.04	416.57	3.96	7.54	8.85	135.29
853	56.11	430.83	5.39	7.63	11.01	137.28
854	56.18	417.69	6.99	7.54	13.19	137.28
855	56.24	382.91	7.93	7.36	13.59	137.28
856	56.33	495.83	8.58	8.24	13.49	137.28
857	56.37	472.47	8.66	8.33	13.02	137.28
858	56.46	439.76	8.58	8.07	13.79	137.28
859	56.51	426.88	8.31	7.80	14.32	137.28
860	56.56	410.04	7.80	7.28	14.24	137.28
861	56.65	401.54	6.93	7.01	13.89	137.28
862	56.70	396.56	6.37	6.93	13.37	137.28
863	56.77	386.94	5.80	6.84	13.05	137.28
864	56.84	382.14	5.61	6.58	12.67	137.23

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
865	56.91	379.73	5.05	6.49	11.68	136.22
866	56.97	382.26	3.69	6.40	10.74	135.31
867	57.06	384.37	3.91	6.40	10.67	135.27
868	57.10	382.39	4.97	6.40	11.19	135.78
869	57.16	380.85	4.62	6.40	11.49	135.96
870	57.25	377.41	4.28	6.40	10.50	136.21
871	57.29	465.09	5.12	6.40	10.45	137.28
872	57.39	465.90	6.62	6.58	10.40	137.28
873	57.44	489.91	7.06	7.89	11.28	137.28
874	57.48	466.72	7.44	7.89	11.91	137.28
875	57.58	450.49	7.85	7.89	12.79	137.28
876	57.61	441.82	7.91	7.80	13.48	137.28
877	57.69	405.32	7.18	7.36	12.94	137.28
878	57.76	412.96	5.21	7.10	11.23	136.93
879	57.82	406.78	3.06	6.84	9.88	135.48
880	57.90	401.89	4.42	6.66	10.05	135.46
881	57.94	399.91	5.23	6.84	12.03	137.23
882	58.02	392.70	6.59	6.40	12.21	137.28
883	58.08	459.16	6.46	6.84	12.90	137.28
884	58.17	436.75	8.01	6.75	11.97	137.28
885	58.22	507.42	7.79	17.71	11.70	137.28
886	58.27	476.60	6.24	10.70	10.21	137.28
887	58.36	441.65	4.23	10.70	8.95	137.28
888	58.41	528.03	5.21	12.27	9.14	137.28
889	58.49	486.39	6.92	10.70	10.34	137.28
890	58.55	466.20	7.87	9.21	11.12	137.28
891	58.60	568.65	8.58	22.44	11.67	137.28
892	58.68	509.74	9.27	11.05	11.87	137.28
893	58.73	489.91	9.26	10.35	13.21	137.28
894	58.81	458.82	9.05	9.56	13.31	137.28
895	58.87	440.70	7.08	9.12	11.80	137.28
896	58.97	421.81	3.05	8.33	9.93	136.16
897	59.01	409.96	3.62	7.98	8.90	134.40
898	59.06	399.22	4.25	7.36	10.70	135.52
899	59.14	365.48	5.06	6.40	12.34	135.96
900	59.19	335.25	4.72	5.87	13.91	136.00
901	59.28	317.30	4.70	6.84	16.02	135.97
902	59.34	266.89	5.48	6.14	20.58	136.25
903	59.42	186.09	6.25	5.00	27.25	136.34
904	59.47	156.55	6.27	4.47	35.37	135.83
905	59.52	120.05	5.89	3.94	41.42	134.86
906	59.58	96.35	5.15	3.94	46.64	133.50
907	59.67	88.28	4.34	4.73	50.23	132.14
908	59.72	75.91	3.95	8.50	53.47	130.79
909	59.80	61.66	3.45	12.54	57.65	129.59
910	59.85	56.68	3.06	16.66	59.96	128.12
911	59.93	53.33	2.41	29.63	59.25	126.60
912	59.99	50.66	1.92	42.34	57.01	124.88

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
913	60.04	49.46	1.59	72.24	53.57	122.98
914	60.13	49.03	1.09	117.22	50.29	121.34
915	60.17	48.60	1.01	133.35	47.46	119.98
916	60.26	48.86	0.96	138.08	46.74	119.65
917	60.32	49.21	0.95	136.94	45.94	119.58
918	60.41	50.92	0.96	140.54	45.33	119.60
919	60.44	51.35	0.95	140.71	44.27	119.33
920	60.51	51.35	0.84	140.71	43.66	119.04
921	60.57	51.35	0.85	140.89	43.53	118.96
922	60.64	51.35	0.92	139.84	44.20	119.41
923	60.74	51.95	1.00	137.73	44.94	119.87
924	60.78	51.95	1.03	132.73	45.49	120.24
925	60.88	51.95	1.07	135.28	46.12	120.44
926	60.92	50.92	1.09	150.53	46.72	120.59
927	60.97	50.49	1.10	150.97	47.58	120.64
928	61.04	49.21	1.11	135.01	48.40	120.67
929	61.10	48.17	1.12	155.27	49.63	120.72
930	61.20	46.54	1.15	157.19	50.54	120.75
931	61.24	46.03	1.15	163.68	51.34	120.69
932	61.29	45.08	1.12	168.50	51.40	120.45
933	61.38	44.65	1.06	169.47	51.37	120.20
934	61.43	44.57	1.05	166.75	51.36	120.05
935	61.52	44.22	1.06	166.22	51.58	120.10
936	61.57	44.40	1.08	167.63	51.89	120.20
937	61.62	44.31	1.10	163.33	52.22	120.33
938	61.70	44.14	1.12	163.46	52.66	120.46
939	61.75	43.97	1.14	163.46	53.13	120.66
940	61.84	44.22	1.19	163.59	53.47	120.85
941	61.89	44.40	1.21	164.73	53.72	120.99
942	61.98	44.14	1.21	164.47	53.81	121.00
943	62.02	44.05	1.20	165.26	47.85	118.01
944	62.11	44.31	0.00	165.09	39.50	112.92
945	62.16	44.74	0.00	164.38	N/A	87.36
946	62.21	45.34	0.00	163.51	N/A	87.36
947	62.30	45.08	0.00	164.65	N/A	87.36
948	62.35	44.91	0.00	166.57	N/A	87.36
949	62.44	45.17	0.00	163.16	N/A	87.36

Abbreviations

Depth:	Depth from free surface, at which CPT was performed (ft)
q_c:	Measured cone resistance (tsf)
f_s:	Sleeve friction resistance (tsf)
u:	Pore pressure (tsf)
Fines content:	Percentage of fines in soil (%)
Unit weight:	Bulk soil unit weight (pcf)

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LIQUEFACTION ANALYSIS REPORT

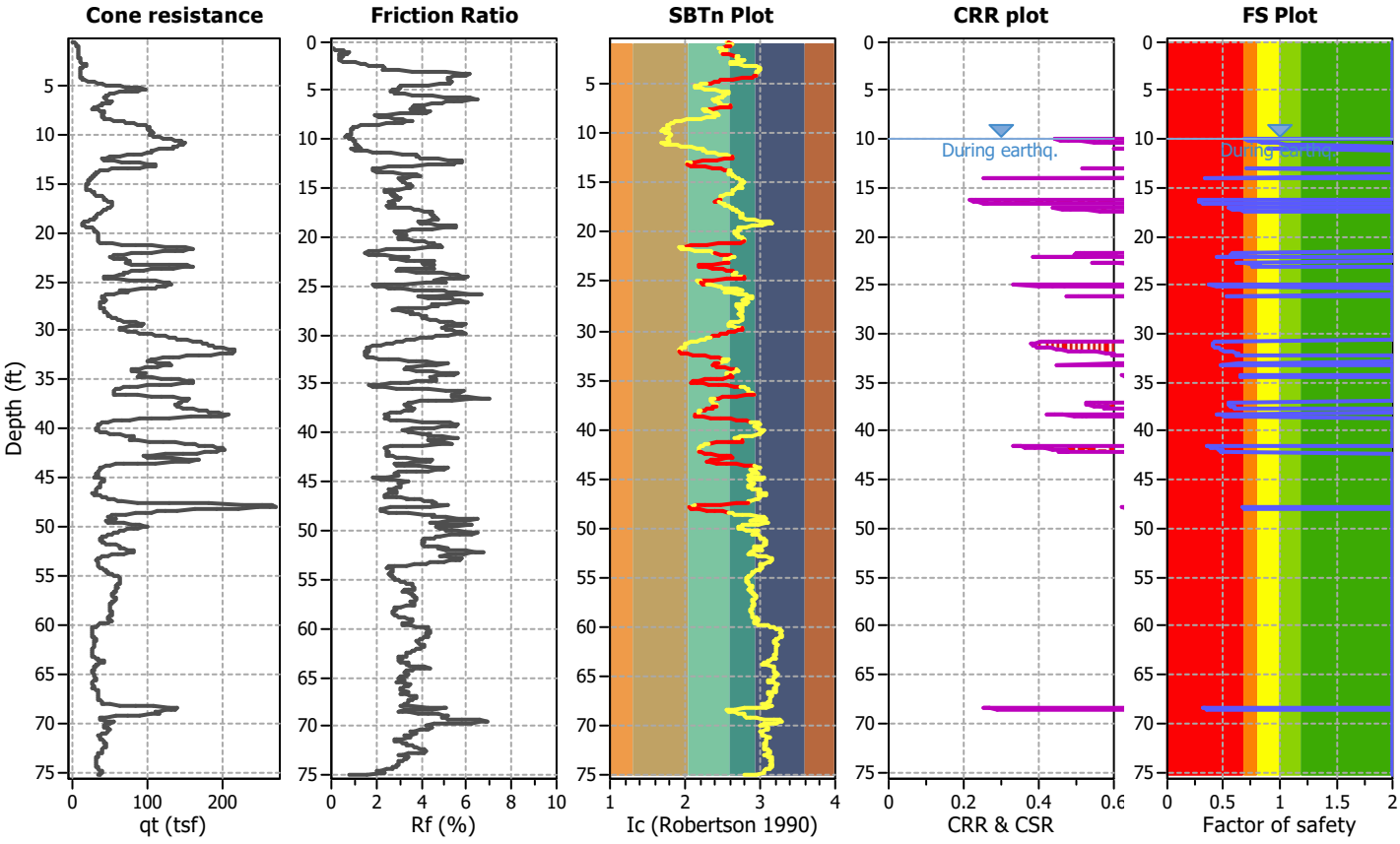
Project title : Centennial High School

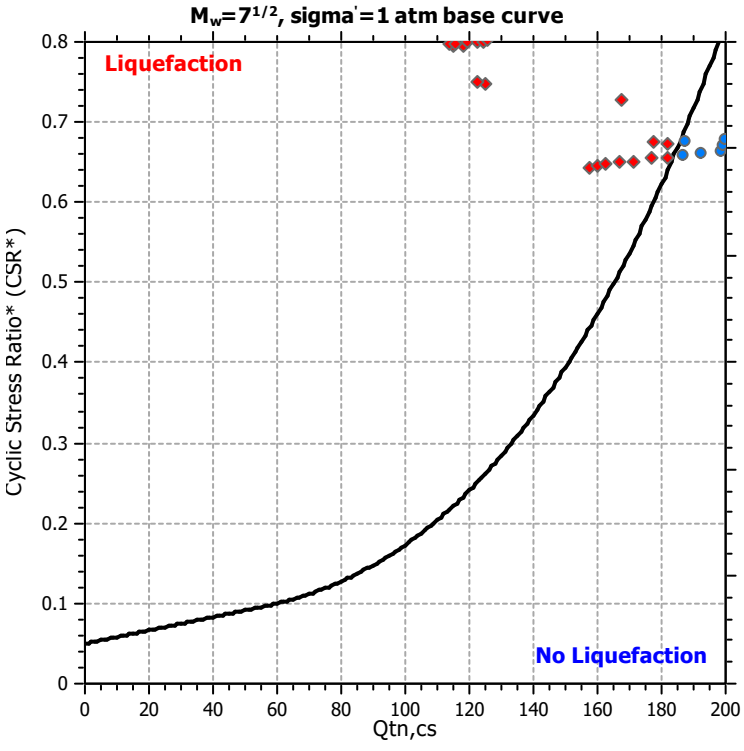
Location : 2606 N. Central Ave, Compton, CA 90222

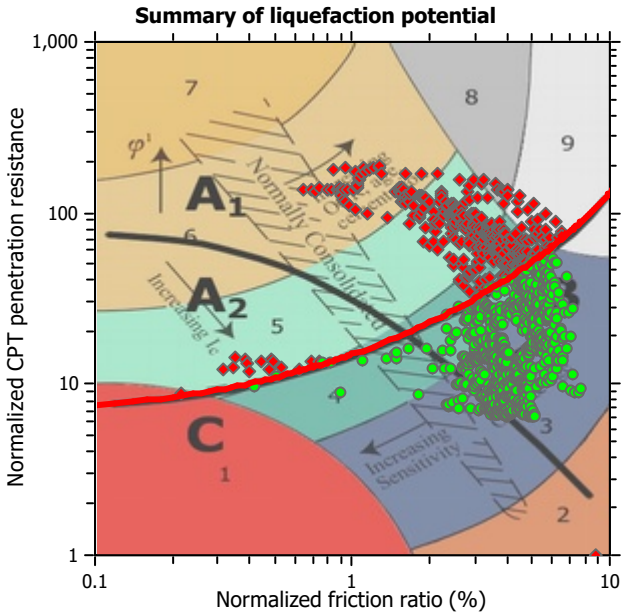
CPT file : CPT-16

Input parameters and analysis data

Analysis method:	NCEER (1998)	G.W.T. (in-situ):	50.00 ft	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	NCEER (1998)	G.W.T. (earthq.):	10.00 ft	Fill height:	N/A	Limit depth applied:	No
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	N/A
Earthquake magnitude M_w:	7.30	Ic cut-off value:	2.60	Trans. detect. applied:	Yes	MSF method:	Method based
Peak ground acceleration:	0.83	Unit weight calculation:	Based on SBT	K_σ applied:	Yes		

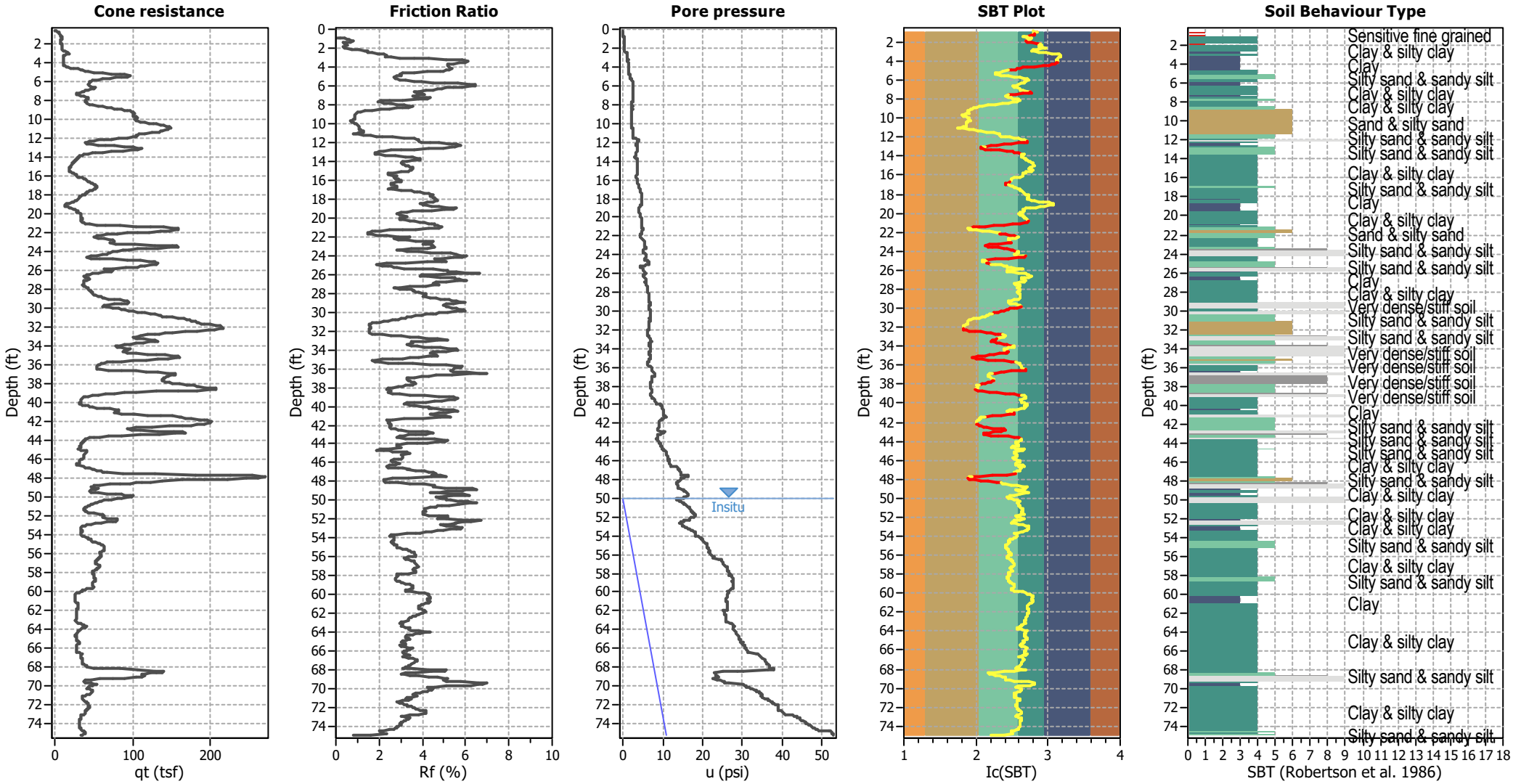






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and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

CPT basic interpretation plots



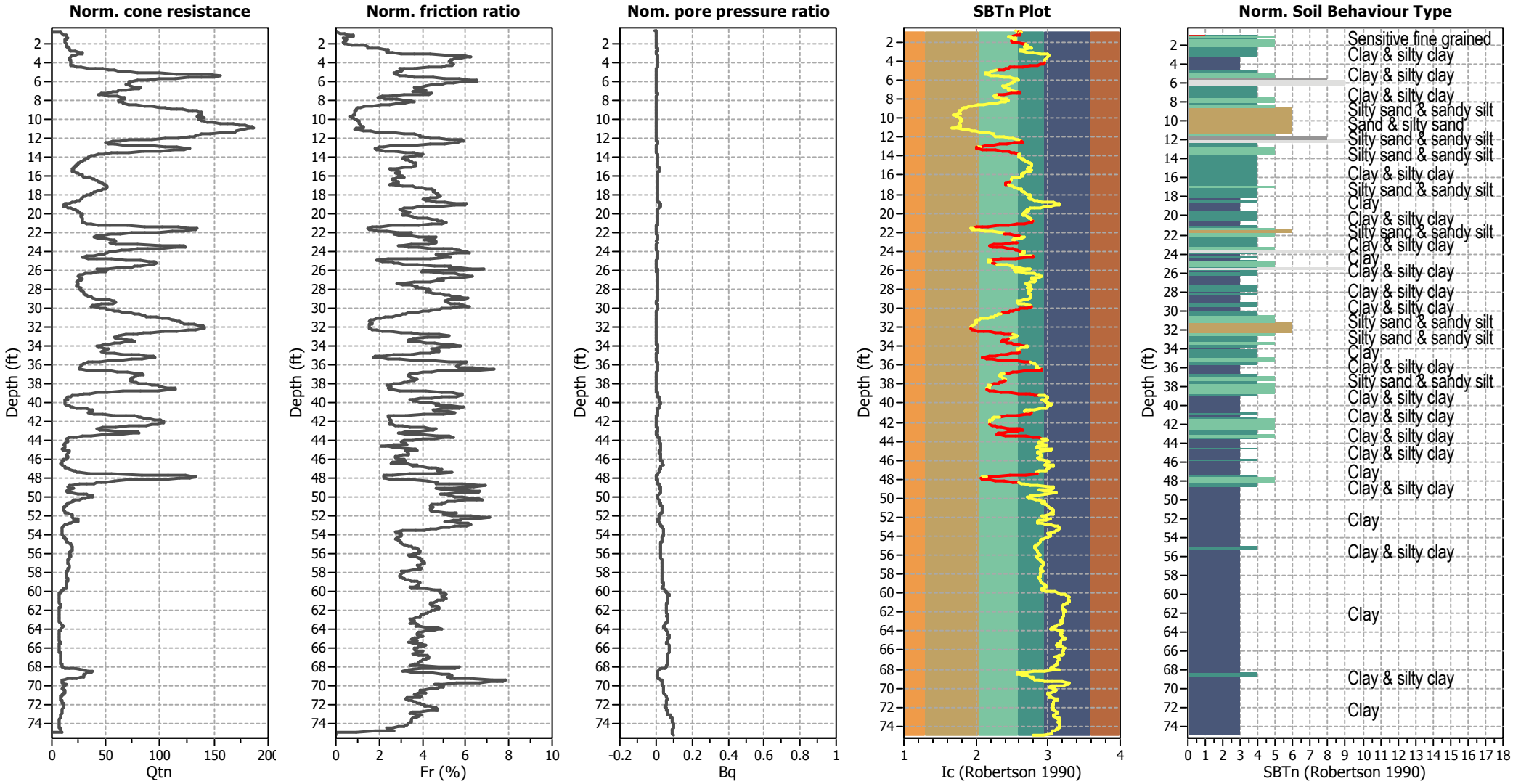
Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	7.30	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.83	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	50.00 ft	Fill height:	N/A	Limit depth:	N/A

SBT legend

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

CPT basic interpretation plots (normalized)



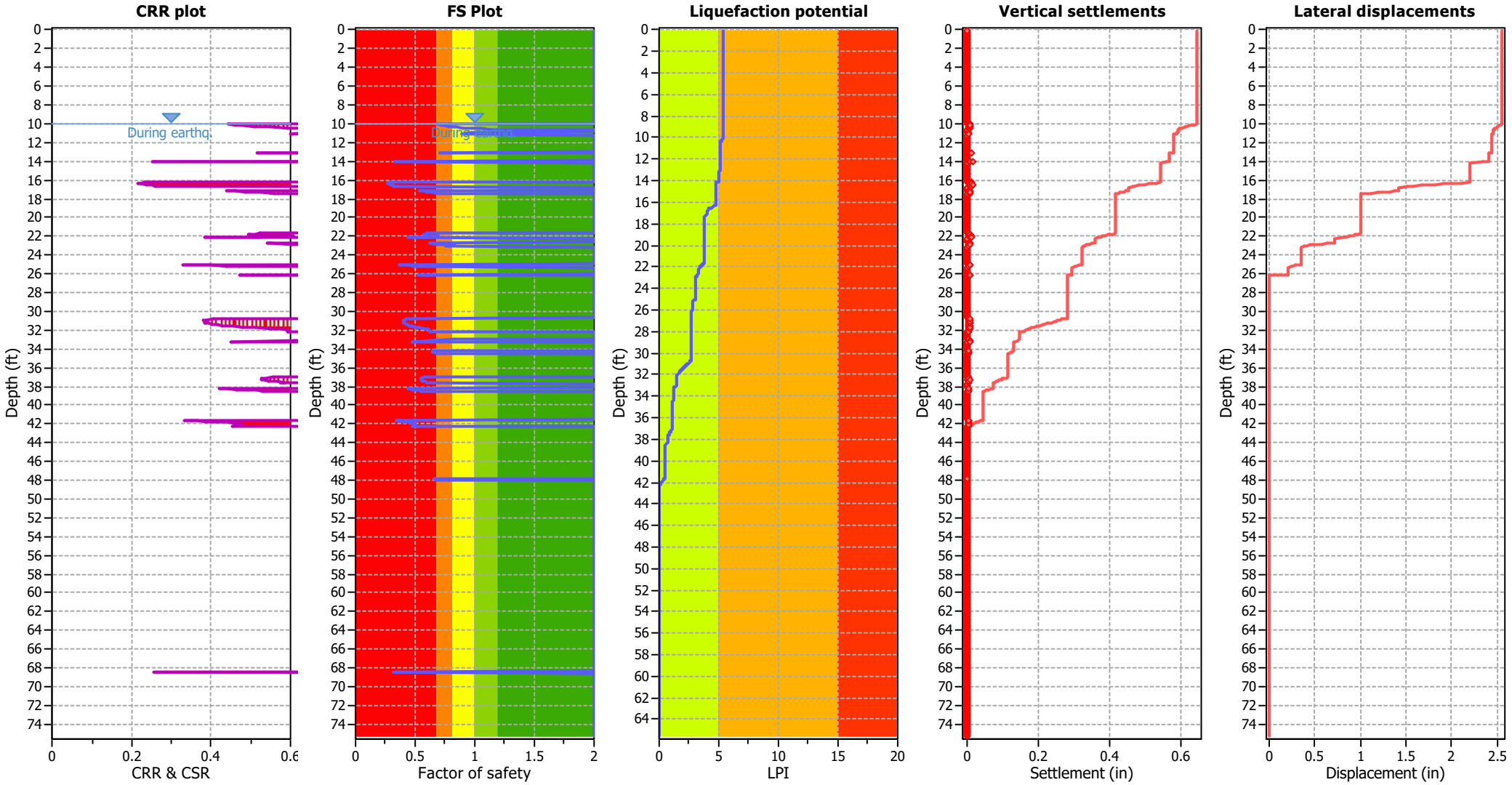
Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	7.30	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.83	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	50.00 ft	Fill height:	N/A	Limit depth:	N/A

SBTn legend

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

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	7.30	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.83	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	50.00 ft	Fill height:	N/A	Limit depth:	N/A

F.S. color scheme

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

LPI color scheme

- Very high risk
- High risk
- Low risk

:: Field input data ::

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
1	0.09	0.00	0.00	-0.09	N/A	120.90
2	0.15	0.00	0.00	-0.09	N/A	120.90
3	0.20	0.00	0.00	-0.09	N/A	120.90
4	0.28	0.00	0.00	-0.09	N/A	120.90
5	0.34	0.00	0.00	-0.09	N/A	120.90
6	0.40	0.00	0.00	0.00	N/A	120.90
7	0.49	0.00	0.00	-0.09	N/A	120.90
8	0.53	0.00	0.00	-0.09	N/A	120.90
9	0.60	0.00	0.00	-0.09	N/A	87.36
10	0.67	2.79	0.00	0.09	N/A	87.36
11	0.74	4.77	0.00	0.17	N/A	87.36
12	0.79	5.31	0.00	0.17	33.32	87.36
13	0.89	5.40	0.01	0.17	34.71	87.36
14	0.93	5.85	0.02	0.17	36.98	87.57
15	0.99	6.57	0.04	0.17	35.39	90.37
16	1.07	8.19	0.04	0.26	34.81	92.85
17	1.13	8.19	0.06	0.26	35.43	95.16
18	1.19	8.19	0.09	0.26	35.73	95.93
19	1.26	8.73	0.06	0.34	33.60	94.91
20	1.34	8.91	0.03	0.34	30.31	92.44
21	1.38	8.82	0.03	0.34	28.07	90.28
22	1.47	9.09	0.03	0.34	28.84	90.79
23	1.53	8.55	0.04	0.43	30.33	91.43
24	1.58	7.92	0.04	0.43	33.14	91.98
25	1.66	7.11	0.04	0.34	32.97	90.94
26	1.71	7.87	0.02	0.34	32.10	89.39
27	1.81	7.47	0.02	0.34	30.09	87.96
28	1.84	7.83	0.03	0.34	30.11	88.84
29	1.91	8.46	0.03	0.43	30.13	90.17
30	2.01	8.46	0.04	0.43	31.16	92.24
31	2.06	8.64	0.06	0.43	34.20	95.31
32	2.11	8.73	0.10	0.43	38.13	98.20
33	2.20	8.37	0.13	0.43	40.18	99.94
34	2.25	9.09	0.13	0.43	41.09	100.57
35	2.30	8.82	0.13	0.43	39.71	100.98
36	2.40	9.90	0.14	0.51	39.39	101.47
37	2.43	9.99	0.15	0.86	39.92	102.67
38	2.50	9.99	0.20	0.86	41.83	103.83
39	2.56	9.99	0.23	0.86	44.25	104.76
40	2.65	9.45	0.24	0.86	44.95	105.30
41	2.69	10.26	0.24	0.86	42.47	106.48
42	2.79	13.86	0.32	0.86	38.99	108.00
43	2.84	15.66	0.37	0.94	35.64	109.70
44	2.90	18.17	0.42	1.03	35.52	111.42
45	2.98	18.53	0.57	1.03	36.95	112.75
46	3.04	17.27	0.62	1.03	40.65	113.65
47	3.09	15.47	0.66	1.11	45.69	113.84
48	3.17	12.87	0.69	1.20	51.07	113.84

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
49	3.24	11.88	0.70	1.11	55.80	113.71
50	3.30	11.25	0.70	1.11	57.95	113.50
51	3.36	10.89	0.67	1.11	58.83	113.19
52	3.42	10.71	0.64	1.11	59.00	112.70
53	3.48	10.26	0.59	1.20	58.47	112.18
54	3.58	10.35	0.55	1.20	57.83	111.77
55	3.63	10.44	0.55	1.20	56.94	111.63
56	3.68	10.62	0.55	1.20	56.39	111.73
57	3.78	10.89	0.56	1.20	55.88	111.88
58	3.82	11.07	0.57	1.20	55.55	112.05
59	3.87	11.16	0.58	1.20	55.36	112.17
60	3.97	11.25	0.59	1.20	55.38	112.27
61	4.02	11.25	0.59	1.20	55.49	112.36
62	4.07	11.25	0.60	1.20	55.78	112.42
63	4.16	11.16	0.60	1.20	55.80	112.47
64	4.22	11.34	0.60	1.28	55.06	112.52
65	4.27	11.88	0.60	1.28	53.70	112.77
66	4.36	12.69	0.64	1.28	51.80	113.24
67	4.41	13.86	0.68	1.28	49.20	113.94
68	4.47	15.83	0.73	1.37	43.57	114.81
69	4.55	21.23	0.76	1.46	37.51	115.54
70	4.61	25.10	0.75	1.46	32.33	116.28
71	4.66	28.88	0.81	1.46	29.55	117.42
72	4.75	33.47	1.03	1.54	28.21	118.83
73	4.80	36.62	1.17	1.63	27.04	119.76
74	4.86	38.51	1.12	1.63	25.91	120.38
75	4.95	41.84	1.23	1.80	23.84	120.95
76	4.99	49.84	1.33	1.88	21.82	122.02
77	5.06	57.85	1.50	1.88	19.29	124.05
78	5.16	79.17	2.15	1.88	18.30	125.71
79	5.19	78.63	2.30	1.88	17.09	127.25
80	5.25	92.58	2.54	1.97	16.58	128.15
81	5.32	99.96	2.85	2.23	16.45	129.16
82	5.41	98.70	3.23	2.23	17.42	129.81
83	5.46	92.67	3.35	2.31	19.06	130.14
84	5.53	86.55	3.45	2.40	20.92	130.20
85	5.60	79.80	3.55	2.40	23.20	130.19
86	5.66	71.17	3.63	2.40	25.93	130.01
87	5.71	62.26	3.57	2.40	28.99	129.59
88	5.78	53.98	3.39	2.48	31.78	128.99
89	5.85	49.03	3.21	2.48	33.93	128.23
90	5.94	44.71	2.93	2.48	34.87	127.61
91	5.99	44.44	2.81	2.48	34.64	127.07
92	6.04	45.25	2.66	2.40	33.39	126.66
93	6.10	46.06	2.44	2.31	32.33	126.08
94	6.18	43.73	2.22	2.31	31.51	125.49
95	6.25	43.55	2.11	2.31	31.25	124.99
96	6.30	43.01	2.04	2.31	30.73	124.68

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
97	6.37	43.37	1.96	2.31	29.92	124.37
98	6.43	44.36	1.85	2.31	28.31	124.22
99	6.53	48.58	1.84	2.31	26.66	124.20
100	6.58	50.83	1.85	2.31	25.39	124.36
101	6.64	52.18	1.87	2.31	25.04	124.46
102	6.72	51.37	1.89	2.31	25.72	124.40
103	6.79	46.78	1.86	2.31	27.12	124.20
104	6.84	43.46	1.82	2.31	28.87	123.62
105	6.89	38.87	1.63	2.40	28.97	122.61
106	6.98	38.69	1.27	2.57	28.58	121.77
107	7.03	38.96	1.36	2.57	28.52	121.27
108	7.12	35.72	1.38	2.40	30.44	121.24
109	7.17	31.85	1.34	2.31	33.15	120.83
110	7.22	28.25	1.28	2.31	35.35	120.18
111	7.30	26.45	1.17	2.31	35.58	119.52
112	7.36	28.03	1.07	2.31	34.10	118.69
113	7.42	27.80	0.91	2.31	29.90	118.01
114	7.49	34.01	0.80	2.31	25.59	117.37
115	7.55	38.15	0.75	2.40	22.17	117.49
116	7.61	41.75	0.84	2.31	20.57	117.70
117	7.69	42.74	0.81	2.14	20.72	118.42
118	7.76	42.47	0.96	2.14	21.59	119.00
119	7.81	41.66	1.06	2.14	23.35	119.78
120	7.90	40.04	1.15	2.14	24.70	120.19
121	7.95	39.50	1.18	2.14	26.50	120.67
122	8.04	37.61	1.33	2.14	27.66	121.09
123	8.07	38.42	1.39	2.23	28.31	121.70
124	8.15	41.21	1.49	2.31	27.57	121.96
125	8.21	42.38	1.43	2.23	26.64	121.82
126	8.29	41.21	1.27	2.23	25.68	121.27
127	8.35	41.21	1.18	2.23	24.47	120.62
128	8.41	42.92	1.10	2.23	22.02	120.19
129	8.49	49.57	1.00	2.31	19.25	119.83
130	8.53	53.71	0.94	2.40	16.09	119.47
131	8.60	62.89	0.83	2.23	13.56	118.99
132	8.69	68.02	0.73	2.23	11.60	118.59
133	8.74	71.53	0.73	2.23	10.40	118.44
134	8.84	76.92	0.74	2.14	9.71	118.63
135	8.88	80.79	0.75	2.14	9.05	118.90
136	8.94	85.65	0.77	2.14	8.60	119.30
137	9.03	90.51	0.82	2.14	8.25	119.72
138	9.08	93.93	0.84	2.14	8.03	120.05
139	9.13	95.37	0.85	2.14	7.76	120.31
140	9.22	100.23	0.88	2.14	7.60	120.52
141	9.26	101.67	0.90	2.14	7.45	120.72
142	9.32	102.29	0.90	2.23	7.49	120.81
143	9.40	101.31	0.91	2.14	7.60	120.82
144	9.46	100.32	0.91	2.14	7.67	120.83

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
145	9.52	101.13	0.91	2.14	7.07	119.96
146	9.62	100.95	0.61	2.14	6.47	119.18
147	9.67	102.65	0.66	2.23	5.89	118.49
148	9.72	104.90	0.71	2.23	6.14	119.27
149	9.82	107.60	0.81	2.23	6.40	119.97
150	9.86	108.77	0.86	2.23	7.04	120.54
151	9.91	99.24	0.91	2.23	7.47	120.90
152	9.97	104.45	0.95	2.23	7.91	121.20
153	10.04	104.63	0.99	2.23	8.00	121.58
154	10.12	104.36	1.05	2.23	8.29	122.00
155	10.20	106.25	1.12	2.23	8.44	122.40
156	10.25	109.22	1.15	2.23	8.27	122.79
157	10.32	115.61	1.19	2.23	7.99	123.25
158	10.41	122.27	1.29	2.23	7.75	123.77
159	10.46	126.77	1.35	2.23	7.60	124.31
160	10.52	131.54	1.43	2.31	7.49	124.78
161	10.56	136.30	1.50	2.31	7.46	125.32
162	10.64	141.07	1.63	2.31	7.51	125.88
163	10.71	144.67	1.74	2.31	7.66	126.47
164	10.80	147.55	1.86	2.40	7.87	127.01
165	10.86	149.71	1.99	2.40	7.88	127.18
166	10.90	150.07	1.85	2.40	6.95	126.14
167	10.97	149.08	1.10	2.40	6.10	124.84
168	11.05	144.85	1.20	2.40	5.62	123.85
169	11.10	142.51	1.35	2.40	6.87	125.20
170	11.20	141.61	1.87	2.40	8.51	126.52
171	11.24	130.55	2.13	2.40	10.15	127.97
172	11.31	136.93	2.55	2.40	11.39	128.93
173	11.35	136.75	2.81	2.40	12.72	129.93
174	11.42	127.04	3.25	2.40	15.04	130.69
175	11.51	110.84	3.72	2.57	17.70	131.32
176	11.57	107.78	3.98	2.83	19.81	131.66
177	11.62	104.63	4.02	3.08	20.54	131.80
178	11.71	104.59	4.03	3.51	20.83	131.79
179	11.76	104.54	4.01	4.03	20.66	131.81
180	11.82	107.42	4.01	4.11	20.94	131.77
181	11.90	100.86	4.01	3.85	21.73	131.69
182	11.95	93.93	4.02	3.68	23.61	131.48
183	12.01	83.04	4.01	3.51	26.03	131.03
184	12.12	70.63	3.73	3.43	28.81	130.47
185	12.14	64.24	3.63	3.34	31.41	129.67
186	12.21	55.78	3.29	3.34	33.50	128.76
187	12.28	49.03	2.86	3.34	35.32	127.52
188	12.36	43.73	2.46	3.34	36.59	126.33
189	12.41	40.67	2.27	3.43	37.29	125.39
190	12.51	39.32	2.12	3.60	37.46	124.90
191	12.54	39.86	2.08	3.60	35.51	124.71
192	12.61	46.15	2.01	3.68	31.80	124.83

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
193	12.69	55.33	1.98	3.60	27.39	125.09
194	12.75	64.51	1.98	3.60	23.45	125.45
195	12.80	75.57	1.98	3.51	19.83	125.88
196	12.89	91.41	1.99	3.43	17.02	126.25
197	12.95	100.68	1.99	3.43	14.96	126.53
198	13.00	108.14	1.98	3.43	13.87	126.76
199	13.10	113.00	2.04	3.34	13.37	126.88
200	13.14	111.92	2.01	3.25	13.34	126.86
201	13.19	108.77	1.97	3.17	13.89	126.66
202	13.27	100.05	1.96	3.17	15.16	126.44
203	13.34	88.98	1.98	3.17	17.56	126.28
204	13.39	75.57	2.08	3.08	21.41	125.85
205	13.48	55.33	1.97	3.08	25.20	125.27
206	13.53	53.80	1.85	2.91	28.42	124.43
207	13.59	48.40	1.72	3.00	29.86	123.71
208	13.66	42.11	1.60	3.17	32.30	122.90
209	13.73	37.25	1.50	3.25	34.63	122.00
210	13.78	34.01	1.33	3.51	35.95	121.06
211	13.85	32.30	1.19	3.60	35.97	119.91
212	13.93	30.86	0.99	3.60	35.36	118.91
213	13.98	30.59	0.92	3.60	34.79	118.10
214	14.07	29.87	0.89	3.60	34.96	117.74
215	14.13	28.88	0.87	3.60	35.60	117.53
216	14.22	28.07	0.87	3.60	36.46	117.40
217	14.26	27.44	0.87	3.60	37.13	117.31
218	14.31	26.99	0.86	3.60	37.63	117.24
219	14.37	26.72	0.86	3.60	38.22	117.14
220	14.45	25.82	0.85	3.60	38.99	117.02
221	14.51	25.01	0.84	3.60	40.14	116.82
222	14.58	23.66	0.82	3.60	41.25	116.61
223	14.65	23.03	0.81	3.60	42.44	116.38
224	14.72	22.13	0.80	3.51	43.24	116.13
225	14.81	21.50	0.76	3.51	43.93	115.83
226	14.86	21.05	0.74	3.51	44.22	115.54
227	14.91	20.78	0.72	3.51	44.54	115.31
228	14.96	20.33	0.71	3.51	44.80	115.07
229	15.03	19.97	0.68	3.51	44.75	114.64
230	15.11	19.61	0.62	3.51	43.71	113.64
231	15.20	18.98	0.47	3.43	42.45	112.53
232	15.25	18.71	0.44	3.43	41.40	111.63
233	15.29	18.71	0.45	3.43	41.49	111.56
234	15.36	18.71	0.45	3.43	41.47	111.77
235	15.45	19.43	0.48	3.43	44.42	111.92
236	15.50	15.12	0.51	3.43	43.84	112.57
237	15.58	21.32	0.56	3.34	43.26	113.20
238	15.62	22.22	0.59	3.34	39.48	114.19
239	15.70	24.56	0.65	3.34	38.72	114.93
240	15.78	25.55	0.72	3.34	37.89	115.67

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
241	15.83	26.90	0.75	3.43	37.52	116.22
242	15.88	27.71	0.79	3.43	37.28	116.68
243	15.98	28.16	0.84	3.43	37.37	117.05
244	16.03	28.52	0.86	3.43	37.49	117.37
245	16.08	28.97	0.89	3.43	37.16	117.74
246	16.16	30.77	0.94	3.43	35.66	118.22
247	16.22	34.91	0.98	3.51	33.30	118.73
248	16.30	38.60	0.99	3.60	31.17	119.08
249	16.35	40.04	1.00	3.68	30.05	119.29
250	16.41	40.49	1.02	3.68	29.84	119.69
251	16.51	42.20	1.13	3.85	30.01	120.21
252	16.56	43.10	1.20	3.85	30.09	120.73
253	16.61	44.00	1.24	3.94	29.89	121.06
254	16.67	45.52	1.27	4.03	29.51	121.39
255	16.76	47.41	1.34	4.03	29.15	121.72
256	16.81	48.40	1.37	4.11	27.98	121.58
257	16.88	50.02	1.15	4.11	26.62	121.30
258	16.93	52.09	1.15	4.20	26.93	122.05
259	17.02	53.26	1.72	4.28	28.55	123.34
260	17.09	53.35	1.89	4.28	30.48	124.52
261	17.15	53.35	1.97	4.28	31.08	124.90
262	17.20	54.07	2.01	4.28	31.57	125.11
263	17.27	53.08	2.07	4.45	32.20	125.28
264	17.33	52.09	2.12	4.45	33.41	125.41
265	17.40	49.84	2.18	4.63	34.74	125.44
266	17.47	47.77	2.17	4.63	35.85	125.31
267	17.53	46.60	2.09	4.71	36.43	125.00
268	17.59	45.16	1.98	4.63	36.71	124.57
269	17.66	43.46	1.88	4.71	37.22	124.19
270	17.72	42.02	1.85	4.63	38.15	123.93
271	17.78	40.22	1.85	4.71	39.04	123.78
272	17.86	39.59	1.82	4.63	39.65	123.60
273	17.92	39.05	1.76	4.63	40.04	123.32
274	18.02	37.34	1.69	4.54	40.69	123.02
275	18.07	35.99	1.66	4.54	41.93	122.69
276	18.12	33.65	1.62	4.54	43.04	122.33
277	18.19	32.48	1.53	4.54	43.71	121.83
278	18.26	31.67	1.41	4.54	43.62	121.29
279	18.31	31.13	1.33	4.54	43.14	120.64
280	18.40	30.32	1.20	4.54	42.73	120.19
281	18.44	30.50	1.19	4.54	42.41	119.86
282	18.51	30.32	1.18	4.54	43.15	119.66
283	18.59	27.80	1.13	4.54	44.45	119.38
284	18.66	26.63	1.11	4.54	46.50	119.05
285	18.70	25.01	1.10	4.37	49.05	118.70
286	18.80	21.95	1.06	4.28	53.05	118.14
287	18.86	18.62	0.99	4.20	57.87	117.39
288	18.91	16.73	0.92	4.20	63.04	116.35

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
289	18.98	13.77	0.80	4.11	67.11	115.13
290	19.05	12.42	0.68	3.94	69.77	113.92
291	19.10	12.42	0.63	3.94	69.06	113.11
292	19.16	12.78	0.59	3.94	65.00	112.77
293	19.25	14.67	0.55	4.03	60.91	112.61
294	19.30	15.38	0.55	4.03	55.56	113.16
295	19.39	18.98	0.65	4.11	51.16	113.85
296	19.44	21.23	0.65	4.11	46.44	114.56
297	19.49	23.93	0.65	4.11	43.35	115.18
298	19.57	26.18	0.75	4.20	41.65	116.03
299	19.64	27.71	0.83	4.28	40.87	116.91
300	19.69	29.24	0.87	4.28	40.46	117.58
301	19.77	30.14	0.94	4.37	42.15	117.89
302	19.82	25.55	0.97	4.37	41.67	118.32
303	19.89	32.30	1.01	4.45	41.06	118.55
304	19.95	32.75	1.01	4.45	38.47	118.78
305	20.03	33.11	0.98	4.54	38.02	118.72
306	20.09	33.29	0.97	4.54	37.89	118.71
307	20.17	33.20	1.00	4.63	38.28	118.83
308	20.22	32.84	1.03	4.63	39.18	119.12
309	20.28	32.57	1.10	4.71	40.26	119.73
310	20.38	33.74	1.27	4.71	41.04	120.38
311	20.43	34.55	1.33	4.71	41.66	121.02
312	20.48	34.64	1.41	4.71	42.29	121.51
313	20.58	35.00	1.53	4.63	43.26	121.91
314	20.63	34.55	1.57	4.54	43.87	122.09
315	20.68	34.28	1.53	4.54	44.40	122.16
316	20.77	34.19	1.58	4.54	44.58	122.19
317	20.82	34.46	1.59	4.54	45.22	122.43
318	20.87	34.19	1.69	4.54	45.42	122.81
319	20.98	35.99	1.81	4.63	44.80	123.31
320	21.02	39.23	1.87	4.71	42.80	123.84
321	21.07	43.10	1.94	4.71	38.83	124.39
322	21.17	52.72	1.99	4.80	33.86	125.00
323	21.22	64.51	2.03	4.88	28.32	125.65
324	21.27	79.44	2.07	4.97	22.54	126.46
325	21.36	107.06	2.17	4.88	18.15	127.25
326	21.41	125.78	2.25	4.80	15.32	127.92
327	21.46	134.86	2.31	4.71	13.24	128.39
328	21.55	157.09	2.33	4.63	11.99	128.63
329	21.61	160.33	2.30	4.63	11.13	128.77
330	21.66	160.33	2.31	4.54	11.45	129.00
331	21.75	155.47	2.55	4.54	12.45	129.46
332	21.81	149.17	2.83	4.54	14.13	130.06
333	21.86	139.36	3.10	4.45	16.86	130.69
334	21.95	119.21	3.58	4.37	20.26	131.08
335	22.00	105.35	3.73	4.45	24.00	131.17
336	22.06	94.38	3.69	4.28	25.59	129.74

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
337	22.15	77.37	2.06	4.45	26.22	127.54
338	22.20	66.76	1.63	4.63	26.45	124.89
339	22.25	59.29	1.73	4.80	29.26	124.19
340	22.34	52.81	1.78	5.05	32.66	124.33
341	22.40	50.92	1.90	5.14	35.29	124.61
342	22.45	50.20	2.05	5.14	37.32	125.28
343	22.52	50.38	2.36	5.22	38.55	125.98
344	22.59	52.27	2.51	5.31	36.71	126.84
345	22.66	66.13	2.66	5.48	33.92	127.56
346	22.72	71.89	2.82	5.48	31.61	128.37
347	22.80	75.39	3.10	5.48	31.52	129.04
348	22.85	75.75	3.35	5.57	31.93	129.65
349	22.91	77.55	3.54	5.57	32.29	130.04
350	22.99	78.63	3.60	5.57	32.04	129.85
351	23.04	75.03	3.10	5.57	32.58	129.45
352	23.13	68.74	3.12	5.57	33.82	129.27
353	23.18	68.92	3.50	5.65	31.32	129.69
354	23.24	96.81	3.34	5.74	24.94	130.93
355	23.33	143.77	3.92	5.74	20.50	131.94
356	23.37	146.38	4.21	5.57	18.49	133.20
357	23.43	163.20	4.80	5.14	18.90	134.08
358	23.52	162.12	5.38	5.14	19.82	134.82
359	23.57	151.96	5.68	5.14	22.21	135.12
360	23.64	130.55	5.85	5.14	25.17	135.03
361	23.71	116.33	5.79	5.14	28.53	134.70
362	23.77	103.82	5.66	5.14	30.87	134.26
363	23.83	97.53	5.37	5.31	33.03	133.57
364	23.91	84.57	4.83	5.82	34.37	132.87
365	23.96	81.78	4.59	5.91	36.36	132.14
366	24.02	72.61	4.41	5.74	37.84	131.64
367	24.08	68.74	4.23	5.74	39.03	131.25
368	24.16	70.18	4.13	5.74	38.93	130.86
369	24.21	68.38	3.83	5.74	37.80	130.23
370	24.31	67.12	3.25	5.65	36.32	129.29
371	24.35	67.03	2.84	5.48	36.48	127.98
372	24.43	52.63	2.42	5.48	39.12	126.70
373	24.51	42.47	2.23	5.48	43.23	125.61
374	24.56	42.74	2.16	5.82	45.80	124.93
375	24.65	39.86	2.03	6.00	44.99	124.65
376	24.70	43.01	1.98	6.17	40.15	124.73
377	24.75	59.02	1.98	6.34	32.75	124.73
378	24.84	70.99	1.65	6.34	24.71	124.91
379	24.87	94.74	1.64	6.51	19.51	125.31
380	24.95	112.46	1.89	6.59	17.84	127.12
381	25.03	122.63	2.73	6.34	18.05	128.91
382	25.10	128.03	3.12	5.91	18.78	130.30
383	25.15	132.25	3.35	5.48	19.46	130.91
384	25.20	126.77	3.50	4.28	19.72	131.36

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
385	25.28	135.04	3.69	4.20	20.32	131.80
386	25.33	134.05	3.98	4.20	21.79	132.43
387	25.40	120.65	4.57	4.80	24.46	133.21
388	25.46	117.77	5.27	4.88	28.01	133.87
389	25.53	107.33	5.66	4.97	29.90	134.37
390	25.61	111.83	5.82	4.97	31.00	134.42
391	25.68	108.41	5.56	5.05	31.30	134.13
392	25.73	98.70	5.12	4.88	34.60	133.16
393	25.80	66.67	4.54	5.31	39.26	132.02
394	25.87	60.55	4.21	5.31	43.82	130.86
395	25.93	61.45	3.82	5.57	40.55	130.12
396	25.98	73.51	3.21	5.65	35.75	129.37
397	26.06	76.74	2.84	5.31	32.44	128.69
398	26.13	72.97	2.79	5.22	32.67	128.21
399	26.19	66.13	2.74	5.14	35.95	127.81
400	26.27	53.71	2.69	5.05	40.40	127.29
401	26.32	47.23	2.60	5.05	45.12	126.61
402	26.39	42.83	2.41	5.31	47.03	126.07
403	26.46	43.64	2.32	5.40	48.15	125.67
404	26.52	41.21	2.32	5.40	49.77	125.46
405	26.60	37.07	2.31	5.65	51.59	125.35
406	26.65	38.42	2.31	5.74	52.36	125.28
407	26.71	39.05	2.30	5.74	50.05	125.22
408	26.79	42.47	2.15	5.82	46.80	125.10
409	26.86	46.51	2.06	5.74	44.15	124.88
410	26.91	45.52	2.01	5.57	44.25	124.50
411	27.00	39.50	1.88	5.74	45.58	124.13
412	27.06	40.13	1.85	5.65	47.86	123.67
413	27.11	36.44	1.80	5.74	47.38	123.10
414	27.21	37.25	1.50	5.91	46.59	122.31
415	27.25	37.52	1.36	5.91	43.25	120.99
416	27.35	37.25	1.02	6.00	40.88	119.87
417	27.37	37.25	0.95	6.00	39.49	119.12
418	27.45	37.16	1.04	6.08	39.70	119.31
419	27.50	37.88	1.09	6.17	40.53	119.98
420	27.60	38.87	1.23	6.25	43.38	120.35
421	27.63	31.85	1.28	6.25	43.67	121.04
422	27.72	41.12	1.40	6.25	43.69	121.56
423	27.78	42.11	1.48	6.25	41.59	122.25
424	27.82	42.29	1.55	6.25	42.03	122.62
425	27.90	42.38	1.62	6.25	42.77	122.95
426	27.97	42.29	1.69	6.25	43.60	123.29
427	28.03	42.29	1.79	6.25	43.84	123.66
428	28.12	44.27	1.85	6.34	43.54	123.97
429	28.17	45.61	1.88	6.34	42.77	124.20
430	28.23	46.51	1.91	6.42	42.01	124.35
431	28.31	47.95	1.91	6.42	41.67	124.45
432	28.35	47.77	1.93	6.42	41.82	124.72

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
433	28.42	48.13	2.09	6.51	42.69	125.24
434	28.51	49.30	2.34	6.51	43.45	125.85
435	28.57	50.29	2.45	6.51	43.74	126.40
436	28.62	51.82	2.57	6.51	43.68	127.06
437	28.71	55.42	2.93	6.51	43.44	127.77
438	28.77	57.85	3.12	6.51	43.19	128.43
439	28.81	59.38	3.25	6.59	43.26	128.98
440	28.91	60.82	3.55	6.59	43.50	129.51
441	28.96	62.62	3.77	6.59	43.48	130.09
442	29.01	65.86	3.98	6.59	41.41	130.72
443	29.08	78.09	4.22	6.68	38.65	131.33
444	29.16	85.47	4.35	6.68	35.89	131.80
445	29.20	90.15	4.38	6.68	34.53	132.19
446	29.29	93.93	4.66	6.68	34.03	132.51
447	29.33	94.83	4.79	6.68	34.11	132.81
448	29.40	94.74	4.87	6.59	34.24	132.89
449	29.48	94.65	4.82	6.51	34.97	132.80
450	29.54	87.99	4.73	6.51	36.83	132.31
451	29.60	73.87	4.29	6.51	39.31	131.35
452	29.69	65.68	3.61	6.51	42.05	130.41
453	29.73	61.99	3.66	6.51	43.27	129.87
454	29.80	62.12	3.69	6.51	44.25	129.87
455	29.86	61.63	3.69	6.68	44.37	129.93
456	29.92	62.26	3.74	6.68	41.42	130.28
457	30.01	79.71	3.88	6.77	38.57	130.67
458	30.07	81.69	3.94	6.85	35.83	131.03
459	30.13	84.03	3.96	6.77	34.74	131.18
460	30.21	89.43	3.98	6.77	33.39	131.33
461	30.26	93.84	4.00	6.77	31.41	131.54
462	30.33	103.01	4.02	6.77	29.74	131.65
463	30.39	105.98	3.95	6.77	28.08	131.66
464	30.46	109.85	3.82	6.77	26.70	131.65
465	30.52	117.14	3.83	6.77	25.43	131.76
466	30.60	122.45	3.94	6.85	24.30	132.01
467	30.66	129.02	4.01	6.85	23.12	132.17
468	30.75	136.03	3.88	6.68	22.10	132.16
469	30.80	136.84	3.78	6.59	21.26	131.97
470	30.85	136.84	3.64	6.59	20.47	131.73
471	30.93	142.42	3.46	6.77	19.18	131.52
472	31.00	152.68	3.35	6.77	17.77	131.39
473	31.04	158.35	3.29	6.68	16.29	131.23
474	31.13	166.53	3.06	6.51	15.06	130.93
475	31.19	170.67	2.86	6.51	13.98	130.58
476	31.24	172.83	2.77	6.51	13.27	130.31
477	31.32	176.16	2.70	6.51	12.88	130.23
478	31.39	178.23	2.72	6.51	12.68	130.28
479	31.44	179.67	2.79	6.51	12.64	130.49
480	31.52	184.08	2.90	6.51	12.72	130.76

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
481	31.57	185.07	3.00	6.51	12.92	131.13
482	31.63	186.78	3.20	6.51	12.79	131.24
483	31.72	191.63	3.00	6.51	12.42	131.36
484	31.77	199.82	3.07	6.51	11.73	131.41
485	31.84	208.91	3.14	6.51	11.35	131.69
486	31.92	214.22	3.25	6.51	11.19	131.92
487	31.97	214.40	3.30	6.42	11.21	132.09
488	32.03	214.58	3.33	6.25	11.19	132.12
489	32.10	216.74	3.29	6.25	11.16	132.12
490	32.17	216.02	3.29	6.25	11.17	132.10
491	32.22	213.50	3.30	6.17	11.49	132.12
492	32.29	207.02	3.37	6.17	12.32	132.32
493	32.37	197.75	3.67	6.17	13.59	132.61
494	32.42	187.41	3.87	6.08	15.77	132.96
495	32.49	163.65	4.20	6.08	18.53	133.35
496	32.56	150.70	4.68	6.08	21.62	133.65
497	32.62	141.16	4.85	6.08	24.06	134.00
498	32.70	136.03	5.19	6.34	26.17	134.23
499	32.75	127.94	5.41	6.42	28.23	134.48
500	32.81	122.09	5.65	6.59	30.83	134.58
501	32.91	109.76	5.79	6.77	33.74	134.40
502	33.01	96.54	5.51	6.68	32.88	133.28
503	33.11	108.10	3.46	6.85	31.64	132.06
504	33.20	98.25	3.69	7.11	28.50	131.04
505	33.21	106.43	3.73	7.11	28.42	131.43
506	33.29	116.24	3.96	7.02	27.35	131.83
507	33.35	117.05	4.10	6.94	25.76	132.31
508	33.40	134.50	4.21	6.59	25.09	132.64
509	33.50	132.16	4.36	6.68	24.69	132.90
510	33.55	128.48	4.43	6.59	25.80	133.01
511	33.60	123.17	4.52	6.59	27.57	133.01
512	33.70	111.56	4.61	6.59	29.84	132.96
513	33.75	104.00	4.66	6.59	32.43	132.86
514	33.80	97.26	4.70	6.68	34.98	132.72
515	33.90	88.44	4.70	6.68	37.52	132.55
516	33.95	83.13	4.68	6.68	39.73	132.32
517	33.99	79.62	4.58	6.68	40.83	131.97
518	34.07	76.92	4.26	6.68	40.69	131.54
519	34.13	78.09	4.00	6.68	38.99	131.23
520	34.19	85.20	3.94	6.77	36.78	131.27
521	34.26	91.32	4.09	6.77	34.80	131.59
522	34.32	96.90	4.24	6.77	33.53	131.91
523	34.39	100.32	4.27	6.59	33.64	132.04
524	34.47	92.94	4.29	6.59	35.02	131.95
525	34.52	85.11	4.27	6.59	35.69	131.72
526	34.62	91.99	4.00	6.59	36.37	131.45
527	34.66	84.21	3.96	6.77	35.20	131.30
528	34.73	91.05	3.94	6.94	33.99	131.39

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
529	34.78	102.29	3.99	7.02	30.30	131.77
530	34.87	121.37	4.08	6.85	26.95	132.13
531	34.93	132.08	4.04	6.77	24.21	132.38
532	34.98	141.07	3.98	6.77	21.43	132.01
533	35.05	151.87	3.21	6.68	18.43	131.12
534	35.12	158.44	2.55	6.59	15.99	130.22
535	35.19	163.38	2.72	6.51	15.25	130.04
536	35.26	162.30	2.93	6.51	15.93	130.53
537	35.30	158.08	3.13	6.42	17.45	131.04
538	35.37	148.00	3.47	6.42	19.97	131.56
539	35.44	131.98	3.86	6.08	23.57	132.08
540	35.51	117.77	4.26	6.00	28.11	132.34
541	35.57	100.05	4.41	6.00	33.16	132.31
542	35.63	84.48	4.43	6.00	38.56	131.90
543	35.72	72.16	4.23	6.00	42.81	131.33
544	35.77	67.93	3.99	6.08	45.59	130.56
545	35.85	61.81	3.58	6.34	46.66	129.80
546	35.92	59.20	3.30	6.51	47.41	129.09
547	35.96	57.67	3.16	6.77	47.85	128.53
548	36.05	54.70	2.97	7.28	48.29	128.21
549	36.12	54.79	2.98	7.28	48.58	128.00
550	36.17	54.79	2.95	7.28	48.35	127.91
551	36.23	54.79	2.87	7.28	48.35	127.86
552	36.31	54.43	2.92	7.37	48.97	128.01
553	36.36	54.16	3.14	7.37	51.17	128.68
554	36.46	53.62	3.75	7.45	52.97	129.53
555	36.52	56.50	4.08	7.54	52.78	130.43
556	36.57	63.61	4.35	7.62	46.44	131.38
557	36.63	89.34	4.59	7.88	39.80	132.26
558	36.68	103.91	4.79	7.88	34.16	133.15
559	36.76	119.30	5.15	7.88	31.26	133.77
560	36.81	128.39	5.28	7.88	28.14	134.31
561	36.91	150.25	5.29	7.79	25.82	134.59
562	36.95	156.55	5.28	7.62	24.03	134.70
563	37.02	157.63	5.17	7.37	23.72	134.56
564	37.12	151.69	4.99	7.28	23.86	134.34
565	37.16	148.45	4.90	7.28	24.25	134.13
566	37.21	146.11	4.86	7.19	24.63	134.02
567	37.31	143.50	4.86	7.28	24.97	133.96
568	37.34	142.42	4.86	7.19	25.36	133.94
569	37.41	140.26	4.88	7.28	25.82	133.99
570	37.49	139.00	5.02	7.19	26.35	134.09
571	37.56	138.19	5.11	7.11	26.77	134.19
572	37.61	137.47	5.11	7.02	26.76	134.12
573	37.70	137.65	4.89	7.02	26.36	133.95
574	37.75	139.36	4.74	7.02	25.55	133.71
575	37.80	142.33	4.59	7.02	24.70	133.57
576	37.87	145.84	4.53	7.02	23.81	133.55

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
577	37.94	151.96	4.58	7.02	22.48	133.34
578	38.00	157.00	4.05	7.02	20.75	133.25
579	38.09	172.11	4.13	7.02	19.17	133.15
580	38.15	178.32	4.18	7.02	18.11	133.39
581	38.20	185.97	4.23	7.02	18.44	133.56
582	38.29	171.03	4.44	6.94	18.48	133.90
583	38.36	188.94	4.70	7.11	18.70	134.27
584	38.40	193.79	4.86	7.11	18.09	134.65
585	38.45	197.66	4.96	7.11	17.57	134.87
586	38.54	209.45	4.98	7.11	17.05	135.00
587	38.60	211.52	4.97	7.11	17.15	135.15
588	38.69	201.08	5.24	7.11	18.31	135.24
589	38.74	185.52	5.38	7.11	20.64	135.28
590	38.79	162.84	5.49	7.02	24.40	134.99
591	38.85	126.14	5.39	6.94	29.53	134.32
592	38.95	100.32	4.97	7.02	35.33	133.44
593	39.00	88.71	4.71	6.85	39.70	132.51
594	39.04	78.72	4.34	7.02	43.32	131.34
595	39.14	62.53	3.51	7.11	47.12	129.97
596	39.19	54.61	3.14	7.19	50.82	128.37
597	39.24	48.85	2.68	7.28	55.46	126.90
598	39.34	41.75	2.15	7.54	57.12	125.53
599	39.38	40.04	2.01	7.54	58.19	124.21
600	39.46	37.61	1.73	7.79	58.15	123.23
601	39.53	36.08	1.50	7.88	57.48	122.06
602	39.58	35.09	1.31	7.96	55.81	120.69
603	39.64	34.10	1.00	8.05	52.75	119.77
604	39.70	33.38	1.07	8.14	52.64	119.23
605	39.78	32.75	1.09	8.22	55.93	119.41
606	39.83	32.79	1.09	8.31	56.23	119.40
607	39.91	32.79	1.08	8.39	56.71	119.61
608	39.99	32.84	1.19	9.51	58.14	120.05
609	40.05	32.12	1.31	9.51	60.24	120.73
610	40.14	32.03	1.43	9.59	61.53	121.27
611	40.18	33.11	1.48	9.68	61.03	121.78
612	40.24	35.63	1.56	9.76	58.80	122.31
613	40.30	39.41	1.65	9.76	57.62	123.45
614	40.39	42.38	2.13	9.85	57.65	124.75
615	40.44	43.82	2.46	9.94	58.11	126.05
616	40.49	47.05	2.72	10.02	56.41	127.14
617	40.58	55.42	3.05	10.11	51.11	128.04
618	40.63	61.72	3.19	10.19	47.02	128.90
619	40.69	70.27	3.40	10.19	42.87	129.61
620	40.77	81.69	3.57	10.02	40.21	130.09
621	40.83	81.78	3.56	10.02	38.68	130.29
622	40.88	81.87	3.52	10.02	39.18	130.45
623	40.98	81.15	3.82	10.02	40.14	130.67
624	41.01	79.44	3.92	10.02	42.06	130.98

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
625	41.08	75.39	4.11	10.02	43.86	131.11
626	41.17	73.59	4.17	10.19	43.53	131.29
627	41.23	83.76	4.16	10.62	39.79	131.61
628	41.27	101.22	4.21	10.71	33.77	131.86
629	41.35	120.20	3.90	10.62	27.57	131.69
630	41.42	138.82	3.24	10.19	23.28	131.61
631	41.47	151.96	3.61	9.85	20.89	131.83
632	41.56	161.40	3.88	9.68	20.31	132.43
633	41.62	165.18	3.94	9.59	20.49	132.81
634	41.69	159.79	4.15	9.42	20.13	133.16
635	41.74	178.41	4.32	9.08	19.64	133.60
636	41.80	187.86	4.52	8.91	18.81	134.07
637	41.87	192.26	4.75	8.91	18.61	134.48
638	41.94	196.94	4.94	8.91	18.57	134.80
639	41.99	200.27	5.04	8.91	18.49	135.02
640	42.07	202.34	5.13	9.08	18.44	135.09
641	42.15	201.08	5.05	8.99	18.44	135.01
642	42.20	197.66	4.90	8.99	18.49	134.76
643	42.27	192.17	4.69	8.99	18.78	134.49
644	42.34	185.70	4.65	8.99	19.76	134.37
645	42.42	173.01	4.87	8.91	21.04	134.37
646	42.46	167.70	4.92	8.91	22.38	134.03
647	42.52	151.69	4.30	8.82	24.53	133.35
648	42.62	121.10	4.10	8.82	28.22	132.49
649	42.68	101.22	4.10	8.82	33.67	131.95
650	42.74	89.25	4.15	8.82	35.90	131.86
651	42.81	102.30	4.21	9.42	37.56	131.90
652	42.88	90.06	4.32	10.28	36.32	132.20
653	42.93	103.37	4.47	10.53	33.71	132.88
654	43.02	135.67	4.97	10.19	28.88	133.80
655	43.08	158.44	5.22	9.59	25.59	134.55
656	43.12	165.18	5.28	9.42	23.77	134.72
657	43.20	168.51	4.97	8.99	22.82	134.52
658	43.25	168.60	4.70	8.82	22.33	134.09
659	43.31	161.04	4.48	8.82	23.55	133.58
660	43.39	134.41	4.33	8.74	26.89	132.96
661	43.46	107.33	4.20	8.65	32.60	132.20
662	43.51	85.65	4.02	8.56	39.63	131.08
663	43.59	64.24	3.45	8.48	45.79	129.77
664	43.65	58.21	3.01	8.56	50.46	128.28
665	43.71	51.64	2.62	8.31	52.85	126.77
666	43.78	43.37	2.08	8.56	57.04	125.00
667	43.86	39.50	1.63	8.82	57.85	123.32
668	43.91	38.69	1.49	8.91	56.68	121.91
669	43.99	37.97	1.23	9.08	52.56	120.90
670	44.06	37.79	1.08	9.16	50.87	119.94
671	44.11	37.25	1.04	9.25	50.35	119.43
672	44.16	36.44	1.02	9.34	50.86	119.24

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
673	44.23	35.72	1.02	9.34	51.73	119.16
674	44.30	35.09	1.02	9.42	55.31	119.10
675	44.38	34.10	1.02	9.51	56.25	119.04
676	44.45	33.47	1.02	9.59	57.06	118.94
677	44.50	33.02	1.00	9.68	51.68	117.36
678	44.59	32.48	0.44	9.76	49.27	116.00
679	44.65	32.21	0.61	9.85	47.84	115.16
680	44.70	32.30	0.78	9.94	50.49	116.41
681	44.75	32.75	0.78	10.02	51.96	117.30
682	44.83	33.38	0.88	10.11	52.29	117.90
683	44.89	34.46	0.97	10.19	62.80	118.29
684	44.95	19.79	1.06	10.53	60.96	119.22
685	45.05	40.58	1.19	10.71	59.26	120.08
686	45.11	41.84	1.29	10.71	49.23	121.02
687	45.15	41.84	1.29	10.71	49.24	121.20
688	45.21	41.75	1.27	10.79	49.45	121.15
689	45.29	41.03	1.26	10.88	50.05	121.03
690	45.35	39.77	1.25	10.96	51.16	120.75
691	45.45	37.52	1.17	11.13	52.09	120.45
692	45.50	37.34	1.15	11.13	52.53	120.19
693	45.55	37.43	1.15	11.22	52.28	120.10
694	45.60	37.61	1.13	11.30	51.13	119.70
695	45.68	37.79	0.97	11.39	49.96	119.26
696	45.74	37.79	0.96	11.39	48.82	118.85
697	45.81	38.06	0.96	11.48	48.90	118.85
698	45.88	37.70	0.97	11.39	49.71	118.91
699	45.95	36.35	0.99	11.39	51.88	118.88
700	46.02	33.29	0.99	11.56	56.92	118.69
701	46.09	31.85	0.95	11.56	58.70	118.31
702	46.15	31.13	0.89	11.65	59.13	117.88
703	46.23	30.68	0.85	11.65	58.56	117.44
704	46.26	31.13	0.80	11.65	57.38	116.77
705	46.34	30.59	0.68	11.73	56.45	116.44
706	46.43	31.13	0.74	11.82	56.01	116.36
707	46.49	31.76	0.77	11.90	56.09	116.75
708	46.52	32.12	0.78	11.90	63.92	116.63
709	46.59	17.18	0.83	13.53	63.58	117.59
710	46.69	35.90	1.06	13.79	63.73	118.78
711	46.73	36.71	1.20	13.79	57.45	120.50
712	46.79	37.43	1.39	13.87	58.58	121.58
713	46.87	39.23	1.60	13.96	59.05	122.53
714	46.93	41.12	1.72	14.04	57.96	123.45
715	46.98	45.70	1.90	14.04	57.08	124.50
716	47.07	48.49	2.26	14.22	56.27	125.43
717	47.12	50.20	2.38	14.30	55.44	126.19
718	47.18	54.16	2.48	14.47	50.74	126.75
719	47.27	60.01	2.64	14.56	48.62	127.33
720	47.33	62.89	2.80	14.47	48.10	127.95

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
721	47.38	62.17	3.05	14.47	48.53	128.67
722	47.45	65.77	3.42	14.64	48.63	129.54
723	47.52	71.98	3.82	14.99	40.24	131.03
724	47.59	123.08	4.30	16.36	29.12	132.80
725	47.66	189.30	4.80	16.27	20.97	134.36
726	47.71	232.84	5.13	15.50	17.16	135.53
727	47.77	252.27	5.65	15.07	15.53	136.37
728	47.85	273.24	6.01	14.64	15.02	136.85
729	47.92	272.70	5.96	14.64	14.77	136.93
730	47.97	265.50	5.75	14.56	15.16	136.65
731	48.05	246.34	5.53	14.39	16.18	136.30
732	48.11	224.92	5.53	14.30	18.30	135.98
733	48.17	192.98	5.57	13.96	21.71	135.67
734	48.25	158.71	5.61	13.87	26.09	135.36
735	48.31	139.63	5.71	13.53	31.25	135.07
736	48.41	117.77	5.86	13.36	34.69	134.60
737	48.44	112.37	5.19	13.45	36.49	133.75
738	48.50	106.07	4.35	13.45	37.38	132.91
739	48.57	94.92	4.51	13.62	38.81	132.27
740	48.64	91.14	4.33	13.62	43.81	131.72
741	48.70	66.58	3.99	13.79	49.41	130.81
742	48.76	55.87	3.67	13.79	58.88	129.73
743	48.83	52.72	3.39	13.79	62.88	128.70
744	48.91	44.81	2.96	13.79	61.51	127.94
745	48.97	53.80	2.72	14.30	63.06	127.04
746	49.03	41.57	2.54	14.90	58.80	126.77
747	49.11	54.88	2.49	15.24	56.18	126.67
748	49.15	61.27	2.49	15.41	50.32	126.78
749	49.21	52.99	2.49	15.33	55.81	126.61
750	49.30	44.36	2.48	15.67	61.18	126.50
751	49.36	44.36	2.65	15.84	64.94	126.62
752	49.41	44.17	2.78	16.02	65.82	126.99
753	49.48	44.89	2.88	16.27	64.63	127.32
754	49.56	49.75	2.91	16.36	57.25	128.12
755	49.65	72.61	3.20	16.36	48.22	129.08
756	49.68	78.00	3.54	16.36	44.12	130.37
757	49.74	83.94	4.19	16.36	43.27	131.52
758	49.82	93.03	4.71	15.59	43.04	132.46
759	49.90	93.48	4.97	15.24	41.67	133.09
760	49.94	102.83	5.10	15.24	41.01	133.46
761	50.01	103.91	5.30	13.96	42.18	133.61
762	50.08	88.26	5.37	13.36	44.17	133.61
763	50.15	90.33	5.34	13.36	47.52	133.34
764	50.20	80.43	5.16	13.62	49.73	132.95
765	50.26	71.44	4.88	14.13	52.50	132.20
766	50.33	68.02	4.30	14.47	55.89	131.17
767	50.40	64.69	3.58	14.73	55.57	129.88
768	50.49	58.84	3.04	15.07	55.45	128.69

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
769	50.53	56.68	2.85	15.24	52.29	127.77
770	50.59	57.76	2.57	15.24	55.81	126.98
771	50.69	49.12	2.33	15.59	56.98	126.21
772	50.73	46.69	2.23	15.84	58.29	125.53
773	50.79	48.67	2.07	15.93	58.19	125.00
774	50.85	45.61	1.91	16.10	57.61	124.37
775	50.93	43.91	1.75	16.19	58.75	123.76
776	50.99	41.57	1.71	16.53	59.85	123.36
777	51.05	40.31	1.70	16.61	61.30	123.02
778	51.14	38.42	1.59	16.70	62.47	122.64
779	51.18	36.80	1.52	16.96	63.00	122.21
780	51.26	36.80	1.47	17.04	63.32	122.02
781	51.32	36.80	1.49	17.13	63.31	121.92
782	51.38	36.35	1.47	17.21	63.34	122.08
783	51.47	37.61	1.56	17.47	62.00	122.37
784	51.53	41.30	1.61	17.47	61.52	122.86
785	51.59	40.22	1.73	17.64	61.47	123.54
786	51.65	41.84	1.98	17.64	62.98	124.45
787	51.71	43.37	2.28	17.73	63.15	125.68
788	51.78	47.86	2.69	17.98	59.76	126.84
789	51.85	59.56	2.83	18.16	55.06	127.65
790	51.91	65.68	2.81	18.07	53.05	128.25
791	51.97	61.18	3.18	17.73	54.16	129.04
792	52.05	63.16	3.78	17.13	57.35	129.94
793	52.12	62.44	4.15	16.87	58.69	130.64
794	52.17	63.34	4.24	16.79	60.14	130.80
795	52.26	59.56	4.14	16.61	56.56	131.06
796	52.31	79.17	4.24	15.67	53.72	131.43
797	52.40	80.07	4.54	15.24	50.60	131.86
798	52.43	80.70	4.52	15.07	50.54	131.96
799	52.50	80.88	4.40	14.64	49.33	131.54
800	52.61	81.06	3.77	14.39	48.94	130.92
801	52.65	74.76	3.58	14.30	49.55	130.16
802	52.70	68.29	3.43	14.56	52.79	129.61
803	52.76	59.56	3.33	14.73	56.76	128.90
804	52.85	51.73	3.01	14.73	60.89	128.10
805	52.90	47.41	2.80	14.90	64.70	126.89
806	52.99	39.50	2.29	15.24	67.36	125.80
807	53.04	38.06	2.13	15.50	68.97	124.76
808	53.09	37.70	2.01	15.67	69.19	124.00
809	53.18	34.82	1.74	16.02	69.12	123.20
810	53.22	34.01	1.59	16.27	69.35	122.34
811	53.29	32.93	1.49	16.61	68.91	121.67
812	53.36	32.39	1.35	17.21	68.29	121.10
813	53.42	32.48	1.28	17.47	67.17	120.62
814	53.49	32.66	1.22	17.73	65.42	120.30
815	53.56	34.10	1.17	17.98	62.92	119.72
816	53.63	34.46	0.98	18.07	59.44	118.69

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
817	53.69	34.73	0.76	18.16	57.80	117.95
818	53.77	34.10	0.89	18.16	57.82	117.73
819	53.82	33.47	0.91	18.24	59.79	118.05
820	53.89	32.21	0.89	18.24	60.17	118.00
821	53.97	33.20	0.88	18.24	60.37	117.96
822	54.03	32.93	0.90	18.75	59.72	118.09
823	54.07	34.10	0.93	19.01	59.37	118.39
824	54.14	35.27	0.97	19.27	58.03	118.84
825	54.23	37.88	1.03	19.61	56.51	119.27
826	54.27	39.68	1.05	19.61	54.50	119.66
827	54.36	42.20	1.08	19.78	52.91	119.98
828	54.42	43.91	1.12	19.87	51.91	120.32
829	54.46	44.53	1.17	20.04	51.36	120.67
830	54.55	45.97	1.21	20.04	51.18	120.95
831	54.61	46.33	1.23	20.38	51.00	121.20
832	54.66	46.69	1.27	20.47	51.09	121.48
833	54.74	47.59	1.34	20.64	50.62	121.88
834	54.81	50.56	1.41	20.73	49.96	122.33
835	54.86	52.09	1.47	20.98	48.71	122.86
836	54.94	55.96	1.58	21.07	47.70	123.41
837	55.01	58.75	1.67	20.98	46.88	123.93
838	55.06	59.74	1.75	20.98	46.65	124.50
839	55.15	61.99	1.92	21.24	46.79	125.03
840	55.20	63.07	2.03	21.24	47.03	125.50
841	55.26	63.16	2.09	21.41	47.31	125.76
842	55.34	63.25	2.13	21.58	47.53	125.97
843	55.40	64.15	2.20	21.58	47.74	126.15
844	55.45	64.06	2.24	21.58	48.26	126.33
845	55.53	62.80	2.30	21.75	48.84	126.43
846	55.60	62.71	2.31	21.75	49.17	126.47
847	55.69	62.98	2.28	21.58	49.20	126.44
848	55.71	62.53	2.28	21.58	49.43	126.37
849	55.79	61.09	2.26	21.67	50.16	126.23
850	55.84	58.75	2.21	21.67	50.91	125.95
851	55.94	57.04	2.09	21.92	51.33	125.68
852	56.00	57.13	2.07	22.18	51.04	125.47
853	56.04	58.03	2.04	22.27	49.79	125.20
854	56.13	59.56	1.84	22.61	48.81	124.96
855	56.19	59.02	1.86	22.87	48.22	124.83
856	56.27	59.29	1.92	22.78	48.69	124.95
857	56.30	58.84	1.95	22.70	49.50	125.18
858	56.38	57.85	2.05	22.61	50.42	125.36
859	56.44	57.31	2.09	24.15	51.26	125.49
860	56.50	56.77	2.07	24.24	51.75	125.43
861	56.57	55.51	2.03	24.58	52.15	125.28
862	56.64	54.61	1.99	24.75	52.67	125.14
863	56.71	53.80	1.99	24.84	53.24	125.05
864	56.77	52.90	1.99	24.92	53.70	125.02

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
865	56.85	52.81	1.99	25.09	54.15	124.97
866	56.90	52.00	1.98	25.18	54.24	124.98
867	56.99	52.72	2.00	25.18	54.39	125.03
868	57.05	52.72	2.02	25.26	54.31	125.11
869	57.10	52.99	2.04	25.43	54.34	125.15
870	57.16	52.99	2.04	25.61	53.38	125.19
871	57.24	56.32	2.01	25.78	52.44	125.20
872	57.30	56.50	2.00	25.86	51.45	125.24
873	57.35	56.95	2.02	26.04	51.47	125.35
874	57.45	57.22	2.09	26.04	51.72	125.46
875	57.50	56.59	2.10	26.12	52.21	125.52
876	57.55	55.69	2.09	26.21	52.70	125.42
877	57.62	54.61	2.03	26.12	53.11	125.19
878	57.69	53.35	1.95	26.29	53.49	124.87
879	57.74	51.82	1.87	26.29	52.83	124.08
880	57.82	50.74	1.48	26.38	51.79	123.06
881	57.89	49.21	1.30	26.46	51.18	122.31
882	57.95	48.49	1.45	26.72	51.51	122.18
883	58.04	48.76	1.42	26.80	52.00	122.34
884	58.09	48.85	1.39	26.80	51.69	122.21
885	58.15	48.58	1.37	26.80	51.36	122.15
886	58.21	49.48	1.38	26.72	50.99	122.15
887	58.28	50.11	1.38	27.15	50.58	122.20
888	58.34	50.29	1.38	27.32	50.28	122.22
889	58.41	50.74	1.38	27.41	50.19	122.25
890	58.48	50.65	1.40	27.58	50.49	122.34
891	58.56	49.93	1.43	27.75	50.99	122.46
892	58.61	50.02	1.46	27.83	51.29	122.64
893	58.67	51.01	1.50	27.83	51.23	122.87
894	58.76	51.82	1.55	27.75	51.12	123.18
895	58.81	52.81	1.63	27.66	51.50	123.56
896	58.90	52.63	1.73	27.41	52.19	123.87
897	58.95	51.91	1.77	27.49	53.39	124.05
898	59.00	50.20	1.79	27.58	54.57	124.03
899	59.09	48.67	1.76	27.58	55.52	123.92
900	59.15	48.22	1.73	27.58	56.01	123.78
901	59.20	47.77	1.72	27.58	56.18	123.66
902	59.30	47.41	1.69	27.58	56.37	123.58
903	59.34	47.14	1.68	27.58	56.39	123.56
904	59.39	47.59	1.71	27.66	55.57	123.58
905	59.49	50.02	1.68	27.66	54.09	123.64
906	59.52	52.18	1.67	27.58	52.87	123.47
907	59.59	50.38	1.56	27.49	53.31	123.31
908	59.69	47.41	1.59	27.23	54.45	123.14
909	59.74	47.50	1.60	27.06	57.04	123.07
910	59.78	42.38	1.61	26.80	61.29	122.82
911	59.88	34.91	1.58	26.63	65.37	122.54
912	59.91	36.80	1.56	26.29	68.28	122.19

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
913	59.98	34.82	1.49	26.55	68.65	121.85
914	60.05	32.57	1.41	26.46	70.79	121.28
915	60.13	30.41	1.32	26.38	72.93	120.70
916	60.19	28.88	1.25	26.29	75.28	120.15
917	60.25	26.90	1.19	26.29	77.44	119.68
918	60.32	25.73	1.15	26.21	79.18	119.33
919	60.37	25.46	1.13	26.12	79.86	119.11
920	60.47	25.37	1.12	26.12	79.59	119.03
921	60.51	25.82	1.11	26.12	78.98	118.99
922	60.57	26.09	1.11	26.12	78.39	119.02
923	60.66	26.18	1.11	25.95	78.46	119.05
924	60.72	25.91	1.12	25.95	79.22	119.08
925	60.76	25.28	1.13	25.95	79.86	119.06
926	60.86	25.37	1.12	25.95	80.08	118.96
927	60.91	25.37	1.09	25.86	79.61	118.82
928	60.96	25.37	1.06	25.86	79.11	118.69
929	61.03	25.55	1.06	26.04	78.15	118.63
930	61.11	26.36	1.05	26.04	76.96	118.69
931	61.20	27.08	1.07	26.12	75.70	118.81
932	61.23	27.62	1.08	26.21	74.46	119.02
933	61.30	28.79	1.11	26.21	73.34	119.21
934	61.35	29.42	1.13	26.29	72.38	119.47
935	61.46	30.05	1.17	26.21	72.13	119.68
936	61.50	30.05	1.19	26.21	72.16	119.78
937	61.59	29.78	1.17	26.21	72.60	119.86
938	61.64	29.78	1.21	26.21	73.31	119.96
939	61.69	29.42	1.25	26.21	74.12	120.05
940	61.77	28.97	1.22	26.21	74.81	119.97
941	61.85	28.52	1.19	26.04	75.08	119.80
942	61.89	28.43	1.18	26.04	75.04	119.68
943	61.94	28.57	1.17	25.26	74.72	119.58
944	62.03	28.61	1.14	25.43	74.51	119.44
945	62.09	28.25	1.12	25.52	74.22	119.17
946	62.17	27.98	1.05	25.52	74.26	118.87
947	62.24	27.44	1.02	25.52	74.24	118.58
948	62.28	27.26	1.01	25.52	74.36	118.39
949	62.34	27.17	0.99	25.61	74.16	118.21
950	62.44	27.08	0.95	25.69	73.83	118.03
951	62.48	27.08	0.93	25.69	73.47	117.86
952	62.54	27.08	0.92	25.69	73.29	117.78
953	62.63	27.08	0.92	25.69	73.23	117.75
954	62.67	27.08	0.92	25.69	73.23	117.74
955	62.73	27.08	0.92	25.78	73.34	117.73
956	62.83	26.90	0.92	25.78	73.30	117.65
957	62.87	26.90	0.89	25.78	72.35	117.22
958	62.93	26.90	0.77	25.78	71.58	116.91
959	63.02	26.90	0.81	25.78	71.35	116.68
960	63.08	26.45	0.82	25.86	72.37	116.86

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
961	63.17	26.18	0.84	25.95	72.89	116.98
962	63.22	26.63	0.85	26.04	72.05	117.17
963	63.27	28.25	0.87	26.89	69.93	117.54
964	63.36	30.50	0.92	27.32	67.74	117.98
965	63.42	31.67	0.96	27.49	66.58	118.63
966	63.49	32.84	1.08	27.66	66.11	119.46
967	63.56	34.91	1.23	27.83	65.51	120.22
968	63.59	36.35	1.27	27.83	63.62	120.85
969	63.66	39.68	1.32	27.92	61.52	121.27
970	63.72	41.66	1.37	27.92	60.40	121.69
971	63.80	41.39	1.45	27.75	61.54	121.96
972	63.86	38.60	1.48	27.75	64.86	122.05
973	63.92	34.82	1.50	27.75	68.89	121.88
974	64.00	32.57	1.46	27.75	72.09	121.52
975	64.05	31.31	1.37	27.92	71.73	120.98
976	64.13	33.02	1.22	28.00	71.50	120.36
977	64.17	30.23	1.16	28.00	70.95	119.67
978	64.25	29.33	1.06	28.35	71.93	119.08
979	64.35	29.15	1.00	28.43	71.79	118.62
980	64.37	28.70	0.98	28.52	71.49	118.25
981	64.45	28.34	0.92	28.52	71.50	117.95
982	64.54	28.07	0.90	28.60	71.98	117.69
983	64.57	27.08	0.90	28.69	72.94	117.57
984	64.64	26.63	0.90	28.86	74.35	117.56
985	64.74	26.18	0.91	29.03	75.06	117.58
986	64.79	26.27	0.91	29.12	75.21	117.61
987	64.84	26.54	0.91	29.20	74.29	117.54
988	64.93	27.17	0.88	29.29	73.04	117.42
989	64.98	27.53	0.85	29.29	71.78	117.30
990	65.04	27.89	0.85	29.38	71.03	117.26
991	65.11	28.07	0.85	29.46	70.95	117.44
992	65.18	28.34	0.91	29.46	71.18	117.72
993	65.23	28.61	0.95	29.55	71.80	117.98
994	65.33	28.16	0.95	29.55	70.59	118.13
995	65.36	30.68	0.94	29.97	68.13	118.25
996	65.42	32.93	0.95	30.06	65.77	118.47
997	65.49	33.02	0.98	29.97	66.18	118.58
998	65.55	30.50	0.99	29.97	68.59	118.57
999	65.62	28.88	0.99	30.15	72.13	118.43
1000	65.71	27.08	0.99	30.40	74.37	118.32
1001	65.75	26.99	0.99	30.49	75.13	118.15
1002	65.83	27.26	0.94	30.75	74.53	117.94
1003	65.91	27.17	0.91	30.75	73.98	117.70
1004	65.95	26.90	0.89	30.75	73.93	117.57
1005	66.01	26.90	0.90	30.92	73.50	117.32
1006	66.10	26.90	0.82	31.00	72.90	117.15
1007	66.16	27.17	0.83	31.09	72.48	117.17
1008	66.21	27.53	0.89	31.17	72.33	117.36

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
1009	66.29	27.80	0.88	31.26	72.38	117.60
1010	66.34	27.98	0.91	31.34	72.24	117.76
1011	66.41	28.34	0.95	31.43	74.84	117.96
1012	66.48	25.01	0.98	31.60	73.17	118.36
1013	66.54	31.67	1.02	33.57	70.02	118.78
1014	66.63	34.64	1.05	33.91	65.77	119.25
1015	66.69	34.19	1.09	34.09	65.13	119.57
1016	66.73	34.37	1.14	34.09	66.88	119.90
1017	66.82	32.93	1.22	34.26	68.39	120.23
1018	66.86	33.02	1.26	34.60	69.55	120.51
1019	66.93	33.65	1.29	34.77	69.80	120.66
1020	67.03	33.20	1.29	34.94	69.67	120.72
1021	67.07	33.56	1.28	35.03	69.23	120.69
1022	67.13	34.28	1.27	35.11	68.54	120.69
1023	67.22	34.46	1.28	35.54	68.10	120.66
1024	67.28	34.28	1.26	35.71	67.98	120.58
1025	67.33	34.10	1.22	35.80	67.64	120.40
1026	67.40	34.28	1.19	35.80	67.48	120.21
1027	67.47	33.74	1.17	35.97	67.16	120.12
1028	67.53	34.28	1.17	35.97	66.94	120.10
1029	67.62	34.64	1.18	36.14	66.41	120.15
1030	67.65	35.00	1.18	36.23	65.70	120.28
1031	67.72	36.26	1.22	36.40	64.07	120.43
1032	67.81	38.60	1.20	36.74	62.35	120.59
1033	67.87	39.50	1.22	36.74	60.61	120.84
1034	67.92	41.48	1.28	36.74	63.02	121.84
1035	68.02	38.69	1.75	36.74	66.89	123.31
1036	68.07	39.32	2.16	36.74	69.88	124.81
1037	68.11	43.91	2.43	37.17	64.02	126.44
1038	68.21	63.61	2.86	37.85	55.65	127.80
1039	68.24	77.91	3.01	37.85	45.80	129.32
1040	68.31	108.05	3.40	36.48	38.93	130.77
1041	68.42	134.14	3.99	30.32	34.79	131.95
1042	68.45	140.17	4.13	28.77	33.50	132.80
1043	68.51	141.43	4.46	25.09	34.06	133.23
1044	68.58	137.56	4.73	22.78	35.56	133.65
1045	68.65	132.25	5.00	23.21	37.90	133.95
1046	68.71	122.63	5.29	23.21	40.98	134.13
1047	68.78	111.02	5.47	23.29	43.64	134.25
1048	68.86	111.02	5.57	23.38	45.37	134.37
1049	68.91	111.02	5.76	23.55	45.90	134.59
1050	68.97	111.02	5.98	23.64	44.90	134.76
1051	69.06	122.36	5.78	23.98	45.41	134.57
1052	69.10	103.37	5.44	23.98	46.28	133.64
1053	69.20	87.72	4.30	22.61	50.08	132.27
1054	69.24	75.66	3.83	22.61	54.76	130.62
1055	69.30	57.40	3.40	22.61	62.60	129.13
1056	69.37	41.75	2.94	23.81	72.20	127.67

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
1057	69.44	37.52	2.71	24.49	78.72	126.52
1058	69.50	36.71	2.51	24.92	79.94	125.86
1059	69.60	35.90	2.36	25.35	79.44	125.49
1060	69.64	36.44	2.36	25.61	77.69	125.37
1061	69.70	39.14	2.35	25.95	74.76	125.46
1062	69.75	41.84	2.32	26.46	66.99	125.76
1063	69.82	55.06	2.30	30.23	61.76	125.97
1064	69.89	54.52	2.30	30.15	58.85	126.05
1065	69.95	51.28	2.26	30.57	60.95	125.77
1066	70.03	46.51	2.16	31.00	63.48	125.28
1067	70.08	44.00	2.02	31.09	65.26	124.67
1068	70.17	42.65	1.86	31.26	66.55	124.08
1069	70.23	39.86	1.79	31.52	66.07	123.71
1070	70.29	42.87	1.76	31.94	66.35	123.49
1071	70.37	40.76	1.73	32.54	64.82	123.45
1072	70.42	43.10	1.71	33.06	63.27	123.47
1073	70.48	46.69	1.72	33.31	60.37	123.59
1074	70.57	49.03	1.72	33.66	58.70	123.72
1075	70.61	48.58	1.73	33.74	58.48	123.75
1076	70.67	47.59	1.73	34.09	59.47	123.79
1077	70.77	46.51	1.78	34.34	60.55	123.87
1078	70.82	46.24	1.82	34.51	60.51	123.89
1079	70.87	47.86	1.74	35.03	59.51	123.25
1080	70.97	44.98	1.35	35.03	59.58	122.47
1081	71.02	41.12	1.38	34.77	61.55	121.56
1082	71.09	37.52	1.32	35.03	65.35	121.21
1083	71.17	34.73	1.27	34.86	67.45	120.76
1084	71.21	34.77	1.21	35.03	67.62	120.24
1085	71.26	34.77	1.09	35.03	66.13	119.66
1086	71.34	34.82	1.00	35.71	64.80	119.14
1087	71.40	34.91	0.98	36.05	64.03	118.95
1088	71.46	35.36	1.01	36.40	63.89	119.17
1089	71.55	36.17	1.08	36.57	63.72	119.61
1090	71.60	37.34	1.15	36.74	63.91	120.23
1091	71.69	38.06	1.27	37.17	63.60	120.76
1092	71.74	39.59	1.30	37.51	63.21	121.20
1093	71.79	40.49	1.34	37.60	62.46	121.56
1094	71.89	41.75	1.42	37.77	62.23	121.88
1095	71.94	42.02	1.46	38.11	62.45	122.23
1096	72.00	42.02	1.53	38.45	62.90	122.49
1097	72.06	42.20	1.57	38.80	63.15	122.73
1098	72.13	42.92	1.61	38.80	62.85	123.01
1099	72.19	44.44	1.68	39.14	62.53	123.40
1100	72.27	45.43	1.80	39.14	62.89	123.74
1101	72.34	44.27	1.83	39.14	63.84	123.92
1102	72.39	43.28	1.82	39.14	65.19	123.83
1103	72.48	41.57	1.77	39.14	66.05	123.63
1104	72.54	41.12	1.73	39.14	66.94	123.38

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
1105	72.58	39.86	1.69	39.14	67.60	123.07
1106	72.64	38.42	1.60	39.74	68.08	122.72
1107	72.72	38.24	1.54	39.91	67.18	122.11
1108	72.78	38.42	1.32	39.99	65.36	121.33
1109	72.87	38.06	1.15	40.42	63.63	120.65
1110	72.92	38.42	1.18	40.59	62.99	120.38
1111	72.97	38.42	1.19	40.51	63.99	120.46
1112	73.07	36.35	1.21	40.77	66.60	120.42
1113	73.12	33.02	1.22	40.77	68.25	120.35
1114	73.17	35.00	1.20	42.65	69.24	120.17
1115	73.25	33.74	1.15	43.08	68.73	119.94
1116	73.31	32.84	1.11	43.68	69.14	119.61
1117	73.37	32.84	1.07	43.85	69.23	119.29
1118	73.46	32.21	1.02	44.28	69.07	119.03
1119	73.50	32.03	1.00	44.53	68.92	118.79
1120	73.56	32.12	0.98	44.62	68.75	118.66
1121	73.65	31.94	0.97	44.96	68.68	118.56
1122	73.69	31.76	0.97	45.13	69.00	118.53
1123	73.76	31.49	0.97	45.30	69.18	118.51
1124	73.85	31.58	0.96	45.73	69.19	118.46
1125	73.91	31.58	0.95	45.90	68.92	118.37
1126	73.96	31.58	0.94	46.08	68.75	118.25
1127	74.05	31.40	0.92	46.33	68.79	118.15
1128	74.09	31.13	0.92	46.42	68.80	118.00
1129	74.16	30.95	0.88	46.59	68.78	117.82
1130	74.22	30.77	0.86	46.93	68.42	117.61
1131	74.30	30.90	0.84	47.19	68.12	117.46
1132	74.35	30.86	0.83	47.36	66.67	116.92
1133	74.45	31.04	0.68	47.70	64.61	116.24
1134	74.49	31.76	0.63	47.96	62.54	115.69
1135	74.55	32.39	0.67	48.22	61.61	115.83
1136	74.63	33.29	0.70	48.56	61.48	116.19
1137	74.67	33.47	0.71	48.73	61.64	116.58
1138	74.74	33.74	0.77	49.07	61.66	117.20
1139	74.83	35.90	0.88	51.64	61.60	117.88
1140	74.88	36.62	0.92	51.98	54.52	115.35
1141	74.95	37.61	0.00	52.33	45.43	110.50
1142	75.03	38.42	0.00	52.50	N/A	87.36
1143	75.07	38.24	0.00	52.58	N/A	87.36
1144	75.14	37.61	0.00	52.67	N/A	87.36
1145	75.23	35.72	0.00	52.76	N/A	87.36
1146	75.27	32.48	0.00	52.84	N/A	87.36

Abbreviations

Depth:	Depth from free surface, at which CPT was performed (ft)
q_c:	Measured cone resistance (tsf)
f_s:	Sleeve friction resistance (tsf)
u:	Pore pressure (tsf)
Fines content:	Percentage of fines in soil (%)
Unit weight:	Bulk soil unit weight (pcf)

Fenagh Engineering and Testing
9070 Center Avenue
Rancho Cucamonga, CA 91730
www.fenaghengineering.com

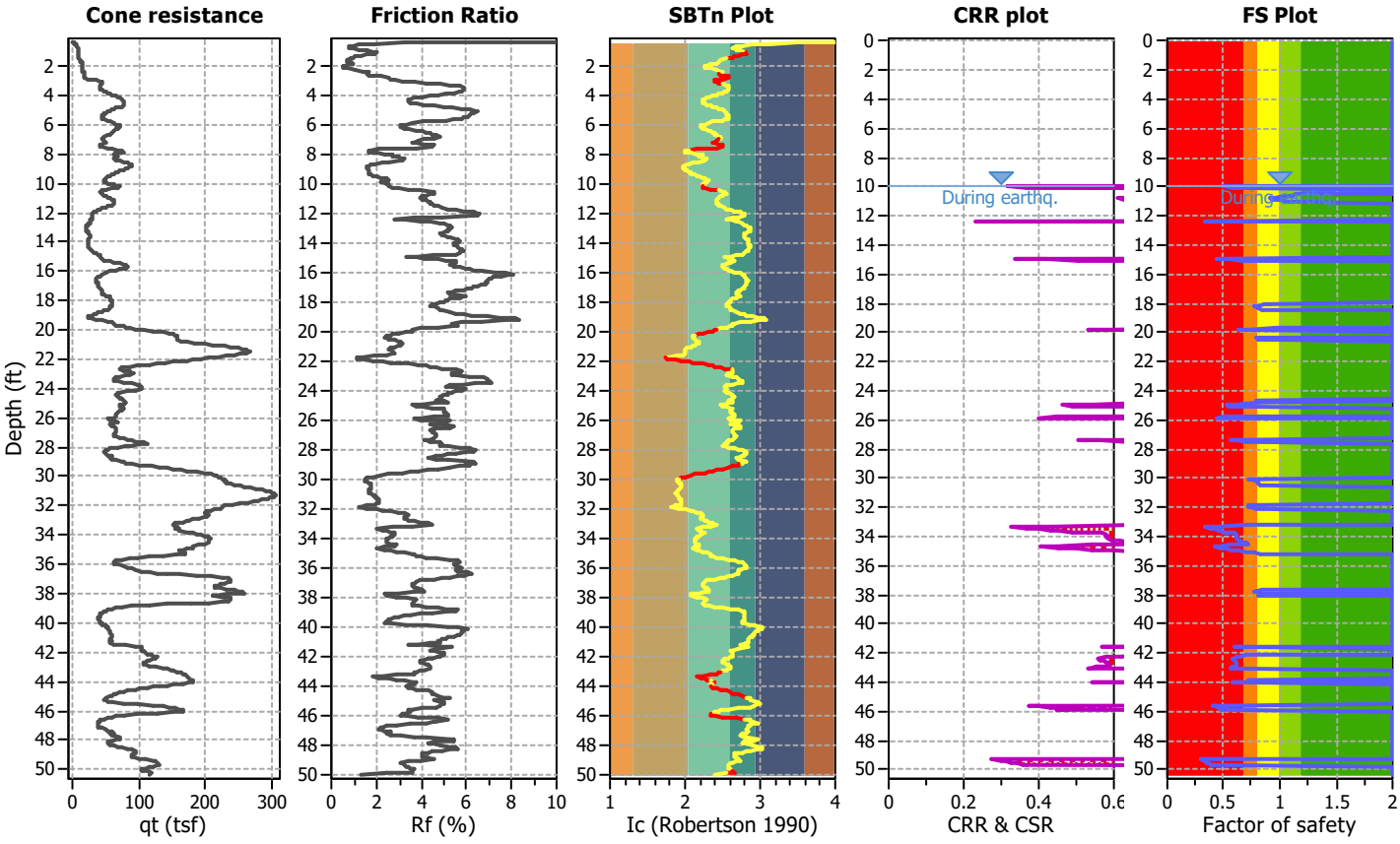
LIQUEFACTION ANALYSIS REPORT

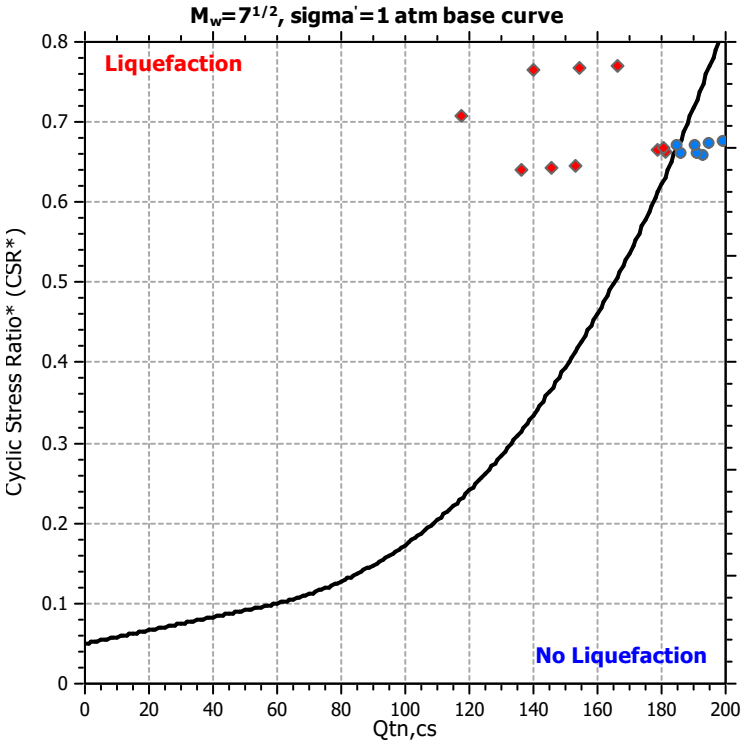
Project title : Centennial High School **Location : 2606 N. Central Ave, Compton, CA 90222**

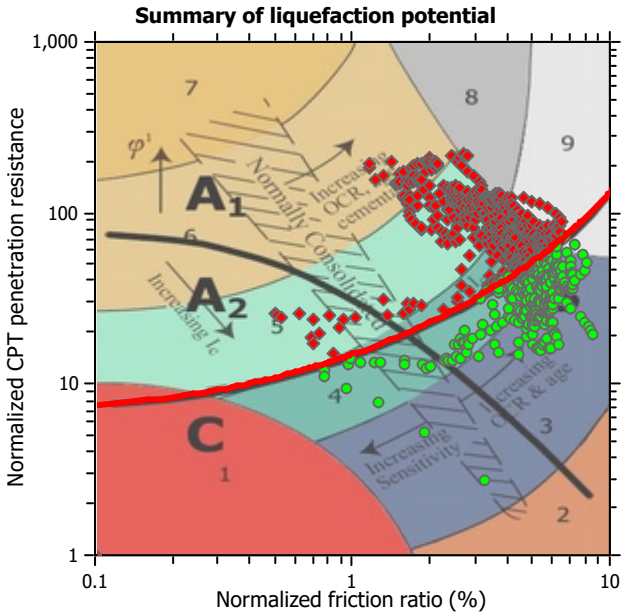
CPT file : CPT-17

Input parameters and analysis data

Analysis method:	NCEER (1998)	G.W.T. (in-situ):	50.00 ft	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	NCEER (1998)	G.W.T. (earthq.):	10.00 ft	Fill height:	N/A	Limit depth applied:	No
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	N/A
Earthquake magnitude M_w:	7.30	Ic cut-off value:	2.60	Trans. detect. applied:	Yes	MSF method:	Method based
Peak ground acceleration:	0.83	Unit weight calculation:	Based on SBT	K_σ applied:	Yes		

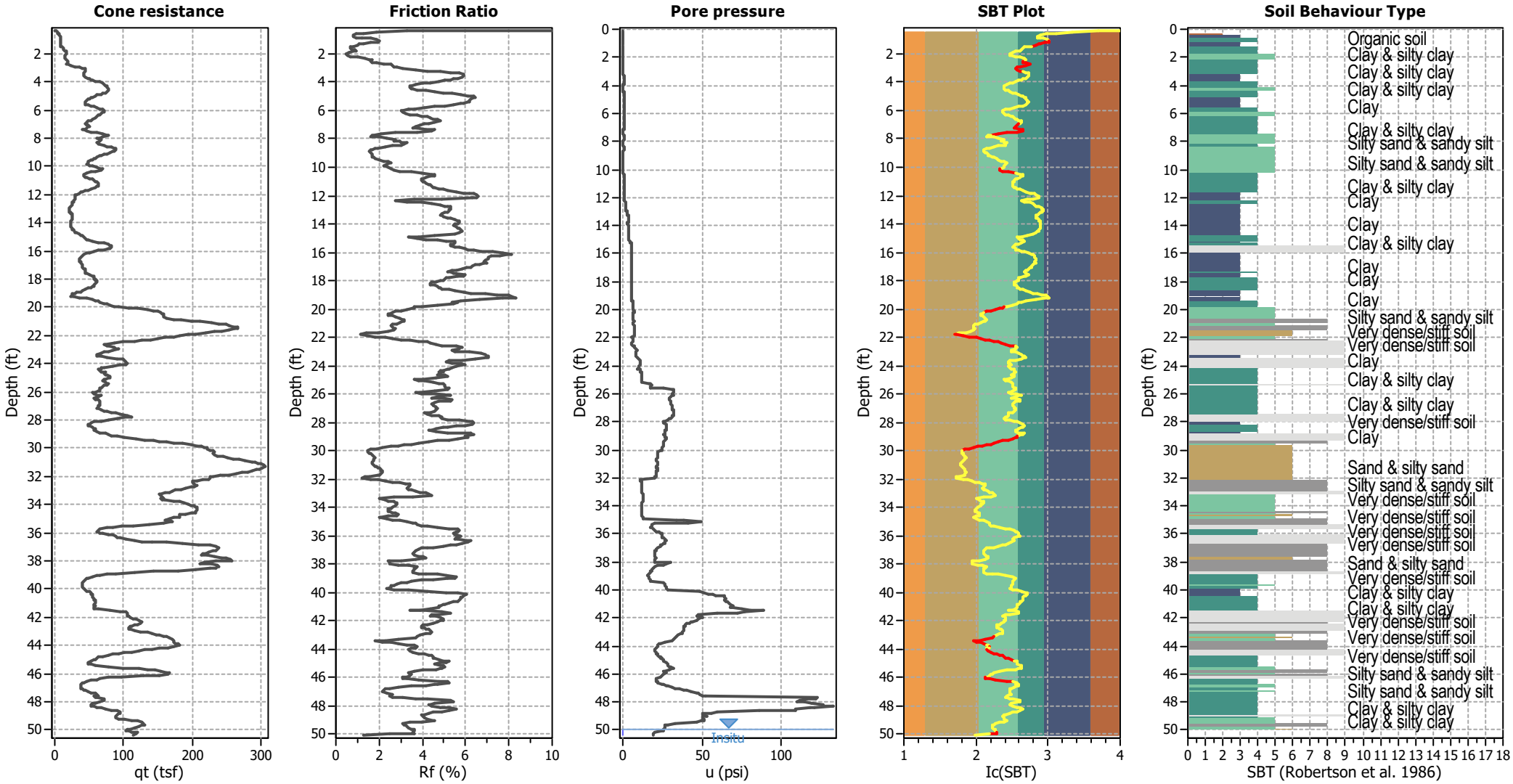






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and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

CPT basic interpretation plots



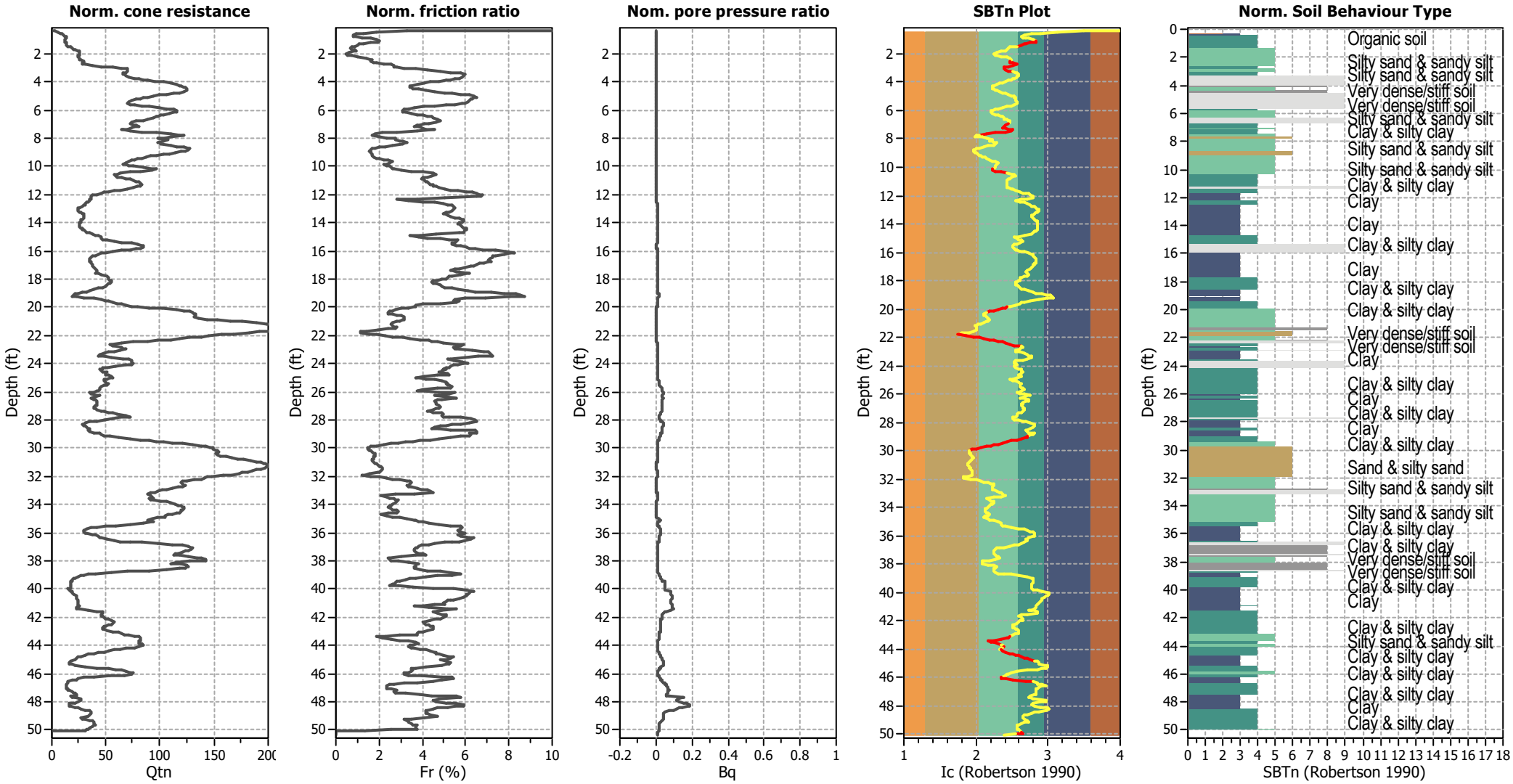
Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	7.30	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.83	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	50.00 ft	Fill height:	N/A	Limit depth:	N/A

SBT legend

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

CPT basic interpretation plots (normalized)



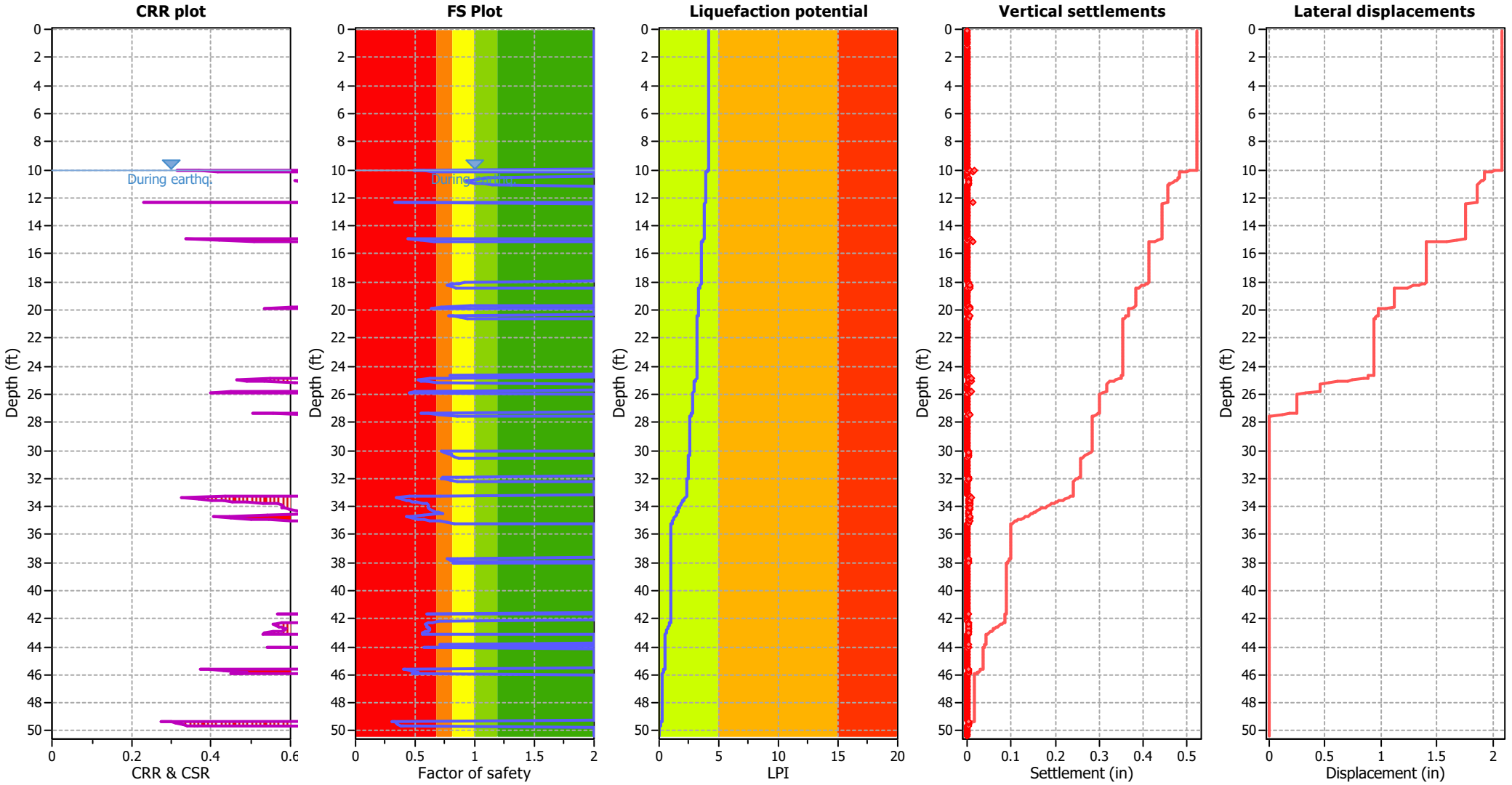
Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	7.30	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.83	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	50.00 ft	Fill height:	N/A	Limit depth:	N/A

SBTn legend

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

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	7.30	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.83	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	50.00 ft	Fill height:	N/A	Limit depth:	N/A

F.S. color scheme

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

LPI color scheme

- Very high risk
- High risk
- Low risk

:: Field input data ::

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
1	0.09	-0.09	0.00	0.00	N/A	120.90
2	0.14	0.00	0.00	0.00	N/A	120.90
3	0.23	0.00	0.01	0.00	N/A	120.90
4	0.27	0.00	0.02	0.00	N/A	120.90
5	0.37	0.00	0.05	0.00	100.00	87.36
6	0.42	1.03	0.05	0.00	100.00	90.33
7	0.51	4.04	0.07	0.00	68.15	92.78
8	0.53	4.72	0.07	0.00	52.05	93.63
9	0.60	5.75	0.05	0.00	44.46	93.40
10	0.69	7.04	0.05	0.00	39.29	93.44
11	0.74	7.56	0.06	0.00	37.21	94.39
12	0.83	7.90	0.06	0.00	37.69	96.74
13	0.88	8.93	0.11	0.00	39.70	98.78
14	0.92	8.25	0.13	0.00	42.66	100.70
15	1.02	7.99	0.16	0.00	45.93	101.41
16	1.06	7.64	0.16	0.00	47.41	101.64
17	1.19	7.64	0.15	0.00	47.37	101.37
18	1.20	7.73	0.14	0.00	43.64	100.24
19	1.29	8.68	0.09	0.00	40.44	99.05
20	1.34	8.50	0.09	0.00	38.54	97.78
21	1.38	7.73	0.09	0.00	36.75	97.47
22	1.47	9.71	0.08	0.00	33.65	97.11
23	1.52	10.74	0.07	0.00	29.58	97.20
24	1.64	12.03	0.08	0.00	28.10	97.83
25	1.66	12.37	0.09	0.00	27.86	98.96
26	1.71	12.71	0.11	0.00	27.97	101.06
27	1.79	15.29	0.16	0.09	26.88	102.25
28	1.84	16.23	0.14	0.09	24.58	101.97
29	1.93	16.11	0.08	0.09	22.37	100.25
30	1.98	16.11	0.08	0.09	20.96	98.57
31	2.07	15.98	0.08	0.09	21.38	98.41
32	2.11	14.95	0.08	0.09	22.08	98.54
33	2.17	14.95	0.09	0.09	24.31	100.43
34	2.25	15.25	0.15	0.17	27.30	103.32
35	2.32	15.55	0.23	0.17	29.79	105.66
36	2.39	15.98	0.26	0.17	30.57	107.10
37	2.44	17.35	0.28	0.17	30.41	108.00
38	2.50	18.04	0.32	0.17	28.92	108.53
39	2.58	20.01	0.30	0.17	29.59	108.88
40	2.63	17.09	0.32	0.26	30.82	109.29
41	2.69	17.01	0.38	0.26	33.77	110.22
42	2.77	17.69	0.45	0.26	33.72	112.25
43	2.87	23.02	0.64	0.26	31.17	114.45
44	2.91	29.55	0.77	0.26	28.25	116.55
45	2.96	34.10	0.90	0.26	26.21	118.99
46	3.05	42.95	1.34	0.35	25.89	120.95
47	3.09	43.89	1.53	0.35	27.07	122.89
48	3.19	43.63	1.92	0.44	28.86	123.91

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
49	3.23	43.46	2.05	0.44	30.92	124.84
50	3.32	42.95	2.29	0.53	32.66	125.32
51	3.37	40.80	2.40	0.53	34.21	125.70
52	3.41	40.71	2.45	0.53	34.79	125.87
53	3.51	42.26	2.47	0.61	34.61	126.00
54	3.55	42.43	2.49	0.70	34.19	126.20
55	3.65	43.89	2.60	0.61	33.52	126.54
56	3.74	47.59	2.72	0.61	32.23	126.94
57	3.78	51.28	2.76	0.61	30.90	127.27
58	3.83	52.91	2.80	0.53	29.90	127.46
59	3.88	54.37	2.82	0.53	28.65	127.68
60	3.97	59.95	2.85	0.44	26.92	127.90
61	4.02	65.19	2.85	0.44	24.91	128.10
62	4.08	69.66	2.83	0.44	23.26	128.13
63	4.16	72.24	2.72	0.44	21.75	127.91
64	4.25	74.04	2.48	0.44	20.74	127.68
65	4.29	75.07	2.52	0.44	20.25	127.62
66	4.34	75.67	2.62	0.44	20.14	127.78
67	4.42	77.22	2.61	0.44	20.24	128.02
68	4.48	77.82	2.75	0.53	20.44	128.32
69	4.54	78.29	2.92	0.53	21.17	128.86
70	4.61	78.76	3.23	0.70	22.42	129.47
71	4.71	76.10	3.55	0.70	23.85	129.99
72	4.75	74.13	3.70	0.70	25.40	130.29
73	4.80	70.86	3.79	0.70	26.88	130.39
74	4.86	66.65	3.86	0.70	28.54	130.32
75	4.94	62.02	3.82	0.70	30.31	130.14
76	4.99	57.81	3.76	0.79	31.59	129.81
77	5.07	55.57	3.58	0.70	32.45	129.42
78	5.12	53.25	3.43	0.61	32.70	128.89
79	5.21	51.02	3.15	0.61	32.89	128.40
80	5.26	49.73	3.04	0.61	33.44	127.79
81	5.35	44.92	2.82	0.61	33.92	127.30
82	5.40	44.58	2.70	0.61	34.36	126.75
83	5.48	43.29	2.55	0.61	34.12	126.43
84	5.54	43.12	2.50	0.61	33.78	126.20
85	5.58	43.98	2.47	0.61	32.42	126.15
86	5.67	48.19	2.41	0.61	30.49	126.16
87	5.72	51.36	2.36	0.61	27.93	126.19
88	5.77	56.43	2.30	0.61	25.56	126.20
89	5.86	61.24	2.24	0.61	23.00	126.26
90	5.95	68.11	2.20	0.61	21.22	126.30
91	5.98	69.92	2.19	0.61	19.91	126.37
92	6.04	72.58	2.18	0.61	19.46	126.44
93	6.13	72.92	2.22	0.61	19.42	126.54
94	6.18	71.72	2.26	0.61	20.28	126.66
95	6.28	66.83	2.34	0.61	21.42	126.77
96	6.31	65.11	2.41	0.61	22.94	126.92

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
97	6.37	62.27	2.52	0.61	24.08	127.11
98	6.46	61.33	2.61	0.61	24.96	127.27
99	6.50	61.24	2.63	0.61	25.73	127.38
100	6.59	58.58	2.68	0.61	26.33	127.37
101	6.64	57.63	2.66	0.70	27.57	127.14
102	6.73	51.54	2.53	0.61	28.57	126.77
103	6.76	49.47	2.43	0.61	29.54	125.99
104	6.86	45.44	2.07	0.61	29.41	125.23
105	6.92	45.35	1.93	0.53	28.77	124.42
106	6.96	45.35	1.82	0.53	28.18	124.09
107	7.05	45.27	1.82	0.53	27.09	124.02
108	7.11	49.73	1.82	0.53	26.02	124.11
109	7.19	51.36	1.81	0.44	25.12	124.19
110	7.22	50.59	1.81	0.44	26.43	124.05
111	7.33	41.83	1.81	0.44	28.67	123.90
112	7.38	39.94	1.85	0.44	31.07	123.79
113	7.43	40.20	1.87	0.44	30.45	123.82
114	7.51	44.41	1.80	0.61	26.90	123.46
115	7.56	51.97	1.43	0.61	21.65	122.69
116	7.63	60.73	1.15	0.61	17.21	122.07
117	7.70	68.80	1.25	0.61	14.38	122.00
118	7.76	76.36	1.23	0.61	13.19	122.46
119	7.83	80.65	1.27	0.61	12.79	122.78
120	7.89	78.94	1.37	0.53	15.46	123.00
121	7.95	48.53	1.52	0.35	17.47	123.54
122	8.02	68.63	1.68	0.35	19.85	124.12
123	8.12	66.74	1.85	0.35	18.81	124.90
124	8.17	66.05	1.92	0.35	20.06	125.21
125	8.21	62.27	1.98	0.35	20.48	125.42
126	8.27	66.05	2.02	0.44	21.84	125.44
127	8.35	56.35	2.04	0.53	21.37	125.45
128	8.44	66.05	1.95	0.61	20.80	125.31
129	8.48	69.49	1.88	0.53	18.06	125.17
130	8.58	78.85	1.72	0.53	16.21	124.89
131	8.62	82.03	1.61	0.53	14.41	124.59
132	8.67	86.75	1.55	0.44	13.31	124.27
133	8.75	88.81	1.45	0.35	12.54	123.95
134	8.80	88.81	1.38	0.35	12.19	123.62
135	8.88	87.10	1.35	0.35	12.31	123.39
136	8.95	84.00	1.34	0.35	12.76	123.22
137	8.99	80.48	1.33	0.35	13.27	122.93
138	9.09	76.45	1.25	0.35	13.84	122.56
139	9.13	72.41	1.21	0.35	14.31	122.03
140	9.21	68.37	1.13	0.26	14.91	121.53
141	9.27	64.51	1.08	0.26	15.54	121.04
142	9.33	60.90	1.05	0.26	16.37	120.74
143	9.40	57.89	1.06	0.26	17.38	120.68
144	9.45	55.83	1.10	0.26	18.59	120.92

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
145	9.54	54.11	1.20	0.26	19.88	121.24
146	9.59	52.14	1.25	0.26	21.34	121.57
147	9.67	49.47	1.32	0.26	22.55	121.46
148	9.73	46.13	1.21	0.26	22.66	120.89
149	9.82	47.07	1.01	0.26	22.23	120.31
150	9.87	47.59	1.06	0.26	21.35	120.19
151	9.91	50.42	1.12	0.26	21.25	121.10
152	10.01	55.66	1.37	0.26	21.27	122.09
153	10.05	57.03	1.50	0.26	20.44	123.44
154	10.14	70.23	1.75	0.39	19.90	124.45
155	10.19	71.95	1.90	0.39	19.80	125.34
156	10.27	69.20	2.05	0.39	21.39	125.65
157	10.32	61.21	2.09	0.48	24.44	125.58
158	10.42	49.01	2.08	0.48	27.85	125.22
159	10.46	45.74	2.03	0.48	31.08	124.73
160	10.56	41.53	1.95	0.48	32.21	124.40
161	10.60	42.05	1.92	0.48	32.58	124.15
162	10.64	42.56	1.89	0.56	31.78	124.06
163	10.73	44.19	1.84	0.56	30.68	124.09
164	10.78	47.20	1.87	0.56	29.40	124.37
165	10.86	50.81	1.99	0.56	28.42	124.92
166	10.93	54.25	2.15	0.56	27.87	125.60
167	10.99	56.91	2.32	0.56	27.55	126.23
168	11.06	59.32	2.44	0.65	27.44	126.70
169	11.10	60.26	2.52	0.74	27.25	127.13
170	11.18	63.10	2.67	1.00	27.31	127.50
171	11.25	63.53	2.77	1.00	27.43	127.81
172	11.34	63.53	2.82	1.18	27.70	127.94
173	11.38	63.35	2.82	1.35	28.00	127.94
174	11.43	61.89	2.80	1.35	28.71	127.83
175	11.51	57.94	2.77	1.27	29.86	127.59
176	11.57	54.42	2.69	1.27	31.50	127.17
177	11.66	49.01	2.54	1.18	33.39	126.69
178	11.71	44.80	2.48	1.18	35.89	126.13
179	11.80	39.47	2.38	1.18	38.27	125.72
180	11.84	37.66	2.35	1.18	40.19	125.33
181	11.89	36.03	2.27	1.09	41.78	124.84
182	11.97	31.82	2.09	1.09	43.54	124.24
183	12.03	29.67	1.99	1.09	45.21	123.56
184	12.12	28.47	1.86	1.09	45.81	123.12
185	12.17	28.47	1.81	1.18	45.55	122.79
186	12.22	28.64	1.75	1.18	41.13	120.95
187	12.28	29.07	0.65	1.44	36.57	118.92
188	12.35	29.50	0.78	1.44	32.97	116.87
189	12.44	28.30	0.98	1.44	35.61	117.94
190	12.49	27.53	1.05	1.44	39.03	118.82
191	12.58	25.64	1.19	1.44	41.41	119.35
192	12.62	25.81	1.26	2.06	43.26	119.83

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
193	12.71	25.98	1.30	2.06	44.18	120.00
194	12.76	24.78	1.29	2.06	45.42	119.89
195	12.81	23.15	1.25	2.06	46.94	119.43
196	12.90	21.60	1.14	2.06	48.39	118.84
197	12.98	20.40	1.07	2.32	49.33	118.31
198	13.01	20.05	1.06	2.41	49.81	118.04
199	13.09	20.05	1.05	2.49	49.76	118.00
200	13.13	20.48	1.06	2.67	49.27	118.11
201	13.22	21.17	1.08	3.20	48.32	118.30
202	13.27	22.29	1.10	3.37	46.76	118.72
203	13.38	24.52	1.18	3.37	45.50	119.08
204	13.41	24.95	1.19	3.37	44.78	119.63
205	13.50	25.89	1.31	3.37	44.80	120.01
206	13.55	26.32	1.34	3.37	45.15	120.42
207	13.63	26.15	1.39	3.28	45.87	120.57
208	13.68	25.38	1.40	3.28	46.96	120.63
209	13.78	24.69	1.41	3.28	47.98	120.56
210	13.82	24.26	1.39	3.20	48.62	120.46
211	13.86	23.92	1.37	3.20	48.95	120.26
212	13.96	23.40	1.32	3.46	49.07	120.04
213	14.00	23.40	1.29	3.55	49.00	119.82
214	14.05	23.23	1.26	3.55	48.92	119.71
215	14.13	23.23	1.27	3.55	49.12	119.72
216	14.19	23.23	1.29	3.63	49.29	119.89
217	14.28	23.75	1.35	3.72	49.35	120.19
218	14.35	24.52	1.41	3.72	49.11	120.61
219	14.42	25.46	1.48	3.72	48.80	121.01
220	14.47	26.15	1.54	3.81	48.26	121.42
221	14.52	27.36	1.60	3.81	47.25	121.89
222	14.65	29.67	1.71	3.81	45.70	122.53
223	14.75	32.85	1.85	3.81	43.88	123.00
224	14.79	34.23	1.80	3.90	39.18	122.43
225	14.88	38.70	1.16	3.98	35.37	121.81
226	14.93	40.76	1.36	3.98	32.36	121.62
227	14.99	43.59	1.58	3.98	33.47	122.95
228	15.10	44.19	1.90	4.34	34.63	123.88
229	15.12	43.72	1.97	4.42	36.53	124.83
230	15.18	43.85	2.34	4.95	37.37	125.73
231	15.24	48.40	2.64	5.13	37.59	126.97
232	15.30	53.47	3.07	5.30	35.71	128.16
233	15.38	63.44	3.37	5.56	33.81	129.36
234	15.47	71.26	3.81	5.65	31.84	130.36
235	15.52	78.13	4.10	5.65	30.93	131.22
236	15.58	81.91	4.44	5.83	30.76	131.91
237	15.65	83.11	4.79	5.92	31.19	132.42
238	15.70	83.20	4.96	5.92	31.90	132.69
239	15.79	81.22	4.99	5.92	32.56	132.71
240	15.84	79.08	4.92	5.83	33.86	132.53

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
241	15.89	71.60	4.84	5.74	35.77	132.15
242	15.97	63.78	4.60	5.56	38.75	131.65
243	16.02	56.48	4.48	5.48	41.80	130.93
244	16.11	49.35	4.07	5.39	44.48	130.14
245	16.16	45.48	3.71	5.30	45.66	129.07
246	16.25	42.99	3.15	5.21	46.00	128.13
247	16.30	40.84	2.96	5.30	45.97	127.21
248	16.39	38.70	2.70	5.21	46.61	126.65
249	16.43	37.41	2.63	5.30	47.53	126.10
250	16.52	34.74	2.50	5.21	47.56	125.85
251	16.55	37.24	2.47	5.21	47.86	125.70
252	16.62	35.77	2.51	5.13	47.40	125.85
253	16.71	37.06	2.60	5.13	47.63	125.97
254	16.76	37.66	2.59	5.13	46.94	126.06
255	16.83	38.27	2.54	5.13	46.21	126.00
256	16.90	38.78	2.50	5.13	45.55	125.94
257	16.94	39.21	2.49	5.21	45.00	125.87
258	17.04	39.47	2.45	5.30	44.67	125.81
259	17.08	39.56	2.42	5.39	44.06	125.73
260	17.17	40.50	2.38	5.48	43.05	125.69
261	17.22	42.39	2.35	5.56	41.48	125.72
262	17.31	44.88	2.36	5.56	40.55	125.73
263	17.36	43.85	2.33	5.56	39.67	125.66
264	17.41	44.97	2.24	5.48	40.11	125.77
265	17.49	44.37	2.47	5.48	40.58	126.09
266	17.54	45.05	2.63	5.48	42.63	126.59
267	17.63	42.13	2.81	5.92	41.38	127.10
268	17.68	52.96	2.86	5.92	39.46	127.54
269	17.77	56.22	2.92	5.74	36.81	127.85
270	17.82	56.57	2.92	5.74	36.16	127.92
271	17.89	56.82	2.88	5.65	35.93	127.86
272	17.95	56.91	2.84	5.65	35.60	127.78
273	18.00	57.51	2.81	5.65	34.85	127.71
274	18.09	59.92	2.75	5.56	34.01	127.64
275	18.14	60.69	2.70	5.48	33.12	127.52
276	18.23	61.03	2.62	5.39	32.86	127.39
277	18.25	60.17	2.60	5.39	33.24	127.29
278	18.33	57.68	2.63	5.39	34.31	127.31
279	18.41	56.05	2.71	5.39	35.15	127.35
280	18.46	56.82	2.71	5.39	35.45	127.38
281	18.53	56.74	2.68	5.39	35.90	127.29
282	18.60	53.30	2.65	5.30	36.90	127.11
283	18.65	50.72	2.60	5.30	39.39	126.62
284	18.74	42.30	2.40	5.30	41.82	126.09
285	18.78	40.59	2.34	5.30	45.19	125.50
286	18.88	36.12	2.30	5.30	47.66	125.19
287	18.92	33.88	2.28	5.21	52.21	124.69
288	19.02	27.27	2.17	5.13	56.30	124.18

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
289	19.06	26.07	2.07	5.04	60.35	123.53
290	19.11	24.26	1.97	5.13	62.13	123.11
291	19.20	22.97	1.93	5.04	63.40	122.99
292	19.24	24.00	2.03	5.13	58.56	123.84
293	19.33	35.17	2.38	5.83	50.22	125.19
294	19.38	46.26	2.62	6.35	42.78	126.78
295	19.48	56.05	2.99	6.53	38.89	127.80
296	19.50	59.14	3.11	6.53	37.30	128.70
297	19.57	62.58	3.44	6.44	37.27	129.56
298	19.66	65.93	4.00	6.53	35.98	129.90
299	19.71	70.14	3.39	6.44	32.80	129.52
300	19.78	76.50	2.68	6.53	29.29	128.89
301	19.85	81.14	2.96	6.27	27.21	128.84
302	19.91	85.18	3.14	6.53	26.43	129.57
303	19.98	94.28	3.37	6.35	25.36	130.17
304	20.03	101.07	3.52	6.53	22.85	130.86
305	20.10	124.52	3.66	7.05	20.48	131.44
306	20.16	137.15	3.77	6.88	18.36	131.90
307	20.25	145.06	3.80	6.62	17.17	132.07
308	20.30	150.39	3.68	6.62	16.26	132.07
309	20.39	155.02	3.63	6.62	15.80	132.12
310	20.44	156.40	3.78	6.62	15.76	132.35
311	20.49	158.03	3.96	6.44	16.40	132.90
312	20.57	158.29	4.49	6.44	17.13	133.46
313	20.61	158.63	4.73	6.44	17.94	133.97
314	20.71	157.52	4.92	6.53	18.38	134.28
315	20.77	159.75	5.10	6.70	18.37	134.72
316	20.86	172.55	5.48	6.88	17.85	135.21
317	20.90	184.92	5.70	6.70	17.04	135.69
318	20.95	195.23	5.83	6.70	15.97	136.07
319	21.04	213.88	5.95	6.79	14.97	136.33
320	21.08	223.93	5.95	6.79	13.80	136.60
321	21.18	243.95	6.06	6.88	13.13	136.82
322	21.21	247.47	6.19	6.97	12.78	137.16
323	21.27	253.74	6.58	6.97	12.94	137.28
324	21.36	261.04	7.09	7.14	13.11	137.28
325	21.41	265.34	7.32	7.14	13.30	137.28
326	21.49	268.09	7.63	7.14	13.03	137.28
327	21.55	266.46	6.71	7.14	12.11	137.28
328	21.64	251.59	4.75	7.14	10.46	135.54
329	21.69	242.92	3.53	7.14	8.12	132.67
330	21.73	233.90	1.98	7.14	7.08	130.80
331	21.82	218.52	2.56	7.14	7.37	130.22
332	21.87	207.52	3.05	7.05	9.80	131.50
333	21.96	187.50	3.65	5.92	11.86	132.41
334	22.00	185.10	3.98	6.00	14.28	133.22
335	22.09	169.12	4.59	6.09	16.11	133.78
336	22.14	162.67	4.83	6.09	18.47	134.26

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
337	22.20	150.39	5.21	6.09	20.55	134.51
338	22.28	138.79	5.44	6.09	22.71	134.63
339	22.32	131.40	5.46	6.00	25.12	134.38
340	22.42	110.52	5.20	5.92	26.72	133.71
341	22.47	104.59	4.50	5.92	29.54	132.56
342	22.56	79.94	3.97	6.35	32.19	131.62
343	22.60	73.06	4.10	6.88	36.49	131.05
344	22.66	67.91	4.18	7.76	37.58	131.29
345	22.75	76.84	4.42	8.46	36.45	131.62
346	22.79	84.57	4.46	8.55	36.06	131.87
347	22.86	74.09	4.53	8.90	33.75	132.32
348	22.95	99.61	4.84	9.07	33.41	132.73
349	22.99	94.11	5.08	8.63	33.22	133.22
350	23.05	84.15	5.34	8.55	36.38	133.28
351	23.14	77.53	5.39	8.02	39.10	133.11
352	23.18	74.35	5.14	8.02	41.06	132.51
353	23.28	64.81	4.53	8.02	42.49	131.75
354	23.32	60.78	4.27	8.37	43.93	131.16
355	23.41	60.82	4.36	8.98	44.46	130.98
356	23.46	60.82	4.30	9.51	44.30	130.92
357	23.51	60.86	4.15	9.86	41.17	131.24
358	23.60	79.16	4.52	11.00	37.41	131.79
359	23.64	88.70	4.71	11.35	33.25	132.61
360	23.70	101.76	4.94	11.35	31.59	133.23
361	23.78	103.65	5.33	10.83	31.93	133.91
362	23.86	98.92	6.00	10.56	33.09	134.55
363	23.93	104.16	6.37	11.00	33.66	134.92
364	23.97	106.14	6.19	11.18	32.96	134.84
365	24.06	103.73	5.70	10.39	32.39	134.43
366	24.11	101.50	5.43	9.69	33.05	133.30
367	24.20	79.68	4.16	9.60	34.45	131.83
368	24.25	69.37	3.47	10.56	36.57	130.26
369	24.29	66.27	3.46	10.74	36.97	129.54
370	24.38	68.51	3.29	11.27	36.58	129.28
371	24.43	68.59	3.13	11.27	37.97	128.85
372	24.49	54.25	3.09	11.70	36.87	128.94
373	24.59	75.30	3.30	11.62	36.60	129.21
374	24.63	73.49	3.40	11.53	34.89	129.81
375	24.69	71.69	3.64	11.79	36.32	130.20
376	24.76	72.12	3.92	11.97	36.69	130.41
377	24.82	74.26	3.70	12.05	34.25	130.04
378	24.92	81.65	2.93	12.14	31.40	129.46
379	24.96	83.29	2.96	11.88	29.76	128.89
380	25.05	78.05	2.94	11.92	31.09	128.86
381	25.10	72.12	3.01	11.92	32.89	128.87
382	25.15	71.69	3.12	11.97	34.98	129.14
383	25.24	68.94	3.41	16.88	36.31	129.55
384	25.27	69.97	3.60	17.49	36.46	130.20

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
385	25.37	79.08	3.92	18.19	35.99	130.63
386	25.41	77.70	3.92	18.19	35.67	130.76
387	25.51	73.84	3.74	17.49	36.29	130.54
388	25.56	72.63	3.69	17.58	37.17	130.27
389	25.61	69.11	3.66	25.83	38.09	130.05
390	25.68	65.93	3.54	31.09	38.47	129.66
391	25.75	65.89	3.23	32.14	36.81	128.64
392	25.83	65.85	2.35	31.97	34.42	127.50
393	25.88	65.76	2.23	31.61	33.74	126.90
394	25.97	63.01	2.65	31.26	35.47	127.18
395	26.00	60.09	2.70	31.35	38.70	127.72
396	26.07	55.96	2.96	31.79	43.13	127.69
397	26.13	44.37	2.92	31.18	41.49	127.89
398	26.22	68.68	2.79	30.30	38.56	128.09
399	26.27	71.17	2.95	29.42	36.15	128.59
400	26.33	62.32	3.25	29.42	39.22	128.70
401	26.41	54.59	3.15	29.42	42.39	128.47
402	26.49	54.85	2.93	29.95	42.55	128.06
403	26.54	57.85	2.82	30.12	39.68	127.96
404	26.59	65.85	2.85	30.21	38.03	128.09
405	26.68	63.95	2.93	30.12	36.94	128.28
406	26.73	65.67	2.93	30.39	37.44	128.35
407	26.82	64.30	2.96	31.00	37.32	128.42
408	26.92	65.50	2.99	31.09	37.94	128.44
409	27.00	63.10	3.00	31.26	38.33	128.39
410	27.05	61.98	2.93	31.26	38.89	128.22
411	27.14	61.12	2.86	31.44	38.97	128.11
412	27.19	61.81	2.89	31.70	38.07	128.17
413	27.28	66.96	2.92	32.23	36.80	128.37
414	27.33	70.05	2.97	32.32	34.60	128.67
415	27.37	77.62	3.03	32.40	34.06	129.49
416	27.47	81.05	3.77	32.05	33.67	130.50
417	27.51	87.07	4.15	31.88	33.91	131.72
418	27.61	94.71	4.72	31.26	33.09	132.60
419	27.65	102.19	5.03	31.18	31.38	133.63
420	27.75	120.92	5.66	30.47	30.75	134.25
421	27.79	113.87	5.78	29.68	31.92	134.60
422	27.84	98.23	5.89	28.02	34.84	134.32
423	27.93	89.90	5.58	26.18	37.91	133.81
424	27.97	82.00	5.21	25.48	40.48	132.64
425	28.07	63.95	4.08	25.74	43.33	131.34
426	28.10	57.94	3.77	25.74	46.18	129.63
427	28.20	50.72	3.08	27.05	47.05	128.44
428	28.25	49.44	2.70	27.23	46.91	127.25
429	28.30	48.06	2.52	27.23	46.06	126.53
430	28.38	47.63	2.36	27.23	45.18	126.24
431	28.44	50.12	2.39	27.23	43.28	126.23
432	28.52	54.68	2.41	27.23	41.30	126.41

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
433	28.57	56.82	2.39	27.05	40.07	126.63
434	28.62	57.25	2.51	26.97	40.75	127.50
435	28.71	60.35	3.24	26.61	42.35	128.47
436	28.76	60.09	3.50	26.35	46.87	129.31
437	28.82	47.80	3.81	26.44	45.76	130.10
438	28.89	72.98	4.17	26.57	44.55	130.90
439	28.96	74.26	4.49	25.21	41.08	131.79
440	29.06	76.24	4.81	26.70	40.93	132.26
441	29.10	80.54	4.92	26.97	39.86	132.64
442	29.14	86.04	5.01	27.05	37.04	133.21
443	29.24	103.56	5.44	27.23	33.92	133.83
444	29.29	115.68	5.61	26.53	30.14	134.48
445	29.39	134.84	5.65	26.09	27.50	134.79
446	29.43	141.19	5.60	25.91	24.90	134.88
447	29.52	152.36	5.30	26.09	22.94	134.79
448	29.56	162.41	5.12	26.00	20.96	134.62
449	29.62	169.89	4.93	26.09	19.04	134.55
450	29.68	186.81	4.80	25.83	17.05	134.39
451	29.75	200.56	4.46	25.21	14.83	133.89
452	29.84	207.78	3.71	24.77	13.01	133.20
453	29.89	213.02	3.46	24.60	11.50	132.42
454	29.97	218.43	3.18	24.42	10.74	132.09
455	30.00	221.18	3.19	24.34	10.35	131.96
456	30.07	222.04	3.25	23.98	10.45	132.15
457	30.15	222.90	3.41	21.97	10.54	132.51
458	30.21	232.86	3.62	21.88	10.79	132.96
459	30.30	231.66	3.85	21.88	11.06	133.34
460	30.35	229.77	3.96	21.88	11.48	133.60
461	30.40	229.00	4.05	22.14	11.75	133.80
462	30.48	230.63	4.18	22.05	11.83	133.98
463	30.53	235.53	4.24	21.97	11.69	134.18
464	30.62	242.92	4.31	21.62	11.32	134.35
465	30.67	252.19	4.34	21.35	10.92	134.51
466	30.75	258.72	4.40	21.44	10.59	134.68
467	30.80	265.25	4.49	21.35	10.30	134.95
468	30.89	278.23	4.68	21.53	10.07	135.28
469	30.94	286.56	4.87	21.53	9.94	135.68
470	31.00	292.75	5.12	21.62	10.08	136.12
471	31.08	296.27	5.48	21.62	10.31	136.53
472	31.12	298.85	5.68	21.53	10.52	136.92
473	31.18	305.29	5.93	21.44	10.68	137.22
474	31.25	306.49	6.14	21.44	10.86	137.28
475	31.31	305.38	6.26	21.70	11.16	137.28
476	31.40	302.20	6.41	21.70	11.43	137.28
477	31.45	299.45	6.43	21.62	11.66	137.28
478	31.55	291.97	6.20	21.44	11.74	137.28
479	31.59	287.94	6.00	21.35	11.75	137.13
480	31.68	279.09	5.67	21.18	11.63	136.68

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
481	31.73	273.07	5.27	21.09	11.42	136.07
482	31.77	265.25	4.79	20.91	9.87	134.24
483	31.87	253.83	2.31	20.83	8.89	132.60
484	31.92	239.39	2.92	20.48	8.71	131.60
485	31.98	229.00	3.65	20.30	11.22	133.09
486	32.05	219.20	4.50	20.39	13.18	134.46
487	32.13	231.06	5.27	10.91	14.82	135.55
488	32.18	223.93	5.84	11.27	16.08	136.36
489	32.23	217.49	6.36	11.53	17.90	136.90
490	32.32	203.91	6.85	11.79	19.41	137.21
491	32.37	199.44	6.92	11.88	20.38	137.28
492	32.46	199.87	6.88	11.97	20.50	137.28
493	32.50	200.82	6.81	12.14	20.14	137.24
494	32.60	205.37	6.67	12.14	19.79	137.20
495	32.63	206.92	6.70	12.05	19.61	137.19
496	32.69	204.86	6.75	11.88	20.05	137.22
497	32.78	196.61	6.84	11.88	20.79	137.26
498	32.83	192.31	6.98	11.88	22.05	137.28
499	32.92	180.71	7.19	11.88	23.33	137.28
500	32.97	174.27	7.29	11.97	24.56	137.28
501	33.02	171.86	7.40	12.14	25.33	137.28
502	33.10	168.60	7.44	12.14	26.19	137.28
503	33.15	160.01	7.45	12.49	26.74	137.03
504	33.22	151.42	6.52	12.84	24.06	135.05
505	33.28	151.67	2.56	12.93	20.69	132.93
506	33.38	154.85	3.33	13.20	17.39	130.93
507	33.43	155.80	3.52	13.02	18.57	131.97
508	33.52	158.55	3.95	12.76	19.04	132.53
509	33.57	162.50	4.13	12.58	20.45	132.94
510	33.63	142.48	4.30	12.54	20.61	133.27
511	33.68	165.33	4.46	12.49	20.74	133.81
512	33.77	175.99	4.98	12.32	19.77	134.40
513	33.81	179.00	5.11	12.32	19.31	134.87
514	33.91	190.34	5.19	12.14	18.75	135.02
515	33.95	193.43	5.13	12.05	17.86	135.03
516	34.05	199.44	4.94	11.97	17.29	134.94
517	34.07	201.25	4.92	11.97	16.74	134.88
518	34.13	204.77	4.92	11.88	16.55	134.93
519	34.23	206.57	4.99	11.79	16.52	135.04
520	34.27	206.57	5.09	11.70	16.84	135.29
521	34.36	206.40	5.43	11.70	17.37	135.61
522	34.41	205.89	5.68	11.53	18.00	135.97
523	34.49	205.03	5.92	11.53	18.48	136.22
524	34.55	205.11	6.04	11.62	18.23	135.98
525	34.59	202.71	5.13	11.62	16.86	134.60
526	34.69	186.90	3.12	11.79	15.76	133.12
527	34.73	180.20	3.60	12.32	15.93	132.54
528	34.81	179.34	4.37	12.49	17.61	133.54

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
529	34.88	182.26	4.79	12.49	18.64	134.31
530	34.92	183.89	5.00	12.40	20.59	134.73
531	35.01	153.65	5.43	33.63	22.48	135.09
532	35.07	159.23	5.80	38.54	24.15	135.47
533	35.12	167.40	6.05	49.16	24.05	136.00
534	35.20	171.61	6.51	41.09	24.14	136.42
535	35.25	171.43	6.71	19.95	24.94	136.66
536	35.33	162.41	6.77	18.19	26.84	136.48
537	35.39	137.33	6.50	17.93	30.12	135.87
538	35.48	111.55	5.96	17.93	34.61	134.93
539	35.53	94.03	5.49	17.84	38.48	133.92
540	35.58	86.72	5.05	18.11	41.18	132.67
541	35.66	73.58	4.03	18.90	43.21	131.31
542	35.71	63.78	3.53	20.39	45.41	130.04
543	35.81	60.86	3.48	21.44	46.13	129.39
544	35.90	63.53	3.27	23.11	46.74	129.36
545	35.95	61.21	3.54	23.81	46.73	129.58
546	35.98	63.27	3.74	24.51	46.89	130.11
547	36.04	68.68	3.96	24.86	45.68	130.72
548	36.13	73.49	4.26	24.77	42.67	131.53
549	36.19	88.44	4.64	24.51	41.04	132.26
550	36.23	88.35	4.94	25.12	40.43	133.03
551	36.31	89.04	5.49	26.09	41.37	133.67
552	36.37	92.99	5.94	26.70	41.19	134.43
553	36.46	102.27	6.42	27.23	39.24	135.13
554	36.51	115.85	6.70	26.53	36.87	135.85
555	36.60	127.10	7.21	26.53	34.57	136.44
556	36.63	137.24	7.41	26.44	32.06	137.10
557	36.70	160.18	7.90	25.56	29.23	137.28
558	36.79	185.95	8.63	25.04	26.10	137.28
559	36.83	212.76	8.79	23.98	23.80	137.28
560	36.89	226.59	8.97	23.46	22.08	137.28
561	36.97	235.53	8.91	22.41	21.19	137.28
562	37.05	238.96	8.77	21.18	20.67	137.28
563	37.11	238.62	8.69	21.09	20.44	137.28
564	37.15	237.68	8.56	20.83	20.40	137.28
565	37.25	232.35	8.24	20.48	20.43	137.28
566	37.30	230.11	8.16	20.39	20.62	137.28
567	37.35	225.05	8.11	20.13	21.21	137.28
568	37.43	216.45	8.30	20.13	22.01	137.28
569	37.48	213.45	8.51	20.30	22.93	137.28
570	37.57	212.50	8.93	20.21	23.41	137.28
571	37.62	215.59	9.10	20.39	21.46	137.28
572	37.71	235.53	6.37	21.09	18.57	137.28
573	37.75	242.66	5.52	21.00	15.89	136.81
574	37.81	248.93	6.20	20.48	15.33	136.86
575	37.89	255.63	6.32	20.39	15.40	137.24
576	37.94	259.24	6.35	20.39	15.53	137.28

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
577	38.03	255.29	6.70	20.30	17.86	137.28
578	38.08	189.48	7.16	29.95	20.54	137.28
579	38.16	207.35	8.02	27.23	22.43	137.28
580	38.22	233.04	8.52	25.91	21.43	137.28
581	38.27	241.37	8.78	21.62	20.81	137.28
582	38.36	236.39	8.70	19.77	20.79	137.28
583	38.41	234.84	8.55	19.25	20.70	137.28
584	38.48	237.33	8.34	18.81	20.62	137.28
585	38.55	230.80	8.16	18.63	21.13	137.28
586	38.63	208.98	7.82	18.28	23.12	137.28
587	38.69	173.07	7.55	17.84	25.94	137.28
588	38.73	153.82	7.07	17.67	30.67	136.40
589	38.82	103.91	5.74	16.88	35.28	134.92
590	38.87	89.90	5.06	16.70	41.56	132.85
591	38.96	69.63	3.95	16.00	44.34	131.21
592	39.01	65.50	3.41	15.91	45.85	129.45
593	39.05	61.98	2.85	16.09	45.16	127.63
594	39.14	53.47	1.93	16.44	45.03	125.67
595	39.20	47.89	1.71	16.88	45.06	123.74
596	39.25	46.17	1.51	17.05	45.51	122.67
597	39.33	44.28	1.33	17.49	45.20	121.68
598	39.39	42.13	1.19	17.84	44.95	120.71
599	39.48	40.59	1.06	25.65	44.88	120.04
600	39.52	40.33	1.04	25.74	44.81	119.60
601	39.62	39.64	1.02	26.26	44.78	119.37
602	39.66	39.47	0.98	26.44	44.41	119.07
603	39.71	39.60	0.93	26.61	43.93	118.82
604	39.78	39.51	0.92	27.05	45.97	119.75
605	39.84	39.56	1.36	27.32	49.54	121.60
606	39.94	41.62	1.83	27.67	52.79	123.57
607	39.99	44.02	2.12	28.02	59.10	124.89
608	40.05	37.66	2.44	28.46	59.68	126.07
609	40.13	47.80	2.82	48.81	60.01	126.96
610	40.18	49.26	2.96	51.35	57.43	127.75
611	40.27	50.81	3.10	53.98	56.54	128.08
612	40.32	53.22	3.11	56.96	55.76	128.25
613	40.37	53.30	3.10	58.46	55.20	128.35
614	40.46	53.47	3.17	64.25	53.00	128.41
615	40.51	54.16	3.16	64.51	52.68	128.47
616	40.60	54.85	3.15	64.68	52.15	128.45
617	40.65	55.11	3.11	64.68	50.98	128.33
618	40.73	57.08	2.96	64.33	49.93	128.17
619	40.78	57.08	2.91	65.12	49.08	128.04
620	40.83	56.91	2.92	65.91	48.50	127.93
621	40.92	58.20	2.82	66.44	48.03	127.87
622	40.97	58.37	2.82	66.61	47.74	127.71
623	41.05	56.48	2.73	67.49	48.47	127.55
624	41.10	54.16	2.70	69.16	46.55	126.98

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
625	41.20	60.09	2.18	68.94	44.46	126.00
626	41.24	55.36	1.79	67.84	41.81	125.44
627	41.29	59.40	2.14	68.72	46.12	126.16
628	41.38	50.29	2.95	74.86	49.09	127.69
629	41.43	58.71	3.33	80.56	48.67	129.16
630	41.50	75.21	3.72	89.07	41.59	130.63
631	41.59	100.47	4.25	77.05	37.21	131.81
632	41.64	103.56	4.55	71.96	35.33	132.64
633	41.68	104.16	4.79	59.16	36.04	133.12
634	41.77	103.95	5.11	47.75	36.81	133.43
635	41.82	103.95	5.19	46.26	37.44	133.66
636	41.91	103.73	5.28	49.77	37.49	133.76
637	41.96	105.54	5.28	50.21	37.14	133.85
638	42.01	108.46	5.30	49.42	36.28	133.95
639	42.10	112.75	5.35	47.67	35.39	134.06
640	42.14	115.68	5.37	46.44	33.77	134.13
641	42.24	124.70	5.22	43.90	32.35	134.12
642	42.28	126.67	5.12	43.02	31.01	134.04
643	42.34	127.79	5.03	41.88	30.73	133.93
644	42.42	125.47	4.98	40.12	31.07	133.81
645	42.49	120.57	4.95	39.33	31.97	133.66
646	42.56	115.68	4.89	38.98	32.94	133.51
647	42.60	113.10	4.84	38.90	33.94	133.33
648	42.68	108.03	4.77	38.46	34.62	133.21
649	42.74	107.73	4.78	38.19	35.12	133.14
650	42.81	107.73	4.79	38.11	35.19	133.13
651	42.88	107.43	4.76	38.54	34.76	133.16
652	42.93	111.98	4.77	38.54	32.96	133.37
653	43.02	128.05	4.91	37.84	30.95	133.70
654	43.07	134.58	5.05	37.32	29.18	134.15
655	43.15	142.22	5.31	36.18	28.30	134.51
656	43.20	147.89	5.43	34.86	27.66	134.80
657	43.26	150.56	5.49	34.42	24.05	133.44
658	43.34	156.57	2.41	33.81	20.44	131.89
659	43.39	163.53	2.77	33.02	17.61	130.67
660	43.48	168.08	3.73	32.40	18.96	132.04
661	43.53	170.15	4.16	31.79	20.90	133.54
662	43.62	172.29	5.11	31.35	22.51	134.63
663	43.68	173.32	5.78	26.97	24.05	135.57
664	43.73	173.32	6.19	26.53	25.29	136.28
665	43.82	174.36	6.83	23.46	25.72	136.69
666	43.87	179.51	6.77	22.76	25.38	136.81
667	43.94	183.38	6.41	22.32	24.46	136.52
668	44.01	180.97	5.98	22.05	23.88	136.16
669	44.05	177.88	5.85	21.79	24.28	135.72
670	44.14	162.50	5.58	21.27	25.28	135.38
671	44.19	154.51	5.47	21.09	27.06	134.98
672	44.27	140.59	5.38	20.48	29.03	134.68

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
673	44.33	129.25	5.32	20.48	31.25	134.41
674	44.37	122.38	5.29	20.48	33.31	134.05
675	44.46	111.81	5.02	21.00	35.13	133.56
676	44.51	102.79	4.68	21.27	37.10	132.72
677	44.60	90.93	4.11	21.53	38.67	131.90
678	44.64	86.89	3.90	21.97	41.04	131.02
679	44.74	74.69	3.64	22.93	43.42	130.42
680	44.78	69.97	3.51	23.37	46.44	129.82
681	44.83	64.99	3.36	24.34	49.38	129.28
682	44.89	56.57	3.20	24.07	50.03	128.56
683	44.98	60.26	2.72	25.48	50.25	127.78
684	45.03	56.82	2.55	25.74	50.03	127.01
685	45.11	50.29	2.44	26.09	55.44	126.58
686	45.17	47.37	2.48	27.05	57.50	126.32
687	45.25	48.49	2.43	28.19	57.78	126.32
688	45.31	49.52	2.44	28.37	57.16	126.32
689	45.36	49.26	2.45	28.46	52.67	126.77
690	45.45	58.46	2.73	29.68	49.33	127.57
691	45.49	67.74	3.02	30.30	40.63	129.30
692	45.59	106.65	3.70	31.88	34.32	130.78
693	45.63	121.09	3.99	30.74	29.82	132.38
694	45.72	137.93	4.72	29.16	28.45	133.43
695	45.76	145.49	5.13	26.88	27.57	134.36
696	45.81	155.45	5.45	25.74	26.63	134.78
697	45.91	162.07	5.34	26.61	25.51	134.92
698	45.95	166.28	5.21	27.41	24.35	134.77
699	46.05	169.03	4.97	25.48	24.37	134.64
700	46.09	158.29	5.11	25.12	26.47	134.35
701	46.15	127.27	5.03	25.12	31.18	133.77
702	46.23	97.98	4.64	23.37	39.54	132.62
703	46.29	64.99	4.17	21.00	45.50	131.08
704	46.38	69.71	3.25	21.00	49.60	129.43
705	46.43	60.43	2.79	21.00	49.37	127.88
706	46.48	50.21	2.45	20.65	52.41	126.20
707	46.57	44.71	1.84	21.70	56.45	124.50
708	46.61	43.42	1.54	22.05	52.45	122.34
709	46.70	39.47	1.08	24.51	50.52	120.56
710	46.75	38.61	0.93	25.48	48.91	118.87
711	46.80	37.75	0.85	27.23	48.17	118.16
712	46.89	37.41	0.83	28.81	47.77	117.78
713	46.94	37.58	0.81	30.74	47.38	117.63
714	47.02	37.84	0.80	33.02	47.29	117.89
715	47.08	38.95	0.90	35.74	47.86	118.91
716	47.16	41.70	1.15	38.63	48.32	120.07
717	47.19	43.34	1.24	40.30	46.53	120.63
718	47.26	47.12	1.09	43.02	43.50	121.23
719	47.35	54.76	1.33	46.61	42.21	122.45
720	47.40	56.91	1.78	47.67	42.89	124.51

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
721	47.48	61.89	2.30	48.10	44.99	126.20
722	47.53	62.32	2.64	49.95	47.00	127.44
723	47.59	61.21	2.96	51.97	56.64	128.06
724	47.66	41.62	3.31	122.22	56.05	128.80
725	47.73	70.31	3.42	122.05	52.08	129.22
726	47.80	69.63	3.36	116.17	45.41	129.46
727	47.89	71.69	3.13	111.87	44.57	129.18
728	47.93	71.26	3.04	110.21	44.63	128.80
729	47.98	64.99	2.94	114.33	46.86	128.38
730	48.07	57.34	2.83	118.80	50.96	127.94
731	48.13	51.24	2.82	118.89	57.41	127.66
732	48.21	49.44	2.88	126.26	59.68	127.65
733	48.25	50.04	2.94	126.43	59.62	127.80
734	48.31	52.53	2.97	132.75	56.58	128.05
735	48.41	61.64	2.96	120.73	50.83	128.26
736	48.45	63.27	2.98	118.01	46.99	128.66
737	48.53	71.95	3.17	109.15	44.19	129.19
738	48.57	80.45	3.35	109.24	40.60	129.96
739	48.63	92.48	3.63	86.08	38.63	130.64
740	48.72	94.45	3.85	59.33	37.74	131.14
741	48.77	95.06	3.92	55.47	37.89	131.22
742	48.86	93.34	3.74	50.39	38.31	131.13
743	48.90	90.59	3.77	50.47	39.42	131.17
744	48.99	88.44	4.07	53.19	41.04	131.44
745	49.04	87.50	4.27	50.56	41.56	131.41
746	49.13	87.15	3.77	50.56	42.43	130.50
747	49.18	91.36	2.61	50.56	39.40	129.69
748	49.23	96.95	3.05	51.53	36.51	129.79
749	49.32	111.21	3.64	51.35	35.25	131.00
750	49.37	123.49	3.91	49.60	34.22	131.99
751	49.46	126.42	4.25	46.79	33.85	132.49
752	49.53	126.07	4.32	32.67	33.94	132.86
753	49.59	130.80	4.47	28.11	34.20	133.09
754	49.64	128.99	4.64	27.67	34.49	133.40
755	49.69	129.85	4.85	26.70	35.25	133.30
756	49.78	120.57	4.40	26.18	35.59	132.93
757	49.82	117.91	4.08	26.18	36.51	132.24
758	49.91	107.34	3.93	25.83	37.63	131.83
759	49.96	102.87	3.93	25.39	33.14	128.67
760	50.05	104.08	0.00	25.21	25.88	123.55
761	50.10	100.64	0.00	25.04	N/A	87.36
762	50.15	114.90	0.00	19.86	N/A	87.36
763	50.21	121.52	0.00	19.42	N/A	87.36
764	50.27	121.60	0.00	19.16	N/A	87.36
765	50.36	111.29	0.00	19.16	N/A	87.36

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)

Abbreviations

Depth:	Depth from free surface, at which CPT was performed (ft)
q_c:	Measured cone resistance (tsf)
f_s:	Sleeve friction resistance (tsf)
u:	Pore pressure (tsf)
Fines content:	Percentage of fines in soil (%)
Unit weight:	Bulk soil unit weight (pcf)

Fenagh Engineering and Testing
9070 Center Avenue
Rancho Cucamonga, CA 91730
www.fenaghengineering.com

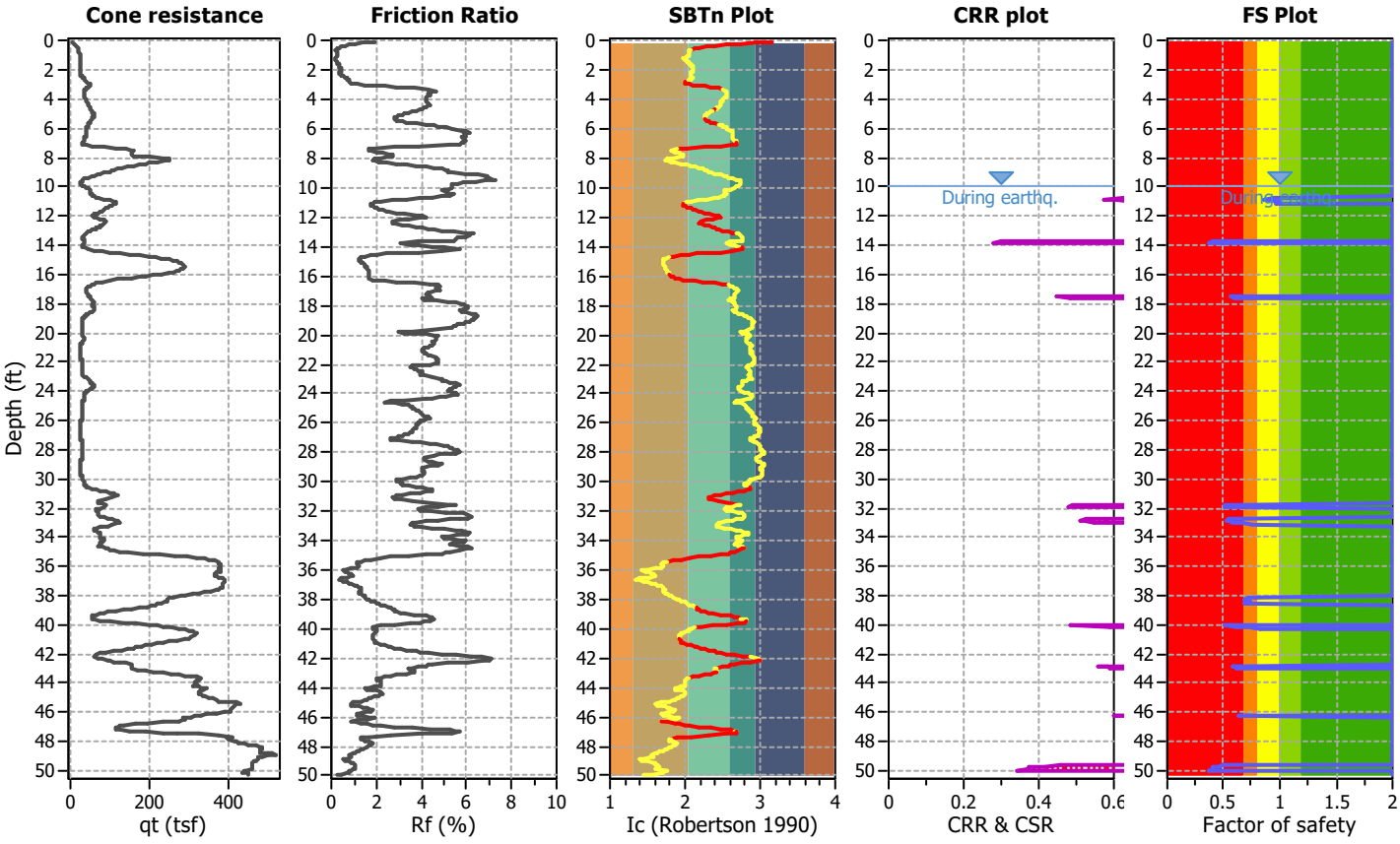
LIQUEFACTION ANALYSIS REPORT

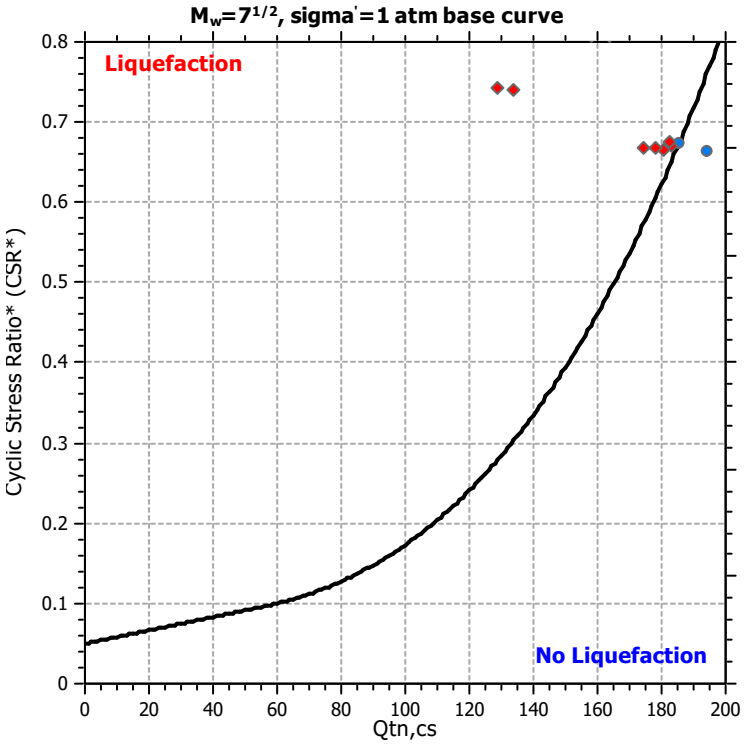
Project title : Centennial High School **Location : 2606 N. Central Ave, Compton, CA 90222**

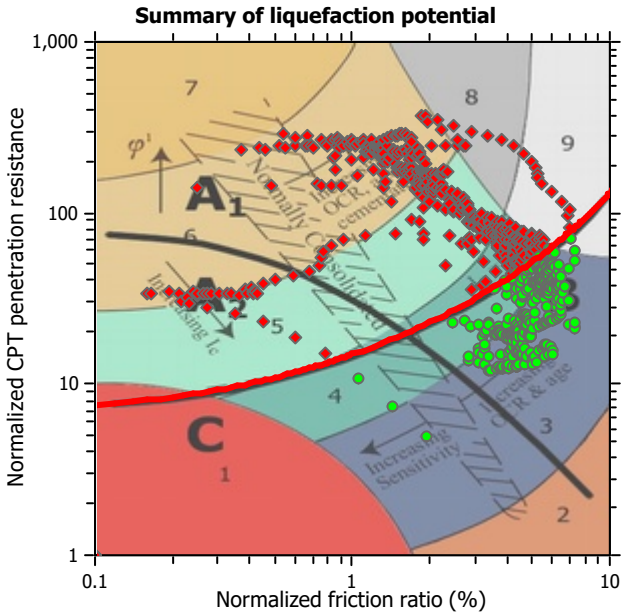
CPT file : CPT-19

Input parameters and analysis data

Analysis method:	NCEER (1998)	G.W.T. (in-situ):	50.00 ft	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	NCEER (1998)	G.W.T. (earthq.):	10.00 ft	Fill height:	N/A	Limit depth applied:	No
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	N/A
Earthquake magnitude M_w:	7.30	Ic cut-off value:	2.60	Trans. detect. applied:	Yes	MSF method:	Method based
Peak ground acceleration:	0.83	Unit weight calculation:	Based on SBT	K_σ applied:	Yes		

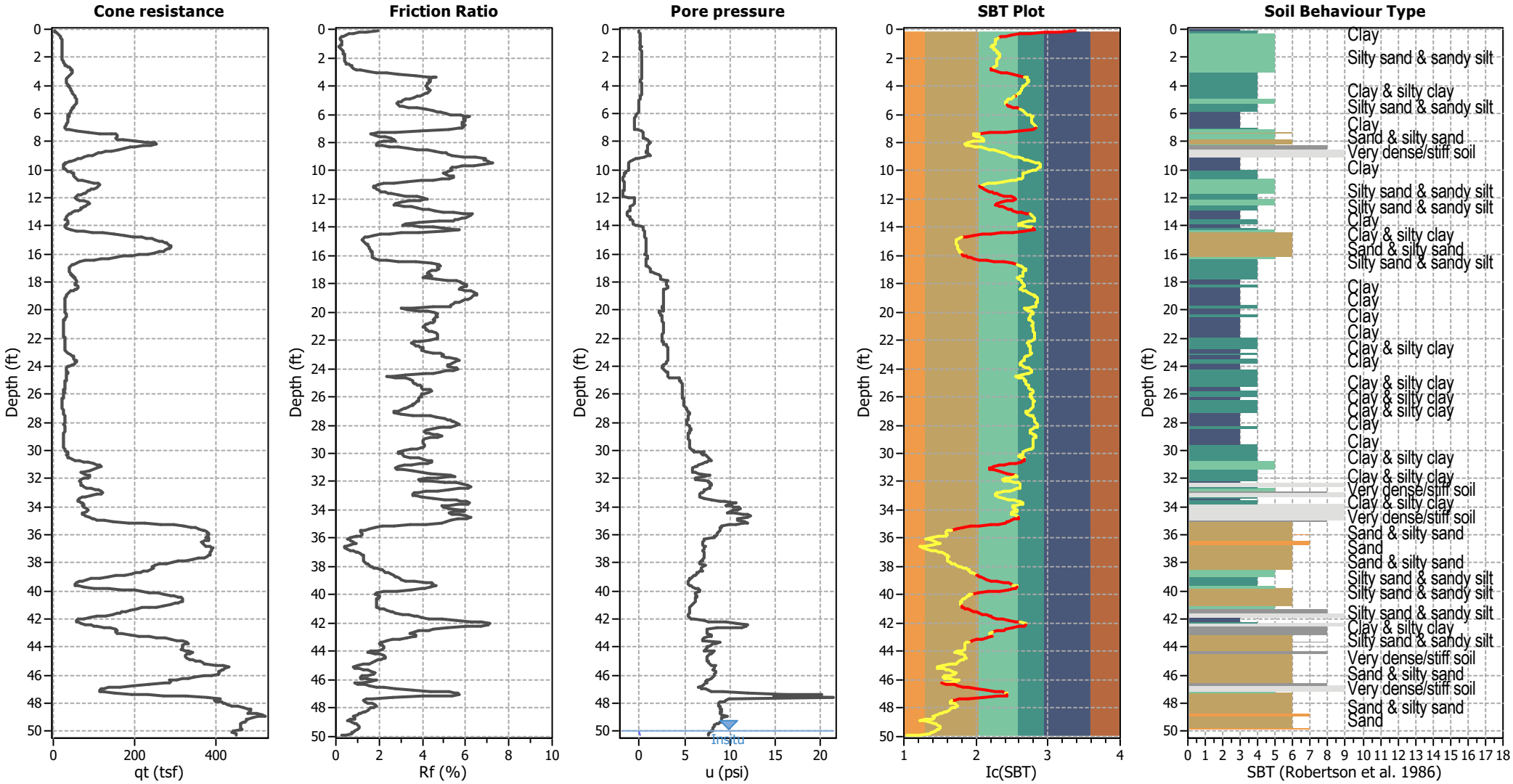






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and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

CPT basic interpretation plots



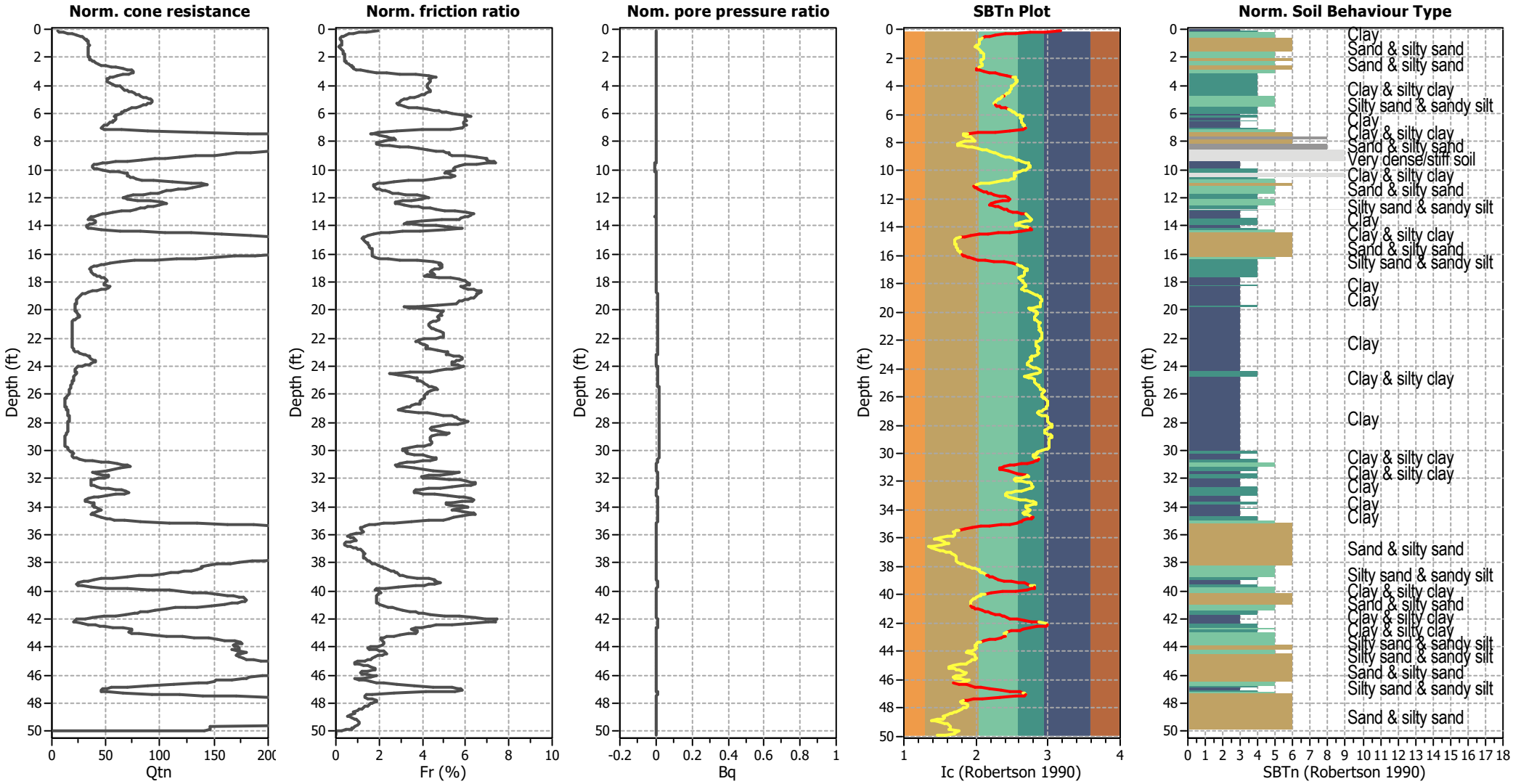
Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	7.30	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.83	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	50.00 ft	Fill height:	N/A	Limit depth:	N/A

SBT legend

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

CPT basic interpretation plots (normalized)



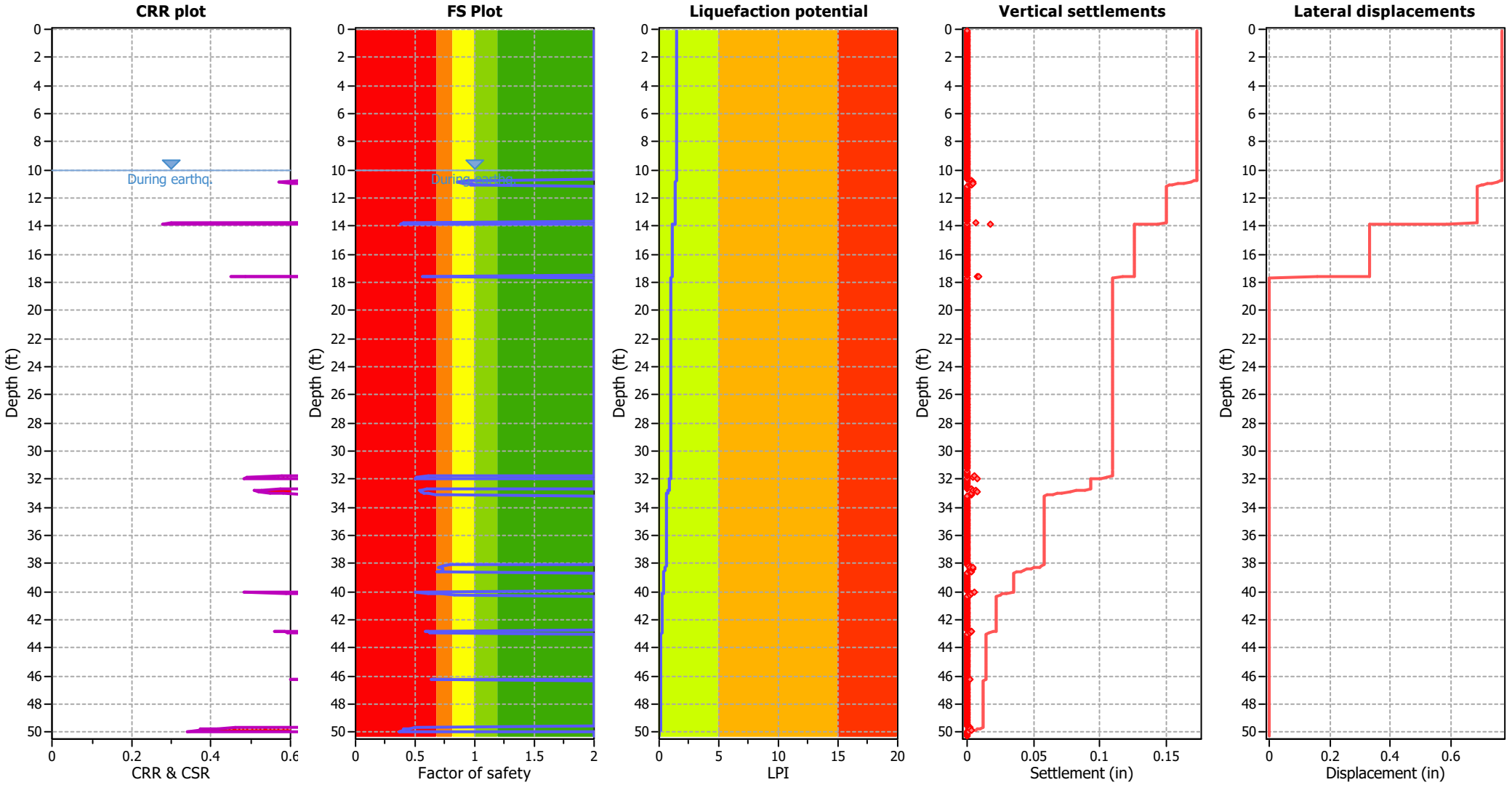
Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	7.30	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.83	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	50.00 ft	Fill height:	N/A	Limit depth:	N/A

SBTn legend

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

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	7.30	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.83	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	50.00 ft	Fill height:	N/A	Limit depth:	N/A

F.S. color scheme

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

LPI color scheme

- Very high risk
- High risk
- Low risk

:: Field input data ::

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
1	0.09	2.32	0.05	0.00	70.57	92.16
2	0.14	4.38	0.07	0.00	55.22	93.95
3	0.22	6.87	0.07	0.00	42.73	95.58
4	0.27	8.76	0.07	0.09	33.05	96.53
5	0.34	12.28	0.07	0.09	26.72	96.89
6	0.41	14.43	0.07	0.09	5.00	96.76
7	0.50	16.75	0.06	0.09	5.00	96.14
8	0.54	17.78	0.05	0.09	5.00	95.07
9	0.64	18.55	0.04	0.09	5.00	94.40
10	0.68	19.24	0.04	0.09	5.00	94.19
11	0.73	19.76	0.04	0.09	5.00	94.87
12	0.81	20.44	0.05	0.09	5.00	95.76
13	0.86	20.96	0.06	0.09	5.00	96.47
14	0.96	21.13	0.06	0.09	5.00	96.86
15	1.01	21.39	0.06	0.09	5.00	96.91
16	1.09	21.47	0.06	0.09	5.00	96.07
17	1.15	21.56	0.04	0.09	5.00	94.48
18	1.19	21.30	0.03	0.18	5.00	93.00
19	1.25	21.04	0.04	0.09	5.00	93.17
20	1.32	20.96	0.04	0.09	5.00	94.85
21	1.42	20.96	0.06	0.09	5.00	96.06
22	1.47	21.13	0.06	0.09	5.00	97.02
23	1.52	20.96	0.06	0.18	5.00	97.56
24	1.61	21.04	0.07	0.18	5.00	98.00
25	1.66	20.96	0.07	0.18	5.00	98.33
26	1.71	20.70	0.07	0.18	5.00	98.75
27	1.78	20.79	0.08	0.18	5.00	99.27
28	1.85	21.22	0.09	0.18	5.00	99.78
29	1.93	21.13	0.09	0.18	5.00	100.10
30	1.98	21.56	0.09	0.18	5.00	100.19
31	2.06	21.99	0.09	0.18	5.00	100.10
32	2.12	22.07	0.09	0.18	5.00	99.81
33	2.17	22.42	0.08	0.18	5.00	99.98
34	2.26	23.28	0.09	0.18	5.00	100.60
35	2.30	23.96	0.11	0.18	5.00	101.78
36	2.40	25.34	0.13	0.18	15.16	102.98
37	2.44	26.46	0.15	0.18	15.46	104.78
38	2.53	28.60	0.20	0.18	15.61	106.42
39	2.58	30.66	0.23	0.18	15.29	107.91
40	2.63	33.93	0.26	0.18	14.40	109.02
41	2.72	38.05	0.29	0.18	13.69	109.98
42	2.76	39.51	0.32	0.18	13.15	111.28
43	2.86	44.58	0.39	0.26	13.30	112.70
44	2.90	45.95	0.48	0.26	14.24	114.76
45	2.98	47.24	0.67	0.26	16.18	116.88
46	3.05	47.50	0.90	0.26	18.40	118.75
47	3.09	46.81	1.07	0.26	21.06	120.24
48	3.16	44.06	1.29	0.26	23.96	121.37

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
49	3.23	41.83	1.50	0.26	27.90	122.28
50	3.33	36.50	1.70	0.26	30.97	122.67
51	3.37	35.30	1.66	0.26	33.16	122.51
52	3.42	33.58	1.52	0.26	33.24	121.90
53	3.50	32.47	1.37	0.26	33.27	121.37
54	3.55	32.04	1.38	0.26	33.37	121.08
55	3.63	31.61	1.38	0.09	33.66	121.07
56	3.69	31.61	1.38	0.09	33.66	121.08
57	3.75	32.12	1.39	0.15	33.43	121.14
58	3.81	32.64	1.40	0.18	32.67	121.37
59	3.89	35.13	1.46	0.18	31.92	121.76
60	3.97	36.85	1.55	0.18	31.11	122.19
61	4.01	38.05	1.59	0.18	30.64	122.57
62	4.07	39.34	1.64	0.18	30.20	122.93
63	4.16	40.97	1.73	0.18	29.93	123.26
64	4.21	41.49	1.77	0.18	29.85	123.60
65	4.29	42.26	1.85	0.18	29.75	123.86
66	4.34	43.38	1.89	0.18	29.49	124.17
67	4.44	45.01	1.96	0.18	28.97	124.39
68	4.48	46.30	1.97	0.18	28.39	124.56
69	4.53	47.33	1.97	0.18	27.73	124.67
70	4.62	48.96	1.98	0.18	27.05	124.75
71	4.67	50.33	1.98	0.18	26.32	124.78
72	4.76	51.28	1.94	0.09	25.55	124.77
73	4.80	52.82	1.92	0.09	24.54	124.70
74	4.89	55.23	1.87	0.09	23.56	124.63
75	4.94	56.26	1.83	0.09	22.60	124.54
76	4.99	57.72	1.80	0.09	21.92	124.41
77	5.08	58.32	1.74	-0.09	21.43	124.25
78	5.13	57.81	1.70	-0.09	21.10	123.96
79	5.21	56.86	1.60	-0.09	20.97	123.66
80	5.26	56.00	1.56	0.00	21.05	123.37
81	5.34	54.37	1.54	-0.09	21.50	123.25
82	5.41	52.74	1.56	-0.09	22.09	123.17
83	5.45	51.71	1.55	-0.09	23.23	123.24
84	5.55	48.36	1.65	-0.09	24.60	123.34
85	5.58	46.38	1.70	-0.09	26.68	123.68
86	5.68	44.41	1.87	-0.09	28.68	124.09
87	5.75	42.86	2.02	-0.09	30.23	124.31
88	5.82	41.74	1.94	-0.09	31.12	124.39
89	5.86	41.49	1.98	-0.09	31.74	124.39
90	5.91	40.54	2.06	-0.09	32.63	124.63
91	6.00	40.28	2.17	-0.17	33.56	124.86
92	6.05	39.94	2.20	-0.35	35.76	124.90
93	6.11	33.50	2.23	-0.36	36.72	124.89
94	6.19	37.28	2.22	-0.36	37.48	124.84
95	6.24	37.28	2.20	-0.36	36.37	124.87
96	6.33	37.11	2.19	-0.53	36.46	124.83

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
97	6.38	36.68	2.19	-0.53	36.64	124.78
98	6.47	36.42	2.18	-0.53	36.82	124.66
99	6.54	35.82	2.11	-0.53	36.92	124.51
100	6.56	35.39	2.08	-0.53	36.92	124.19
101	6.66	34.27	1.94	-0.53	37.45	123.90
102	6.74	32.47	1.94	-0.53	38.02	123.59
103	6.79	31.95	1.90	-0.53	38.79	123.37
104	6.84	31.01	1.83	-0.53	39.15	123.00
105	6.92	29.46	1.71	-0.53	39.60	122.58
106	6.98	28.60	1.66	-0.61	39.86	122.21
107	7.02	28.43	1.62	-0.61	39.60	122.04
108	7.10	29.20	1.61	-0.61	37.46	122.04
109	7.16	33.67	1.57	-0.17	29.03	122.56
110	7.25	57.72	1.52	0.26	21.07	123.20
111	7.29	74.30	1.52	0.35	13.63	124.73
112	7.39	119.48	1.90	0.35	10.10	126.58
113	7.43	147.31	2.33	0.35	8.61	128.45
114	7.48	156.84	2.68	0.35	8.75	130.02
115	7.57	161.57	3.30	0.35	9.64	131.09
116	7.62	154.52	3.58	0.44	10.79	132.02
117	7.71	154.09	4.00	0.44	11.69	132.53
118	7.76	154.09	4.14	0.61	12.31	132.99
119	7.85	153.66	4.36	0.88	12.37	133.30
120	7.89	163.54	4.44	0.88	11.24	133.77
121	7.94	202.62	4.55	1.05	9.27	134.23
122	8.03	240.33	4.53	1.05	7.61	134.65
123	8.08	257.25	4.57	1.14	6.92	135.00
124	8.18	257.08	4.85	1.05	7.16	135.28
125	8.22	243.94	5.05	0.96	8.24	135.54
126	8.29	215.77	5.39	0.96	9.84	135.82
127	8.36	200.13	5.88	0.96	11.77	136.15
128	8.41	187.42	6.31	0.88	13.50	136.56
129	8.49	178.23	6.81	0.88	15.21	136.71
130	8.54	159.93	6.77	0.88	16.99	136.56
131	8.63	140.01	6.53	0.79	18.72	136.22
132	8.68	132.96	6.54	0.88	20.43	135.63
133	8.77	113.81	5.95	0.79	21.58	135.09
134	8.80	109.43	5.66	0.88	22.48	134.42
135	8.87	105.05	5.40	1.05	22.98	133.97
136	8.94	98.43	5.20	1.14	24.12	133.50
137	9.01	87.35	5.04	0.96	26.72	133.00
138	9.06	70.35	4.98	0.61	29.25	132.37
139	9.15	68.03	4.56	-0.26	31.65	131.69
140	9.19	61.67	4.29	-0.44	32.52	130.73
141	9.28	53.17	3.64	-0.70	34.54	129.41
142	9.38	43.46	3.02	-0.96	37.12	127.80
143	9.43	36.08	2.65	-1.05	39.91	126.37
144	9.46	32.81	2.42	-1.14	42.03	125.08

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
145	9.52	29.20	2.03	-1.23	42.69	123.74
146	9.61	26.97	1.65	-1.23	42.94	122.32
147	9.66	25.25	1.50	-1.23	42.65	121.08
148	9.75	24.14	1.32	-1.23	42.73	120.34
149	9.80	23.79	1.28	-1.23	41.92	120.08
150	9.89	25.85	1.35	-1.23	41.18	120.52
151	9.93	27.83	1.50	-1.23	39.99	121.34
152	9.98	30.41	1.65	-1.23	38.38	122.58
153	10.07	36.50	1.96	-1.53	35.75	123.74
154	10.11	42.95	2.08	-1.53	33.35	124.97
155	10.20	47.93	2.37	-1.53	31.98	125.74
156	10.24	48.79	2.45	-1.75	31.86	126.35
157	10.34	49.13	2.58	-1.75	32.33	126.71
158	10.40	49.47	2.71	-1.75	32.73	127.02
159	10.44	50.16	2.77	-1.75	32.48	127.24
160	10.53	52.57	2.76	-1.84	31.71	127.31
161	10.58	54.20	2.70	-1.84	30.18	127.18
162	10.67	56.95	2.52	-1.84	28.60	126.96
163	10.72	59.35	2.41	-1.84	26.22	126.79
164	10.77	67.00	2.35	-1.84	22.35	126.92
165	10.83	87.10	2.28	-1.75	18.41	127.15
166	10.90	101.01	2.23	-1.75	15.10	127.36
167	10.99	113.38	2.16	-1.75	13.36	127.38
168	11.04	115.87	2.10	-1.75	12.41	127.23
169	11.10	115.27	2.00	-1.75	12.20	126.91
170	11.18	111.23	1.91	-1.75	12.43	126.59
171	11.23	105.56	1.90	-1.75	13.06	126.31
172	11.31	99.29	1.88	-1.75	13.97	126.10
173	11.37	93.54	1.86	-1.75	14.96	125.91
174	11.45	88.30	1.86	-1.75	15.99	125.84
175	11.49	85.04	1.92	-1.84	17.13	125.90
176	11.55	81.08	2.00	-1.84	18.22	126.09
177	11.64	79.37	2.09	-1.84	19.17	126.12
178	11.68	76.10	2.02	-1.84	20.97	126.18
179	11.79	65.28	2.19	-1.84	23.27	126.17
180	11.82	60.98	2.27	-1.84	26.53	126.17
181	11.91	53.77	2.27	-1.84	28.27	126.06
182	11.96	54.20	2.23	-1.21	29.68	125.84
183	12.02	51.36	2.19	-0.61	29.37	125.74
184	12.08	54.63	2.17	-0.61	28.14	125.85
185	12.15	62.19	2.22	-0.61	24.92	126.29
186	12.21	76.70	2.28	-0.61	21.70	126.91
187	12.29	88.21	2.38	-0.53	19.49	127.39
188	12.38	91.39	2.41	-0.61	18.87	127.70
189	12.43	89.16	2.47	-0.61	19.60	127.86
190	12.48	82.80	2.59	-0.79	21.24	128.06
191	12.57	77.91	2.75	-1.05	23.07	128.24
192	12.62	75.33	2.82	-1.05	24.64	128.41

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
193	12.71	72.15	2.91	-1.05	25.89	128.51
194	12.75	69.92	2.97	-1.05	27.39	128.56
195	12.80	65.28	3.02	-1.05	28.85	128.58
196	12.89	62.79	3.07	-1.05	30.88	128.47
197	12.94	56.69	3.04	-1.14	33.84	127.99
198	13.03	44.58	2.79	-1.31	37.21	127.31
199	13.08	41.92	2.66	-1.31	40.02	126.53
200	13.12	40.20	2.51	-1.31	40.99	125.76
201	13.21	35.90	2.16	-1.31	42.07	124.86
202	13.30	32.90	1.98	-1.23	43.21	123.88
203	13.36	31.35	1.84	-1.05	43.75	123.16
204	13.40	30.58	1.70	-1.05	44.18	122.39
205	13.49	27.92	1.52	-0.96	44.26	122.05
206	13.56	29.63	1.64	-0.88	43.63	122.08
207	13.58	32.30	1.69	-0.88	39.95	122.04
208	13.68	36.68	1.35	-0.79	35.76	121.20
209	13.72	36.76	1.04	-0.70	32.95	119.96
210	13.81	33.76	1.04	-0.79	33.15	119.31
211	13.86	32.55	1.10	-0.79	36.16	119.47
212	13.95	29.03	1.19	-0.35	38.74	119.73
213	13.99	28.69	1.22	-0.17	41.58	120.45
214	14.09	29.55	1.51	0.35	43.21	121.38
215	14.13	30.23	1.70	0.35	44.21	122.53
216	14.18	32.47	1.90	0.35	43.30	123.54
217	14.27	37.45	2.11	0.35	37.25	124.79
218	14.37	56.69	2.26	0.53	29.19	126.04
219	14.41	79.71	2.33	0.53	22.93	127.03
220	14.46	92.85	2.39	0.61	18.04	127.85
221	14.51	120.77	2.47	0.61	14.35	128.68
222	14.60	152.20	2.63	0.61	11.28	129.45
223	14.65	177.71	2.67	0.61	9.14	130.02
224	14.73	199.79	2.66	0.61	7.69	130.36
225	14.79	217.31	2.69	0.61	6.77	130.76
226	14.87	233.37	2.86	0.70	6.32	131.18
227	14.91	240.59	2.98	0.70	6.08	131.69
228	14.97	252.87	3.15	0.70	6.08	132.30
229	15.05	262.58	3.51	0.70	6.11	132.90
230	15.10	269.45	3.67	0.79	6.22	133.45
231	15.16	275.46	3.86	0.79	6.30	133.87
232	15.24	280.44	4.07	0.79	6.45	134.28
233	15.33	284.05	4.28	0.79	6.58	134.61
234	15.38	287.23	4.36	0.79	6.65	134.82
235	15.43	288.35	4.40	0.79	6.71	134.98
236	15.52	290.24	4.54	0.79	6.82	135.12
237	15.56	289.63	4.60	0.79	7.07	135.28
238	15.66	282.51	4.73	0.79	7.32	135.29
239	15.74	277.18	4.63	0.70	7.61	135.21
240	15.79	269.88	4.55	0.70	7.72	134.99

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
241	15.84	265.07	4.42	0.70	7.94	134.72
242	15.88	252.01	4.28	0.70	8.11	134.19
243	15.98	234.92	3.81	0.61	8.64	133.48
244	16.03	208.21	3.57	0.61	9.18	132.48
245	16.11	187.08	3.12	0.96	9.85	131.62
246	16.15	179.18	2.95	0.96	10.61	130.71
247	16.24	153.06	2.73	0.88	11.94	130.11
248	16.30	133.39	2.73	0.88	13.94	129.64
249	16.34	122.14	2.77	0.79	16.79	129.43
250	16.42	97.92	2.89	0.79	20.70	129.18
251	16.48	76.27	2.95	0.79	26.11	128.75
252	16.57	63.13	2.91	0.79	31.09	128.15
253	16.62	55.74	2.73	0.79	34.29	127.35
254	16.70	50.59	2.44	0.79	35.97	126.44
255	16.76	46.98	2.20	0.79	36.66	125.60
256	16.80	45.70	2.08	0.79	38.03	124.79
257	16.89	39.17	1.91	0.96	39.56	124.16
258	16.95	37.45	1.84	1.05	40.88	123.55
259	17.03	37.62	1.73	1.23	40.60	123.22
260	17.07	38.05	1.68	1.23	39.63	122.95
261	17.13	38.65	1.63	1.23	39.11	122.87
262	17.22	38.82	1.66	1.23	38.79	122.91
263	17.26	39.51	1.69	1.32	38.62	123.12
264	17.35	40.71	1.75	1.75	38.55	123.64
265	17.45	42.86	1.97	2.19	38.31	124.07
266	17.47	43.63	1.95	2.10	36.46	123.93
267	17.54	46.21	1.56	2.28	35.34	124.10
268	17.59	48.53	2.02	2.28	34.93	124.81
269	17.68	51.28	2.41	2.28	36.20	126.12
270	17.72	52.57	2.64	2.37	37.35	127.34
271	17.82	55.06	3.19	2.37	38.11	128.18
272	17.88	56.43	3.31	2.98	38.37	128.79
273	17.93	57.63	3.32	3.07	38.63	128.84
274	18.02	54.63	3.27	2.98	39.15	128.77
275	18.06	53.68	3.27	2.98	39.85	128.69
276	18.15	54.03	3.29	2.98	39.89	128.77
277	18.20	55.57	3.36	2.98	38.96	128.98
278	18.25	59.95	3.43	3.07	37.89	129.23
279	18.34	61.67	3.49	3.07	37.18	129.40
280	18.39	61.16	3.49	3.07	37.91	129.31
281	18.48	55.66	3.39	2.81	39.20	129.03
282	18.52	53.08	3.26	2.72	41.27	128.54
283	18.57	47.84	3.10	2.72	43.18	127.92
284	18.65	43.12	2.85	2.72	45.62	127.00
285	18.75	37.88	2.48	2.72	47.29	126.03
286	18.80	36.33	2.29	2.72	48.62	125.09
287	18.85	33.67	2.12	2.72	49.78	124.35
288	18.94	30.84	1.96	2.72	51.08	123.70

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
289	18.99	30.15	1.88	2.63	52.01	123.15
290	19.08	29.03	1.78	2.63	52.37	122.75
291	19.13	28.34	1.71	2.63	52.51	122.38
292	19.19	28.17	1.65	2.63	52.36	122.08
293	19.26	28.00	1.59	2.63	52.08	121.85
294	19.30	27.92	1.56	2.63	51.87	121.68
295	19.36	27.83	1.54	2.63	51.61	121.50
296	19.45	27.74	1.48	2.63	51.58	121.32
297	19.50	27.31	1.46	2.63	51.62	121.09
298	19.58	26.80	1.42	2.63	51.83	120.93
299	19.63	26.80	1.40	2.63	49.05	119.66
300	19.72	26.80	0.79	2.54	45.25	117.98
301	19.77	26.80	0.68	2.63	42.47	116.74
302	19.86	27.14	0.95	2.54	43.79	117.41
303	19.89	27.14	1.02	2.63	46.22	118.55
304	19.95	26.97	1.12	2.63	48.17	119.29
305	20.03	26.80	1.29	2.63	49.41	119.99
306	20.09	28.09	1.35	2.19	49.14	120.59
307	20.18	30.23	1.39	2.19	48.21	120.92
308	20.22	30.32	1.42	2.28	47.48	121.21
309	20.32	31.09	1.47	2.37	47.28	121.40
310	20.35	31.78	1.48	2.37	46.61	121.56
311	20.41	32.64	1.48	2.46	46.31	121.51
312	20.50	31.61	1.44	2.46	46.42	121.33
313	20.55	30.75	1.38	2.54	47.87	120.82
314	20.64	27.14	1.27	2.54	49.40	120.13
315	20.73	25.60	1.15	2.54	50.84	119.39
316	20.78	25.17	1.10	2.54	50.92	118.89
317	20.82	25.08	1.07	2.54	50.66	118.63
318	20.88	25.08	1.05	2.63	50.20	118.46
319	20.96	25.34	1.02	2.63	49.87	118.34
320	21.01	25.25	1.01	2.63	50.16	118.22
321	21.10	24.22	1.01	2.63	50.32	118.22
322	21.15	25.21	1.02	2.63	51.00	118.28
323	21.24	24.48	1.05	2.63	50.78	118.40
324	21.28	25.17	1.05	2.63	50.95	118.49
325	21.33	25.34	1.06	2.63	51.08	118.70
326	21.41	25.17	1.13	2.63	51.69	118.97
327	21.47	25.34	1.16	2.63	52.60	119.27
328	21.56	25.17	1.20	2.63	52.89	119.39
329	21.65	25.34	1.19	2.63	53.06	119.44
330	21.69	25.42	1.19	2.54	52.94	119.46
331	21.75	25.51	1.21	2.54	53.02	119.54
332	21.79	25.60	1.22	2.54	52.82	119.66
333	21.88	26.28	1.23	2.54	52.69	119.74
334	21.93	26.20	1.24	2.54	52.08	119.67
335	22.02	26.37	1.17	2.54	51.15	119.28
336	22.07	26.37	1.04	2.54	49.17	118.48

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
337	22.13	26.37	0.88	2.54	47.85	117.89
338	22.20	26.37	0.93	2.54	47.30	117.64
339	22.25	26.46	0.95	2.63	48.10	117.89
340	22.34	26.03	0.97	2.63	48.46	118.05
341	22.39	26.54	1.00	2.63	48.98	118.30
342	22.48	26.63	1.04	2.98	49.26	118.54
343	22.52	26.63	1.07	2.98	49.72	118.78
344	22.61	26.80	1.10	3.07	49.73	118.89
345	22.66	27.23	1.09	3.07	49.30	118.92
346	22.74	27.57	1.06	3.07	49.14	118.98
347	22.80	27.49	1.12	3.07	49.63	119.39
348	22.87	28.17	1.26	3.07	50.53	120.28
349	22.94	29.98	1.47	3.07	50.89	121.24
350	22.98	31.44	1.60	3.07	49.12	122.43
351	23.08	37.88	1.85	3.16	47.21	123.43
352	23.13	40.37	2.02	3.16	44.75	124.45
353	23.17	44.66	2.18	3.16	44.07	125.38
354	23.25	46.64	2.51	3.16	43.72	126.17
355	23.31	47.76	2.64	3.16	44.09	126.87
356	23.40	49.30	2.84	3.16	44.06	127.28
357	23.44	50.42	2.90	3.07	43.23	127.69
358	23.53	54.37	2.99	3.07	42.02	127.98
359	23.58	56.86	3.05	3.07	40.93	128.20
360	23.63	57.03	3.04	2.98	40.73	128.17
361	23.70	55.06	2.94	2.98	40.91	127.78
362	23.77	52.48	2.66	2.98	41.74	127.17
363	23.86	48.27	2.49	2.72	42.93	126.54
364	23.90	45.44	2.43	2.63	45.58	125.96
365	23.95	39.34	2.31	2.54	47.87	125.24
366	24.04	36.59	2.02	2.63	50.43	124.30
367	24.09	33.15	1.83	2.54	51.76	123.13
368	24.18	29.81	1.56	2.63	51.54	122.32
369	24.23	32.90	1.51	2.72	51.28	121.65
370	24.30	30.32	1.45	2.81	49.27	121.39
371	24.36	32.64	1.36	2.98	47.72	120.96
372	24.42	34.10	1.25	3.07	42.83	119.48
373	24.50	33.93	0.67	3.07	39.43	117.99
374	24.55	33.50	0.75	3.07	38.63	116.91
375	24.64	30.84	0.91	3.07	41.78	117.69
376	24.69	30.23	0.96	3.07	44.81	118.40
377	24.78	30.19	1.05	3.33	46.13	118.82
378	24.84	30.15	1.09	4.38	46.72	119.15
379	24.89	30.66	1.10	4.47	46.89	119.21
380	24.98	30.15	1.07	4.47	47.05	119.16
381	25.03	29.72	1.07	4.56	47.59	119.12
382	25.07	29.46	1.10	4.56	48.24	119.12
383	25.15	28.95	1.08	4.65	49.11	119.18
384	25.21	28.43	1.11	4.82	49.99	119.20

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
385	25.29	28.00	1.13	4.82	50.73	119.22
386	25.35	27.83	1.11	4.82	51.03	119.17
387	25.44	27.74	1.10	4.82	51.54	119.16
388	25.48	27.23	1.13	4.82	52.43	119.25
389	25.53	26.71	1.17	4.82	53.78	119.38
390	25.63	26.11	1.18	4.82	55.45	119.36
391	25.67	26.11	1.14	4.82	54.19	119.11
392	25.76	26.28	1.05	4.82	53.43	118.82
393	25.81	26.28	1.05	4.82	52.75	118.60
394	25.86	26.37	1.04	4.82	52.89	118.53
395	25.95	25.85	1.03	4.82	53.13	118.40
396	25.99	25.51	1.00	4.82	53.60	118.07
397	26.09	24.39	0.93	4.82	54.01	117.70
398	26.12	23.96	0.91	4.82	55.80	117.23
399	26.22	22.68	0.86	4.82	56.72	116.95
400	26.27	22.25	0.85	4.91	57.53	116.68
401	26.31	21.99	0.84	4.91	57.76	116.46
402	26.39	21.73	0.80	4.91	57.67	116.23
403	26.45	21.73	0.78	4.91	57.54	116.02
404	26.53	21.56	0.77	4.91	57.68	115.88
405	26.64	21.22	0.77	4.91	58.03	115.79
406	26.65	21.13	0.76	4.91	57.86	115.58
407	26.73	21.13	0.71	4.91	57.34	115.30
408	26.77	21.13	0.68	4.91	56.51	114.93
409	26.86	21.13	0.66	5.00	56.12	114.72
410	26.91	21.13	0.65	5.00	54.02	114.61
411	27.00	22.16	0.64	5.17	52.65	114.49
412	27.05	22.68	0.61	5.26	50.32	114.28
413	27.11	23.79	0.57	5.26	49.65	114.64
414	27.19	24.39	0.71	5.35	50.72	115.93
415	27.28	25.60	0.95	5.35	53.40	117.25
416	27.31	24.57	1.01	5.53	55.70	118.32
417	27.36	26.63	1.10	5.53	56.97	119.15
418	27.46	26.88	1.29	5.44	57.51	119.92
419	27.50	26.97	1.35	5.35	58.43	120.72
420	27.60	28.52	1.50	5.35	58.32	121.25
421	27.64	29.55	1.56	5.35	57.90	121.74
422	27.69	29.98	1.60	5.35	57.82	121.99
423	27.77	29.89	1.64	5.35	58.39	122.09
424	27.83	29.12	1.63	5.26	59.44	122.04
425	27.92	28.00	1.60	5.26	60.83	121.83
426	27.97	26.80	1.56	5.26	62.02	121.46
427	28.05	25.68	1.45	5.26	61.71	121.03
428	28.11	26.80	1.36	5.26	61.53	120.52
429	28.16	25.08	1.30	5.26	59.52	120.02
430	28.28	26.80	1.17	5.53	58.08	119.61
431	28.38	27.57	1.14	5.61	55.72	119.36
432	28.43	28.09	1.14	5.70	55.18	119.33

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
433	28.52	27.66	1.14	5.70	55.60	119.38
434	28.58	27.23	1.17	5.61	56.61	119.44
435	28.61	26.71	1.18	5.61	58.20	119.58
436	28.71	25.68	1.23	5.53	60.11	119.64
437	28.75	24.65	1.24	5.44	61.59	119.57
438	28.86	24.31	1.19	5.44	61.55	119.12
439	28.89	24.22	1.04	5.44	60.39	118.52
440	28.98	24.14	0.97	5.44	59.45	118.03
441	29.03	23.96	0.98	5.44	59.32	117.86
442	29.12	23.88	0.98	5.44	59.41	117.84
443	29.17	24.05	0.97	5.44	59.30	117.80
444	29.21	24.05	0.96	5.44	59.50	117.77
445	29.27	23.53	0.97	5.61	59.46	117.86
446	29.36	24.48	1.00	5.61	59.64	117.95
447	29.40	24.22	1.00	5.53	59.55	118.01
448	29.48	23.96	0.99	5.53	59.76	117.95
449	29.54	24.05	0.98	5.53	59.74	117.82
450	29.61	23.88	0.95	5.53	59.39	117.64
451	29.68	23.88	0.92	5.61	58.64	117.33
452	29.73	24.14	0.86	5.61	56.71	116.88
453	29.81	25.17	0.77	5.61	52.31	116.72
454	29.89	28.09	0.82	5.79	49.51	116.72
455	29.95	28.86	0.81	5.88	48.40	117.16
456	30.00	29.03	0.88	5.96	49.36	117.58
457	30.09	28.17	0.97	6.05	48.21	118.22
458	30.12	33.93	1.00	7.10	45.62	119.03
459	30.21	38.39	1.11	6.84	45.17	119.64
460	30.28	32.47	1.19	6.93	46.91	120.17
461	30.35	32.81	1.26	7.37	49.69	120.57
462	30.41	34.44	1.36	7.54	49.70	121.40
463	30.49	36.93	1.59	7.63	49.52	122.35
464	30.52	38.65	1.76	7.63	48.36	123.46
465	30.58	44.06	1.97	7.80	46.06	124.58
466	30.67	51.11	2.25	7.89	41.29	125.98
467	30.77	66.31	2.58	7.63	37.11	127.10
468	30.81	73.53	2.67	7.54	32.49	128.00
469	30.86	87.70	2.75	7.28	29.11	128.58
470	30.93	98.35	2.86	6.93	26.08	129.18
471	31.04	109.34	3.00	6.58	24.44	129.62
472	31.07	112.44	3.04	6.49	23.50	130.10
473	31.13	118.19	3.28	6.31	23.43	130.56
474	31.17	119.65	3.50	6.14	24.39	131.34
475	31.27	117.42	4.09	5.88	28.12	131.36
476	31.45	79.02	3.74	5.88	33.90	131.07
477	31.55	67.00	3.74	5.88	40.58	130.34
478	31.59	66.91	3.76	6.23	42.27	130.25
479	31.64	69.66	3.78	6.58	40.03	130.54
480	31.71	82.03	3.92	7.63	36.50	130.85

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
481	31.78	91.73	3.84	7.80	33.18	130.94
482	31.82	93.88	3.56	6.93	31.70	130.31
483	31.92	83.40	2.97	6.23	32.96	129.85
484	32.00	75.76	3.40	6.23	36.44	129.55
485	32.05	67.60	3.51	6.23	40.57	129.79
486	32.10	64.25	3.62	6.23	43.23	129.98
487	32.17	65.41	3.86	7.63	44.31	130.31
488	32.23	66.57	4.03	7.72	44.82	130.72
489	32.32	66.74	4.22	7.80	45.28	130.96
490	32.36	66.40	4.25	7.89	45.17	131.02
491	32.45	67.94	4.12	7.89	44.49	130.93
492	32.50	68.97	4.01	7.80	42.71	130.82
493	32.55	73.61	3.91	7.80	40.06	130.82
494	32.64	81.86	3.87	7.80	36.60	130.97
495	32.69	91.65	3.88	7.72	32.87	131.24
496	32.77	104.02	3.89	7.37	29.88	131.56
497	32.83	112.61	3.98	7.19	27.87	131.98
498	32.91	119.13	4.21	7.10	26.94	132.40
499	32.96	122.91	4.38	6.93	26.76	132.78
500	33.01	123.17	4.53	6.84	27.29	133.04
501	33.07	118.88	4.68	6.75	28.83	133.18
502	33.15	109.43	4.82	6.75	32.17	133.01
503	33.24	87.78	4.71	6.75	36.00	132.60
504	33.28	81.08	4.48	6.75	40.20	131.87
505	33.34	71.12	4.13	6.75	42.85	131.13
506	33.42	63.65	3.85	7.19	45.88	130.36
507	33.47	58.15	3.67	7.89	47.72	129.79
508	33.56	57.55	3.52	8.86	48.02	129.53
509	33.60	60.04	3.54	9.38	45.27	129.60
510	33.70	69.83	3.54	10.44	42.37	129.81
511	33.74	73.10	3.55	10.70	40.03	130.08
512	33.84	75.07	3.67	9.91	40.07	130.28
513	33.88	72.41	3.80	9.56	40.79	130.73
514	33.98	75.07	4.20	10.17	42.78	131.10
515	34.02	69.92	4.39	10.44	43.37	131.54
516	34.07	75.07	4.51	10.96	42.58	131.80
517	34.13	82.80	4.54	11.14	39.87	132.02
518	34.21	88.30	4.43	10.87	38.38	132.18
519	34.27	87.01	4.60	10.35	38.98	132.18
520	34.35	79.11	4.59	10.00	41.08	132.12
521	34.39	74.99	4.56	9.82	43.47	131.89
522	34.49	70.95	4.48	10.61	44.76	131.68
523	34.57	70.18	4.39	11.58	45.22	131.54
524	34.58	71.21	4.39	12.01	44.09	131.61
525	34.67	77.39	4.49	12.37	41.43	131.93
526	34.73	88.64	4.61	11.93	38.38	132.47
527	34.81	97.92	4.91	10.87	36.40	133.05
528	34.86	100.93	5.21	10.87	35.51	133.54

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
529	34.95	104.36	5.36	10.87	33.86	133.81
530	34.99	116.99	5.18	10.87	29.52	134.03
531	35.08	147.74	4.96	11.66	24.38	134.25
532	35.12	174.71	4.93	11.93	18.56	134.68
533	35.18	233.72	4.89	11.58	14.55	135.05
534	35.27	264.21	4.76	10.79	11.43	135.28
535	35.30	294.79	4.61	9.91	9.13	135.14
536	35.40	331.12	4.09	9.03	7.52	134.89
537	35.44	339.62	3.96	9.03	6.42	134.61
538	35.50	349.59	3.92	8.95	6.09	134.71
539	35.59	361.01	4.14	8.95	5.95	134.98
540	35.63	368.06	4.30	8.86	6.02	135.43
541	35.70	374.93	4.59	8.86	6.12	135.78
542	35.78	378.96	4.71	8.77	6.23	136.06
543	35.86	379.82	4.77	8.68	5.73	135.61
544	35.91	382.49	3.72	8.68	4.33	133.89
545	35.96	382.14	1.93	8.59	2.79	131.51
546	36.05	380.08	1.88	8.51	1.89	129.77
547	36.10	379.22	2.14	8.33	2.39	130.66
548	36.19	376.99	2.71	8.24	3.05	131.74
549	36.23	376.04	2.96	8.16	3.67	132.89
550	36.33	391.33	3.44	7.10	4.12	133.61
551	36.37	381.46	3.63	7.10	4.64	134.27
552	36.42	372.01	3.92	7.10	4.35	133.50
553	36.52	366.34	2.41	7.01	3.22	131.56
554	36.56	366.81	1.34	7.01	1.61	128.43
555	36.62	366.81	1.26	7.01	0.96	126.91
556	36.69	367.28	1.47	7.01	1.37	128.11
557	36.77	379.39	2.05	7.19	2.12	130.00
558	36.84	385.23	2.63	7.28	2.87	131.72
559	36.89	391.59	3.05	7.19	3.54	133.03
560	36.95	395.20	3.53	7.19	4.24	134.12
561	37.03	390.39	4.09	7.19	4.94	135.01
562	37.07	387.38	4.44	7.19	5.63	135.73
563	37.15	389.44	4.81	7.01	6.07	136.20
564	37.21	388.50	4.97	7.19	6.39	136.52
565	37.30	386.35	5.08	7.10	6.54	136.64
566	37.35	387.81	5.07	7.19	6.58	136.65
567	37.44	386.01	4.99	7.10	6.53	136.56
568	37.49	383.86	4.90	7.10	6.49	136.40
569	37.53	380.00	4.78	7.10	6.45	136.17
570	37.63	372.87	4.61	7.10	6.63	136.01
571	37.67	359.47	4.70	7.10	7.12	135.89
572	37.77	337.82	4.73	7.01	7.79	135.88
573	37.81	328.63	4.78	6.93	8.59	135.78
574	37.91	305.61	4.75	6.84	9.27	135.63
575	37.99	292.30	4.68	6.75	10.05	135.41
576	38.04	278.04	4.61	6.75	10.60	135.22

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
577	38.09	270.65	4.59	6.75	11.74	135.07
578	38.12	237.24	4.69	7.37	12.77	135.20
579	38.22	245.66	5.06	7.01	13.79	135.40
580	38.27	245.49	5.17	6.93	14.03	135.76
581	38.36	245.49	5.37	6.84	14.38	135.99
582	38.41	245.31	5.58	6.84	14.77	136.24
583	38.45	244.45	5.73	6.84	15.64	136.43
584	38.54	227.02	5.95	7.01	16.46	136.54
585	38.59	225.99	5.98	6.75	17.53	136.45
586	38.68	211.47	5.81	6.49	18.01	136.26
587	38.73	207.18	5.67	6.40	18.79	135.92
588	38.78	193.78	5.48	6.31	19.66	135.47
589	38.87	175.91	5.12	6.14	21.15	134.81
590	38.92	155.30	4.74	5.96	23.15	133.93
591	39.01	133.31	4.30	5.88	25.57	133.12
592	39.05	120.68	4.19	5.79	29.95	132.19
593	39.14	85.64	3.91	5.61	35.00	131.36
594	39.19	75.84	3.67	5.61	38.47	130.40
595	39.26	83.29	3.24	5.44	41.11	129.30
596	39.33	57.03	2.80	5.44	42.71	128.23
597	39.37	56.09	2.62	5.44	47.13	126.90
598	39.46	52.65	2.22	5.44	46.92	126.15
599	39.51	51.36	2.14	5.44	46.34	125.48
600	39.59	52.48	2.06	5.53	44.83	125.54
601	39.65	58.49	2.19	5.70	40.54	125.82
602	39.74	70.78	2.15	5.88	33.03	126.29
603	39.78	96.03	2.01	6.14	25.52	127.20
604	39.84	127.90	2.42	6.58	19.30	128.94
605	39.92	178.06	3.09	6.58	16.45	130.81
606	39.97	194.29	3.52	6.67	14.95	132.73
607	40.06	223.84	4.46	6.67	14.72	134.07
608	40.12	234.40	4.91	6.23	14.22	135.15
609	40.16	254.16	5.14	6.23	13.40	135.78
610	40.25	280.19	5.36	6.23	12.58	136.19
611	40.30	285.94	5.46	6.31	11.87	136.56
612	40.39	302.69	5.64	6.31	11.56	136.78
613	40.44	306.81	5.71	6.31	11.22	137.00
614	40.49	314.29	5.79	6.23	11.09	137.16
615	40.57	318.32	5.92	6.23	11.02	137.28
616	40.63	319.61	5.98	6.23	11.06	137.28
617	40.71	318.41	5.99	6.14	11.07	137.28
618	40.76	316.69	5.87	6.14	11.20	137.26
619	40.85	306.38	5.78	6.05	11.48	137.12
620	40.90	297.88	5.79	5.96	11.88	137.02
621	40.95	293.59	5.79	5.88	12.57	137.00
622	41.04	275.89	5.93	5.79	13.92	137.01
623	41.13	246.09	6.18	5.53	15.46	136.88
624	41.18	234.58	5.91	5.53	16.78	136.60

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
625	41.22	223.15	5.67	5.53	17.86	136.22
626	41.31	200.82	5.66	5.53	19.21	135.99
627	41.36	193.00	5.75	5.53	21.44	135.92
628	41.46	172.99	6.00	5.61	23.33	135.94
629	41.50	166.29	6.07	5.61	25.11	135.98
630	41.56	164.32	6.18	5.53	26.00	136.03
631	41.62	160.62	6.27	5.53	27.27	136.03
632	41.67	147.57	6.31	5.44	29.64	135.87
633	41.76	128.58	6.28	5.44	33.66	135.51
634	41.81	106.42	6.17	5.44	38.71	134.74
635	41.90	86.32	5.43	5.61	44.52	133.71
636	41.95	71.89	4.99	5.70	49.70	132.34
637	42.02	60.73	4.24	6.05	56.73	131.19
638	42.13	53.00	4.00	7.19	57.74	130.50
639	42.17	61.37	4.02	7.72	58.39	130.34
640	42.22	57.03	4.07	9.65	56.35	130.52
641	42.27	62.02	4.08	10.70	49.31	130.84
642	42.36	83.92	4.08	11.93	43.28	131.22
643	42.41	90.27	4.08	11.66	37.80	131.71
644	42.50	102.13	4.27	11.75	35.60	132.14
645	42.55	107.02	4.48	11.84	34.07	132.65
646	42.59	112.01	4.71	11.40	30.52	133.42
647	42.65	151.00	5.06	8.68	27.82	134.17
648	42.73	155.81	5.39	7.54	25.72	134.84
649	42.79	158.13	5.58	7.54	26.00	135.13
650	42.87	155.64	5.67	7.54	26.85	135.20
651	42.92	145.85	5.67	7.54	27.09	135.22
652	42.98	155.47	5.65	7.54	26.37	135.23
653	43.06	166.29	5.56	7.54	24.17	135.36
654	43.11	183.73	5.52	7.98	21.15	135.58
655	43.21	218.00	5.53	7.89	18.68	135.83
656	43.24	229.68	5.53	7.63	16.31	136.11
657	43.35	257.85	5.54	7.10	14.79	136.30
658	43.39	274.43	5.54	7.10	13.45	136.69
659	43.48	296.33	5.95	7.01	12.97	137.17
660	43.53	302.43	6.38	7.01	12.89	137.28
661	43.57	312.05	6.82	6.93	12.77	137.28
662	43.67	341.94	7.46	8.86	12.69	137.28
663	43.71	335.24	7.49	8.51	12.69	137.28
664	43.80	323.05	7.25	8.07	12.91	137.28
665	43.85	317.38	6.94	7.89	12.75	137.28
666	43.94	317.55	6.42	7.63	11.75	137.28
667	44.00	315.92	4.95	7.45	10.24	136.32
668	44.04	317.72	4.09	7.45	9.41	135.61
669	44.12	319.18	4.98	7.28	9.81	136.02
670	44.18	319.44	5.75	7.28	11.46	137.10
671	44.23	300.71	6.56	7.10	12.06	137.28
672	44.30	354.23	7.39	8.33	12.73	137.28

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
673	44.40	340.83	8.00	8.07	12.68	137.28
674	44.44	336.62	7.83	7.98	13.15	137.28
675	44.49	329.75	7.48	7.80	12.94	137.28
676	44.58	323.13	6.78	7.72	12.45	137.28
677	44.63	323.91	6.27	7.63	11.64	137.28
678	44.72	325.62	5.64	7.45	10.92	137.23
679	44.77	326.66	5.46	7.54	10.13	136.80
680	44.86	337.91	5.19	7.54	9.63	136.61
681	44.88	341.26	5.14	7.54	8.95	136.36
682	44.95	349.50	4.82	7.54	7.83	135.68
683	45.02	361.96	3.73	7.63	5.79	133.95
684	45.09	370.29	2.16	7.72	4.66	132.93
685	45.18	375.87	3.36	7.80	4.69	133.12
686	45.22	372.09	3.95	7.80	6.14	135.08
687	45.28	384.03	5.02	7.89	6.75	136.66
688	45.34	442.27	6.03	8.51	7.52	137.28
689	45.43	431.70	7.16	8.33	8.14	137.28
690	45.48	424.49	7.65	8.33	9.20	137.28
691	45.57	415.90	8.03	8.07	9.43	137.28
692	45.62	416.93	7.29	8.07	8.98	137.28
693	45.68	410.92	6.05	8.51	7.91	137.28
694	45.75	411.52	5.23	8.51	6.41	136.67
695	45.80	406.88	3.63	8.42	5.90	136.07
696	45.89	407.18	4.88	8.33	6.20	136.33
697	45.94	407.18	5.75	8.33	7.67	137.28
698	46.02	407.48	6.87	8.33	9.29	137.28
699	46.07	360.33	7.31	8.33	10.65	137.28
700	46.15	346.24	6.95	8.16	9.69	137.04
701	46.21	330.01	2.31	7.98	7.71	134.53
702	46.26	319.96	2.66	7.89	5.70	131.56
703	46.33	303.81	3.09	7.63	7.26	132.62
704	46.39	291.78	3.69	7.54	9.56	133.89
705	46.49	268.08	4.67	7.37	10.90	135.24
706	46.55	313.26	5.38	7.45	12.68	136.33
707	46.59	274.26	5.99	7.28	14.67	137.12
708	46.68	233.98	6.74	7.19	18.71	137.28
709	46.72	202.80	7.04	6.93	24.21	137.28
710	46.81	150.40	7.28	6.58	29.67	137.08
711	46.86	135.03	7.11	6.88	35.56	136.52
712	46.94	117.76	6.78	6.84	37.68	136.10
713	47.00	120.17	6.61	7.28	39.12	135.78
714	47.05	115.61	6.58	7.63	39.68	135.57
715	47.14	109.09	6.40	7.98	38.99	134.95
716	47.19	113.29	5.14	9.21	32.83	133.65
717	47.28	143.19	3.24	11.93	23.59	132.37
718	47.33	188.62	3.23	16.14	15.56	131.64
719	47.42	241.79	3.19	20.17	11.93	132.29
720	47.45	270.31	3.45	19.56	10.02	133.21

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
721	47.51	302.00	4.01	14.91	8.63	134.96
722	47.59	402.50	5.29	21.48	7.91	136.76
723	47.65	430.93	6.19	9.91	8.05	137.28
724	47.70	397.86	6.82	9.91	9.26	137.28
725	47.78	378.28	7.45	9.56	10.09	137.28
726	47.85	413.41	7.65	9.38	10.08	137.28
727	47.94	415.64	7.38	8.95	9.43	137.28
728	47.99	418.22	7.07	8.77	9.00	137.28
729	48.03	423.63	6.85	8.77	8.57	137.28
730	48.12	425.78	6.59	8.77	8.11	137.28
731	48.17	436.43	6.42	8.77	7.44	137.28
732	48.25	457.21	6.07	8.86	6.74	137.28
733	48.30	469.75	5.93	8.95	6.08	137.28
734	48.36	482.64	5.81	8.95	5.45	137.28
735	48.45	492.17	5.21	9.12	4.94	137.28
736	48.49	485.13	4.92	9.12	4.36	136.81
737	48.58	481.44	4.21	8.95	3.52	135.51
738	48.63	484.18	2.91	9.03	3.65	135.64
739	48.73	479.63	5.14	8.86	3.84	135.89
740	48.77	479.80	4.64	8.86	3.63	136.24
741	48.82	543.80	3.36	9.12	2.27	134.49
742	48.91	519.40	2.25	9.82	1.38	133.07
743	48.96	505.14	2.79	9.82	1.93	133.49
744	49.05	485.13	3.97	9.12	3.01	134.86
745	49.10	476.02	4.22	9.12	3.88	135.85
746	49.15	476.15	4.47	9.12	4.31	136.35
747	49.25	476.28	4.88	9.12	4.65	136.78
748	49.30	473.88	5.05	9.12	5.02	137.13
749	49.39	465.37	5.21	8.86	5.21	137.20
750	49.43	463.23	5.08	8.77	5.25	137.10
751	49.48	461.25	4.88	8.59	4.97	136.71
752	49.56	460.78	4.44	8.33	4.64	136.25
753	49.62	461.42	4.21	8.33	7.20	135.59
754	49.71	460.31	3.71	8.16	6.71	134.96
755	49.75	461.59	3.42	8.16	6.26	134.39
756	49.85	465.29	3.35	8.16	6.04	134.13
757	49.89	465.37	3.33	8.16	4.16	131.11
758	49.94	461.51	0.00	8.16	2.26	125.93
759	50.00	416.84	0.00	7.89	N/A	87.36
760	50.10	449.14	0.00	7.80	N/A	87.36
761	50.14	452.32	0.00	7.72	N/A	87.36
762	50.21	453.86	0.00	7.72	N/A	87.36
763	50.27	451.80	0.00	7.63	N/A	87.36

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)

Abbreviations

Depth:	Depth from free surface, at which CPT was performed (ft)
q_c:	Measured cone resistance (tsf)
f_s:	Sleeve friction resistance (tsf)
u:	Pore pressure (tsf)
Fines content:	Percentage of fines in soil (%)
Unit weight:	Bulk soil unit weight (pcf)

Fenagh Engineering and Testing
9070 Center Avenue
Rancho Cucamonga, CA 91730
www.fenaghengineering.com

LIQUEFACTION ANALYSIS REPORT

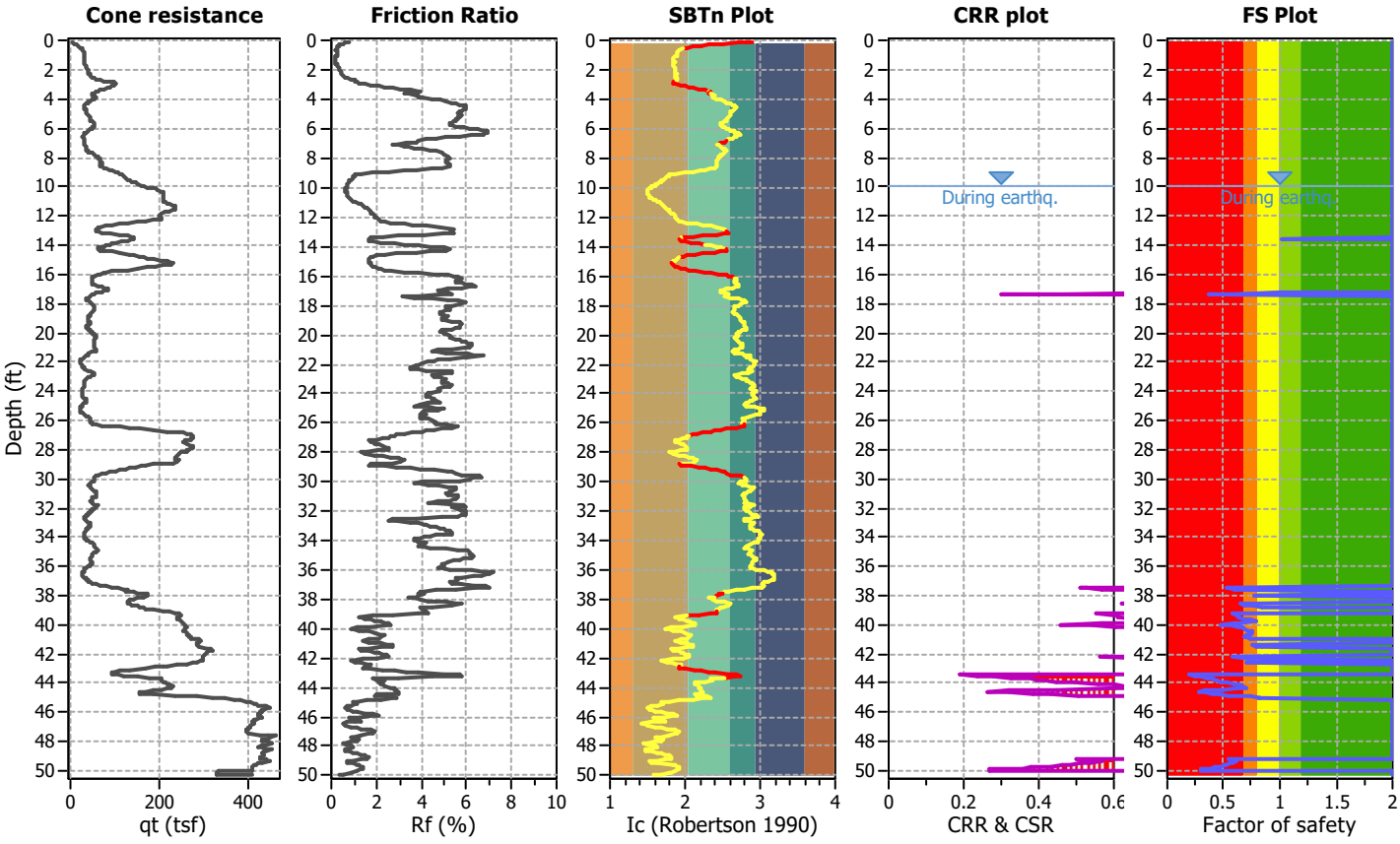
Project title : Centennial High School

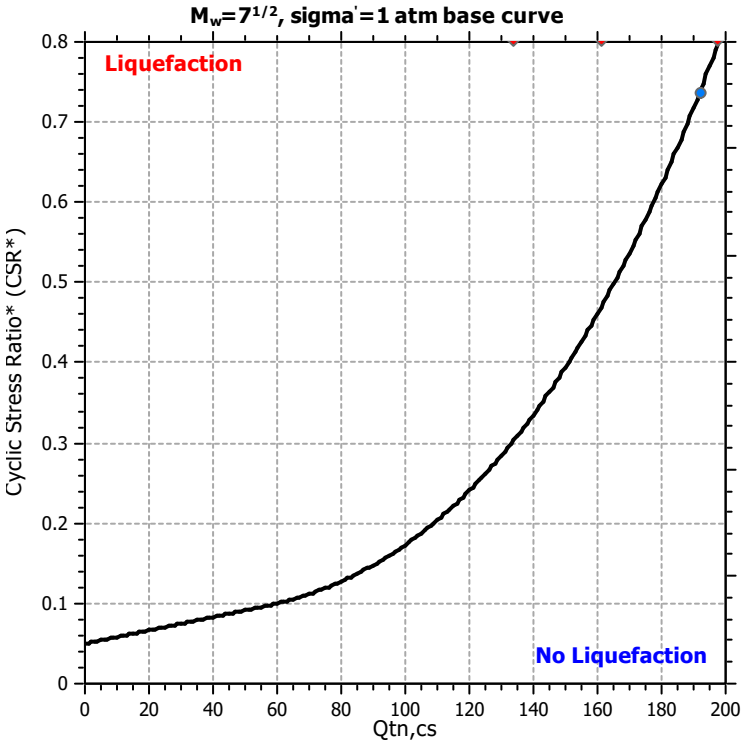
Location : 2606 N. Central Ave, Compton, CA 90222

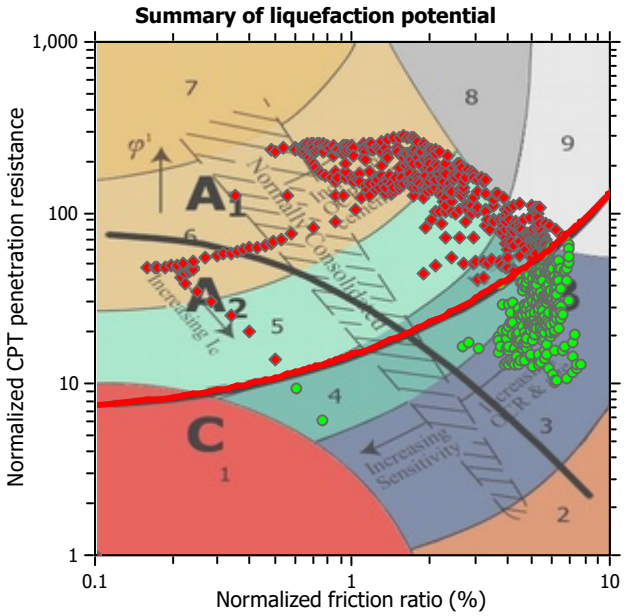
CPT file : CPT-20

Input parameters and analysis data

Analysis method:	NCEER (1998)	G.W.T. (in-situ):	50.00 ft	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	NCEER (1998)	G.W.T. (earthq.):	10.00 ft	Fill height:	N/A	Limit depth applied:	No
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	N/A
Earthquake magnitude M_w:	7.30	Ic cut-off value:	2.60	Trans. detect. applied:	Yes	MSF method:	Method based
Peak ground acceleration:	0.83	Unit weight calculation:	Based on SBT	K_σ applied:	Yes		

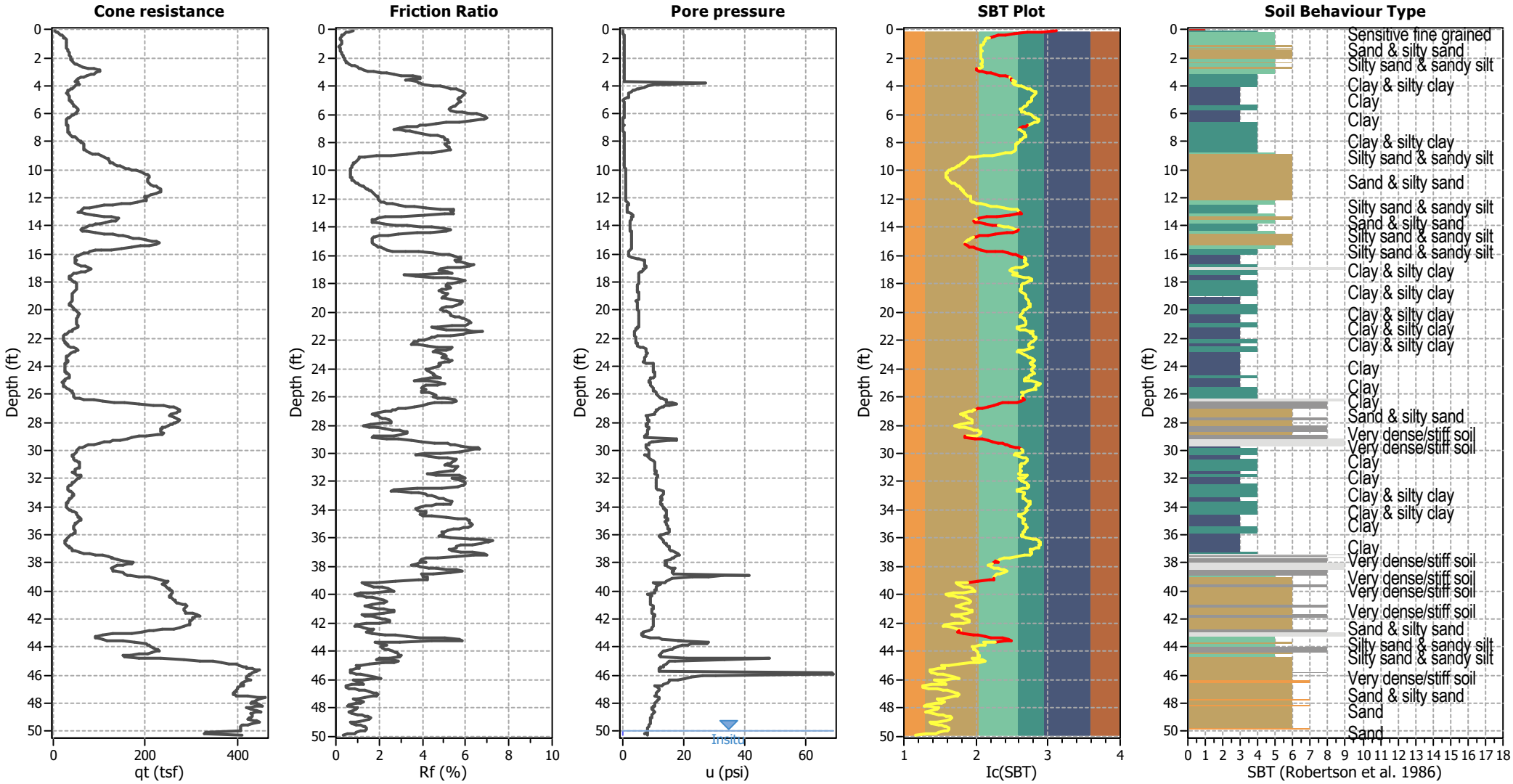






Zone A_1: Cyclic liquefaction likely depending on size and duration of cyclic loading
Zone A_2: Cyclic liquefaction and strength loss likely depending on loading and ground geometry
Zone B: Liquefaction and post-earthquake strength loss unlikely, check cyclic softening
Zone C: Cyclic liquefaction and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

CPT basic interpretation plots



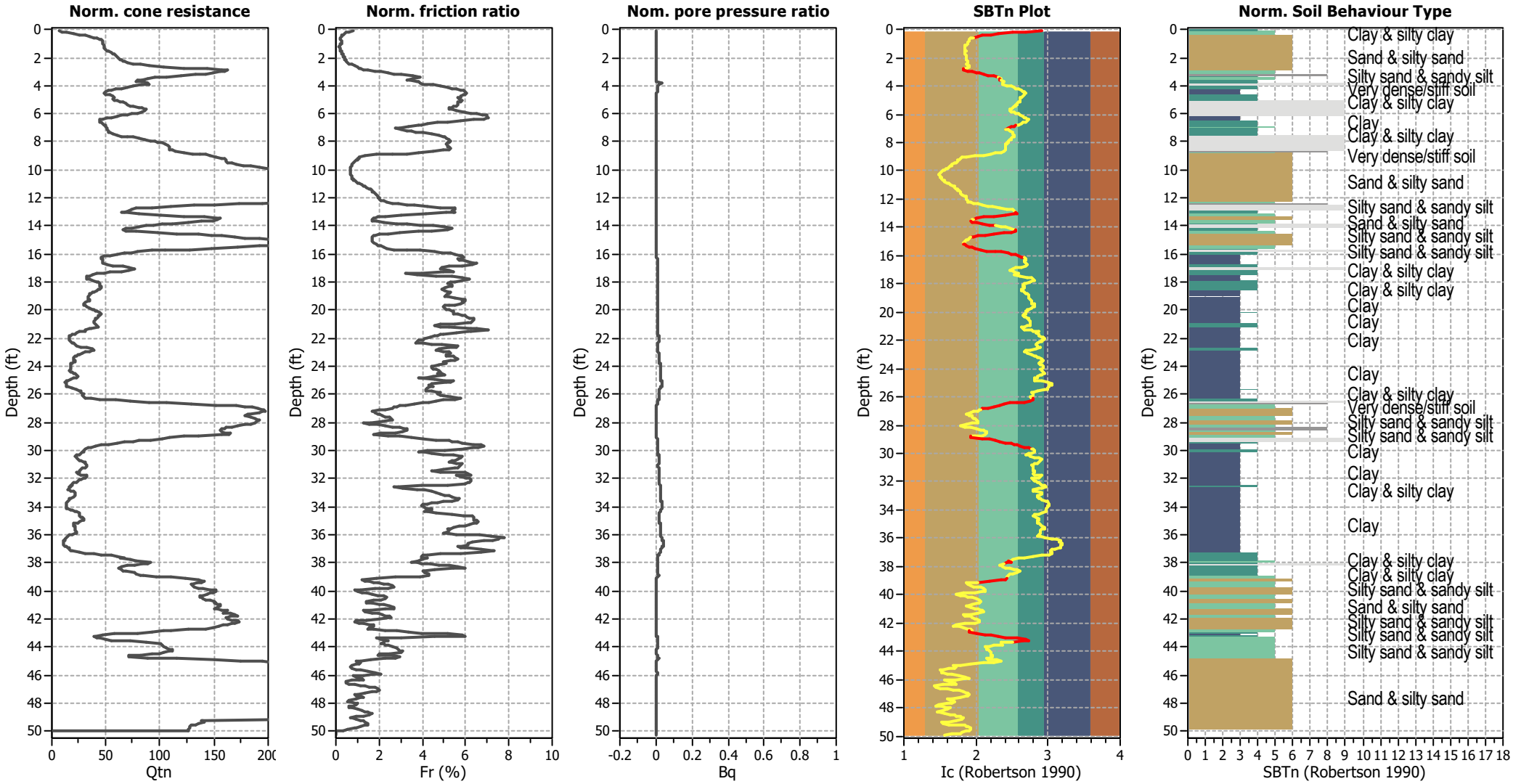
Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	7.30	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.83	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	50.00 ft	Fill height:	N/A	Limit depth:	N/A

SBT legend

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

CPT basic interpretation plots (normalized)



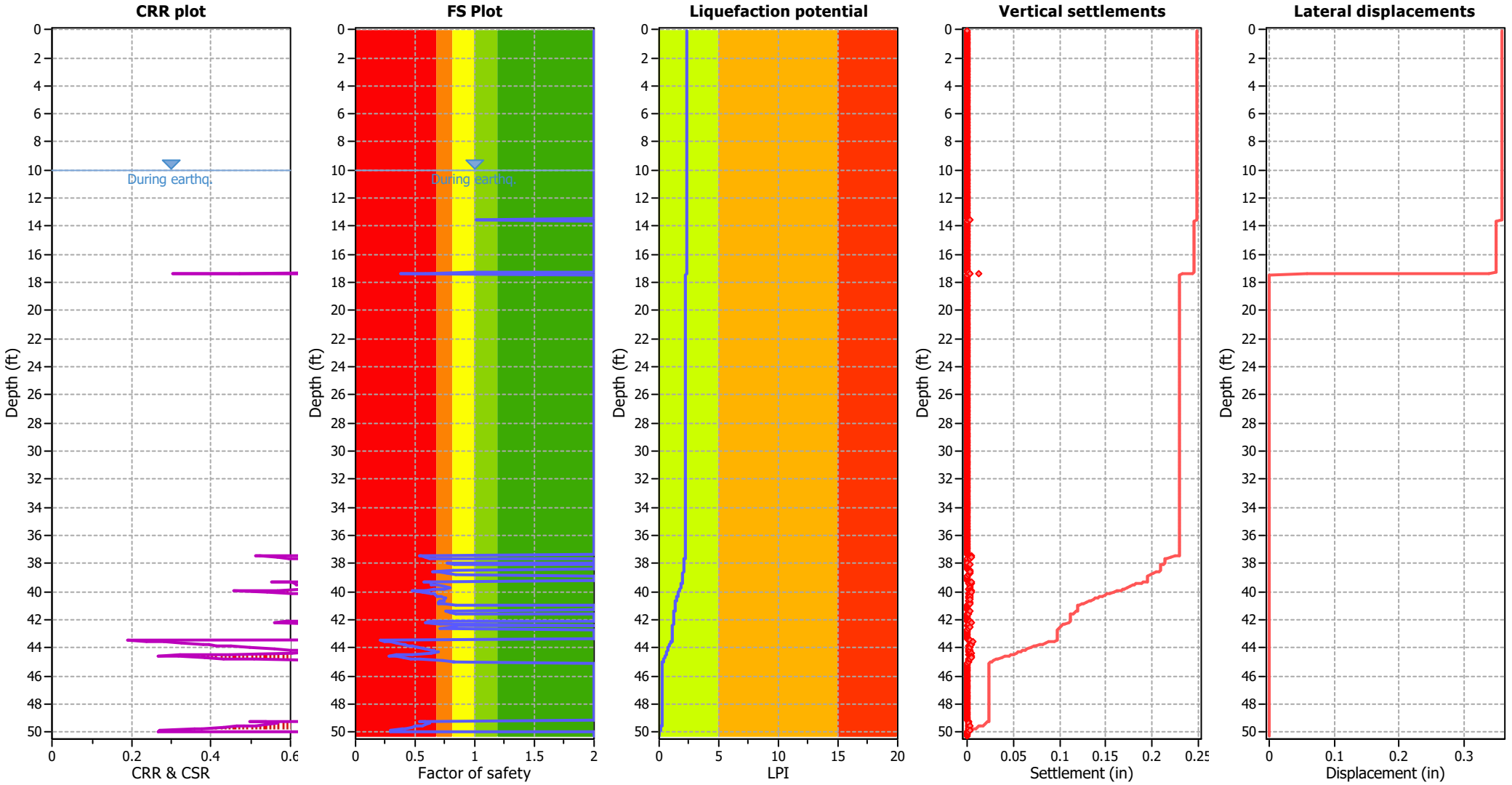
Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	7.30	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.83	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	50.00 ft	Fill height:	N/A	Limit depth:	N/A

SBTn legend

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

Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method:	NCEER (1998)	Depth to water table (erthq.):	10.00 ft	Fill weight:	N/A
Fines correction method:	NCEER (1998)	Average results interval:	3	Transition detect. applied:	Yes
Points to test:	Based on Ic value	Ic cut-off value:	2.60	K_σ applied:	Yes
Earthquake magnitude M_w:	7.30	Unit weight calculation:	Based on SBT	Clay like behavior applied:	Sands only
Peak ground acceleration:	0.83	Use fill:	No	Limit depth applied:	No
Depth to water table (insitu):	50.00 ft	Fill height:	N/A	Limit depth:	N/A

F.S. color scheme

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

LPI color scheme

- Very high risk
- High risk
- Low risk

:: Field input data ::

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
1	0.08	3.09	0.03	0.09	52.44	87.67
2	0.14	5.15	0.03	0.17	40.33	89.98
3	0.22	9.02	0.04	0.17	30.85	92.51
4	0.28	11.68	0.05	0.17	5.00	94.54
5	0.37	17.27	0.06	0.26	5.00	95.59
6	0.42	18.39	0.05	0.26	5.00	96.12
7	0.46	21.65	0.05	0.26	5.00	96.29
8	0.55	24.49	0.05	0.26	5.00	96.62
9	0.59	25.86	0.06	0.26	5.00	97.22
10	0.67	27.84	0.06	0.26	5.00	97.88
11	0.73	28.61	0.07	0.26	5.00	98.53
12	0.83	28.95	0.07	0.26	5.00	98.90
13	0.87	29.30	0.07	0.26	5.00	99.08
14	0.92	29.64	0.07	0.26	5.00	99.15
15	1.01	29.64	0.07	0.26	5.00	99.09
16	1.06	29.64	0.07	0.26	5.00	98.10
17	1.15	29.64	0.04	0.35	5.00	96.94
18	1.20	29.98	0.04	0.26	5.00	96.20
19	1.29	29.90	0.05	0.26	5.00	96.85
20	1.33	30.07	0.06	0.26	5.00	97.59
21	1.38	30.50	0.06	0.26	5.00	98.08
22	1.48	31.27	0.06	0.26	5.00	98.45
23	1.51	30.33	0.07	0.26	5.00	99.08
24	1.58	32.91	0.08	0.26	5.00	100.09
25	1.65	34.11	0.09	0.35	5.00	101.26
26	1.72	34.97	0.10	0.26	5.00	102.32
27	1.79	35.83	0.11	0.35	5.00	103.05
28	1.86	36.60	0.12	0.26	5.00	103.72
29	1.94	37.29	0.13	0.35	5.00	104.32
30	1.99	38.23	0.14	0.35	5.00	104.88
31	2.04	38.75	0.15	0.35	5.00	105.51
32	2.13	39.69	0.17	0.35	5.00	106.16
33	2.20	39.95	0.18	0.35	5.00	106.87
34	2.27	40.98	0.20	0.35	5.00	107.39
35	2.31	41.50	0.21	0.35	5.00	107.84
36	2.37	43.64	0.21	0.35	9.87	108.82
37	2.46	46.48	0.28	0.35	9.75	110.10
38	2.50	50.52	0.32	0.35	10.18	112.32
39	2.59	55.16	0.48	0.35	10.50	114.72
40	2.64	62.72	0.64	0.35	10.54	117.39
41	2.73	75.61	0.86	0.44	9.65	119.51
42	2.79	90.90	0.99	0.53	8.77	121.27
43	2.84	100.95	1.16	0.61	8.87	122.97
44	2.92	101.81	1.53	0.61	9.83	124.43
45	2.97	99.75	1.77	0.61	11.37	125.70
46	3.02	98.20	2.03	0.61	13.00	126.58
47	3.11	92.53	2.27	0.61	14.53	127.17
48	3.16	89.01	2.36	0.61	16.25	127.59

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
49	3.24	83.68	2.54	0.53	18.07	127.80
50	3.30	75.69	2.65	0.53	20.85	127.83
51	3.39	62.98	2.68	0.53	23.19	127.41
52	3.43	59.45	2.39	0.53	24.27	126.44
53	3.48	56.70	1.92	0.44	23.80	125.01
54	3.61	50.43	1.58	0.44	23.40	123.81
55	3.62	49.83	1.60	0.44	24.51	123.64
56	3.71	48.97	1.88	0.44	25.88	124.19
57	3.75	48.37	2.00	0.44	25.37	125.09
58	3.81	60.66	2.17	27.28	25.08	125.72
59	3.90	56.79	2.32	14.12	25.34	126.15
60	3.96	51.29	2.36	10.26	27.80	126.03
61	4.04	46.31	2.27	8.16	29.90	125.73
62	4.08	44.07	2.23	7.28	31.90	125.27
63	4.17	39.18	2.14	5.35	33.38	124.90
64	4.22	37.97	2.09	4.91	35.34	124.38
65	4.31	33.76	1.96	3.68	36.59	123.95
66	4.35	32.65	1.91	3.51	38.12	123.50
67	4.40	31.01	1.86	2.98	38.86	123.19
68	4.49	30.07	1.80	2.02	39.51	123.00
69	4.55	29.98	1.81	1.67	39.37	123.02
70	4.63	31.53	1.87	1.67	38.72	123.27
71	4.68	33.08	1.92	1.67	37.67	123.70
72	4.77	35.31	2.05	1.67	36.65	124.13
73	4.82	37.12	2.11	1.67	36.07	124.36
74	4.87	36.34	2.05	1.58	35.86	124.21
75	4.93	34.97	1.93	0.44	36.19	124.12
76	5.00	35.57	2.07	0.17	36.15	124.32
77	5.07	37.80	2.19	0.17	35.61	124.86
78	5.14	40.38	2.30	0.26	34.75	125.27
79	5.19	41.41	2.34	0.26	33.92	125.59
80	5.28	43.13	2.39	0.26	33.51	125.77
81	5.33	43.39	2.42	0.26	33.12	126.01
82	5.43	44.85	2.51	0.26	32.54	126.29
83	5.48	47.77	2.58	0.26	31.70	126.61
84	5.52	49.74	2.64	0.26	30.69	126.98
85	5.61	52.75	2.76	0.35	29.95	127.29
86	5.66	54.38	2.81	0.35	29.55	127.57
87	5.72	54.56	2.88	0.35	29.73	127.80
88	5.80	54.21	3.00	0.35	30.52	128.00
89	5.84	52.49	3.09	0.35	31.66	128.11
90	5.94	50.17	3.09	0.26	33.11	128.02
91	5.99	46.74	3.04	0.26	34.75	127.75
92	6.07	43.13	2.95	0.26	36.23	127.39
93	6.12	41.41	2.84	0.26	37.77	126.83
94	6.21	36.94	2.61	0.26	38.71	126.18
95	6.26	35.40	2.41	0.26	40.19	125.36
96	6.30	31.62	2.22	0.17	41.12	124.53

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
97	6.37	29.38	1.99	0.17	42.08	123.59
98	6.45	27.75	1.77	0.17	41.53	122.61
99	6.53	27.66	1.55	0.17	40.23	121.74
100	6.58	27.84	1.43	0.17	38.32	121.00
101	6.63	28.27	1.30	0.17	36.42	120.42
102	6.72	29.12	1.20	0.17	34.49	119.98
103	6.78	30.33	1.17	0.17	32.92	119.79
104	6.85	31.36	1.17	0.26	32.06	119.80
105	6.89	31.53	1.17	0.17	30.02	119.02
106	6.99	31.96	0.80	0.17	28.32	118.19
107	7.04	32.05	0.82	0.17	27.15	117.67
108	7.09	32.39	0.97	0.17	28.22	118.44
109	7.18	32.82	1.08	0.17	29.16	119.19
110	7.23	33.25	1.12	0.17	29.78	119.78
111	7.31	33.85	1.22	0.26	30.85	120.24
112	7.36	32.22	1.31	0.44	31.59	121.16
113	7.45	36.43	1.56	0.44	32.49	122.11
114	7.50	36.94	1.74	0.44	32.44	123.39
115	7.59	40.90	2.05	0.44	32.41	124.32
116	7.64	43.22	2.17	0.44	31.41	125.14
117	7.68	47.08	2.27	0.44	30.66	125.91
118	7.77	50.60	2.60	0.44	29.85	126.68
119	7.82	53.95	2.76	0.44	29.41	127.53
120	7.92	57.82	3.03	0.44	28.85	128.08
121	7.96	59.37	3.09	0.44	28.49	128.56
122	8.05	61.43	3.23	0.53	27.89	128.84
123	8.10	64.61	3.27	0.44	27.34	129.09
124	8.14	65.90	3.32	0.44	26.88	129.30
125	8.24	67.01	3.42	0.44	26.80	129.51
126	8.33	67.96	3.51	0.44	26.77	129.68
127	8.34	68.39	3.52	0.44	26.89	129.83
128	8.42	68.13	3.61	0.44	27.08	129.91
129	8.47	67.70	3.63	0.44	27.18	129.93
130	8.56	68.04	3.56	0.44	27.01	129.83
131	8.61	67.96	3.47	0.44	25.85	129.59
132	8.70	72.51	3.20	0.44	24.17	129.34
133	8.74	78.10	3.06	0.44	21.58	128.98
134	8.83	85.83	2.76	0.53	19.10	128.69
135	8.88	94.08	2.60	0.53	16.09	127.71
136	8.93	98.54	1.83	0.53	12.67	126.01
137	9.01	105.85	1.13	0.53	9.70	124.01
138	9.07	111.43	1.20	0.53	8.02	122.99
139	9.15	115.90	1.22	0.53	7.70	123.27
140	9.20	119.94	1.22	0.53	7.36	123.32
141	9.25	121.48	1.19	0.53	7.09	123.20
142	9.32	120.84	1.14	0.44	6.83	122.84
143	9.40	120.19	1.05	0.61	6.47	122.46
144	9.46	124.66	1.01	0.61	6.03	122.15

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
145	9.54	127.67	0.99	0.61	5.64	122.12
146	9.60	132.39	1.00	0.70	5.32	122.23
147	9.68	137.72	1.02	0.70	5.00	122.42
148	9.73	143.82	1.03	0.70	4.64	122.65
149	9.81	151.04	1.06	0.70	4.27	122.91
150	9.87	158.94	1.08	0.79	3.98	123.17
151	9.91	163.24	1.10	0.79	3.69	123.47
152	10.00	172.17	1.14	0.79	3.43	123.76
153	10.05	180.42	1.17	0.79	3.15	124.13
154	10.13	188.84	1.22	0.88	2.91	124.48
155	10.19	196.83	1.26	0.88	2.76	124.91
156	10.28	203.62	1.34	0.88	2.72	125.26
157	10.32	204.56	1.37	0.88	2.75	125.57
158	10.38	206.45	1.41	0.88	2.84	125.82
159	10.46	207.83	1.47	0.88	2.95	126.04
160	10.51	207.31	1.50	0.88	3.10	126.27
161	10.61	206.37	1.55	0.88	3.27	126.45
162	10.65	205.68	1.58	0.88	3.43	126.64
163	10.70	205.77	1.63	0.88	3.64	126.93
164	10.78	205.64	1.74	0.88	3.92	127.31
165	10.83	205.59	1.85	0.88	4.35	127.93
166	10.92	206.88	2.09	0.88	4.78	128.57
167	10.97	208.77	2.25	0.88	5.25	129.34
168	11.04	211.61	2.51	0.88	5.69	130.10
169	11.11	216.16	2.80	0.88	6.06	130.89
170	11.18	223.21	3.04	0.96	6.35	131.63
171	11.25	229.39	3.32	0.96	6.56	132.23
172	11.32	233.00	3.50	0.96	6.81	132.74
173	11.39	234.89	3.71	1.05	7.08	133.12
174	11.44	234.29	3.85	1.05	7.39	133.44
175	11.52	233.60	3.99	1.05	7.64	133.62
176	11.57	232.06	4.01	1.05	7.82	133.71
177	11.62	230.51	4.02	0.96	8.02	133.69
178	11.71	223.72	4.00	0.96	8.36	133.61
179	11.76	214.53	3.99	0.96	8.92	133.44
180	11.85	199.92	3.92	0.96	9.46	133.26
181	11.90	196.49	3.90	0.96	9.73	133.13
182	11.98	199.54	3.87	0.96	9.79	133.14
183	12.04	199.15	3.95	0.96	9.78	133.27
184	12.08	202.67	4.07	0.96	9.95	133.52
185	12.17	203.79	4.25	0.96	10.19	133.74
186	12.22	200.44	4.31	0.96	10.79	133.82
187	12.27	185.19	4.33	1.31	11.85	133.72
188	12.36	166.59	4.35	1.84	13.42	133.50
189	12.41	150.01	4.34	1.75	15.40	133.10
190	12.48	127.24	4.16	1.67	17.74	132.55
191	12.55	108.00	4.00	1.58	20.21	131.96
192	12.60	99.15	3.91	1.58	23.69	131.30

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
193	12.69	73.37	3.80	1.49	27.51	130.64
194	12.76	63.06	3.63	1.49	31.30	129.82
195	12.83	61.77	3.31	1.49	32.16	129.23
196	12.88	61.43	3.17	1.49	32.33	128.68
197	12.97	56.02	3.02	1.49	33.09	128.34
198	13.02	54.38	3.00	1.49	33.81	128.12
199	13.07	55.76	3.00	2.02	31.83	128.23
200	13.15	67.53	2.94	2.72	27.00	128.41
201	13.20	87.12	2.72	3.16	20.65	128.43
202	13.29	111.69	2.37	3.16	15.82	128.47
203	13.34	130.85	2.44	2.98	12.99	128.66
204	13.41	141.16	2.54	2.89	11.87	128.94
205	13.47	142.96	2.47	2.81	11.29	128.89
206	13.52	143.22	2.31	2.81	11.15	128.52
207	13.62	135.49	2.21	2.54	11.39	128.27
208	13.66	131.79	2.29	2.54	12.94	128.37
209	13.76	112.89	2.58	2.46	15.27	128.69
210	13.82	101.55	2.77	2.37	18.69	129.15
211	13.90	91.50	3.12	2.37	21.49	129.53
212	13.94	87.03	3.30	2.28	24.42	129.95
213	13.99	79.56	3.59	2.28	26.99	130.21
214	14.08	73.54	3.73	2.28	29.71	130.22
215	14.13	67.10	3.62	2.19	31.61	129.95
216	14.18	63.66	3.46	2.19	32.73	129.17
217	14.31	57.48	2.90	2.19	32.66	128.46
218	14.34	60.05	2.82	2.19	29.84	127.97
219	14.41	74.32	2.70	2.63	26.19	128.09
220	14.45	83.94	2.68	2.98	20.49	128.51
221	14.54	118.39	2.64	2.89	16.77	128.86
222	14.59	128.87	2.61	2.89	13.69	129.16
223	14.64	143.65	2.57	2.81	12.24	129.34
224	14.73	153.79	2.61	2.89	11.23	129.56
225	14.77	159.63	2.65	2.81	10.53	130.06
226	14.87	177.41	2.93	2.89	10.10	130.56
227	14.90	183.34	3.03	2.89	9.59	131.31
228	15.00	201.56	3.33	2.89	9.23	132.09
229	15.10	220.11	3.74	2.89	8.94	132.83
230	15.14	225.36	3.85	2.98	8.76	133.31
231	15.16	229.65	3.91	2.98	8.74	133.59
232	15.24	233.86	4.10	2.98	8.90	133.78
233	15.31	227.50	4.15	2.89	9.46	133.87
234	15.38	211.09	4.17	2.89	10.41	133.68
235	15.44	189.96	4.06	2.81	11.50	133.16
236	15.51	171.06	3.67	2.72	12.72	132.44
237	15.58	151.64	3.46	2.63	14.55	131.60
238	15.68	121.14	3.33	2.46	16.99	131.02
239	15.70	110.31	3.36	2.37	21.08	130.59
240	15.76	83.68	3.53	2.28	24.55	130.56

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
241	15.85	82.91	3.73	2.10	28.47	130.41
242	15.90	74.14	3.65	2.02	30.33	130.25
243	15.95	67.87	3.54	2.02	32.83	129.70
244	16.04	59.62	3.31	2.02	34.80	129.08
245	16.09	56.19	3.10	2.02	37.16	128.24
246	16.17	47.77	2.81	2.02	38.92	127.53
247	16.22	45.79	2.70	2.72	39.96	126.98
248	16.31	47.51	2.64	4.56	39.57	126.85
249	16.35	48.37	2.66	5.44	38.87	126.93
250	16.41	49.14	2.72	6.75	38.82	127.14
251	16.48	49.66	2.83	7.28	39.34	127.43
252	16.55	49.14	2.98	7.19	40.05	127.68
253	16.61	48.80	3.02	7.02	41.07	127.90
254	16.68	48.03	3.14	7.19	41.46	128.12
255	16.73	49.83	3.25	6.93	39.59	128.68
256	16.84	61.51	3.48	7.19	36.80	129.23
257	16.86	66.67	3.53	7.37	32.94	129.97
258	16.99	79.73	3.77	7.46	30.84	130.43
259	17.01	81.96	3.82	7.28	29.65	130.88
260	17.10	82.13	3.98	6.84	29.92	131.01
261	17.14	79.99	3.97	6.58	31.82	130.84
262	17.24	65.90	3.81	6.05	33.79	130.18
263	17.28	61.09	3.33	5.79	34.69	127.96
264	17.37	49.32	1.51	5.44	33.04	125.17
265	17.39	46.65	1.30	5.26	31.99	122.31
266	17.47	41.75	1.53	5.09	35.78	122.49
267	17.56	36.51	1.77	5.00	40.54	123.08
268	17.61	35.65	1.84	5.09	43.92	123.61
269	17.66	35.91	2.02	5.00	45.49	124.20
270	17.74	36.17	2.24	5.09	46.25	124.85
271	17.79	37.97	2.36	5.09	45.05	125.45
272	17.89	43.22	2.43	5.09	42.74	125.92
273	17.98	46.65	2.50	5.09	40.44	126.27
274	17.99	48.63	2.51	5.09	38.93	126.53
275	18.07	51.03	2.56	5.00	38.20	126.67
276	18.13	50.95	2.57	5.00	38.28	126.82
277	18.21	49.83	2.65	4.91	38.82	126.95
278	18.28	50.26	2.71	4.91	38.81	127.06
279	18.35	52.24	2.68	4.91	38.05	127.07
280	18.41	53.18	2.60	4.91	37.29	126.85
281	18.49	51.55	2.45	4.82	37.19	126.53
282	18.53	50.00	2.38	4.82	37.85	126.20
283	18.58	47.68	2.36	4.82	38.95	125.96
284	18.67	45.36	2.31	4.82	40.35	125.71
285	18.72	43.22	2.26	5.09	41.36	125.38
286	18.81	41.84	2.15	5.17	41.86	124.99
287	18.86	41.07	2.04	5.17	41.96	124.67
288	18.90	40.72	2.02	5.17	42.07	124.41

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
289	19.00	39.78	1.97	5.26	42.03	124.30
290	19.04	40.68	1.95	5.26	42.52	124.43
291	19.10	40.29	2.14	5.35	43.46	124.94
292	19.18	40.64	2.38	5.35	44.86	125.47
293	19.23	40.51	2.45	5.35	44.68	125.86
294	19.31	43.73	2.45	4.39	44.74	125.82
295	19.37	40.38	2.35	4.47	44.86	125.45
296	19.46	37.72	2.15	4.56	46.33	124.86
297	19.50	35.83	2.05	4.65	46.55	124.22
298	19.60	35.83	1.88	4.74	46.29	123.77
299	19.64	35.83	1.82	4.82	45.24	123.47
300	19.69	36.77	1.81	4.82	43.87	123.64
301	19.78	40.55	1.93	4.82	42.63	124.08
302	19.83	42.44	2.06	4.82	41.42	124.91
303	19.92	46.48	2.33	4.91	40.87	125.64
304	19.97	48.20	2.46	4.91	40.28	126.35
305	20.02	50.52	2.62	5.00	40.35	126.85
306	20.11	50.60	2.78	5.09	39.81	127.36
307	20.17	55.16	2.90	5.17	39.15	127.87
308	20.25	58.16	3.07	5.17	38.37	128.26
309	20.29	58.16	3.13	5.26	39.06	128.46
310	20.38	54.21	3.16	5.26	40.12	128.47
311	20.42	53.95	3.16	5.26	40.98	128.43
312	20.48	54.38	3.16	5.26	41.62	128.39
313	20.56	51.38	3.16	5.26	42.38	128.34
314	20.61	50.78	3.16	5.35	43.27	128.27
315	20.70	50.52	3.14	5.35	43.53	128.21
316	20.75	50.17	3.11	5.35	43.49	128.14
317	20.84	50.43	3.08	5.26	43.38	128.05
318	20.93	50.35	3.04	5.26	42.95	127.96
319	20.95	51.12	2.97	5.17	40.95	127.30
320	21.03	52.06	2.27	5.17	38.54	126.49
321	21.07	52.84	2.13	5.17	37.05	126.33
322	21.16	55.93	2.74	5.09	37.62	126.96
323	21.21	55.84	2.85	4.91	38.88	127.70
324	21.26	54.73	2.93	4.91	44.39	127.56
325	21.33	33.68	2.98	4.39	45.83	127.53
326	21.40	50.95	2.91	4.12	49.91	126.70
327	21.50	36.69	2.36	3.86	47.61	125.91
328	21.54	34.62	2.13	3.86	50.66	124.02
329	21.62	31.44	1.56	3.77	50.60	122.46
330	21.68	28.44	1.33	3.77	50.73	120.57
331	21.76	25.26	1.12	3.77	52.58	119.32
332	21.81	23.03	1.05	3.95	54.08	118.38
333	21.86	22.60	0.99	4.04	55.24	117.72
334	21.95	22.17	0.89	4.12	54.07	117.13
335	22.03	21.91	0.84	4.21	53.32	116.68
336	22.09	22.25	0.84	4.21	52.74	116.60

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
337	22.13	22.77	0.85	4.21	51.12	116.60
338	22.19	24.31	0.81	4.39	49.30	117.16
339	22.32	27.15	0.97	4.47	47.79	117.77
340	22.34	27.92	1.02	4.56	47.86	119.00
341	22.41	29.38	1.25	4.56	48.61	120.12
342	22.47	30.93	1.46	4.74	49.67	121.33
343	22.51	31.70	1.63	4.82	51.16	122.71
344	22.60	33.51	2.08	5.79	47.86	124.18
345	22.66	47.00	2.29	6.67	43.82	125.48
346	22.75	52.06	2.41	7.37	39.75	126.11
347	22.80	53.01	2.37	7.54	38.73	126.26
348	22.84	52.41	2.34	7.54	39.54	126.10
349	22.92	47.60	2.32	7.54	41.58	125.79
350	22.98	43.04	2.23	7.81	44.26	125.17
351	23.06	38.92	1.99	7.98	46.44	124.37
352	23.11	36.00	1.84	7.81	47.48	123.40
353	23.18	34.37	1.61	7.63	48.71	122.65
354	23.25	31.79	1.57	7.63	49.82	122.12
355	23.30	30.84	1.57	7.54	52.36	121.88
356	23.39	28.18	1.57	7.19	52.88	121.89
357	23.44	30.97	1.58	7.11	54.04	121.87
358	23.53	28.70	1.59	7.11	52.80	121.97
359	23.56	31.10	1.58	7.11	51.83	121.85
360	23.67	32.30	1.49	6.67	50.28	121.69
361	23.71	31.19	1.46	6.58	51.19	121.30
362	23.76	27.41	1.40	7.81	53.11	120.79
363	23.83	26.38	1.28	9.74	54.33	120.15
364	23.90	26.38	1.18	9.82	53.48	119.55
365	23.99	26.38	1.12	9.82	52.43	119.25
366	24.04	26.98	1.13	9.82	52.05	119.12
367	24.08	26.55	1.12	9.91	52.31	119.04
368	24.18	25.69	1.09	9.91	53.08	118.96
369	24.22	25.52	1.11	9.82	53.89	119.04
370	24.31	25.65	1.17	9.82	55.42	119.26
371	24.36	25.60	1.20	10.00	54.14	119.56
372	24.41	27.49	1.22	10.26	53.05	120.08
373	24.50	29.73	1.37	10.44	50.94	120.80
374	24.55	32.82	1.47	10.53	49.66	121.95
375	24.64	35.91	1.77	10.53	48.81	122.88
376	24.68	36.94	1.88	10.53	46.58	122.27
377	24.77	34.62	1.03	10.00	46.11	121.16
378	24.82	31.01	1.18	8.86	46.85	119.60
379	24.91	27.41	1.20	8.81	52.77	119.49
380	25.01	23.11	1.13	8.60	58.23	119.04
381	25.05	22.17	1.09	8.77	62.38	118.48
382	25.08	19.93	1.07	8.60	62.76	118.09
383	25.16	21.39	0.98	8.95	62.25	117.62
384	25.21	21.39	0.91	9.04	59.25	116.89

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
385	25.30	21.39	0.77	9.12	58.80	116.73
386	25.35	21.56	0.92	9.21	58.27	116.79
387	25.43	22.34	0.92	9.38	58.52	117.46
388	25.47	23.37	0.99	9.47	55.56	118.26
389	25.53	28.70	1.15	9.74	49.64	119.93
390	25.66	37.97	1.47	10.00	45.96	121.51
391	25.71	39.69	1.62	10.00	43.93	122.62
392	25.73	40.72	1.67	10.61	44.48	123.36
393	25.80	41.24	1.93	10.79	45.05	123.94
394	25.90	42.10	2.02	11.14	45.07	124.43
395	25.94	44.25	2.00	11.14	44.28	124.56
396	26.00	44.59	1.98	11.14	43.63	124.74
397	26.08	45.53	2.11	11.40	44.36	124.98
398	26.13	43.90	2.21	11.75	45.44	125.82
399	26.22	47.68	2.70	12.28	46.07	126.73
400	26.25	50.95	2.94	12.81	43.22	128.51
401	26.36	70.02	3.82	13.77	39.22	130.02
402	26.39	82.56	4.16	14.12	33.62	131.87
403	26.45	111.26	4.93	14.30	29.60	133.40
404	26.54	131.79	5.73	14.38	26.24	134.79
405	26.59	151.98	6.16	16.14	23.62	135.94
406	26.67	180.51	6.76	17.63	20.38	136.89
407	26.77	222.95	7.07	15.00	17.62	137.28
408	26.82	245.89	7.07	13.86	15.64	137.28
409	26.87	253.62	6.97	13.33	14.73	137.28
410	26.91	256.28	6.91	12.98	14.00	137.28
411	27.00	272.78	6.86	11.67	13.58	137.28
412	27.05	273.81	6.98	11.40	12.22	137.28
413	27.13	273.04	4.86	11.05	10.93	136.32
414	27.19	273.30	4.40	10.88	9.65	135.17
415	27.24	271.83	4.63	10.79	9.83	135.18
416	27.32	265.91	4.93	10.53	10.37	135.48
417	27.38	265.22	5.03	10.53	11.36	135.61
418	27.44	236.95	5.11	10.26	11.62	135.78
419	27.49	264.23	5.31	7.63	12.31	136.13
420	27.57	255.68	5.84	7.98	12.61	136.87
421	27.66	263.24	6.66	8.07	13.36	137.28
422	27.71	268.14	6.87	8.07	13.55	137.28
423	27.80	276.82	7.14	8.24	13.50	137.28
424	27.82	277.76	7.17	8.42	13.41	137.28
425	27.89	270.89	6.78	8.77	11.77	136.73
426	27.99	263.24	3.30	8.16	9.46	134.46
427	28.02	262.73	2.65	7.98	8.00	132.80
428	28.13	258.86	4.24	7.63	9.21	133.83
429	28.17	256.63	4.87	7.98	11.22	135.41
430	28.22	253.79	5.54	7.46	13.00	136.36
431	28.31	237.13	6.44	7.98	14.60	137.13
432	28.36	238.24	6.90	8.33	16.17	137.28

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
433	28.45	236.44	7.60	8.42	16.91	137.28
434	28.49	234.98	7.70	8.33	17.51	137.28
435	28.55	233.09	7.77	8.07	17.52	137.28
436	28.64	232.14	7.35	7.98	16.74	137.28
437	28.72	237.98	6.32	7.89	15.40	137.25
438	28.74	241.25	5.68	7.89	12.40	135.31
439	28.81	244.17	2.77	7.89	11.19	134.09
440	28.91	227.67	4.10	7.72	11.25	133.45
441	28.96	212.21	4.79	7.46	15.38	134.68
442	29.01	166.25	5.48	7.11	18.46	135.35
443	29.09	177.24	5.94	7.19	21.58	135.76
444	29.14	163.50	6.25	17.63	23.88	136.17
445	29.23	139.10	6.84	17.45	27.03	136.28
446	29.28	133.34	6.85	15.26	30.16	136.10
447	29.37	119.42	6.47	10.18	31.60	135.69
448	29.42	114.10	6.18	9.38	33.65	135.04
449	29.51	99.23	5.77	8.77	35.73	134.44
450	29.55	90.21	5.56	8.77	39.38	133.70
451	29.60	74.75	5.23	7.37	42.44	132.81
452	29.69	67.70	4.52	7.37	44.72	131.80
453	29.74	65.47	4.10	7.37	45.63	130.57
454	29.83	56.27	3.45	7.37	46.50	129.50
455	29.92	53.10	3.17	8.07	46.84	128.20
456	29.96	51.81	2.59	8.51	44.53	126.68
457	30.01	50.95	1.80	8.68	41.80	125.29
458	30.06	51.12	1.89	8.68	40.48	124.53
459	30.12	50.35	1.99	8.68	41.76	124.89
460	30.20	49.40	2.11	8.60	43.76	125.16
461	30.29	46.57	2.18	8.42	47.24	125.21
462	30.35	39.86	2.18	7.28	50.27	125.18
463	30.40	40.81	2.24	8.38	52.59	125.22
464	30.45	40.98	2.31	7.89	52.25	125.52
465	30.53	42.79	2.41	8.33	51.36	125.81
466	30.58	45.28	2.43	9.21	49.85	126.08
467	30.67	47.17	2.47	10.09	48.72	126.29
468	30.71	47.85	2.53	10.18	46.87	126.74
469	30.81	54.81	2.73	10.26	45.34	127.18
470	30.85	56.36	2.78	10.26	44.61	127.87
471	30.95	56.96	3.16	10.35	45.27	128.33
472	30.97	56.88	3.26	10.53	46.09	128.70
473	31.05	56.96	3.26	10.44	45.45	128.87
474	31.18	61.26	3.30	10.44	45.32	128.81
475	31.23	57.05	3.17	10.35	45.59	128.40
476	31.27	51.98	2.82	10.35	46.64	127.43
477	31.32	48.54	2.36	10.35	46.17	125.95
478	31.41	46.22	1.80	10.44	45.56	124.93
479	31.46	46.05	1.99	10.79	45.51	124.61
480	31.50	46.39	2.13	10.88	46.65	125.31

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
481	31.57	48.03	2.37	10.96	52.92	125.95
482	31.64	33.25	2.81	10.53	51.32	127.09
483	31.73	59.37	3.10	11.31	49.97	127.99
484	31.78	59.71	3.21	11.31	44.76	128.81
485	31.83	59.71	3.36	11.31	45.60	129.05
486	31.92	58.51	3.43	11.14	46.81	129.08
487	31.96	55.59	3.34	10.96	48.23	128.78
488	32.05	51.63	3.10	10.88	49.51	128.30
489	32.10	49.92	2.97	10.79	50.83	127.69
490	32.19	46.22	2.76	10.88	52.14	127.12
491	32.25	43.39	2.60	10.79	53.40	126.51
492	32.29	42.01	2.46	10.88	55.65	125.93
493	32.36	40.21	2.28	10.88	56.08	125.33
494	32.43	38.40	2.11	10.79	53.29	123.68
495	32.52	34.80	1.19	10.70	49.87	121.16
496	32.56	33.59	0.74	10.70	45.77	118.14
497	32.63	31.96	0.80	10.70	45.58	117.32
498	32.70	31.36	0.93	11.14	48.44	118.12
499	32.75	31.44	1.05	11.31	52.38	119.15
500	32.81	29.12	1.25	11.93	52.63	120.51
501	32.90	37.37	1.50	13.33	52.21	121.78
502	32.95	39.01	1.66	13.33	49.71	123.04
503	33.01	42.27	1.88	13.33	49.31	123.89
504	33.09	43.99	2.02	13.16	49.46	124.54
505	33.18	43.13	2.10	12.89	50.25	124.79
506	33.23	42.01	2.09	12.72	51.60	124.76
507	33.28	40.38	2.06	12.54	53.14	124.61
508	33.36	38.40	2.05	12.72	56.34	124.48
509	33.41	37.46	2.06	12.54	58.15	124.05
510	33.55	33.68	1.82	12.72	59.25	123.44
511	33.59	32.91	1.68	12.54	59.47	122.47
512	33.64	31.96	1.46	12.46	58.83	121.66
513	33.68	30.93	1.34	12.46	58.88	120.87
514	33.73	29.12	1.27	12.46	58.32	120.19
515	33.81	29.98	1.13	12.46	57.91	119.66
516	33.87	29.38	1.10	12.63	56.91	119.27
517	33.95	29.30	1.09	12.72	56.98	119.18
518	34.01	29.55	1.09	13.07	57.35	119.39
519	34.09	29.73	1.19	13.51	56.85	120.01
520	34.14	33.08	1.34	13.68	56.60	120.99
521	34.19	34.71	1.53	13.86	52.52	122.10
522	34.28	40.55	1.69	14.30	50.29	122.78
523	34.33	42.36	1.65	14.30	47.13	123.21
524	34.39	45.71	1.67	14.30	46.16	124.14
525	34.47	50.00	2.24	14.30	46.08	125.66
526	34.57	54.56	2.75	14.47	48.17	127.08
527	34.62	50.86	3.01	14.38	49.83	127.90
528	34.66	51.72	3.15	13.95	50.89	128.50

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
529	34.75	56.53	3.48	13.77	50.38	129.02
530	34.78	57.48	3.57	14.21	49.39	129.54
531	34.89	60.31	3.73	14.91	49.02	129.74
532	34.92	60.14	3.70	14.74	49.09	129.75
533	34.98	57.31	3.58	14.38	50.18	129.44
534	35.07	53.44	3.42	13.95	51.92	128.83
535	35.16	48.71	3.07	14.03	53.26	128.18
536	35.21	47.68	2.91	14.03	55.58	127.54
537	35.26	46.48	2.77	14.47	55.47	127.08
538	35.34	45.53	2.59	14.82	55.23	126.62
539	35.40	45.02	2.46	14.82	52.99	126.17
540	35.44	44.68	2.35	14.91	52.12	125.78
541	35.54	45.06	2.21	14.82	51.67	125.49
542	35.58	44.33	2.20	15.00	51.11	125.33
543	35.64	45.11	2.19	15.00	51.23	125.55
544	35.72	46.39	2.39	15.26	50.81	125.81
545	35.77	47.60	2.39	15.09	50.20	125.84
546	35.85	47.17	2.18	14.65	49.47	125.60
547	35.90	46.82	2.16	14.30	51.13	125.42
548	35.99	41.67	2.33	12.63	55.83	125.46
549	36.03	39.86	2.34	12.28	62.44	125.28
550	36.10	30.07	2.31	12.10	66.34	125.03
551	36.16	32.56	2.29	12.19	70.31	124.70
552	36.24	31.27	2.23	12.46	69.76	124.46
553	36.31	29.90	2.10	12.98	70.86	123.90
554	36.38	28.18	1.89	13.07	71.89	123.08
555	36.43	26.12	1.68	13.16	72.56	121.96
556	36.51	24.40	1.41	13.16	71.58	121.09
557	36.58	26.16	1.37	13.77	71.37	120.66
558	36.65	24.83	1.45	14.21	70.81	120.92
559	36.70	26.20	1.53	14.47	68.84	121.59
560	36.79	31.62	1.68	14.91	65.44	122.29
561	36.82	33.33	1.75	15.00	62.02	123.09
562	36.88	36.34	1.91	15.00	60.98	123.91
563	36.96	38.23	2.19	15.00	60.93	124.89
564	37.02	39.26	2.47	15.26	61.53	126.16
565	37.12	42.96	3.01	15.88	61.74	127.26
566	37.16	45.19	3.26	16.14	59.89	128.35
567	37.23	52.15	3.56	16.93	52.47	129.40
568	37.34	69.42	3.90	17.98	45.91	130.07
569	37.37	77.24	3.62	18.24	39.21	130.64
570	37.43	93.05	3.73	18.59	34.64	131.19
571	37.49	107.57	4.19	18.07	31.45	132.25
572	37.57	122.00	4.78	16.93	29.88	133.22
573	37.62	128.10	5.05	16.67	28.51	133.95
574	37.67	139.10	5.23	16.23	30.14	134.16
575	37.75	108.68	5.40	15.70	27.56	134.65
576	37.82	170.46	5.55	13.95	26.20	135.24

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
577	37.92	173.29	6.14	14.03	23.38	135.93
578	37.94	173.98	6.25	14.03	24.18	136.43
579	38.03	172.95	6.80	13.95	25.20	136.70
580	38.09	165.39	6.97	14.03	27.17	136.88
581	38.16	148.63	7.09	13.86	29.39	136.84
582	38.21	140.73	7.17	14.03	32.06	136.73
583	38.26	129.56	7.24	14.56	34.34	136.71
584	38.34	123.12	7.49	15.53	35.62	136.81
585	38.40	130.29	7.65	16.93	34.18	136.09
586	38.49	127.33	5.20	16.84	31.17	135.07
587	38.54	131.02	4.72	16.05	29.12	134.22
588	38.63	133.25	5.68	16.75	28.83	134.76
589	38.72	144.25	6.17	16.23	27.56	135.72
590	38.78	172.78	6.44	16.67	27.70	136.26
591	38.86	146.23	6.88	41.31	27.33	136.76
592	38.94	164.27	7.25	32.89	26.96	137.12
593	38.99	189.87	7.25	28.07	24.18	137.28
594	39.04	205.51	7.13	22.98	18.60	135.92
595	39.13	224.50	2.51	16.05	13.88	133.83
596	39.18	234.72	2.75	15.00	9.66	131.23
597	39.27	245.20	3.27	14.38	10.10	132.20
598	39.32	248.12	3.61	14.12	11.09	133.42
599	39.41	249.84	4.43	13.68	12.23	134.29
600	39.45	242.37	4.71	10.18	13.59	135.04
601	39.50	234.81	5.06	11.05	14.80	135.62
602	39.57	236.61	5.69	12.19	15.88	136.34
603	39.64	241.16	6.32	11.40	16.54	137.05
604	39.74	247.44	6.68	11.05	16.72	137.28
605	39.79	248.98	6.58	10.88	15.62	136.88
606	39.83	250.18	4.85	10.88	12.38	134.64
607	39.92	253.88	1.87	10.70	8.74	131.58
608	39.97	256.89	2.00	10.53	6.67	129.51
609	40.06	258.43	2.67	10.44	7.70	130.77
610	40.11	258.43	3.09	10.35	9.04	132.20
611	40.16	259.64	3.66	10.35	10.22	133.26
612	40.23	256.89	4.15	7.89	11.75	134.47
613	40.31	254.14	5.07	9.30	13.20	135.45
614	40.37	252.59	5.56	9.30	14.50	136.33
615	40.45	253.62	6.06	9.21	15.09	136.76
616	40.49	255.08	6.07	9.21	15.09	136.89
617	40.59	258.95	5.82	9.21	14.52	136.63
618	40.63	261.10	5.39	9.21	13.65	136.20
619	40.69	264.79	5.00	9.21	11.74	134.86
620	40.78	266.16	3.08	9.12	10.10	133.60
621	40.82	267.80	3.22	9.12	9.77	133.43
622	40.91	271.32	4.71	9.12	11.24	134.85
623	40.96	273.21	5.40	9.12	12.63	136.46
624	41.02	293.74	6.34	9.12	13.57	137.28

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
625	41.08	292.45	7.19	9.74	14.55	137.28
626	41.14	286.96	7.88	10.00	15.61	137.28
627	41.24	284.12	8.06	9.74	15.78	137.28
628	41.29	283.69	7.09	9.65	13.83	137.28
629	41.38	282.66	3.85	9.65	10.85	135.26
630	41.43	285.84	2.94	9.56	8.60	133.26
631	41.48	286.18	3.76	9.56	9.30	134.01
632	41.56	287.39	4.98	9.56	11.07	135.60
633	41.61	287.82	5.75	9.47	11.78	137.03
634	41.68	333.52	6.58	10.26	12.56	137.28
635	41.76	314.96	7.49	10.26	13.11	137.28
636	41.81	309.64	7.76	10.18	14.20	137.28
637	41.90	306.11	7.75	10.09	14.50	137.28
638	41.95	303.88	7.64	10.09	14.23	137.28
639	42.00	301.05	6.78	9.91	12.41	137.28
640	42.07	299.41	3.82	9.82	9.24	134.62
641	42.14	297.09	1.89	9.82	6.44	131.65
642	42.22	296.66	2.63	9.74	5.90	130.95
643	42.26	296.62	3.07	9.74	7.28	132.51
644	42.32	296.62	3.71	9.74	8.74	133.98
645	42.41	296.58	4.71	9.74	10.16	135.26
646	42.46	295.98	5.27	9.74	11.24	135.92
647	42.55	283.26	5.06	9.74	11.39	135.63
648	42.59	275.36	4.26	9.65	10.73	134.37
649	42.69	260.15	3.14	9.47	10.62	133.50
650	42.74	246.75	3.83	9.30	12.90	133.84
651	42.83	206.88	5.17	8.68	16.80	135.05
652	42.87	194.60	5.77	8.68	19.49	136.12
653	42.93	222.86	6.39	6.75	22.64	136.54
654	43.03	155.68	6.71	6.49	26.54	136.57
655	43.08	128.10	6.64	6.32	34.37	135.90
656	43.13	106.19	6.30	6.23	39.48	135.01
657	43.21	91.24	5.54	6.84	42.20	134.03
658	43.26	91.16	4.99	7.19	38.29	131.52
659	43.35	91.07	1.62	8.86	31.48	128.75
660	43.40	96.91	1.66	11.93	24.54	125.54
661	43.45	100.61	1.99	12.81	24.53	127.39
662	43.54	120.88	2.91	19.30	24.82	129.34
663	43.59	129.73	3.39	17.98	21.00	131.52
664	43.66	200.87	3.97	27.98	18.54	132.77
665	43.71	200.61	4.19	27.45	16.64	133.68
666	43.80	202.50	4.38	22.45	17.08	134.03
667	43.85	203.45	4.58	21.14	17.43	134.42
668	43.90	206.54	4.86	19.39	18.07	135.04
669	43.98	210.32	5.54	17.98	18.70	135.75
670	44.04	215.73	6.00	16.67	19.22	136.50
671	44.13	223.72	6.46	16.14	19.29	136.95
672	44.17	227.67	6.53	15.44	19.19	137.24

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
673	44.27	230.42	6.62	13.77	19.19	137.28
674	44.30	228.28	6.68	13.51	19.96	137.28
675	44.40	216.59	7.16	12.89	20.23	137.00
676	44.45	202.67	5.45	12.54	18.65	135.09
677	44.49	192.11	2.55	12.37	17.15	132.69
678	44.57	167.28	3.22	12.54	17.84	131.26
679	44.63	144.68	3.80	11.75	22.46	132.48
680	44.73	145.88	4.65	12.54	24.01	133.54
681	44.77	172.17	4.98	20.79	20.70	134.90
682	44.85	243.05	5.55	48.16	16.11	135.65
683	44.89	284.29	5.09	33.16	10.90	134.99
684	44.98	325.96	2.72	16.93	7.63	133.84
685	45.03	345.55	3.18	15.26	5.75	133.14
686	45.09	364.54	3.83	14.82	6.48	134.88
687	45.18	384.21	5.11	14.30	6.15	135.19
688	45.23	391.69	3.54	14.03	4.78	134.21
689	45.31	410.59	2.13	13.24	3.48	132.62
690	45.37	408.27	2.95	13.16	2.96	132.09
691	45.42	414.37	2.88	12.54	3.18	132.72
692	45.51	429.66	2.80	12.46	3.26	132.90
693	45.55	413.08	3.15	12.02	3.48	133.77
694	45.61	452.34	3.90	11.97	4.47	135.40
695	45.67	444.95	5.21	12.10	5.63	137.19
696	45.74	442.46	6.43	11.93	7.42	137.28
697	45.82	437.26	7.95	68.50	9.17	137.28
698	45.89	415.66	9.01	68.86	10.50	137.28
699	45.93	432.07	9.84	63.42	8.91	137.28
700	46.01	424.25	3.07	30.26	6.49	137.28
701	46.07	422.53	3.23	26.23	3.92	134.01
702	46.16	419.78	3.96	22.28	4.79	135.14
703	46.21	416.95	4.80	20.52	6.29	136.85
704	46.30	420.73	6.39	18.16	6.60	137.28
705	46.34	440.23	5.11	15.00	5.51	136.29
706	46.39	421.67	2.46	15.35	3.43	133.37
707	46.48	414.80	1.81	15.09	1.85	130.13
708	46.53	414.37	1.79	14.65	2.01	130.18
709	46.61	403.20	2.53	13.51	2.98	131.85
710	46.67	404.66	3.39	13.24	4.41	134.30
711	46.76	431.29	4.83	12.81	5.85	136.07
712	46.80	402.04	5.47	10.53	7.28	137.28
713	46.86	399.42	6.36	11.31	8.57	137.28
714	46.92	403.20	7.03	11.49	9.62	137.28
715	47.01	400.45	7.93	11.75	10.29	137.28
716	47.05	399.25	8.01	11.75	10.63	137.28
717	47.15	395.72	7.63	11.40	10.25	137.28
718	47.19	393.49	6.70	11.40	9.40	137.28
719	47.28	391.09	5.69	11.14	7.64	137.06
720	47.33	391.86	3.56	11.05	5.59	134.89

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)
721	47.38	392.89	2.60	10.70	4.50	133.53
722	47.45	394.87	3.68	10.70	5.00	134.33
723	47.52	399.50	4.67	10.61	5.73	136.29
724	47.58	475.71	5.64	12.02	6.27	137.28
725	47.64	456.47	6.24	11.84	5.60	137.28
726	47.72	447.36	4.12	11.84	4.35	135.47
727	47.81	437.82	1.91	11.40	2.68	132.56
728	47.86	434.90	2.26	11.05	2.08	131.21
729	47.91	429.57	2.75	10.70	3.12	132.93
730	47.99	427.08	3.78	10.26	4.25	134.53
731	48.04	423.99	4.44	10.26	4.98	136.01
732	48.10	468.84	5.08	10.26	4.53	135.73
733	48.18	452.69	3.20	10.35	3.50	134.39
734	48.26	436.96	2.27	9.91	2.45	132.09
735	48.31	428.20	2.33	9.82	2.60	131.89
736	48.36	418.41	3.05	9.65	3.80	133.50
737	48.46	409.56	4.21	9.30	4.96	135.58
738	48.53	461.79	5.38	10.18	6.05	137.19
739	48.58	448.22	6.03	10.35	6.78	137.28
740	48.63	439.28	6.62	10.26	7.79	137.28
741	48.72	429.66	7.08	9.91	8.41	137.28
742	48.76	429.40	7.07	9.82	8.63	137.28
743	48.86	430.69	6.93	9.56	8.22	137.28
744	48.90	432.84	6.10	9.47	6.76	137.28
745	48.97	433.10	3.63	9.38	4.68	135.23
746	49.05	428.72	2.29	9.30	3.13	132.82
747	49.08	427.26	2.74	9.21	3.53	133.33
748	49.18	422.70	4.28	9.21	4.87	135.11
749	49.23	416.86	4.89	9.21	9.06	136.75
750	49.29	467.55	5.58	9.21	9.70	137.28
751	49.36	440.66	6.14	9.12	10.13	137.28
752	49.43	433.61	6.31	9.04	10.92	137.28
753	49.52	417.72	6.10	8.68	11.11	137.28
754	49.57	412.65	5.77	8.60	11.04	137.28
755	49.61	409.90	5.46	8.51	10.70	137.28
756	49.68	407.58	5.05	8.33	9.76	136.25
757	49.75	405.35	3.58	8.24	8.25	134.48
758	49.81	405.43	2.46	8.24	7.84	133.94
759	49.88	406.29	4.26	8.16	5.63	130.82
760	49.95	405.43	0.00	8.16	3.85	127.49
761	50.01	406.12	0.00	8.16	N/A	87.36
762	50.07	408.87	0.00	8.16	N/A	87.36
763	50.15	173.55	0.00	7.19	N/A	87.36
764	50.22	399.42	0.00	8.24	N/A	87.36
765	50.28	412.91	0.00	8.24	N/A	87.36

:: Field input data :: (continued)

Point ID	Depth (ft)	q_c (tsf)	f_s (tsf)	u (tsf)	Fines content (%)	Unit weight (pcf)

Abbreviations

Depth:	Depth from free surface, at which CPT was performed (ft)
q_c:	Measured cone resistance (tsf)
f_s:	Sleeve friction resistance (tsf)
u:	Pore pressure (tsf)
Fines content:	Percentage of fines in soil (%)
Unit weight:	Bulk soil unit weight (pcf)

APPENDIX D
GEOHAZARDS ASSESSMENT REPORT

Geologic hazards relevant to the proposed development and in general accordance with Note 48 of the State of California Checklist for the Review of Engineering Geology and Seismology Reports for California Public Schools, Hospitals, and Essential Services Buildings (CGS, 2022) are addressed in this appendix.

4.1 SEISMIC HAZARDS

Seismic hazards considered for this investigation include the potential for ground rupture due to faulting, seismic ground shaking, liquefaction, lateral spreading, dynamic dry settlement, tsunamis and seiches, and historical seismicity are discussed below. Other geologic hazards including flooding and dam inundation, slope stability and landslides, subsidence due to flood withdrawal, undocumented fills, expansive soils, hydro-consolidation, methane, and other potential hazards are discussed in the following sections.

4.1.1 Faulting and Ground Rupture

Based on a review of available published geologic maps and reports, Holocene-active faults have not been mapped at (or trending toward) the project site. Therefore, the probability of damage from surface ground rupture is considered to be low. However, the site may be subject to ground shaking induced lurching or cracking of the ground surface due to nearby seismic events.

Per the California Geological Survey (CGS, 2025a), there are several known Holocene-active or age-undetermined faults within several miles of the site. Plate 7 shows the approximate location of these faults with respect to the site. These faults are (from closest to farthest):

1. The Inglewood strand of the Newport-Inglewood fault is approximately 1 mile west of the site. According to the CGS (2025) the Newport-Inglewood fault is a left-lateral strike-slip fault with evidence of surface rupture during the Holocene.
2. The Cherry Hill strand of the Newport-Inglewood fault is approximately 6.5 miles south-southeast of the site. According to the CGS (2025) the Newport-Inglewood fault is a left-lateral strike-slip fault with evidence of surface rupture during the Holocene.
3. The Whittier fault, a strand of the Elsinore Fault zone, is approximately 15 miles east-northeast of the site. According to the CGS (2025) the Whittier fault has experienced activity during the Holocene. It is a right-lateral strike slip fault with evidence of reverse slip.
4. The Charnock fault is approximately six miles west of the site. According to the CGS (2025) this fault is concealed and has evidence of late Quaternary activity.
5. The Los Alamitos fault is nearly nine miles southwest of the site. According to the CGS (2025) this fault is concealed and has evidence of late Quaternary activity.

4.1.2 Liquefaction

Soil liquefaction results from loss of strength during cyclic loading, such as imposed by earthquakes. Soils most susceptible to liquefaction are clean, loose, saturated, poorly graded sand below the groundwater table. Empirical evidence indicates that low plasticity silt and clay are also potentially liquefiable, though this phenomenon is commonly referred to as cyclic softening. When seismic ground shaking occurs, the soil is subjected to cyclic shear stresses that can cause excess hydrostatic pressures to develop. This can lead to liquefaction settlement distress observed at the ground surface.

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Liquefaction susceptibility determination for a site is based on groundwater depth records, soil type and distance to a fault capable of producing a substantial earthquake. As shown on Plate 8, the site is mapped as being within a liquefaction hazard zone as defined by the California Geological Survey (CGS, 2025b).

A site-specific liquefaction assessment was performed following the Recommended Procedures for Implementation of the California Geological Survey Special Publication 117A, Guidelines for Analyzing and Mitigating Seismic Hazards in California (CGS, 2008), and the EERI Monograph (MNO-12) by Idriss and Boulanger (2008) for SPT blowcount measurements obtained during boring excavations. This semi-empirical method is based on a correlation between measured values of Standard Penetration Test (SPT) resistance and field performance data. The "Empirical Estimation of Liquefaction Potential" presented is based on Standard Penetration Test (SPT) and laboratory data from onsite borings which extended to a depth of approximately 51-1/2 feet bgs. CPT Liquefaction analysis was implemented using Cliq (v.3.5.2.22) in accordance with CGS Survey Publication 117A and Robertson (NCEER R&W 1998, 2009).

Perched groundwater was encountered during site exploration in the following boring excavations: B-1 at 45 feet, B-3 at 43 feet, B-8 at 45 feet, B-10 at 47 feet, and B-11 at 47 feet bgs. Several boring excavations which extended to a maximum explored depth of 51-1/2 feet did not encounter perched groundwater. According to the Seismic Hazard Zone Report of Inglewood 7½-Minute Quadrangle, Report 027 and South Gate 7½-Minute Quadrangle, Report 034, the historically high groundwater level for the project site is estimated at 10 feet below ground surface as indicated on Plate 6. A groundwater level of 10 feet bgs was conservatively utilized in the enclosed liquefaction analyses (Appendix C).

The liquefaction analysis considers a historically high groundwater depth of 10 feet, a moment magnitude of 7.3 and a PGA_M of 0.83 based on the site-specific ground motion analysis and Site Class D ("Stiff Soil" Profile) classification. These parameters were used in the enclosed SPT borings and CPT sounding liquefaction analyses with a minimum factor of safety of 1.3 for triggering.

Standard Penetration Test (SPT) data were collected at 5-foot intervals. Samples of the collected materials were conveyed to the laboratory for testing and analysis. The percent passing a Number 200 sieve, Atterberg Limits, and the plasticity index (PI) of representative samples of the soils encountered in the exploratory boring are presented in Appendix B. Based on CGS Special Publication 117A (CDMG, 2008), the majority of liquefaction hazards are associated with sandy and silty soils of low plasticity. Furthermore, cohesive soils with PI between 7 and 12 and moisture content greater than 85 percent of the liquid limit are susceptible to liquefaction.

The procedure presented in the SP 117A guidelines was followed in analyzing the liquefaction potential of the subject site. The SP 117A guidelines were developed based on a paper titled, "Assessment of the Liquefaction Susceptibility of Fine-Grained Soils", by Bray and Sancio (2006). According to SP 117A, soils having a Plastic Index not less than 12 exhibit clay-like behavior and the liquefaction potential of these soils are considered low. Where the results of Atterberg Limits testing indicated a Plastic Index of 12 or higher, the soils would be considered non-liquefiable, and the analysis of these soil layers was turned off in the liquefaction susceptibility column.

Liquefaction settlement and related seismic hazards for SPT borings and CPT soundings are summarized in the following Tables 4-1A and 4-1B:

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Table 4-1A: Estimated Seismic Settlement and Related Hazards (SPT Borings)				
SPT Boring Designation	Liquefaction Induced Settlement of Saturated Soils[1] (Inch)	Lateral Spread Potential due to Seismic Loading[2]	Surface Manifestation Potential[3]	Dynamic Dry Settlement – HHG Conditions (Inch)
B-01	2.2	Not Likely	Yes	Negligible
B-02	1.1	Not Likely	Yes	Negligible
B-03	1.1	Not Likely	Yes	Negligible
B-04	1.8	Not Likely	Not Likely	Negligible
B-07	2.0	Not Likely	Not Likely	Negligible
B-08	0.6	Not Likely	Not Likely	Negligible
B-10	2.1	Not Likely	Not Likely	Negligible
B-11	0.5	Not Likely	Not Likely	Negligible
B-12	1.7	Yes	Yes	Negligible

1. Idriss and Boulanger (2008)
2. Youd, Hansen, and Bartlett (2002)
3. Ishihara (1985), Youd and Garris (1995), O'Rourke and Pease (1997)

Table 4-1B: Estimated Seismic Settlement and Related Hazards (CPT Soundings)				
CPT Sounding Designation	Liquefaction Induced Settlement of Saturated Soils[1] (Inch)	Lateral Spread due to Seismic Loading[2] (Inch)	Surface Manifestation Potential[3]	Dynamic Dry Settlement – HHG Conditions (Inch)
CPT-01	0.9	6.6	Yes	Negligible
CPT-03	1.0	6.5	Yes	Negligible
CPT-04	1.0	5.9	Yes	Negligible
CPT-05	0.6	3.6	Yes	Negligible
CPT-06	0.3	1.9	Yes	Negligible
CPT-07	1.0	6.0	Yes	Negligible
CPT-10	0.3	0.8	Yes	Negligible
CPT-11	0.6	2.6	Yes	Negligible
CPT-12	0.5	1.6	Yes	Negligible
CPT-13	0.7	4.1	Yes	Negligible
CPT-14	0.6	2.9	Yes	Negligible
CPT-15	0.6	2.4	Yes	Negligible
CPT-16	0.6	2.6	Yes	Negligible
CPT-17	0.5	2.1	Yes	Negligible
CPT-19	0.2	0.8	Not Likely	Negligible
CPT-20	0.3	0.4	Not Likely	Negligible

1. Robertson (NCEER R&W 1998, 2009)
2. CLiq Youd, Hansen, and Bartlett (2002)
3. Ishihara (1985), Youd and Garris (1995), O'Rourke and Pease (1997)

Although liquefaction analysis of SPT borings and CPT sounding data exhibited variation in magnitudes of settlement potential at discrete locations, on average, the comparison of software modelling and formulaic analysis results are in reasonably close agreement. Specifically, comparison of average liquefaction settlement predicted for SPT data are estimated at less than 2 inches and settlement for CPT data indicates average settlement of less than 1 inch. Liquefaction settlement indicated by analysis of SPT data was utilized for foundation design as the settlement estimates were inherently conservative for the type of soils encountered at the

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project site. Complete liquefaction analysis results including field data and settlement estimates are provided in the attached liquefaction evaluation reports, Appendix C.

4.1.3 Surface Manifestation and Shear Failure

The study by Ishihara (1985) presents data from three separate earthquakes where subsurface information was available regarding the absolute and relative thicknesses of liquefiable earth materials and overlying non-liquefiable materials. Information was obtained from sites where the surface effects of liquefaction were observed, and from sites where there were no visible surface effects. From this data, Ishihara (1985) graphs the liquefiable soil thickness vs. the overlying non-liquefiable thickness and presents bounds identifying a zone within which surface effects of liquefaction were observed.

Youd and Garris (1995) build upon the work by Ishihara (1985), compiling data from 308 borings taken at sites shaken by 15 different earthquakes, ranging in magnitude from 5.3 to 8.0. They find that the boundaries presented by Ishihara relating the thicknesses of non-liquefiable surface layers to underlying potentially liquefiable layers remain valid for this extensive set of data, with very few exceptions. The particular site conditions which contributed to the few exceptional cases are not present on the subject site.

O'Rourke and Pease (1997) also compare the liquefiable vs. non-liquefiable thickness bounds initially proposed by Ishihara (1985) with data obtained from areas of San Francisco where the surface effects of liquefaction were observed during the 1989 Loma Prieta earthquake. They find general agreement with the previous findings of Ishihara (1985) and Youd and Garris (1995).

Liquefaction analysis of SPT boring logs and CPT sounding data of the project site indicate a likelihood of surface manifestation in discrete locations due to the existence of liquefiable layers near ground surface and high ground accelerations predicted during a maximum considered seismic event. Surface manifestation potential for each boring excavation and CPT sounding is summarized on Tables 4-1A and 4-1B. Complete liquefaction analysis reports which indicate surface manifestation potential are provided in Appendix C.

Structures for the proposed development should be designed to mitigate the potential effects of surface manifestation and shear failure which could occur during a design-based seismic event. Recommendations and foundation design for mitigation of surface manifestation and shear failure effects are provided in Section 5 of this report.

4.1.3 Lateral Spreading

Lateral spreading is the most pervasive type of liquefaction-induced ground failure. During lateral spread, blocks of mostly intact, surficial soil displace downslope or towards a free face along a shear zone that has formed within the liquefied sediment. According to the procedure provided by Youd, Hansen, and Bartlett (2002), when the saturated cohesionless sediments with $(N1)_{60}$ > 15, significant displacement is not likely for M < 8 earthquakes. Liquefaction induced lateral spread potential was evaluated for the project site in accordance with the reference research documents and in accordance with Cliq analysis software as follows:

The project site and surrounding area are relatively flat lying with very moderate topography. A concrete lined waterway designated as "Compton Creek", however, is located along the eastern perimeter of the site as indicated by Plate 2. Accordingly, potential lateral spreading distress due to an open-face embankment configuration was considered and analyzed for design based seismic loading conditions as follows:

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The estimated depth of the creek is approximately 15 feet and the shortest distance to the proposed structures is approximately 800 feet. The depth and proximity of the waterway relative to the proposed structures was modelled in the CLiq liquefaction analysis software for lateral spread evaluation.

Based on the results of the liquefaction-induced lateral spread analysis, an average lateral spread displacement of less than 3-inches would likely occur during a maximum considered seismic event. Proposed buildings in proximity to CPT soundings which exceed 3 inches of lateral spread displacement should include enhanced foundation design (i.e. tie beams or mat foundation) in accordance with Section 5. Based on these criteria, Fenagh recommends the following buildings implement tie beams (for conventional foundations) or a mat foundation design for mitigation of lateral spread displacement: PAC Building, Administration Building, Gymnasium, and Dining Building. An assessment summary of lateral spread potential and displacement estimates for each CPT sounding are indicated in Tables 4-1A and 4-1B and complete liquefaction and lateral spread analysis report for each boring and CPT sounding is provided in Appendix C.

4.1.4 Dynamic Dry Settlement

Seismically induced settlement or compaction of dry or moist, cohesionless soils can be an effect related to earthquake ground motion. Such settlements are typically most damaging when the settlements are differential in nature across the length of structures.

Some seismically induced settlement of the existing structure should be expected due to strong ground-motion. However, due to the relatively clayey and fine-grained materials which were observed in the near surface soil strata, excessive differential settlements are not expected to occur.

4.1.5 Tsunamis and Seiches

Tsunamis are waves generated in large bodies of water by fault displacement or major ground movement. Seiches are waves generated in enclosed bodies of water (e.g. large lakes or reservoirs) often in response to seismic waves although they can also be a response to changes in atmospheric conditions. Based on the inland location of the site and its distance and elevation from contained bodies of water, seiches and tsunamis are not considered a hazard to the project site. Further, per the most recent Tsunami hazard maps published by the California Geological Survey (2025c) the project site is not located within a mapped tsunami hazard zone.

4.1.6 Historic Seismicity

Research into the historical seismicity record was performed using the Southern California Earthquake Data Center at Caltech database and map of recorded historical regional seismic events (those that have been recorded since the mid-1700s) with respect to the school site. Based on the available data it appears that the school has been exposed to relatively significant seismic events in the few decades as is much of southern California. Plate 9 shows the location of the most recent earthquakes in the vicinity of the site. These include (from closest to furthest) the Montebello earthquake in 1989, the Whittier Narrows earthquake in 1987, and the Torrance-Gardena earthquake in 1941.

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4.2 FLOODING AND DAM INUNDATION

From a review of the United States Federal Emergency Management Agency (FEMA; 2025) the site is located in a region defined as an “Area of Minimal Flood Hazard”. Plate 10 is a copy of FEMA flood hazard map for the site area.

According to the California Department of Water Resources web-based database (CDWR, 2025), the school is not within an area that would be subject to inundation due to failure of dams in the vicinity.

4.3 SLOPE STABILITY AND LANDSLIDING

No significant slopes are present or planned near the proposed development. As such, slope stability evaluation including development of static and dynamic strength parameters, pseudo-static slope stability coefficients, dynamic site conditions evaluation, and slope stability mitigation is not warranted for this project. Per the CGS (2025d), the site is not located within an area designated as being subject to landslide hazards.

4.4 SUBSIDENCE DUE TO FLUID WITHDRAWAL

Subsidence refers to ground settlement due to withdrawal of liquid from the underlying earth materials (such as water or oil). The site is not mapped within designated oil fields indicated by the California Department of Conservation online resources (DOC, 2025).

According to the USGS Areas of Land Subsidence in California Interactive Map (USGS, 2025), the project site is not located in an area susceptible to significant subsidence problems.

4.5 UNDOCUMENTED FILL

Undocumented fill was observed to underlie the school property. Exploratory borings excavated within the project site encountered undocumented fill ranging in depth from 2 feet to 4 feet bgs.

Undocumented fill may cause non-uniform bearing support and potential for intolerable foundation or slab differential settlement. The existing fill soils are not suitable for support of foundations, floor slabs or additional fill but may be reused as certified compacted fill. Recommendations for mitigating the effects of the undocumented fill are presented in the Conclusions and Recommendations section of the report body.

4.6 EXPANSIVE SOILS

The existence of expansive soils has the potential to impact a development where fluctuations in the moisture contents can cause unacceptable shrinkage and/or swell beneath buildings and/or flatwork. The climate, with dry summers and wet winters, may cause these clays to cyclically shrink as they dry and then swell as they become wetter. Controlling this moisture change can reduce this shrink-swell capability.

Expansion Index testing yielding EI test results of 31, 31, and 66 were observed for samples obtained during site exploration indicating low to moderate expansion potential. Foundations and pavements, including hardscape features, should be designed to accommodate the effects of low to moderately expansive soils as recommended in Conclusions and Recommendations section of this report.

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4.7 HYDRO-CONSOLIDATION

Hydro-consolidation is a phenomenon wherein soils lose volume when saturated. This can result in settlement of structures bearing thereon. The hydro-consolidation potential of the site soils was considered as part of this project. Based on in-situ relative density estimations during onsite exploration and laboratory analysis, it is the assessment of this firm that the potential for damaging settlement due to hydro-collapse is not significant and not a design consideration.

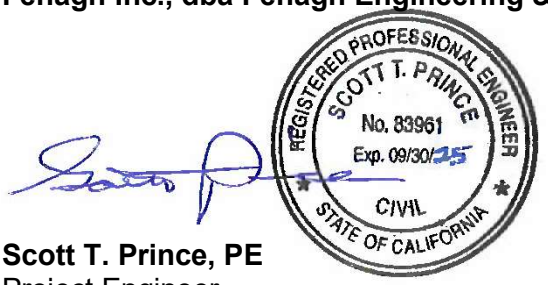
4.8 METHANE

This office has reviewed the Department of Conservation Oil and Gas Well Finder Map (DOGGR, Well Finder, 2025). As shown on Plate 11, the project site is not located within a State of California-designated oil field. However, there are two plugged wells shown as being located in the immediate area of the school site. The use of a methane mitigation system may be required for the proposed development. A study to evaluate the potential for the site to be impacted by methane is recommended.

4.9 OTHER POTENTIAL HAZARDS

The following naturally occurring hazards are not believed to exist at the site nor in the vicinity: tar seeps, volcanic eruption, radon-22 gas, and naturally occurring asbestos in geologic formations associated with serpentine rock.

Sincerely,
Fenagh Inc., dba Fenagh Engineering & Testing



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Project Engineer



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