Data File:CPT382 09-23-05 08:48
Operator:B. BUCKNAM Location:HP-18
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	7.1	0.070	0.986	-0.10	2	1	sensitive fine grained
0.33	6.7	0.110	1.642	-0.10	4	4	silty clay to clay
0.49	6.4	0.170	2.658	-0.30	5	4	silty clay to clay
0.66	9.1	0.240	2.638	-0.20	6	4	silty clay to clay
0.82	12.5	0.250	2.000	-0.20	5	5	clayey silt to silty cla
0.98	9.0	0.180	2.000	-0.10	5	5	clayey silt to silty cla
1.15	9.1	0.260	2.857	0.00	5	5	clayey silt to silty cla
1.31	13.4	0.290	2.165	-0.30	5	5	clayey silt to silty cla
1.48	10.3	0.190	1.845	0.00	5	5	clayey silt to silty cla
1.64	7.4	0.150	2.027	0.10	5	4	silty clay to clay
1.80	5.0	0.100	1.999	0.20	4	4	silty clay to clay
1.97	5.3	0.150	2.827	0.40	5	3	clay
2.13	6.7	0.170	2.535	0.40	6	3	clay
2.30	6.9	0.300	4.344	0.40	8	3	clay
2.46	10.3	0.370	3.591	0.30	6	4	silty clay to clay
2.62	11.9	0.290	2.437	-0.10	7	4	silty clay to clay
2.79	9.0	0.180	2.000	0.10	6	4	silty clay to clay
2.95	6.4	0.190	2.967	0.30	5	4	silty clay to clay
3.12	6.4	0.210	3.280	0.20	7	3	clay
3.28	7.6	0.330	4.340	0.30	6	4	silty clay to clay
3.44	12.3	0.290	2.357	0.30	6	4	silty clay to clay
3.61	9.0	0.190	2.110	0.20	6	4	silty clay to clay
3.77	6.3	0.140	2.221	0.30	5	4	silty clay to clay
3.94	6.9	0.170	2.462	0.30	4	4	silty clay to clay
4.10	7.4	0.190	2.566	0.30	7	3	clay
4.27	7.2	0.310	4.303	0.30	8	3	clay
4.43	9.5	0.640	6.734	0.30	13	3	clay
4.59	23.8	0.850	3.571	0.30	13	4	silty clay to clay
4.76	27.4	0.980	3.575	0.70	13	5	clayey silt to silty cla
4.92	27.6	0.850	3.078	0.80	13	5	clayey silt to silty cla
5.09	26.0	0.970	3.727	1.70	14	5	clayey silt to silty cla
5.25	32.0	1.060	3.314	-1.10	14	5	clayey silt to silty cla
5.41	31.5	1.120	3.558	-1.40	15	5	clayey silt to silty cla
5.58	33.2	1.170	3.526	-1.00	16	5	clayey silt to silty cla
5.74	35.2	1.310	3.724	-8.60	16	5	clayey silt to silty cla
5.91	33.7	1.340	3.978	-7.90	17	5	clayey silt to silty cla
6.07	35.2	1.330	3.779	-7.30	16	5	clayey silt to silty cla
6.23	31.2	1.160	3.718	-6.70	15	5	clayey silt to silty cla
6.40	25.9	1.030	3.974	-5.80	13	5	clayey silt to silty cla
6.56	26.6	0.800	3.005	-5.70	14	5	clayey silt to silty cla
6.73	37.5	0.870	2.319	-5.50	13	6	sandy silt to clayey sil
6.89	37.5	0.960	2.561	-0.80	13	6	sandy silt to clayey sil
7.05	24.0	0.840	3.501	-0.50	13	5	clayey silt to silty cla
7.22	18.3	0.780	4.269	-2.10	13	4	silty clay to clay
7.38	16.7	0.700	4.200	-2.40	16	3	clay
7.55	16.5	0.710	4.308	-1.40	16	3	clay
7.71	17.4	0.740	4.260	-1.90	16	3	clay
7.87	16.7	0.730	4.378	-1.80	16	3	clay
8.04	17.3	0.730	4.224	-1.30	16	3	clay
8.20	17.1	0.730	4.274	-1.30	16	3	clay
8.37	16.8	0.700	4.170	-0.80	17	3	clay
8.53	18.1	0.740	4.090	-0.60	17	3	clay
8.69	17.4	0.790	4.544	-1.10	16	3	clay
8.86	15.6	0.800	5.133	-1.10	15	3	clay
9.02	15.4	0.680	4.420	-1.00	15	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	15.3	0.570	3.728	-0.60	15	3	clay
9.35	15.7	0.620	3.952	-0.90	15	3	clay
9.51	15.7	0.790	5.039	-1.60	14	3	clay
9.68	14.1	0.760	5.402	-2.20	14	3	clay
9.84	15.0	0.740	4.941	-1.70	14	3	clay
10.01	13.3	0.680	5.125	-2.20	13	3	clay
10.17	11.1	0.550	4.969	-2.20	11	3	clay
10.33	9.6	0.400	4.179	-2.00	9	3	clay
10.50	8.2	0.310	3.794	-2.00	8	3	clay
10.66	8.3	0.330	3.990	-2.00	8	3	clay
10.83	8.9	0.400	4.510	-2.10	9	3	clay
10.99	9.8	0.430	4.404	-2.50	9	3	clay
11.15	10.7	0.480	4.502	-2.60	10	3	clay
11.32	11.0	0.500	4.563	-3.00	10	3	clay
11.48	10.7	0.510	4.786	-3.10	10	3	clay
11.65	10.7	0.520	4.881	-3.20	10	3	clay
11.81	10.6	0.490	4.602	-3.70	10	3	clay
11.98	11.1	0.480	4.305	-3.50	11	3	clay
12.14	11.8	0.470	3.968	-3.80	11	3	clay
12.30	11.4	0.460	4.020	-4.00	11	3	clay
12.47	11.0	0.430	3.894	-4.00	10	3	clay
12.63	10.3	0.450	4.353	-4.40	10	3	clay
12.80	9.4	0.440	4.663	-4.50	9	3	clay
12.96	9.5	0.430	4.510	-4.50	10	3	clay
13.12	12.1	0.460	3.791	-4.50	11	3	clay
13.29	14.0	0.520	3.706	-4.80	9	4	silty clay to clay
13.45	14.9	0.570	3.818	-5.00	10	4	silty clay to clay
13.62	15.9	0.570	3.578	-4.90	10	4	silty clay to clay
13.78	17.0	0.510	2.995	-4.90	8	5	clayey silt to silty cla
13.94	15.1	0.400	2.644	-5.00	7	5	clayey silt to silty cla
14.11	12.2	0.370	3.026	-5.10	8	4	silty clay to clay
14.27	10.2	0.350	3.427	-6.00	7	4	silty clay to clay
14.44	9.4	0.340	3.610	-5.70	7	4	silty clay to clay
14.60	13.9	0.390	2.802	-5.80	8	4	silty clay to clay
14.76	15.8	0.600	3.794	-5.80	9	4	silty clay to clay
14.93	14.2	0.640	4.503	-6.00	15	3	clay
15.09	17.1	0.660	3.856	-5.70	15	3	clay
15.26	16.0	0.620	3.871	-5.70	10	4	silty clay to clay
15.42	16.0	0.540	3.371	-5.70	10	4	silty clay to clay
15.58	16.7	0.530	3.171	-5.80	8	5	clayey silt to silty cla
15.75	17.3	0.550	3.176	-5.80	8	5	clayey silt to silty cla
15.91	16.2	0.540	3.330	-5.90	8	5	clayey silt to silty cla
16.08	16.0	0.410	2.560	-5.90	8	5	clayey silt to silty cla
16.24	15.8	0.400	2.529	-5.90	7	5	clayey silt to silty cla
16.40	13.3	0.370	2.779	-5.90	6	5	clayey silt to silty cla
16.57	11.3	0.340	3.006	-6.10	7	4	silty clay to clay
16.73	10.2	0.320	3.134	-6.20	7	4	silty clay to clay
16.90	9.5	0.310	3.260	-6.30	6	4	silty clay to clay
17.06	9.2	0.300	3.258	-6.40	6	4	silty clay to clay
17.22	9.5	0.310	3.260	-6.30	9	3	clay
17.39	9.7	0.330	3.398	-6.20	9	3	clay
17.55	10.0	0.350	3.497	-6.30	9	3	clay
17.72	9.9	0.360	3.632	-6.20	10	3	clay
17.88	10.7	0.370	3.455	-6.30	10	3	clay
18.04	10.9	0.380	3.482	-6.10	7	4	silty clay to clay
18.21	10.8	0.370	3.422	-6.10	7	4	silty clay to clay
18.37	11.2	0.380	3.389	-6.10	7	4	silty clay to clay
18.54	11.1	0.380	3.419	-6.00	7	4	silty clay to clay
18.70	10.8	0.380	3.514	-6.00	7	4	silty clay to clay
18.86	10.8	0.360	3.329	-6.00	7	4	silty clay to 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
19.03	11.2	0.360	3.210	-6.00	7	4	silty clay to clay
19.19	12.8	0.370	2.887	-5.90	8	4	silty clay to clay
19.36	15.0	0.450	2.997	-5.80	9	4	silty clay to clay
19.52	14.8	0.490	3.307	-5.80	9	4	silty clay to clay
19.69	14.3	0.460	3.213	-5.90	9	4	silty clay to clay
19.85	14.4	0.430	2.983	-5.80	7	5	clayey silt to silty cla
20.01	17.2	0.470	2.730	-5.70	8	5	clayey silt to silty cla
20.18	21.5	0.620	2.881	-5.60	10	5	clayey silt to silty cla
20.34	25.9	1.120	4.321	-5.50	16	5	clayey silt to silty cla
20.51	53.3	1.940	3.638	-5.20	38	5	clayey silt to silty cla
20.67	156.9	6.040	3.849	-5.60	71	12	sand to clayey sand (*)
20.83	231.7	8.360	3.609	-10.40	108	12	sand to clayey sand (*)
21.00	286.0	8.340	2.917	-10.00	136	12	sand to clayey sand (*)
21.16	335.7	6.830	2.035	-7.90	77	8	sand to silty sand
21.33	337.8	5.850	1.732	-4.80	75	8	sand to silty sand
21.49	270.6	4.460	1.648	-0.90	68	8	sand to silty sand
21.65	249.4	2.380	0.954	0.70	49	9	sand
21.82	247.0	2.230	0.903	0.30	47	9	sand
21.98	234.5	1.920	0.819	0.40	47	9	sand
22.15	259.6	1.710	0.659	-2.20	51	9	sand
22.31	303.6	1.620	0.534	2.60	47	10	gravelly sand to sand
22.47	326.0	1.150	0.353	2.40	50	10	gravelly sand to sand
22.64	312.7	1.430	0.457	1.70	50	10	gravelly sand to sand
22.80	309.3	1.240	0.401	-1.00	48	10	gravelly sand to sand
22.97	277.2	1.110	0.400	-2.30	46	10	gravelly sand to sand
23.13	273.0	1.370	0.502	-5.60	43	10	gravelly sand to sand
23.29	264.5	1.140	0.431	-7.40	52	9	sand
23.46	274.1	1.210	0.441	-8.10	44	10	gravelly sand to sand
23.62	294.5	1.210	0.411	-8.60	47	10	gravelly sand to sand
23.79	312.8	1.200	0.384	-8.00	49	10	gravelly sand to sand
23.95	320.4	1.290	0.403	-8.40	51	10	gravelly sand to sand
24.11	328.6	1.260	0.383	-8.90	51	10	gravelly sand to sand
24.28	301.9	0.770	0.255	-8.90	49	10	gravelly sand to sand
24.44	297.3	0.530	0.178	-8.60	47	10	gravelly sand to sand
24.61	286.3	2.120	0.741	-9.10	58	9	sand
24.77	323.6	2.460	0.760	-6.20	59	9	sand
24.93	307.1	2.970	0.967	-5.50	53	9	sand
25.10	192.2	1.880	0.978	-5.60	49	9	sand
25.26	263.3	1.120	0.425	-8.90	48	9	sand
25.43	301.9	1.250	0.414	-8.70	47	10	gravelly sand to sand
25.59	318.0	1.180	0.371	-8.80	50	10	gravelly sand to sand
25.75	321.2	1.900	0.592	-9.50	49	10	gravelly sand to sand
25.92	290.3	1.470	0.506	-9.90	46	10	gravelly sand to sand
26.08	254.5	0.320	0.126	-10.60	41	10	gravelly sand to sand
26.25	218.7	1.150	0.526	-10.40	44	9	sand
26.41	209.6	1.360	0.649	-10.50	41	9	sand
26.57	209.6	1.070	0.510	-12.30	41	9	sand
26.74	220.0	0.580	0.264	-12.80	42	9	sand
26.90	221.7	1.190	0.537	-12.80	41	9	sand
27.07	207.7	1.370	0.660	-12.90	42	9	sand
27.23	223.2	0.970	0.435	-12.90	44	9	sand
27.40	251.6	0.760	0.302	-13.00	46	9	sand
27.56	244.3	0.910	0.372	-13.00	48	9	sand
27.72	257.3	1.420	0.552	-12.90	48	9	sand
27.89	245.9	2.080	0.846	-12.80	48	9	sand
28.05	249.6	0.850	0.341	-12.70	46	9	sand
28.22	222.4	0.520	0.234	-12.80	44	9	sand
28.38	218.0	0.980	0.449	-12.10	38	9	sand
28.54	152.4	2.080	1.365	-12.30	34	8	sand to silty sand
28.71	50.2	1.930	3.843	-12.20	24	7	silty sand to sandy silt

*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	24.0	0.840	3.496	-11.80	15	5	clayey silt to silty cla
29.04	20.2	0.240	1.186	-11.20	8	6	sandy silt to clayey sil
29.20	17.5	0.200	1.140	-11.10	7	6	sandy silt to clayey sil
29.36	15.3	0.240	1.565	-11.10	6	6	sandy silt to clayey sil
29.53	17.8	0.320	1.794	-11.10	7	6	sandy silt to clayey sil
29.69	20.7	0.400	1.929	-11.10	8	6	sandy silt to clayey sil
29.86	23.4	0.520	2.219	-11.20	9	6	sandy silt to clayey sil
30.02	29.5	0.660	2.234	-11.10	10	6	sandy silt to clayey sil
30.18	28.9	0.620	2.142	-11.10	11	6	sandy silt to clayey sil
30.35	26.2	0.540	2.058	-10.80	10	6	sandy silt to clayey sil
30.51	25.0	0.460	1.837	-10.90	10	6	sandy silt to clayey sil
30.68	23.3	0.410	1.756	-10.70	9	6	sandy silt to clayey sil
30.84	20.8	0.390	1.871	-10.70	8	6	sandy silt to clayey sil
31.00	22.2	0.380	1.708	-10.50	8	6	sandy silt to clayey sil
31.17	22.3	0.410	1.843	-10.40	9	6	sandy silt to clayey sil
31.33	22.2	0.360	1.625	-10.40	8	6	sandy silt to clayey sil
31.50	21.8	0.390	1.793	-10.30	8	6	sandy silt to clayey sil
31.66	20.2	0.450	2.233	-10.20	8	6	sandy silt to clayey sil
31.82	19.5	0.350	1.799	-9.90	7	6	sandy silt to clayey sil
31.99	17.7	0.180	1.019	-9.80	7	6	sandy silt to clayey sil
32.15	19.0	0.210	1.107	-9.60	7	6	sandy silt to clayey sil
32.32	16.1	0.280	1.743	-9.40	7	6	sandy silt to clayey sil
32.48	18.1	0.470	2.601	-9.20	9	5	clayey silt to silty cla
32.64	22.4	0.850	3.800	-9.00	16	4	silty clay to clay
32.81	35.2	1.640	4.663	-8.80	24	4	silty clay to clay
32.97	57.0	2.800	4.914	-8.60	36	4	silty clay to clay
33.14	75.0	3.510	4.681	-8.60	39	5	clayey silt to silty cla
33.30	110.8	3.400	3.069	-9.10	44	6	sandy silt to clayey sil
33.46	155.0	2.380	1.535	-11.40	48	7	silty sand to sandy silt
33.63	183.4	2.400	1.308	-11.70	42	8	sand to silty sand
33.79	188.6	3.770	1.998	-10.60	46	8	sand to silty sand
33.96	205.0	4.020	1.961	-11.30	49	8	sand to silty sand
34.12	222.2	2.660	1.197	-12.40	43	9	sand
34.28	243.6	1.580	0.649	-12.60	45	9	sand
34.45	243.5	1.800	0.739	-12.80	46	9	sand
34.61	238.0	1.280	0.538	-12.90	44	9	sand
34.78	212.0	1.120	0.528	-13.10	42	9	sand
34.94	200.5	1.080	0.539	-12.20	39	9	sand
35.10	200.7	1.190	0.593	-12.40	40	9	sand
35.27	221.7	1.230	0.555	-12.50	42	9	sand
35.43	239.1	1.230	0.514	-12.70	47	9	sand
35.60	277.9	1.290	0.464	-12.70	45	10	gravelly sand to sand
35.76	326.2	1.340	0.411	-12.80	46	10	gravelly sand to sand
35.93	265.8	1.490	0.561	-12.90	51	9	sand
36.09	209.7	1.290	0.615	-12.80	42	9	sand
36.25	181.9	1.140	0.627	-12.80	37	9	sand
36.42	185.6	0.850	0.458	-12.90	37	9	sand
36.58	206.5	0.770	0.373	-12.90	41	9	sand
36.75	244.0	0.830	0.340	-12.80	46	9	sand
36.91	265.5	0.990	0.373	-12.90	50	9	sand
37.07	276.3	2.240	0.811	-12.80	52	9	sand
37.24	274.9	2.070	0.753	-12.80	52	9	sand
37.40	262.6	1.560	0.594	-12.70	48	9	sand
37.57	211.2	0.970	0.459	-12.60	37	9	sand
37.73	109.0	2.240	2.055	-12.70	30	8	sand to silty sand
37.89	58.8	1.930	3.281	-12.70	26	6	sandy silt to clayey sil
38.06	34.1	1.640	4.807	-12.50	21	5	clayey silt to silty cla
38.22	35.8	1.180	3.294	-12.50	16	5	clayey silt to silty cla
38.39	29.7	0.840	2.826	-12.50	15	5	clayey silt to silty cla
38.55	25.4	0.630	2.479	-12.60	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
38.71	26.6	0.680	2.554	-12.50	11	6	sandy silt to clayey sil
38.88	31.4	0.540	1.719	-12.50	12	6	sandy silt to clayey sil
39.04	33.6	0.490	1.458	-12.60	12	6	sandy silt to clayey sil
39.21	27.2	0.410	1.506	-12.60	11	6	sandy silt to clayey sil
39.37	25.3	0.290	1.145	-12.60	9	6	sandy silt to clayey sil
39.53	19.5	0.210	1.076	-12.60	8	6	sandy silt to clayey sil
39.70	15.2	0.170	1.117	-12.70	6	6	sandy silt to clayey sil
39.86	15.2	0.120	0.789	-12.60	6	6	sandy silt to clayey sil
40.03	15.3	0.100	0.653	-12.60	6	6	sandy silt to clayey sil
40.19	13.8	0.240	1.737	-12.60	6	6	sandy silt to clayey sil
40.35	19.4	0.380	1.957	-12.50	9	6	sandy silt to clayey sil
40.52	34.5	0.490	1.419	-12.50	12	6	sandy silt to clayey sil
40.68	37.2	0.500	1.343	-12.50	11	7	silty sand to sandy silt
40.85	29.3	0.360	1.228	-12.50	11	6	sandy silt to clayey sil
41.01	22.4	0.290	1.294	-12.60	9	6	sandy silt to clayey sil
41.17	20.7	0.270	1.303	-12.50	8	6	sandy silt to clayey sil
41.34	19.3	0.570	2.950	-12.50	10	6	sandy silt to clayey sil
41.50	35.4	0.530	1.496	-12.30	15	6	sandy silt to clayey sil
41.67	59.7	0.830	1.390	-12.30	14	7	silty sand to sandy silt
41.83	36.6	0.750	2.048	-12.20	15	6	sandy silt to clayey sil
41.99	20.5	0.600	2.923	-12.20	9	6	sandy silt to clayey sil
42.16	14.4	0.250	1.733	-12.00	8	5	clayey silt to silty cla
42.32	13.3	0.190	1.426	-12.00	6	5	clayey silt to silty cla
42.49	12.4	0.190	1.529	-11.90	6	5	clayey silt to silty cla
42.65	13.7	0.180	1.311	-11.90	6	5	clayey silt to silty cla
42.81	12.1	0.160	1.319	-11.80	6	5	clayey silt to silty cla
42.98	11.7	0.140	1.194	-11.80	6	5	clayey silt to silty cla
43.14	11.2	0.130	1.157	-11.60	6	5	clayey silt to silty cla
43.31	11.8	0.170	1.437	-11.60	6	5	clayey silt to silty cla
43.47	12.7	0.190	1.492	-11.50	6	5	clayey silt to silty cla
43.64	13.5	0.210	1.551	-11.40	6	5	clayey silt to silty cla
43.80	13.8	0.210	1.517	-11.20	7	5	clayey silt to silty cla
43.96	14.4	0.220	1.524	-11.20	7	5	clayey silt to silty cla
44.13	14.3	0.270	1.883	-11.10	7	5	clayey silt to silty cla
44.29	15.5	0.320	2.059	-11.00	8	5	clayey silt to silty cla
44.46	17.6	0.260	1.481	-10.40	8	5	clayey silt to silty cla
44.62	14.8	0.230	1.559	-10.30	6	6	sandy silt to clayey sil
44.78	13.8	0.210	1.527	-10.20	7	5	clayey silt to silty cla
44.95	13.3	0.230	1.735	-10.10	7	5	clayey silt to silty cla
45.11	13.9	0.250	1.804	-10.00	7	5	clayey silt to silty cla
45.28	15.1	0.270	1.793	-9.90	7	5	clayey silt to silty cla
45.44	16.3	0.320	1.968	-9.80	8	5	clayey silt to silty cla
45.60	17.6	0.320	1.822	-9.70	8	5	clayey silt to silty cla
45.77	16.7	0.280	1.680	-9.60	6	6	sandy silt to clayey sil
45.93	15.8	0.230	1.459	-9.50	6	6	sandy silt to clayey sil
46.10	14.5	0.210	1.452	-9.50	6	6	sandy silt to clayey sil
46.26	13.8	0.210	1.526	-9.40	7	5	clayey silt to silty cla
46.42	13.3	0.210	1.583	-9.30	6	5	clayey silt to silty cla
46.59	13.2	0.220	1.671	-9.20	6	5	clayey silt to silty cla
46.75	13.3	0.220	1.658	-9.20	6	5	clayey silt to silty cla
46.92	13.5	0.210	1.559	-8.90	6	5	clayey silt to silty cla
47.08	13.6	0.180	1.326	-9.00	6	5	clayey silt to silty cla
47.24	13.2	0.210	1.594	-8.90	7	5	clayey silt to silty cla
47.41	14.6	0.200	1.372	-8.80	6	6	sandy silt to clayey sil
47.57	18.8	0.210	1.119	-8.70	6	6	sandy silt to clayey sil
47.74	15.5	0.190	1.227	-8.10	6	6	sandy silt to clayey sil
47.90	15.7	0.180	1.148	-7.90	6	6	sandy silt to clayey sil
48.06	12.6	0.160	1.271	-7.80	5	6	sandy silt to clayey sil
48.23	12.5	0.150	1.201	-7.70	5	6	sandy silt to clayey sil
48.39	12.9	0.150	1.163	-7.40	5	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
48.56	12.9	0.150	1.163	-7.30	5	6	sandy silt to clayey sil
48.72	13.4	0.150	1.120	-7.20	5	6	sandy silt to clayey sil
48.88	12.9	0.170	1.318	-7.00	5	6	sandy silt to clayey sil
49.05	13.4	0.190	1.418	-6.70	6	5	clayey silt to silty cla
49.21	14.1	0.210	1.489	-6.60	7	5	clayey silt to silty cla
49.38	14.9	0.220	1.476	-6.40	6	6	sandy silt to clayey sil
49.54	15.3	0.230	1.502	-6.20	6	6	sandy silt to clayey sil
49.70	15.2	0.230	1.512	-6.00	6	6	sandy silt to clayey sil
49.87	14.9	0.230	1.542	-5.80	7	5	clayey silt to silty cla
50.03	14.6	0.230	1.573	-5.70	7	5	clayey silt to silty cla
50.20	14.9	0.220	1.474	-5.40	6	6	sandy silt to clayey sil
50.36	15.3	0.230	1.501	-5.30	6	6	sandy silt to clayey sil
50.52	15.7	0.230	1.462	-5.10	6	6	sandy silt to clayey sil
50.69	15.7	0.230	1.462	-4.90	6	6	sandy silt to clayey sil
50.85	15.6	0.220	1.407	-4.60	6	6	sandy silt to clayey sil
51.02	16.1	0.190	1.177	-4.30	6	6	sandy silt to clayey sil
51.18	15.8	0.140	0.884	-4.00	6	6	sandy silt to clayey sil
51.35	13.7	0.130	0.946	-3.80	5	6	sandy silt to clayey sil
51.51	13.4	0.130	0.972	-1.30	5	6	sandy silt to clayey sil
51.67	13.2	0.130	0.986	-0.80	5	6	sandy silt to clayey sil
51.84	13.1	0.140	1.069	-0.40	5	6	sandy silt to clayey sil
52.00	13.5	0.140	1.037	0.00	5	6	sandy silt to clayey sil
52.17	13.7	0.130	0.948	0.50	5	6	sandy silt to clayey sil
52.33	14.5	0.150	1.034	0.80	6	6	sandy silt to clayey sil
52.49	16.2	0.160	0.987	1.10	6	6	sandy silt to clayey sil
52.66	17.2	0.170	0.988	0.70	7	6	sandy silt to clayey sil
52.82	18.1	0.180	0.993	1.30	7	6	sandy silt to clayey sil
52.99	20.1	0.160	0.795	1.90	7	6	sandy silt to clayey sil
53.15	19.8	0.200	1.008	2.60	8	6	sandy silt to clayey sil
53.31	20.9	0.210	1.003	3.30	8	6	sandy silt to clayey sil
53.48	21.0	0.240	1.145	3.90	8	6	sandy silt to clayey sil
53.64	20.8	0.330	1.589	4.70	8	6	sandy silt to clayey sil
53.81	22.7	0.280	1.235	5.50	8	6	sandy silt to clayey sil
53.97	22.8	0.340	1.492	6.10	8	6	sandy silt to clayey sil
54.13	19.6	0.300	1.531	7.00	8	6	sandy silt to clayey sil
54.30	21.0	0.280	1.334	6.20	8	6	sandy silt to clayey sil
54.46	19.3	0.320	1.659	6.00	8	6	sandy silt to clayey sil
54.63	20.4	0.390	1.912	7.10	8	6	sandy silt to clayey sil
54.79	23.4	0.470	2.007	8.30	10	6	sandy silt to clayey sil
54.95	31.9	0.630	1.975	14.20	11	6	sandy silt to clayey sil
55.12	31.6	0.750	2.374	13.80	15	6	sandy silt to clayey sil
55.28	55.3	0.770	1.392	9.00	15	7	silty sand to sandy silt
55.45	54.8	0.830	1.515	0.10	15	7	silty sand to sandy silt
55.61	34.7	0.840	2.421	-0.40	15	6	sandy silt to clayey sil
55.77	25.1	0.610	2.429	0.90	11	6	sandy silt to clayey sil
55.94	25.9	0.510	1.967	2.00	10	6	sandy silt to clayey sil
56.10	23.9	0.460	1.921	2.90	9	6	sandy silt to clayey sil
56.27	23.6	0.390	1.656	3.70	9	6	sandy silt to clayey sil
56.43	21.8	0.370	1.699	5.10	8	6	sandy silt to clayey sil
56.59	20.4	0.420	2.060	6.40	9	6	sandy silt to clayey sil
56.76	31.8	0.410	1.289	8.00	10	6	sandy silt to clayey sil
56.92	24.6	0.420	1.708	6.50	10	6	sandy silt to clayey sil
57.09	18.2	0.270	1.482	8.30	8	6	sandy silt to clayey sil
57.25	17.6	0.200	1.133	10.10	7	6	sandy silt to clayey sil
57.41	16.7	0.190	1.139	12.40	7	6	sandy silt to clayey sil
57.58	16.6	0.170	1.023	14.80	6	6	sandy silt to clayey sil
57.74	16.9	0.170	1.003	17.30	6	6	sandy silt to clayey sil
57.91	17.3	0.090	0.521	20.10	6	6	sandy silt to clayey sil
58.07	16.6	0.230	1.382	23.50	7	6	sandy silt to clayey sil
58.23	18.8	0.330	1.758	60.80	8	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
58.40	23.6	0.370	1.568	61.80	8	6	sandy silt to clayey sil
58.56	20.8	0.380	1.827	62.30	8	6	sandy silt to clayey sil
58.73	19.9	0.300	1.509	68.00	8	6	sandy silt to clayey sil
58.89	19.6	0.290	1.478	71.00	8	6	sandy silt to clayey sil
59.06	20.5	0.330	1.607	78.70	8	6	sandy silt to clayey sil
59.22	23.7	0.390	1.643	78.70	9	6	sandy silt to clayey sil
59.38	26.7	0.470	1.760	83.70	10	6	sandy silt to clayey sil
59.55	28.0	0.550	1.966	74.50	10	6	sandy silt to clayey sil
59.71	27.4	0.550	2.009	68.20	11	6	sandy silt to clayey sil
59.88	30.9	1.000	3.238	75.00	15	6	sandy silt to clayey sil
60.04	61.8	0.850	1.376	18.30	15	7	silty sand to sandy silt
60.20	47.3	0.500	1.057	8.70	0	0	<out of range>
60.37	26.1	-32768	-32768	17.90	0	0	<out of range>
60.53	35.3	-32768	-32768	29.90	0	0	<out of range>

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