Data File:CPT372 09-19-05 12:59
Operator:B. BUCKNAM Location:HP-10
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	7.8	0.150	1.923	0.00	4	4	silty clay to clay
0.33	10.2	0.270	2.647	0.00	6	4	silty clay to clay
0.49	9.8	0.270	2.755	0.00	6	4	silty clay to clay
0.66	9.1	0.390	4.286	0.00	10	3	clay
0.82	13.0	0.620	4.770	-0.10	11	3	clay
0.98	13.7	0.590	4.307	0.00	13	3	clay
1.15	13.4	0.480	3.582	0.00	12	3	clay
1.31	10.6	0.420	3.962	0.00	11	3	clay
1.48	11.0	0.630	5.727	0.00	11	3	clay
1.64	11.5	0.790	6.870	-0.10	12	3	clay
1.80	15.5	0.690	4.452	-0.20	12	3	clay
1.97	10.8	0.400	3.704	-0.10	11	3	clay
2.13	8.1	0.330	4.075	-0.10	9	3	clay
2.30	8.7	0.420	4.828	-0.10	8	3	clay
2.46	8.5	0.480	5.648	-0.10	8	3	clay
2.62	8.9	0.560	6.293	-0.10	9	3	clay
2.79	11.0	0.610	5.547	-0.20	10	3	clay
2.95	10.8	0.540	5.001	-0.10	10	3	clay
3.12	10.7	0.610	5.702	-0.10	11	3	clay
3.28	13.1	0.720	5.497	-0.10	11	3	clay
3.44	10.9	0.630	5.781	-0.10	11	3	clay
3.61	9.5	0.480	5.053	-0.10	9	3	clay
3.77	9.1	0.510	5.606	-0.20	9	3	clay
3.94	9.3	0.580	6.238	-0.20	10	3	clay
4.10	12.7	0.690	5.434	-0.20	10	3	clay
4.27	10.6	0.710	6.699	-0.10	10	3	clay
4.43	9.3	0.700	7.528	-0.10	11	3	clay
4.59	13.2	0.850	6.441	-0.20	11	3	clay
4.76	13.0	0.870	6.695	-0.30	12	3	clay
4.92	11.7	0.840	7.182	-0.30	12	3	clay
5.09	12.3	0.840	6.840	-1.30	12	3	clay
5.25	12.3	0.820	6.685	-2.40	11	3	clay
5.41	11.4	0.760	6.678	-1.30	11	3	clay
5.58	11.6	0.730	6.300	-0.90	11	3	clay
5.74	11.6	0.810	6.993	-1.20	11	3	clay
5.91	11.9	0.870	7.322	-1.20	11	3	clay
6.07	11.6	0.840	7.256	-1.60	11	3	clay
6.23	10.6	0.800	7.566	-1.80	11	3	clay
6.40	10.8	0.730	6.775	-1.70	10	3	clay
6.56	10.7	0.710	6.649	-1.50	10	3	clay
6.73	11.0	0.700	6.374	-1.30	10	3	clay
6.89	10.4	0.690	6.649	-1.60	10	3	clay
7.05	9.3	0.620	6.689	-2.20	9	3	clay
7.22	8.0	0.550	6.899	-1.90	8	3	clay
7.38	6.8	0.420	6.196	-1.50	6	3	clay
7.55	5.6	0.340	6.079	-0.50	6	3	clay
7.71	5.9	0.290	4.920	-0.40	6	3	clay
7.87	6.4	0.320	5.005	-0.40	6	3	clay
8.04	7.2	0.420	5.838	-0.40	7	3	clay
8.20	7.5	0.470	6.280	-1.10	7	3	clay
8.37	7.3	0.450	6.177	-1.00	7	3	clay
8.53	6.7	0.450	6.729	-0.90	7	3	clay
8.69	6.9	0.480	6.970	-0.90	7	3	clay
8.86	6.9	0.480	6.973	-1.10	7	3	clay
9.02	7.3	0.430	5.900	-0.80	7	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	6.8	0.410	6.043	-1.10	7	3	clay
9.35	7.1	0.420	5.925	-0.80	7	3	clay
9.51	7.9	0.430	5.452	-0.90	7	3	clay
9.68	7.3	0.470	6.455	-1.30	7	3	clay
9.84	7.3	0.460	6.320	-1.50	7	3	clay
10.01	7.5	0.440	5.882	-1.40	7	3	clay
10.17	8.2	0.460	5.624	-1.40	8	3	clay
10.33	8.9	0.470	5.295	-1.60	8	3	clay
10.50	8.9	0.480	5.409	-1.80	8	3	clay
10.66	8.8	0.470	5.358	-1.90	9	3	clay
10.83	9.4	0.480	5.121	-1.80	9	3	clay
10.99	9.7	0.480	4.963	-2.00	9	3	clay
11.15	9.8	0.470	4.809	-1.80	10	3	clay
11.32	10.4	0.470	4.531	-1.80	10	3	clay
11.48	11.1	0.490	4.424	-1.70	10	3	clay
11.65	10.9	0.500	4.599	-1.90	10	3	clay
11.81	10.7	0.500	4.686	-2.00	10	3	clay
11.98	11.2	0.560	5.014	-2.10	11	3	clay
12.14	12.1	0.600	4.971	-2.10	11	3	clay
12.30	12.7	0.580	4.579	-2.30	12	3	clay
12.47	13.3	0.560	4.221	-2.20	13	3	clay
12.63	13.3	0.490	3.693	-2.20	12	3	clay
12.80	12.1	0.460	3.812	-2.30	8	4	silty clay to clay
12.96	11.3	0.400	3.550	-2.20	7	4	silty clay to clay
13.12	11.4	0.370	3.255	-2.20	7	4	silty clay to clay
13.29	11.2	0.350	3.133	-2.00	7	4	silty clay to clay
13.45	11.3	0.340	3.016	-1.90	7	4	silty clay to clay
13.62	11.3	0.340	3.016	-1.90	7	4	silty clay to clay
13.78	10.8	0.320	2.970	-1.80	7	4	silty clay to clay
13.94	10.7	0.370	3.466	-1.70	7	4	silty clay to clay
14.11	13.0	0.350	2.697	-1.60	7	4	silty clay to clay
14.27	10.6	0.360	3.388	-5.20	7	4	silty clay to clay
14.44	10.9	0.400	3.661	-5.20	11	3	clay
14.60	11.8	0.510	4.312	-5.00	12	3	clay
14.76	16.0	0.570	3.551	-3.50	9	4	silty clay to clay
14.93	16.0	0.550	3.448	-3.40	10	4	silty clay to clay
15.09	15.9	0.510	3.217	-3.30	10	4	silty clay to clay
15.26	15.4	0.550	3.582	-3.10	10	4	silty clay to clay
15.42	16.8	0.580	3.462	-3.10	11	4	silty clay to clay
15.58	18.0	0.670	3.731	-3.00	11	4	silty clay to clay
15.75	17.6	0.660	3.759	-3.00	11	4	silty clay to clay
15.91	14.1	0.510	3.628	-2.90	11	4	silty clay to clay
16.08	18.3	0.470	2.574	-2.80	10	4	silty clay to clay
16.24	14.4	0.880	6.131	-3.20	13	4	silty clay to clay
16.40	28.9	0.980	3.396	-3.10	14	4	silty clay to clay
16.57	24.5	0.970	3.967	-10.40	17	4	silty clay to clay
16.73	25.0	1.130	4.529	-10.30	15	5	clayey silt to silty cla
16.90	45.7	1.330	2.913	-10.20	22	5	clayey silt to silty cla
17.06	66.5	2.310	3.476	-10.20	33	6	sandy silt to clayey sil
17.22	145.9	4.210	2.886	-9.90	50	7	silty sand to sandy silt
17.39	261.5	4.840	1.851	-10.40	53	8	sand to silty sand
17.55	254.0	3.540	1.394	-10.40	61	8	sand to silty sand
17.72	248.2	4.710	1.897	-11.60	57	8	sand to silty sand
17.88	208.3	4.220	2.026	-12.10	52	8	sand to silty sand
18.04	200.2	4.370	2.183	-12.00	53	8	sand to silty sand
18.21	250.3	3.980	1.590	-11.20	55	8	sand to silty sand
18.37	243.6	2.240	0.919	-11.30	48	9	sand
18.54	251.8	1.650	0.655	-11.40	48	9	sand
18.70	258.4	1.220	0.472	-11.40	50	9	sand
18.86	268.5	1.240	0.462	-11.40	48	9	sand

*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	223.0	1.010	0.453	-11.50	45	9	sand
19.19	219.7	1.280	0.583	-11.30	45	9	sand
19.36	262.6	1.420	0.541	-10.60	46	9	sand
19.52	242.9	1.980	0.815	-10.50	47	9	sand
19.69	236.5	1.660	0.702	-10.40	45	9	sand
19.85	233.1	1.300	0.558	-10.40	44	9	sand
20.01	221.8	1.080	0.487	-10.40	43	9	sand
20.18	221.3	0.880	0.398	-10.30	42	9	sand
20.34	217.3	1.430	0.658	-10.30	44	9	sand
20.51	257.5	1.410	0.548	-10.20	50	9	sand
20.67	305.8	1.740	0.569	-10.30	47	10	gravelly sand to sand
20.83	314.4	1.180	0.375	-10.00	49	10	gravelly sand to sand
21.00	296.2	1.400	0.473	-9.70	47	10	gravelly sand to sand
21.16	267.5	0.920	0.344	-2.10	44	10	gravelly sand to sand
21.33	260.2	1.160	0.446	-9.00	50	9	sand
21.49	253.6	1.290	0.509	-9.00	50	9	sand
21.65	265.6	1.380	0.520	-8.50	50	9	sand
21.82	268.3	1.980	0.738	-8.40	47	9	sand
21.98	204.8	1.740	0.850	-7.50	42	9	sand
22.15	182.8	1.190	0.651	-6.40	39	9	sand
22.31	223.5	1.550	0.693	-5.10	41	9	sand
22.47	230.5	1.990	0.863	-4.40	41	9	sand
22.64	184.7	2.200	1.191	-3.50	38	9	sand
22.80	187.0	1.680	0.899	-1.70	37	9	sand
22.97	202.5	1.240	0.612	-4.60	40	9	sand
23.13	237.9	1.680	0.706	-4.00	46	9	sand
23.29	273.3	1.960	0.717	-6.70	48	9	sand
23.46	244.4	2.060	0.843	-7.80	47	9	sand
23.62	224.4	2.170	0.967	-8.40	42	9	sand
23.79	192.9	3.770	1.955	-7.90	45	8	sand to silty sand
23.95	141.0	4.670	3.312	-7.60	49	7	silty sand to sandy silt
24.11	130.4	4.360	3.344	-8.60	50	6	sandy silt to clayey sil
24.28	120.4	2.880	2.393	-10.10	37	7	silty sand to sandy silt
24.44	93.3	1.220	1.307	-11.70	28	7	silty sand to sandy silt
24.61	53.7	1.230	2.289	-11.90	22	6	sandy silt to clayey sil
24.77	23.4	1.080	4.610	-11.90	15	5	clayey silt to silty cla
24.93	14.0	0.790	5.631	-11.90	15	3	clay
25.10	10.8	0.550	5.078	-11.80	12	3	clay
25.26	12.0	0.580	4.821	-11.70	12	3	clay
25.43	13.4	0.740	5.509	-11.70	13	3	clay
25.59	14.2	0.790	5.551	-11.70	13	3	clay
25.75	13.8	0.750	5.422	-11.60	13	3	clay
25.92	12.3	0.670	5.433	-11.60	12	3	clay
26.08	11.1	0.620	5.569	-11.60	11	3	clay
26.25	10.0	0.500	4.984	-11.60	9	3	clay
26.41	7.4	0.430	5.785	-11.60	8	3	clay
26.57	7.6	0.400	5.240	-11.60	8	3	clay
26.74	10.0	0.490	4.880	-11.10	10	3	clay
26.90	13.7	0.570	4.148	-10.90	13	3	clay
27.07	16.2	0.650	4.002	-11.00	10	4	silty clay to clay
27.23	18.7	0.740	3.948	-10.80	12	4	silty clay to clay
27.40	20.9	0.810	3.868	-10.90	13	4	silty clay to clay
27.56	22.4	0.900	4.010	-10.80	14	4	silty clay to clay
27.72	22.6	0.960	4.239	-10.80	14	4	silty clay to clay
27.89	21.3	0.970	4.544	-10.70	21	3	clay
28.05	21.2	0.960	4.538	-10.10	20	3	clay
28.22	21.0	0.900	4.295	-10.10	20	3	clay
28.38	20.3	0.850	4.197	-10.10	13	4	silty clay to clay
28.54	20.0	0.840	4.209	-10.00	13	4	silty clay to clay
28.71	20.4	0.840	4.127	-10.00	13	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
28.87	21.3	0.920	4.328	-9.90	14	4	silty clay to clay
29.04	22.5	0.990	4.408	-9.90	21	3	clay
29.20	23.2	1.020	4.404	-9.80	15	4	silty clay to clay
29.36	24.2	1.010	4.181	-9.80	15	4	silty clay to clay
29.53	25.0	1.020	4.087	-9.80	16	4	silty clay to clay
29.69	25.9	1.040	4.021	-9.60	16	4	silty clay to clay
29.86	26.6	1.050	3.953	-9.70	17	4	silty clay to clay
30.02	27.1	1.010	3.732	-9.70	17	4	silty clay to clay
30.18	26.6	0.970	3.652	-9.60	13	5	clayey silt to silty cla
30.35	26.7	0.080	0.300	-9.60	10	6	sandy silt to clayey sil
30.51	25.1	0.840	3.352	-9.50	10	5	clayey silt to silty cla
30.68	8.3	0.720	8.704	-8.90	12	4	silty clay to clay
30.84	22.9	0.630	2.754	-8.90	11	4	silty clay to clay
31.00	18.3	0.560	3.065	-8.80	9	5	clayey silt to silty cla
31.17	14.1	0.470	3.340	-8.80	9	4	silty clay to clay
31.33	11.6	0.400	3.457	-8.90	8	4	silty clay to clay
31.50	10.8	0.320	2.970	-8.70	7	4	silty clay to clay
31.66	10.2	0.300	2.948	-8.70	7	4	silty clay to clay
31.82	10.2	0.270	2.653	-8.60	6	4	silty clay to clay
31.99	9.9	0.270	2.734	-8.60	6	4	silty clay to clay
32.15	10.2	0.300	2.948	-8.50	7	4	silty clay to clay
32.32	13.5	0.380	2.819	-8.40	9	4	silty clay to clay
32.48	17.8	0.690	3.881	-8.30	11	5	clayey silt to silty cla
32.64	38.0	1.090	2.870	-8.20	17	5	clayey silt to silty cla
32.81	48.8	1.980	4.059	-8.20	25	5	clayey silt to silty cla
32.97	67.9	3.080	4.537	-8.00	39	5	clayey silt to silty cla
33.14	128.5	4.410	3.432	-8.20	45	6	sandy silt to clayey sil
33.30	158.9	5.120	3.223	-8.90	60	6	sandy silt to clayey sil
33.46	181.1	5.090	2.811	-9.20	59	7	silty sand to sandy silt
33.63	216.1	3.810	1.763	-9.50	66	7	silty sand to sandy silt
33.79	219.1	4.280	1.954	-9.80	54	8	sand to silty sand
33.96	240.3	3.600	1.498	-9.80	53	8	sand to silty sand
34.12	208.8	3.070	1.471	-9.20	51	8	sand to silty sand
34.28	188.5	2.140	1.136	4.20	40	9	sand
34.45	230.5	1.750	0.759	-6.60	46	9	sand
34.61	294.2	1.510	0.513	-8.70	53	9	sand
34.78	303.0	2.490	0.822	-9.70	50	9	sand
34.94	192.7	3.170	1.645	-9.40	47	8	sand to silty sand
35.10	94.5	2.020	2.138	-9.00	37	8	sand to silty sand
35.27	175.3	1.310	0.747	-9.00	36	8	sand to silty sand
35.43	185.7	1.060	0.571	-9.00	35	9	sand
35.60	181.6	2.770	1.526	-9.30	42	8	sand to silty sand
35.76	154.0	4.710	3.059	-9.40	52	7	silty sand to sandy silt
35.93	151.4	5.290	3.495	-9.60	54	7	silty sand to sandy silt
36.09	199.5	4.340	2.176	-10.10	66	7	silty sand to sandy silt
36.25	269.6	3.200	1.187	-10.30	51	9	sand
36.42	334.6	2.460	0.735	-10.50	62	9	sand
36.58	366.8	1.910	0.521	-10.90	58	10	gravelly sand to sand
36.75	385.8	2.080	0.539	-10.90	60	10	gravelly sand to sand
36.91	371.6	2.440	0.657	-10.70	62	10	gravelly sand to sand
37.07	414.0	2.580	0.623	-10.80	65	10	gravelly sand to sand
37.24	432.5	3.020	0.698	-10.80	68	10	gravelly sand to sand
37.40	436.8	0.040	0.009	-10.90	73	10	gravelly sand to sand
37.57	507.7	3.840	0.756	-10.90	67	9	sand
37.73	100.6	3.770	3.749	-9.90	60	10	gravelly sand to sand
37.89	518.9	-0.180	-0.035	-9.80	62	10	gravelly sand to sand
38.06	546.2	-0.180	-0.033	-10.50	0	0	<out of range>
38.22	97.5	-0.180	-0.185	11.00	39	10	gravelly sand to sand
38.39	97.4	2.620	2.691	11.00	31	7	silty sand to sandy silt
38.55	97.4	3.000	3.081	11.00	57	8	sand to silty sand

*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	515.2	4.470	0.868	-5.40	69	9	sand
38.88	467.8	4.590	0.981	-9.70	73	10	gravelly sand to sand
39.04	390.0	2.520	0.646	-10.50	63	10	gravelly sand to sand
39.21	336.0	2.470	0.735	-10.50	60	10	gravelly sand to sand
39.37	400.4	2.560	0.639	-11.30	62	10	gravelly sand to sand
39.53	431.8	2.230	0.516	-11.50	68	10	gravelly sand to sand
39.70	448.0	1.870	0.417	-11.60	73	10	gravelly sand to sand
39.86	487.7	2.420	0.496	-11.50	77	10	gravelly sand to sand
40.03	510.5	2.820	0.552	-11.40	79	10	gravelly sand to sand
40.19	492.3	2.610	0.530	-11.30	77	10	gravelly sand to sand
40.35	448.1	2.410	0.538	-11.10	74	10	gravelly sand to sand
40.52	457.5	2.480	0.542	-11.20	73	10	gravelly sand to sand
40.68	475.9	2.520	0.529	-11.30	76	10	gravelly sand to sand
40.85	492.1	1.760	0.358	-11.30	80	10	gravelly sand to sand
41.01	541.5	1.810	0.334	-11.40	83	10	gravelly sand to sand
41.17	528.8	3.170	0.599	-1.20	86	10	gravelly sand to sand
41.34	546.7	3.370	0.616	-11.80	82	10	gravelly sand to sand
41.50	472.4	2.070	0.438	-12.40	76	10	gravelly sand to sand
41.67	404.1	1.990	0.492	-12.30	68	10	gravelly sand to sand
41.83	396.0	2.930	0.740	-12.40	63	10	gravelly sand to sand
41.99	375.5	3.440	0.916	-12.30	61	10	gravelly sand to sand
42.16	367.4	2.410	0.656	-12.30	59	10	gravelly sand to sand
42.32	363.8	1.990	0.547	-12.30	56	10	gravelly sand to sand
42.49	327.2	0.770	0.235	-12.30	49	10	gravelly sand to sand
42.65	233.2	1.040	0.446	-12.20	43	9	sand
42.81	112.4	1.720	1.530	-10.70	32	8	sand to silty sand
42.98	55.1	1.590	2.883	-10.50	21	7	silty sand to sandy silt
43.14	34.3	0.940	2.744	-9.90	14	6	sandy silt to clayey sil
43.31	21.7	0.470	2.170	-9.50	10	6	sandy silt to clayey sil
43.47	18.6	0.380	2.047	-9.40	10	5	clayey silt to silty cla
43.64	19.8	0.390	1.973	-9.20	9	5	clayey silt to silty cla
43.80	19.0	0.450	2.372	-9.00	9	5	clayey silt to silty cla
43.96	20.4	0.700	3.436	-8.90	11	5	clayey silt to silty cla
44.13	29.6	0.660	2.232	-8.70	12	5	clayey silt to silty cla
44.29	24.1	0.520	2.160	-8.60	9	6	sandy silt to clayey sil
44.46	16.8	0.400	2.384	-8.60	9	5	clayey silt to silty cla
44.62	15.6	0.290	1.861	-8.30	7	5	clayey silt to silty cla
44.78	13.9	0.290	2.089	-8.30	7	5	clayey silt to silty cla
44.95	11.8	0.320	2.716	-8.20	6	5	clayey silt to silty cla
45.11	12.0	0.330	2.753	-8.00	6	5	clayey silt to silty cla
45.28	12.9	0.320	2.483	-7.80	6	5	clayey silt to silty cla
45.44	13.4	0.320	2.390	-7.60	7	5	clayey silt to silty cla
45.60	14.8	0.340	2.297	-7.00	7	5	clayey silt to silty cla
45.77	16.2	0.360	2.222	-6.90	8	5	clayey silt to silty cla
45.93	16.8	0.380	2.261	-6.60	8	5	clayey silt to silty cla
46.10	15.6	0.360	2.307	-6.40	7	5	clayey silt to silty cla
46.26	14.1	0.320	2.268	-6.20	7	5	clayey silt to silty cla
46.42	12.6	0.290	2.299	-5.90	6	5	clayey silt to silty cla
46.59	11.5	0.250	2.171	-5.70	6	5	clayey silt to silty cla
46.75	11.3	0.230	2.031	-5.40	5	5	clayey silt to silty cla
46.92	10.9	0.220	2.013	-5.10	5	5	clayey silt to silty cla
47.08	10.6	0.230	2.163	-4.70	5	5	clayey silt to silty cla
47.24	11.3	0.250	2.205	-4.30	5	5	clayey silt to silty cla
47.41	12.2	0.270	2.205	-4.00	6	5	clayey silt to silty cla
47.57	12.3	0.270	2.204	-3.40	6	5	clayey silt to silty cla
47.74	12.4	0.270	2.185	-2.90	6	5	clayey silt to silty cla
47.90	12.4	0.260	2.103	-2.40	6	5	clayey silt to silty cla
48.06	12.2	0.240	1.971	-1.70	6	5	clayey silt to silty cla
48.23	11.9	0.240	2.019	-1.10	6	5	clayey silt to silty cla
48.39	11.6	0.210	1.811	-0.20	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
48.56	11.0	0.200	1.817	0.60	5	5	clayey silt to silty cla
48.72	10.5	0.210	1.996	1.60	5	5	clayey silt to silty cla
48.88	10.7	0.220	2.048	3.00	5	5	clayey silt to silty cla
49.05	12.6	0.290	2.309	4.20	6	5	clayey silt to silty cla
49.21	15.9	0.450	2.839	10.60	8	5	clayey silt to silty cla
49.38	20.9	0.550	2.635	12.10	9	5	clayey silt to silty cla
49.54	19.7	0.640	3.243	9.40	10	5	clayey silt to silty cla
49.70	19.8	0.650	3.288	11.60	9	5	clayey silt to silty cla
49.87	19.2	0.670	3.491	13.50	9	5	clayey silt to silty cla
50.03	18.3	0.640	3.493	15.40	12	4	silty clay to clay
50.20	16.8	0.540	3.223	17.50	11	4	silty clay to clay
50.36	14.7	0.490	3.335	20.30	10	4	silty clay to clay
50.52	14.7	0.470	3.187	24.00	8	5	clayey silt to silty cla
50.69	17.7	0.430	2.430	27.70	8	5	clayey silt to silty cla
50.85	18.5	0.410	2.220	32.30	8	5	clayey silt to silty cla
51.02	16.0	0.420	2.624	35.10	8	5	clayey silt to silty cla
51.18	15.8	0.440	2.783	42.20	8	5	clayey silt to silty cla
51.35	15.7	0.470	2.990	42.90	7	5	clayey silt to silty cla
51.51	14.9	0.460	3.097	45.40	9	4	silty clay to clay
51.67	13.9	0.440	3.168	47.90	9	4	silty clay to clay
51.84	14.1	0.460	3.269	53.70	9	4	silty clay to clay
52.00	15.1	0.510	3.369	58.20	10	4	silty clay to clay
52.17	15.9	0.580	3.639	58.30	10	4	silty clay to clay
52.33	16.5	0.570	3.464	52.50	10	4	silty clay to clay
52.49	15.1	0.510	3.375	49.30	10	4	silty clay to clay
52.66	14.7	0.440	2.997	68.00	9	4	silty clay to clay
52.82	14.8	0.450	3.046	74.50	9	4	silty clay to clay
52.99	15.0	0.510	3.410	66.50	10	4	silty clay to clay
53.15	15.3	0.530	3.463	69.90	10	4	silty clay to clay
53.31	15.2	0.510	3.345	72.80	10	4	silty clay to clay
53.48	15.1	0.510	3.367	72.60	10	4	silty clay to clay
53.64	15.1	0.490	3.250	74.90	10	4	silty clay to clay
53.81	14.5	0.460	3.178	74.70	9	4	silty clay to clay
53.97	13.8	0.420	3.033	79.70	9	4	silty clay to clay
54.13	13.9	0.420	3.020	83.90	9	4	silty clay to clay
54.30	14.2	0.430	3.037	87.30	9	4	silty clay to clay
54.46	15.0	0.430	2.866	90.50	7	5	clayey silt to silty cla
54.63	15.7	0.450	2.866	90.30	7	5	clayey silt to silty cla
54.79	15.9	0.460	2.896	89.30	8	5	clayey silt to silty cla
54.95	16.4	0.440	2.685	89.40	8	5	clayey silt to silty cla
55.12	16.3	0.480	2.946	89.70	11	4	silty clay to clay
55.28	18.4	1.110	6.048	94.00	18	4	silty clay to clay
55.45	49.3	1.960	3.977	19.50	22	6	sandy silt to clayey sil
55.61	107.8	1.860	1.726	-8.00	32	7	silty sand to sandy silt
55.77	143.8	1.090	0.758	-10.20	32	8	sand to silty sand
55.94	144.5	0.690	0.477	-10.50	25	9	sand
56.10	102.5	1.180	1.151	-10.90	23	8	sand to silty sand
56.27	45.7	1.100	2.405	-10.90	17	7	silty sand to sandy silt
56.43	15.8	0.920	5.805	-10.50	12	5	clayey silt to silty cla
56.59	14.5	0.420	2.906	-10.20	10	4	silty clay to clay
56.76	16.9	0.340	2.017	-10.10	7	5	clayey silt to silty cla
56.92	15.5	0.320	2.070	-9.90	8	5	clayey silt to silty cla
57.09	17.3	0.410	2.375	-9.70	9	5	clayey silt to silty cla
57.25	22.3	0.400	1.797	-9.50	9	5	clayey silt to silty cla
57.41	15.6	0.430	2.762	-9.30	9	5	clayey silt to silty cla
57.58	16.1	0.390	2.427	-9.20	8	5	clayey silt to silty cla
57.74	17.8	0.350	1.970	-9.00	8	5	clayey silt to silty cla
57.91	16.5	0.310	1.882	-8.80	8	5	clayey silt to silty cla
58.07	15.6	0.330	2.119	-8.70	8	5	clayey silt to silty cla
58.23	15.7	0.360	2.296	-8.50	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
58.40	17.1	0.420	2.459	-8.40	8	5	clayey silt to silty cla
58.56	18.9	0.470	2.489	-8.20	9	5	clayey silt to silty cla
58.73	19.7	0.540	2.743	-8.10	10	5	clayey silt to silty cla
58.89	24.8	0.880	3.551	-8.00	14	5	clayey silt to silty cla
59.06	45.4	1.330	2.930	-7.70	25	4	silty clay to clay
59.22	47.9	2.650	5.533	-7.60	32	5	clayey silt to silty cla
59.38	108.6	4.830	4.448	-7.00	90	11	very stiff fine grained (
59.55	126.8	5.750	4.535	-7.70	107	11	very stiff fine grained (
59.71	99.0	5.540	5.598	-9.80	102	11	very stiff fine grained (
59.88	92.8	5.560	5.988	-10.50	94	11	very stiff fine grained (
60.04	103.6	5.640	5.442	-10.80	110	11	very stiff fine grained (
60.20	146.9	5.330	3.627	-10.90	52	6	sandy silt to clayey sil
60.37	155.2	4.080	2.628	-11.30	0	0	<out of range>
60.53	152.2	-32768	-32768	-11.40	0	0	<out of range>
60.70	131.7	-32768	-32768	-11.50	0	0	<out of range>

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