Data File:CPT376 09-20-05 16:16
Operator:B. BUCKNAM Location:HP-13
Cone ID:510 Job Number:
Customer:TEST AMERICA Units:English

Depth (ft)	Qt (TSF)	Fs (TSF)	Fs/Qt (%)	Pw (PSI)	SPT N* 60% Hammer	Zone	Soil Behavior Type UBC-1983
0.16	9.9	0.160	1.616	0.00	4	4	silty clay to clay
0.33	10.6	0.270	2.547	0.00	6	4	silty clay to clay
0.49	9.3	0.310	3.333	0.10	7	4	silty clay to clay
0.66	13.2	0.390	2.955	0.00	8	4	silty clay to clay
0.82	13.3	0.330	2.481	0.10	6	5	clayey silt to silty cla
0.98	9.7	0.220	2.268	0.10	6	4	silty clay to clay
1.15	6.6	0.140	2.121	0.10	5	4	silty clay to clay
1.31	6.6	0.230	3.484	0.10	7	3	clay
1.48	9.9	0.420	4.242	0.10	9	3	clay
1.64	13.1	0.450	3.435	0.10	10	3	clay
1.80	9.5	0.330	3.473	0.10	10	3	clay
1.97	7.7	0.270	3.505	0.20	8	3	clay
2.13	6.5	0.240	3.691	0.10	6	3	clay
2.30	5.5	0.280	5.090	0.10	6	3	clay
2.46	7.4	0.430	5.811	0.00	7	3	clay
2.62	10.2	0.460	4.510	0.00	9	3	clay
2.79	9.8	0.390	3.983	-0.50	9	3	clay
2.95	7.8	0.300	3.846	0.00	8	3	clay
3.12	6.9	0.240	3.478	0.00	7	3	clay
3.28	6.0	0.210	3.500	0.00	6	3	clay
3.44	6.4	0.180	2.813	0.00	6	3	clay
3.61	6.2	0.180	2.903	0.00	6	3	clay
3.77	6.6	0.190	2.879	0.00	6	3	clay
3.94	6.7	0.260	3.881	0.00	7	3	clay
4.10	10.2	0.410	4.020	-0.10	9	3	clay
4.27	10.9	0.470	4.312	-0.10	10	3	clay
4.43	9.2	0.390	4.239	0.00	9	3	clay
4.59	7.5	0.400	5.333	0.00	8	3	clay
4.76	8.4	0.570	6.787	-0.10	10	3	clay
4.92	14.9	0.510	3.423	-0.10	13	3	clay
5.09	18.5	0.700	3.789	-1.90	10	4	silty clay to clay
5.25	15.9	0.730	4.603	-2.80	15	3	clay
5.41	13.0	0.620	4.787	-3.30	13	3	clay
5.58	10.6	0.520	4.891	-4.80	11	3	clay
5.74	11.0	0.470	4.265	-5.60	11	3	clay
5.91	11.4	0.480	4.207	-6.20	11	3	clay
6.07	11.6	0.450	3.877	-6.40	11	3	clay
6.23	10.6	0.450	4.240	-6.10	10	3	clay
6.40	9.9	0.430	4.337	-5.90	10	3	clay
6.56	11.5	0.420	3.648	-6.00	7	4	silty clay to clay
6.73	12.9	0.360	2.788	-6.00	7	4	silty clay to clay
6.89	10.5	0.320	3.043	-5.80	7	4	silty clay to clay
7.05	10.4	0.380	3.647	-5.50	10	3	clay
7.22	9.9	0.410	4.136	-6.00	10	3	clay
7.38	9.9	0.410	4.136	-6.00	10	3	clay
7.55	10.4	0.430	4.129	-5.90	10	3	clay
7.71	10.1	0.480	4.747	-6.10	10	3	clay
7.87	9.4	0.490	5.206	-6.10	9	3	clay
8.04	10.0	0.480	4.787	-5.10	9	3	clay
8.20	10.2	0.500	4.887	-4.80	10	3	clay
8.37	10.1	0.500	4.935	-4.70	10	3	clay
8.53	10.2	0.460	4.496	-4.70	10	3	clay
8.69	10.8	0.540	4.985	-4.70	10	3	clay
8.86	10.0	0.520	5.190	-5.60	9	3	clay
9.02	8.7	0.370	4.241	-5.30	9	3	clay

*Soil behavior type and SPT based on data from UBC-1983

Depth (ft)	Qt (TSF)	Fs (TSF)	Fs/Qt (%)	Pw (PSI)	SPT N* 60% Hammer	Zone	Soil Behavior Type UBC-1983
9.19	8.2	0.320	3.891	-5.30	8	3	clay
9.35	8.5	0.390	4.575	-5.30	8	3	clay
9.51	8.4	0.410	4.869	-5.50	8	3	clay
9.68	8.2	0.410	4.989	-5.70	8	3	clay
9.84	7.5	0.340	4.523	-5.80	7	3	clay
10.01	7.2	0.320	4.433	-5.70	7	3	clay
10.17	8.0	0.280	3.492	-5.60	7	3	clay
10.33	8.1	0.280	3.449	-5.70	8	3	clay
10.50	7.9	0.280	3.536	-5.70	8	3	clay
10.66	7.9	0.300	3.788	-5.60	8	3	clay
10.83	7.9	0.340	4.294	-5.70	8	3	clay
10.99	8.4	0.370	4.395	-5.70	8	3	clay
11.15	8.8	0.390	4.424	-5.90	8	3	clay
11.32	8.8	0.380	4.311	-5.90	8	3	clay
11.48	8.5	0.380	4.463	-6.00	8	3	clay
11.65	8.4	0.380	4.516	-6.00	8	3	clay
11.81	8.1	0.370	4.560	-6.00	8	3	clay
11.98	7.7	0.350	4.539	-6.20	8	3	clay
12.14	7.8	0.340	4.352	-6.10	8	3	clay
12.30	8.1	0.330	4.069	-6.20	8	3	clay
12.47	8.7	0.350	4.017	-6.10	8	3	clay
12.63	9.0	0.370	4.106	-6.20	8	3	clay
12.80	8.8	0.370	4.199	-6.20	8	3	clay
12.96	8.8	0.360	4.087	-6.30	9	3	clay
13.12	9.2	0.370	4.018	-6.30	9	3	clay
13.29	9.3	0.440	4.727	-6.40	9	3	clay
13.45	9.4	0.470	4.997	-6.50	9	3	clay
13.62	9.6	0.470	4.894	-6.70	9	3	clay
13.78	9.8	0.460	4.692	-6.70	9	3	clay
13.94	10.1	0.400	3.959	-6.70	10	3	clay
14.11	10.4	0.310	2.979	-6.60	6	4	silty clay to clay
14.27	9.4	0.230	2.445	-6.50	6	4	silty clay to clay
14.44	8.8	0.260	2.952	-6.40	6	4	silty clay to clay
14.60	9.9	0.280	2.826	-6.40	6	4	silty clay to clay
14.76	10.1	0.300	2.968	-6.30	7	4	silty clay to clay
14.93	13.2	0.320	2.422	-6.20	6	5	clayey silt to silty cla
15.09	15.0	0.380	2.532	-6.20	7	5	clayey silt to silty cla
15.26	14.8	0.440	2.971	-6.10	7	5	clayey silt to silty cla
15.42	15.9	0.500	3.143	-6.20	8	5	clayey silt to silty cla
15.58	16.9	0.510	3.016	-6.20	8	5	clayey silt to silty cla
15.75	15.3	0.500	3.266	-6.20	10	4	silty clay to clay
15.91	13.3	0.410	3.080	-6.20	9	4	silty clay to clay
16.08	12.2	0.360	2.948	-6.20	8	4	silty clay to clay
16.24	11.4	0.320	2.804	-6.10	7	4	silty clay to clay
16.40	10.8	0.280	2.590	-6.10	7	4	silty clay to clay
16.57	9.5	0.240	2.523	-6.10	6	4	silty clay to clay
16.73	8.9	0.200	2.244	-6.10	6	4	silty clay to clay
16.90	8.2	0.180	2.191	-6.00	5	4	silty clay to clay
17.06	7.6	0.150	1.970	-6.00	5	4	silty clay to clay
17.22	7.1	0.120	1.687	-5.90	5	4	silty clay to clay
17.39	7.1	0.120	1.686	-5.80	4	5	clayey silt to silty cla
17.55	7.9	0.140	1.768	-5.70	4	5	clayey silt to silty cla
17.72	9.2	0.170	1.844	-5.60	4	5	clayey silt to silty cla
17.88	10.0	0.200	1.996	-5.60	5	5	clayey silt to silty cla
18.04	11.3	0.280	2.473	-5.50	7	5	clayey silt to silty cla
18.21	19.4	0.590	3.038	-5.40	10	5	clayey silt to silty cla
18.37	32.1	0.910	2.833	-5.30	12	6	sandy silt to clayey sil
18.54	46.2	0.910	1.969	-5.60	18	6	sandy silt to clayey sil
18.70	63.3	1.080	1.705	-11.20	18	6	sandy silt to clayey sil
18.86	27.9	0.730	2.621	-10.10	13	6	sandy silt to clayey sil

*Soil behavior type and SPT based on data from UBC-1983

Depth (ft)	Qt (TSF)	Fs (TSF)	Fs/Qt (%)	Pw (PSI)	SPT N* 60% Hammer	Zone	Soil Behavior Type UBC-1983
19.03	14.2	0.500	3.510	-10.80	9	5	clayey silt to silty cla
19.19	12.9	0.360	2.802	-10.40	8	4	silty clay to clay
19.36	12.8	0.320	2.510	-10.40	6	5	clayey silt to silty cla
19.52	10.4	0.260	2.512	-10.40	5	5	clayey silt to silty cla
19.69	9.8	0.220	2.256	-10.30	6	4	silty clay to clay
19.85	9.9	0.300	3.045	-10.20	6	5	clayey silt to silty cla
20.01	18.7	0.360	1.930	-10.20	8	5	clayey silt to silty cla
20.18	22.3	0.340	1.528	-10.10	9	5	clayey silt to silty cla
20.34	14.3	0.400	2.805	-9.60	8	5	clayey silt to silty cla
20.51	15.1	0.380	2.523	-9.50	8	5	clayey silt to silty cla
20.67	18.7	0.460	2.463	-8.70	9	5	clayey silt to silty cla
20.83	21.8	0.820	3.765	-8.50	11	5	clayey silt to silty cla
21.00	31.0	0.920	2.970	-8.50	14	5	clayey silt to silty cla
21.16	33.3	1.010	3.035	-8.50	16	5	clayey silt to silty cla
21.33	37.2	1.850	4.976	-8.20	20	5	clayey silt to silty cla
21.49	55.5	2.130	3.839	-8.40	31	4	silty clay to clay
21.65	53.6	2.690	5.020	-8.10	29	5	clayey silt to silty cla
21.82	72.2	2.770	3.838	-8.60	37	5	clayey silt to silty cla
21.98	106.0	4.490	4.237	-8.30	48	5	clayey silt to silty cla
22.15	119.8	4.840	4.041	-9.80	98	11	very stiff fine grained (
22.31	81.2	5.340	6.580	-10.00	105	11	very stiff fine grained (
22.47	129.3	5.160	3.992	-9.70	109	11	very stiff fine grained (
22.64	130.5	5.310	4.069	-7.90	48	6	sandy silt to clayey sil
22.80	113.3	4.060	3.582	-3.80	50	5	clayey silt to silty cla
22.97	72.0	3.140	4.363	-2.30	36	5	clayey silt to silty cla
23.13	40.5	2.020	4.987	-6.80	28	4	silty clay to clay
23.29	20.4	1.050	5.137	2.70	23	3	clay
23.46	11.5	0.460	4.015	4.00	14	3	clay
23.62	10.7	0.240	2.252	4.10	7	4	silty clay to clay
23.79	12.0	0.220	1.839	4.20	6	5	clayey silt to silty cla
23.95	13.7	0.240	1.757	4.40	6	5	clayey silt to silty cla
24.11	12.6	0.270	2.149	4.50	6	5	clayey silt to silty cla
24.28	13.0	0.320	2.468	4.50	6	5	clayey silt to silty cla
24.44	13.2	0.300	2.279	4.60	6	5	clayey silt to silty cla
24.61	13.1	0.250	1.913	4.60	6	5	clayey silt to silty cla
24.77	11.0	0.440	4.011	4.90	7	5	clayey silt to silty cla
24.93	20.8	0.650	3.129	5.00	12	4	silty clay to clay
25.10	24.4	0.930	3.817	-2.50	13	5	clayey silt to silty cla
25.26	39.1	0.990	2.533	-1.10	18	5	clayey silt to silty cla
25.43	51.0	1.680	3.294	-6.50	22	6	sandy silt to clayey sil
25.59	78.8	1.780	2.258	-12.80	27	6	sandy silt to clayey sil
25.75	82.2	2.200	2.676	-13.40	29	6	sandy silt to clayey sil
25.92	65.3	1.740	2.664	-13.20	28	6	sandy silt to clayey sil
26.08	69.5	2.610	3.755	-13.10	34	6	sandy silt to clayey sil
26.25	132.8	3.750	2.823	-12.50	42	6	sandy silt to clayey sil
26.41	127.2	4.430	3.482	-12.40	46	6	sandy silt to clayey sil
26.57	101.0	3.630	3.594	-13.10	46	6	sandy silt to clayey sil
26.74	130.4	2.320	1.779	-13.10	37	6	sandy silt to clayey sil
26.90	59.2	1.500	2.533	-13.40	28	6	sandy silt to clayey sil
27.07	28.8	1.390	4.825	-13.20	17	5	clayey silt to silty cla
27.23	15.9	0.750	4.714	-13.20	18	3	clay
27.40	12.1	0.350	2.890	-13.20	9	4	silty clay to clay
27.56	12.0	0.280	2.331	-13.10	6	5	clayey silt to silty cla
27.72	12.9	0.280	2.169	-13.10	6	5	clayey silt to silty cla
27.89	12.9	0.290	2.246	-13.10	6	5	clayey silt to silty cla
28.05	12.7	0.270	2.124	-13.10	6	5	clayey silt to silty cla
28.22	11.8	0.270	2.286	-13.10	6	5	clayey silt to silty cla
28.38	11.5	0.250	2.171	-13.00	5	5	clayey silt to silty cla
28.54	10.5	0.230	2.188	-13.00	5	5	clayey silt to silty cla
28.71	10.8	0.270	2.497	-13.00	6	5	clayey silt to silty cla

*Soil behavior type and SPT based on data from UBC-1983

Depth (ft)	Qt (TSF)	Fs (TSF)	Fs/Qt (%)	Pw (PSI)	SPT N* 60% Hammer	Zone	Soil Behavior Type UBC-1983
28.87	14.1	0.320	2.268	-13.10	7	5	clayey silt to silty cla
29.04	19.5	0.400	2.050	-13.10	9	5	clayey silt to silty cla
29.20	20.2	0.380	1.880	-13.00	9	5	clayey silt to silty cla
29.36	18.0	0.360	1.999	-13.00	9	5	clayey silt to silty cla
29.53	15.2	0.270	1.775	-13.00	7	5	clayey silt to silty cla
29.69	13.3	0.240	1.803	-13.10	7	5	clayey silt to silty cla
29.86	12.2	0.190	1.556	-13.00	6	5	clayey silt to silty cla
30.02	11.5	0.170	1.477	-13.00	6	5	clayey silt to silty cla
30.18	12.0	0.140	1.165	-12.90	6	5	clayey silt to silty cla
30.35	12.7	0.140	1.101	-13.00	5	6	sandy silt to clayey sil
30.51	13.5	0.150	1.110	-13.00	5	6	sandy silt to clayey sil
30.68	15.6	0.160	1.025	-13.00	6	6	sandy silt to clayey sil
30.84	16.5	0.390	2.362	-13.00	9	5	clayey silt to silty cla
31.00	23.6	0.650	2.753	-13.00	10	5	clayey silt to silty cla
31.17	22.5	0.920	4.086	-12.90	15	4	silty clay to clay
31.33	26.6	1.180	4.434	-12.90	15	5	clayey silt to silty cla
31.50	45.1	1.130	2.505	-12.80	16	5	clayey silt to silty cla
31.66	27.4	0.680	2.480	-12.70	12	6	sandy silt to clayey sil
31.82	22.9	0.430	1.876	-12.70	11	5	clayey silt to silty cla
31.99	17.1	0.420	2.454	-12.70	10	5	clayey silt to silty cla
32.15	20.4	0.530	2.596	-12.70	11	5	clayey silt to silty cla
32.32	31.6	0.820	2.593	-12.60	13	5	clayey silt to silty cla
32.48	30.9	0.900	2.911	-12.50	15	5	clayey silt to silty cla
32.64	33.3	1.280	3.842	-12.50	17	5	clayey silt to silty cla
32.81	41.4	1.960	4.732	-12.50	26	5	clayey silt to silty cla
32.97	88.7	3.010	3.393	-12.50	36	6	sandy silt to clayey sil
33.14	148.2	3.010	2.031	-12.40	37	8	sand to silty sand
33.30	222.1	1.680	0.756	-12.40	38	9	sand
33.46	230.5	1.340	0.581	-12.40	45	9	sand
33.63	254.7	1.600	0.628	-12.30	49	9	sand
33.79	285.7	2.030	0.710	-12.30	52	9	sand
33.96	277.4	2.540	0.916	-12.30	55	9	sand
34.12	290.8	2.250	0.774	-12.30	55	9	sand
34.28	301.2	2.750	0.913	-12.20	60	9	sand
34.45	342.0	1.660	0.485	-12.10	53	10	gravelly sand to sand
34.61	360.7	1.310	0.363	-12.10	57	10	gravelly sand to sand
34.78	364.1	1.370	0.376	-12.00	57	10	gravelly sand to sand
34.94	338.5	1.130	0.334	-11.90	57	10	gravelly sand to sand
35.10	359.6	1.280	0.356	-11.70	58	10	gravelly sand to sand
35.27	395.2	1.020	0.258	-9.60	59	10	gravelly sand to sand
35.43	362.8	2.070	0.571	-9.30	59	10	gravelly sand to sand
35.60	357.6	2.460	0.688	-8.80	61	9	sand
35.76	239.5	2.400	1.002	-8.50	51	9	sand
35.93	197.9	2.030	1.026	-7.90	45	9	sand
36.09	272.7	1.770	0.649	-9.40	51	9	sand
36.25	333.3	1.620	0.486	-10.80	50	10	gravelly sand to sand
36.42	337.6	1.230	0.364	-10.40	51	10	gravelly sand to sand
36.58	289.8	1.070	0.369	-10.80	52	9	sand
36.75	190.8	2.380	1.247	-10.90	39	9	sand
36.91	128.3	3.310	2.579	-10.90	42	7	silty sand to sandy silt
37.07	73.4	3.880	5.283	-10.60	37	6	sandy silt to clayey sil
37.24	88.1	2.730	3.097	-10.70	31	6	sandy silt to clayey sil
37.40	85.1	1.840	2.161	-11.00	30	6	sandy silt to clayey sil
37.57	61.4	1.730	2.816	-11.10	23	6	sandy silt to clayey sil
37.73	37.1	1.490	4.011	-10.60	21	5	clayey silt to silty cla
37.89	32.5	1.000	3.072	-10.50	17	5	clayey silt to silty cla
38.06	34.3	0.810	2.358	-10.50	14	5	clayey silt to silty cla
38.22	23.9	0.960	4.009	-10.70	13	5	clayey silt to silty cla
38.39	24.4	0.860	3.518	-10.80	14	5	clayey silt to silty cla
38.55	39.0	1.120	2.869	-10.80	15	6	sandy silt to clayey sil

*Soil behavior type and SPT based on data from UBC-1983

Depth (ft)	Qt (TSF)	Fs (TSF)	Fs/Qt (%)	Pw (PSI)	SPT N* 60% Hammer	Zone	Soil Behavior Type UBC-1983
38.71	52.5	1.330	2.531	-10.80	21	6	sandy silt to clayey sil
38.88	73.5	1.300	1.768	-11.00	21	7	silty sand to sandy silt
39.04	68.5	1.150	1.678	-11.10	19	7	silty sand to sandy silt
39.21	37.7	1.010	2.676	-11.30	17	6	sandy silt to clayey sil
39.37	24.2	0.550	2.269	-11.20	10	6	sandy silt to clayey sil
39.53	17.9	0.450	2.509	-11.20	10	5	clayey silt to silty cla
39.70	19.0	0.480	2.521	-11.00	10	5	clayey silt to silty cla
39.86	22.7	0.340	1.495	-11.10	8	6	sandy silt to clayey sil
40.03	23.2	0.310	1.334	-11.00	8	6	sandy silt to clayey sil
40.19	17.0	0.300	1.760	-11.00	7	6	sandy silt to clayey sil
40.35	16.9	0.280	1.653	-11.00	7	6	sandy silt to clayey sil
40.52	17.0	0.290	1.701	-10.80	6	6	sandy silt to clayey sil
40.68	16.8	0.270	1.603	-10.80	6	6	sandy silt to clayey sil
40.85	16.9	0.280	1.652	-10.80	6	6	sandy silt to clayey sil
41.01	16.9	0.270	1.593	-10.70	7	6	sandy silt to clayey sil
41.17	18.7	0.360	1.920	-10.60	9	5	clayey silt to silty cla
41.34	18.2	0.410	2.247	-10.50	8	6	sandy silt to clayey sil
41.50	26.6	0.480	1.808	-10.20	9	6	sandy silt to clayey sil
41.67	23.9	0.460	1.928	-10.10	9	6	sandy silt to clayey sil
41.83	23.6	0.320	1.359	-10.10	8	6	sandy silt to clayey sil
41.99	16.0	0.270	1.692	-9.90	7	6	sandy silt to clayey sil
42.16	15.1	0.170	1.129	-9.80	6	6	sandy silt to clayey sil
42.32	15.3	0.150	0.983	-9.60	6	6	sandy silt to clayey sil
42.49	13.8	0.230	1.671	-9.40	7	5	clayey silt to silty cla
42.65	15.5	0.320	2.069	-9.20	9	5	clayey silt to silty cla
42.81	25.3	0.550	2.177	-9.10	11	5	clayey silt to silty cla
42.98	27.6	1.270	4.606	-8.70	18	5	clayey silt to silty cla
43.14	60.0	2.180	3.635	-8.60	28	5	clayey silt to silty cla
43.31	90.6	3.120	3.445	-8.60	35	6	sandy silt to clayey sil
43.47	120.4	3.210	2.667	-9.70	43	6	sandy silt to clayey sil
43.64	126.7	4.060	3.205	-8.30	48	7	silty sand to sandy silt
43.80	205.8	2.930	1.424	-8.30	44	8	sand to silty sand
43.96	224.6	1.000	0.445	-9.40	39	9	sand
44.13	186.2	1.450	0.779	-8.10	33	9	sand
44.29	112.8	2.550	2.261	-7.00	39	7	silty sand to sandy silt
44.46	65.0	2.410	3.709	-9.00	27	6	sandy silt to clayey sil
44.62	36.0	1.340	3.727	-10.20	19	5	clayey silt to silty cla
44.78	20.8	0.770	3.708	-9.20	12	5	clayey silt to silty cla
44.95	18.2	0.590	3.247	-9.00	9	5	clayey silt to silty cla
45.11	18.3	0.530	2.900	-8.70	9	5	clayey silt to silty cla
45.28	17.1	0.490	2.869	-8.60	8	5	clayey silt to silty cla
45.44	16.3	0.440	2.703	-8.50	8	5	clayey silt to silty cla
45.60	16.7	0.440	2.638	-8.30	8	5	clayey silt to silty cla
45.77	17.0	0.470	2.768	-8.20	8	5	clayey silt to silty cla
45.93	18.1	0.530	2.931	-8.10	9	5	clayey silt to silty cla
46.10	18.9	0.570	3.018	-8.00	9	5	clayey silt to silty cla
46.26	20.5	0.590	2.880	-8.00	10	5	clayey silt to silty cla
46.42	20.7	0.610	2.949	-7.90	10	5	clayey silt to silty cla
46.59	20.9	0.590	2.825	-7.90	10	5	clayey silt to silty cla
46.75	21.1	0.560	2.656	-7.80	10	5	clayey silt to silty cla
46.92	20.1	0.550	2.738	-7.70	10	5	clayey silt to silty cla
47.08	18.9	0.520	2.753	-7.60	9	5	clayey silt to silty cla
47.24	18.7	0.490	2.622	-7.60	9	5	clayey silt to silty cla
47.41	18.3	0.430	2.351	-7.50	9	5	clayey silt to silty cla
47.57	17.4	0.410	2.357	-7.30	9	5	clayey silt to silty cla
47.74	18.6	0.370	1.989	-6.90	8	5	clayey silt to silty cla
47.90	17.2	0.340	1.976	-6.60	8	5	clayey silt to silty cla
48.06	17.3	0.350	2.022	-6.50	8	5	clayey silt to silty cla
48.23	16.9	0.370	2.188	-6.30	8	5	clayey silt to silty cla
48.39	17.7	0.380	2.145	-6.00	8	5	clayey silt to silty cla

*Soil behavior type and SPT based on data from UBC-1983

Depth (ft)	Qt (TSF)	Fs (TSF)	Fs/Qt (%)	Pw (PSI)	SPT N* 60% Hammer	Zone	Soil Behavior Type UBC-1983
48.56	17.7	0.380	2.145	-5.80	8	5	clayey silt to silty cla
48.72	17.1	0.380	2.220	-5.60	8	5	clayey silt to silty cla
48.88	17.8	0.370	2.076	-5.20	8	5	clayey silt to silty cla
49.05	17.1	0.380	2.219	-5.00	8	5	clayey silt to silty cla
49.21	17.3	0.400	2.308	-4.70	8	5	clayey silt to silty cla
49.38	18.1	0.470	2.591	-4.40	9	5	clayey silt to silty cla
49.54	19.3	0.500	2.585	-4.10	9	5	clayey silt to silty cla
49.70	20.4	0.520	2.543	-3.80	10	5	clayey silt to silty cla
49.87	21.0	0.530	2.518	-3.50	10	5	clayey silt to silty cla
50.03	20.3	0.480	2.370	-3.20	10	5	clayey silt to silty cla
50.20	19.2	0.390	2.036	-3.00	9	5	clayey silt to silty cla
50.36	17.7	0.330	1.868	-2.60	9	5	clayey silt to silty cla
50.52	17.1	0.300	1.757	-2.10	8	5	clayey silt to silty cla
50.69	16.8	0.310	1.848	-1.60	8	5	clayey silt to silty cla
50.85	16.5	0.320	1.941	-1.20	8	5	clayey silt to silty cla
51.02	16.2	0.320	1.977	-0.90	8	5	clayey silt to silty cla
51.18	15.8	0.310	1.963	-0.40	8	5	clayey silt to silty cla
51.35	15.4	0.280	1.818	0.00	7	5	clayey silt to silty cla
51.51	15.2	0.270	1.776	0.40	7	5	clayey silt to silty cla
51.67	15.4	0.260	1.684	2.70	7	5	clayey silt to silty cla
51.84	15.6	0.280	1.790	3.20	8	5	clayey silt to silty cla
52.00	16.7	0.290	1.741	3.80	8	5	clayey silt to silty cla
52.17	18.5	0.340	1.841	4.40	9	5	clayey silt to silty cla
52.33	20.3	0.440	2.173	3.60	10	5	clayey silt to silty cla
52.49	24.6	0.710	2.891	4.20	12	5	clayey silt to silty cla
52.66	33.1	1.260	3.810	4.70	18	5	clayey silt to silty cla
52.82	55.8	2.100	3.766	4.50	24	6	sandy silt to clayey sil
52.99	100.4	2.510	2.500	0.30	34	7	silty sand to sandy silt
53.15	166.5	2.350	1.411	-4.60	39	8	sand to silty sand
53.31	218.2	2.080	0.953	-5.70	44	9	sand
53.48	300.9	2.330	0.774	-6.70	56	9	sand
53.64	360.5	2.010	0.558	-9.30	53	10	gravelly sand to sand
53.81	337.0	1.430	0.424	-9.50	59	9	sand
53.97	229.4	2.630	1.147	-9.20	45	9	sand
54.13	134.2	2.820	2.102	-9.20	48	7	silty sand to sandy silt
54.30	84.9	2.660	3.134	-9.00	36	7	silty sand to sandy silt
54.46	123.2	2.050	1.664	-9.10	30	7	silty sand to sandy silt
54.63	77.5	2.040	2.633	-9.00	32	6	sandy silt to clayey sil
54.79	52.3	2.120	4.054	-7.60	25	5	clayey silt to silty cla
54.95	29.9	1.390	4.650	-7.60	23	4	silty clay to clay
55.12	24.3	0.940	3.869	-7.10	18	4	silty clay to clay
55.28	29.2	0.810	2.774	-7.00	13	5	clayey silt to silty cla
55.45	27.9	0.900	3.226	-6.90	14	5	clayey silt to silty cla
55.61	31.5	1.220	3.872	-6.60	18	7	silty sand to sandy silt
55.77	107.8	0.890	0.826	-6.80	27	7	silty sand to sandy silt
55.94	117.0	2.270	1.940	-7.70	31	7	silty sand to sandy silt
56.10	67.6	2.160	3.195	-7.10	29	6	sandy silt to clayey sil
56.27	45.9	1.900	4.139	-6.70	27	6	sandy silt to clayey sil
56.43	98.1	2.440	2.487	-6.60	31	6	sandy silt to clayey sil
56.59	97.1	3.020	3.110	-6.70	39	6	sandy silt to clayey sil
56.76	109.9	2.880	2.621	-7.10	38	6	sandy silt to clayey sil
56.92	88.5	2.700	3.051	-7.60	32	6	sandy silt to clayey sil
57.09	49.7	2.160	4.347	-7.80	28	5	clayey silt to silty cla
57.25	34.4	1.250	3.634	-7.40	18	5	clayey silt to silty cla
57.41	29.3	0.760	2.594	-7.00	15	5	clayey silt to silty cla
57.58	27.8	0.660	2.374	-6.80	10	6	sandy silt to clayey sil
57.74	25.1	0.600	2.390	-6.60	12	5	clayey silt to silty cla
57.91	24.9	0.690	2.770	-6.50	12	5	clayey silt to silty cla
58.07	25.9	0.750	2.894	-5.80	12	5	clayey silt to silty cla
58.23	26.9	0.750	2.786	-5.70	13	5	clayey silt to silty cla

*Soil behavior type and SPT based on data from UBC-1983

Depth (ft)	Qt (TSF)	Fs (TSF)	Fs/Qt (%)	Pw (PSI)	SPT N* 60% Hammer	Zone	Soil Behavior Type UBC-1983
58.40	27.5	1.120	4.070	-5.60	19	4	silty clay to clay
58.56	33.2	2.130	6.411	-5.40	46	3	clay
58.73	83.0	4.330	5.216	-5.50	76	11	very stiff fine grained (
58.89	121.6	5.360	4.407	-5.80	88	11	very stiff fine grained (
59.06	71.6	4.480	6.256	-6.40	77	11	very stiff fine grained (
59.22	48.9	2.890	5.909	-6.50	52	3	clay
59.38	42.2	2.170	5.141	-6.50	40	3	clay
59.55	33.7	1.580	4.687	-6.30	34	3	clay
59.71	29.6	1.340	4.525	-6.10	21	4	silty clay to clay
59.88	34.4	1.630	4.736	-5.90	18	5	clayey silt to silty cla
60.04	48.3	1.420	2.939	-5.90	17	6	sandy silt to clayey sil
60.20	48.3	0.880	1.821	-6.00	0	0	<out of range>
60.37	25.2	-32768	-32768	-6.20	0	0	<out of range>
60.53	21.4	-32768	-32768	-5.70	0	0	<out of range>

*Soil behavior type and SPT based on data from UBC-1983