Data File:CPT365 09-14-05 13:15
Operator:B. BUCKNAM Location:HP-04
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	5.6	0.180	3.215	-0.10	4	3	clay
0.33	8.2	0.210	2.561	0.00	5	4	silty clay to clay
0.49	8.9	0.150	1.686	-0.10	5	4	silty clay to clay
0.66	6.5	0.120	1.847	-0.10	5	4	silty clay to clay
0.82	6.9	0.180	2.609	0.00	4	4	silty clay to clay
0.98	7.7	0.280	3.636	0.00	7	3	clay
1.15	8.0	0.330	4.125	0.00	9	3	clay
1.31	11.3	0.320	2.832	0.00	6	4	silty clay to clay
1.48	9.2	0.240	2.609	0.00	6	4	silty clay to clay
1.64	8.0	0.180	2.250	0.00	5	4	silty clay to clay
1.80	6.9	0.230	3.333	0.00	5	4	silty clay to clay
1.97	10.1	0.320	3.168	0.10	8	3	clay
2.13	8.9	0.350	3.932	0.10	9	3	clay
2.30	7.8	0.290	3.717	0.20	7	3	clay
2.46	6.7	0.240	3.581	0.20	7	3	clay
2.62	7.0	0.290	4.141	0.20	7	3	clay
2.79	9.5	0.300	3.157	0.10	8	3	clay
2.95	8.9	0.260	2.921	0.10	5	4	silty clay to clay
3.12	7.2	0.210	2.916	0.10	5	4	silty clay to clay
3.28	6.7	0.170	2.536	0.20	4	4	silty clay to clay
3.44	6.9	0.200	2.897	0.20	5	4	silty clay to clay
3.61	10.6	0.250	2.358	0.20	6	4	silty clay to clay
3.77	12.3	0.290	2.357	0.20	6	5	clayey silt to silty cla
3.94	12.4	0.330	2.661	0.20	7	5	clayey silt to silty cla
4.10	16.4	0.480	2.926	0.20	8	5	clayey silt to silty cla
4.27	19.6	0.720	3.673	0.20	11	4	silty clay to clay
4.43	16.0	0.910	5.687	0.10	16	3	clay
4.59	15.6	0.970	6.217	0.10	15	3	clay
4.76	16.1	0.950	5.901	0.00	16	3	clay
4.92	17.2	0.980	5.702	-1.00	16	3	clay
5.09	17.2	1.010	5.878	-1.10	16	3	clay
5.25	17.2	0.990	5.762	-1.30	16	3	clay
5.41	16.9	0.930	5.510	-1.40	16	3	clay
5.58	15.9	0.920	5.796	-1.80	15	3	clay
5.74	15.1	0.870	5.771	-1.70	14	3	clay
5.91	14.0	0.760	5.436	-1.40	13	3	clay
6.07	13.0	0.670	5.161	-1.30	13	3	clay
6.23	13.0	0.650	5.007	-1.20	13	3	clay
6.40	13.7	0.700	5.117	-1.40	13	3	clay
6.56	14.5	0.750	5.180	-1.40	14	3	clay
6.73	15.0	0.790	5.275	-1.60	14	3	clay
6.89	14.8	0.790	5.347	-1.80	14	3	clay
7.05	15.2	0.810	5.338	-1.70	15	3	clay
7.22	15.6	0.780	5.009	-1.90	15	3	clay
7.38	15.2	0.700	4.614	-2.10	15	3	clay
7.55	15.6	0.670	4.304	-2.30	15	3	clay
7.71	15.4	0.660	4.295	-2.20	15	3	clay
7.87	15.2	0.730	4.812	-2.10	14	3	clay
8.04	14.9	0.740	4.978	-2.30	14	3	clay
8.20	14.2	0.760	5.364	-2.10	14	3	clay
8.37	14.4	0.740	5.150	-2.10	14	3	clay
8.53	14.0	0.680	4.868	-2.10	14	3	clay
8.69	14.4	0.670	4.661	-1.70	14	3	clay
8.86	16.0	0.810	5.072	-2.00	15	3	clay
9.02	15.5	0.890	5.754	-2.20	14	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	13.7	0.770	5.635	-2.40	13	3	clay
9.35	12.3	0.660	5.381	-2.40	12	3	clay
9.51	11.4	0.590	5.189	-2.10	11	3	clay
9.68	10.8	0.510	4.735	-2.10	11	3	clay
9.84	11.0	0.480	4.375	-1.90	11	3	clay
10.01	11.7	0.520	4.455	-2.00	11	3	clay
10.17	11.7	0.540	4.627	-2.10	11	3	clay
10.33	12.0	0.550	4.595	-2.10	11	3	clay
10.50	12.2	0.520	4.274	-2.40	12	3	clay
10.66	12.1	0.510	4.227	-2.40	11	3	clay
10.83	11.6	0.500	4.329	-3.40	11	3	clay
10.99	10.8	0.490	4.516	-3.50	10	3	clay
11.15	10.3	0.460	4.445	-3.50	10	3	clay
11.32	9.2	0.390	4.217	-3.60	9	3	clay
11.48	7.5	0.340	4.506	-3.80	7	3	clay
11.65	6.1	0.310	5.050	-4.30	6	3	clay
11.81	6.3	0.290	4.577	-4.40	6	3	clay
11.98	7.1	0.290	4.061	-4.10	7	3	clay
12.14	7.7	0.270	3.488	-4.10	7	3	clay
12.30	5.9	0.260	4.381	-4.50	6	3	clay
12.47	5.3	0.260	4.876	-4.70	5	3	clay
12.63	5.5	0.210	3.798	-4.90	5	3	clay
12.80	4.6	0.160	3.454	-4.70	5	3	clay
12.96	5.8	0.190	3.259	-4.80	5	3	clay
13.12	6.7	0.520	7.739	-5.60	9	3	clay
13.29	14.7	0.880	5.968	-10.80	17	3	clay
13.45	33.3	1.130	3.391	-12.10	14	5	clayey silt to silty cla
13.62	41.5	1.250	3.011	-12.90	22	6	sandy silt to clayey sil
13.78	98.9	1.570	1.587	-12.50	28	7	silty sand to sandy silt
13.94	123.8	1.980	1.599	-3.80	30	8	sand to silty sand
14.11	150.5	1.790	1.190	-2.30	36	8	sand to silty sand
14.27	174.1	1.800	1.034	-2.80	32	9	sand
14.44	177.6	1.570	0.884	-2.60	34	9	sand
14.60	188.8	1.780	0.943	-0.10	36	9	sand
14.76	203.1	1.880	0.926	0.50	39	9	sand
14.93	211.8	2.190	1.034	0.80	41	9	sand
15.09	233.9	1.730	0.740	1.10	42	9	sand
15.26	206.9	1.540	0.744	1.30	43	9	sand
15.42	227.8	1.470	0.645	0.90	41	9	sand
15.58	213.5	2.330	1.091	1.60	45	9	sand
15.75	257.7	2.970	1.153	-0.40	48	9	sand
15.91	278.4	2.300	0.826	-1.90	53	9	sand
16.08	299.2	2.550	0.852	-9.70	62	9	sand
16.24	390.1	4.830	1.238	-9.20	77	9	sand
16.40	509.6	3.780	0.742	-5.90	72	10	gravelly sand to sand
16.57	454.6	3.660	0.805	-8.50	76	10	gravelly sand to sand
16.73	468.2	2.720	0.581	-7.50	74	10	gravelly sand to sand
16.90	460.2	3.120	0.678	-9.90	73	10	gravelly sand to sand
17.06	450.0	3.070	0.682	-10.50	69	10	gravelly sand to sand
17.22	387.9	2.970	0.766	-8.90	63	10	gravelly sand to sand
17.39	339.3	1.440	0.424	-9.10	55	10	gravelly sand to sand
17.55	300.9	0.950	0.316	-9.70	48	10	gravelly sand to sand
17.72	267.6	1.140	0.426	-8.70	51	9	sand
17.88	237.0	1.530	0.646	-5.90	47	9	sand
18.04	225.7	1.110	0.492	2.10	47	9	sand
18.21	269.9	1.460	0.541	-1.90	43	10	gravelly sand to sand
18.37	315.6	1.000	0.317	1.40	51	10	gravelly sand to sand
18.54	373.8	1.760	0.471	1.60	58	10	gravelly sand to sand
18.70	403.1	2.370	0.588	-2.10	60	10	gravelly sand to sand
18.86	359.7	1.820	0.506	-9.40	58	10	gravelly sand to 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	321.5	0.810	0.252	-12.40	52	10	gravelly sand to sand
19.19	294.2	1.050	0.357	-13.10	45	10	gravelly sand to sand
19.36	234.8	0.600	0.256	-12.80	46	9	sand
19.52	187.3	0.770	0.411	-11.90	39	9	sand
19.69	187.2	0.800	0.427	-11.40	37	9	sand
19.85	197.4	1.320	0.669	-10.60	39	9	sand
20.01	232.2	1.210	0.521	-4.60	44	9	sand
20.18	256.5	1.670	0.651	-9.80	48	9	sand
20.34	266.3	1.790	0.672	-9.80	50	9	sand
20.51	256.3	1.790	0.698	-2.00	51	9	sand
20.67	280.9	1.460	0.520	0.90	51	9	sand
20.83	266.5	1.490	0.559	0.90	45	10	gravelly sand to sand
21.00	289.6	1.040	0.359	-2.10	45	10	gravelly sand to sand
21.16	294.2	0.790	0.268	-5.00	47	10	gravelly sand to sand
21.33	290.6	0.730	0.251	-8.30	46	10	gravelly sand to sand
21.49	285.4	1.050	0.368	0.30	45	10	gravelly sand to sand
21.65	278.4	0.920	0.330	-5.90	44	10	gravelly sand to sand
21.82	271.7	0.840	0.309	-7.90	44	10	gravelly sand to sand
21.98	274.7	1.020	0.371	-8.50	44	10	gravelly sand to sand
22.15	273.2	1.130	0.414	-8.50	51	9	sand
22.31	256.4	1.570	0.612	-7.70	49	9	sand
22.47	241.7	1.760	0.728	-5.50	47	9	sand
22.64	243.7	2.510	1.030	-2.70	43	9	sand
22.80	192.8	2.000	1.037	0.20	42	8	sand to silty sand
22.97	96.0	2.070	2.156	0.30	26	8	sand to silty sand
23.13	41.9	0.790	1.884	2.60	24	7	silty sand to sandy silt
23.29	86.1	0.570	0.662	15.60	26	8	sand to silty sand
23.46	196.8	1.000	0.508	6.20	31	9	sand
23.62	204.4	0.920	0.450	4.30	36	9	sand
23.79	163.2	0.900	0.551	2.50	34	9	sand
23.95	159.0	1.170	0.736	0.00	33	8	sand to silty sand
24.11	85.9	1.370	1.595	-1.80	23	8	sand to silty sand
24.28	41.2	1.300	3.156	-0.20	19	6	sandy silt to clayey sil
24.44	19.9	0.620	3.111	2.10	12	5	clayey silt to silty cla
24.61	16.4	0.230	1.399	2.50	8	5	clayey silt to silty cla
24.77	15.1	0.230	1.527	4.10	6	6	sandy silt to clayey sil
24.93	14.8	0.220	1.488	12.80	7	5	clayey silt to silty cla
25.10	14.5	0.230	1.584	15.50	7	5	clayey silt to silty cla
25.26	13.9	0.220	1.588	17.90	7	5	clayey silt to silty cla
25.43	13.3	0.210	1.581	19.60	6	5	clayey silt to silty cla
25.59	13.0	0.210	1.614	21.70	6	5	clayey silt to silty cla
25.75	13.5	0.250	1.845	24.30	7	5	clayey silt to silty cla
25.92	14.8	0.270	1.826	26.70	7	5	clayey silt to silty cla
26.08	15.4	0.290	1.882	28.20	7	5	clayey silt to silty cla
26.25	15.3	0.300	1.956	30.20	7	5	clayey silt to silty cla
26.41	15.6	0.320	2.057	31.60	8	5	clayey silt to silty cla
26.57	16.6	0.360	2.172	33.10	8	5	clayey silt to silty cla
26.74	17.6	0.420	2.387	34.20	8	5	clayey silt to silty cla
26.90	18.5	0.480	2.597	33.40	9	5	clayey silt to silty cla
27.07	19.9	0.510	2.566	33.20	10	5	clayey silt to silty cla
27.23	21.4	0.540	2.522	35.50	10	5	clayey silt to silty cla
27.40	22.2	0.580	2.615	19.20	10	5	clayey silt to silty cla
27.56	20.8	0.580	2.789	20.80	10	5	clayey silt to silty cla
27.72	19.5	0.530	2.717	21.10	9	5	clayey silt to silty cla
27.89	17.3	0.490	2.834	20.00	8	5	clayey silt to silty cla
28.05	16.0	0.450	2.820	17.90	8	5	clayey silt to silty cla
28.22	15.4	0.340	2.210	19.80	7	5	clayey silt to silty cla
28.38	15.1	0.320	2.126	24.50	8	5	clayey silt to silty cla
28.54	16.9	0.360	2.132	47.80	8	5	clayey silt to silty cla
28.71	21.1	0.450	2.131	64.00	10	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	25.3	0.570	2.253	20.80	11	5	clayey silt to silty cla
29.04	22.0	0.590	2.682	27.80	11	5	clayey silt to silty cla
29.20	22.7	0.620	2.736	32.20	11	5	clayey silt to silty cla
29.36	22.4	0.630	2.807	30.60	11	5	clayey silt to silty cla
29.53	22.4	0.630	2.818	31.90	11	5	clayey silt to silty cla
29.69	23.7	0.630	2.655	36.50	11	5	clayey silt to silty cla
29.86	24.4	0.660	2.710	38.50	12	5	clayey silt to silty cla
30.02	24.6	0.670	2.719	37.60	12	5	clayey silt to silty cla
30.18	23.5	0.660	2.811	33.50	11	5	clayey silt to silty cla
30.35	20.8	0.570	2.745	32.10	10	5	clayey silt to silty cla
30.51	17.8	0.510	2.862	29.20	9	5	clayey silt to silty cla
30.68	15.8	0.450	2.845	28.80	8	5	clayey silt to silty cla
30.84	14.8	0.430	2.900	29.70	7	5	clayey silt to silty cla
31.00	14.3	0.410	2.862	29.70	7	5	clayey silt to silty cla
31.17	14.2	0.400	2.824	32.10	7	5	clayey silt to silty cla
31.33	14.1	0.370	2.630	32.70	7	5	clayey silt to silty cla
31.50	13.8	0.360	2.612	33.60	7	5	clayey silt to silty cla
31.66	15.4	0.380	2.465	42.80	7	5	clayey silt to silty cla
31.82	16.6	0.400	2.405	44.10	8	5	clayey silt to silty cla
31.99	17.0	0.400	2.352	42.30	8	5	clayey silt to silty cla
32.15	17.4	0.400	2.296	43.10	8	5	clayey silt to silty cla
32.32	16.9	0.380	2.251	40.60	8	5	clayey silt to silty cla
32.48	16.0	0.340	2.129	39.60	8	5	clayey silt to silty cla
32.64	14.9	0.310	2.083	40.30	7	5	clayey silt to silty cla
32.81	14.1	0.280	1.984	42.70	7	5	clayey silt to silty cla
32.97	13.5	0.250	1.847	44.30	7	5	clayey silt to silty cla
33.14	13.1	0.220	1.681	47.60	6	5	clayey silt to silty cla
33.30	12.2	0.180	1.474	49.40	6	5	clayey silt to silty cla
33.46	10.2	0.170	1.661	51.00	5	5	clayey silt to silty cla
33.63	9.3	0.150	1.609	57.30	5	5	clayey silt to silty cla
33.79	9.1	0.150	1.656	59.40	4	5	clayey silt to silty cla
33.96	9.1	0.150	1.643	64.40	4	5	clayey silt to silty cla
34.12	9.3	0.160	1.723	68.50	5	5	clayey silt to silty cla
34.28	10.1	0.180	1.774	72.80	5	5	clayey silt to silty cla
34.45	12.1	0.200	1.658	74.00	6	5	clayey silt to silty cla
34.61	14.2	0.220	1.550	68.90	7	5	clayey silt to silty cla
34.78	16.3	0.220	1.354	73.10	7	6	sandy silt to clayey sil
34.94	21.2	0.390	1.837	64.50	9	6	sandy silt to clayey sil
35.10	31.7	0.460	1.453	31.50	11	6	sandy silt to clayey sil
35.27	30.8	0.320	1.040	12.50	11	6	sandy silt to clayey sil
35.43	24.4	0.240	0.985	11.60	9	6	sandy silt to clayey sil
35.60	18.1	0.220	1.218	18.50	8	6	sandy silt to clayey sil
35.76	20.8	0.220	1.059	32.40	8	6	sandy silt to clayey sil
35.93	25.5	0.240	0.940	22.70	9	6	sandy silt to clayey sil
36.09	25.5	0.270	1.057	24.10	9	6	sandy silt to clayey sil
36.25	17.8	0.250	1.404	42.30	8	6	sandy silt to clayey sil
36.42	16.9	0.220	1.304	53.70	6	6	sandy silt to clayey sil
36.58	15.5	0.240	1.549	62.20	6	6	sandy silt to clayey sil
36.75	17.2	0.260	1.511	69.80	7	6	sandy silt to clayey sil
36.91	19.8	0.310	1.563	71.80	7	6	sandy silt to clayey sil
37.07	20.8	0.380	1.825	50.50	8	6	sandy silt to clayey sil
37.24	22.3	0.530	2.379	54.30	9	6	sandy silt to clayey sil
37.40	29.9	0.710	2.378	52.80	11	6	sandy silt to clayey sil
37.57	35.7	0.440	1.233	27.30	13	6	sandy silt to clayey sil
37.73	32.4	0.640	1.976	12.80	14	6	sandy silt to clayey sil
37.89	37.8	0.480	1.269	16.60	15	7	silty sand to sandy silt
38.06	67.7	0.710	1.049	10.90	17	7	silty sand to sandy silt
38.22	54.2	1.160	2.140	7.70	18	7	silty sand to sandy silt
38.39	43.5	1.290	2.965	7.20	21	6	sandy silt to clayey sil
38.55	64.6	0.960	1.487	5.10	19	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
38.71	68.4	0.650	0.951	4.20	19	7	silty sand to sandy silt
38.88	41.3	0.580	1.403	2.70	14	7	silty sand to sandy silt
39.04	22.8	0.510	2.237	0.00	10	6	sandy silt to clayey sil
39.21	15.4	0.300	1.952	-2.00	8	5	clayey silt to silty cla
39.37	14.8	0.260	1.762	-2.80	7	5	clayey silt to silty cla
39.53	14.2	0.270	1.895	-3.50	7	5	clayey silt to silty cla
39.70	16.3	0.220	1.346	-3.70	6	6	sandy silt to clayey sil
39.86	15.3	0.210	1.368	-3.70	6	6	sandy silt to clayey sil
40.03	13.1	0.210	1.597	-3.50	7	5	clayey silt to silty cla
40.19	13.9	0.440	3.174	-2.70	8	5	clayey silt to silty cla
40.35	25.4	0.820	3.231	-1.50	14	7	silty sand to sandy silt
40.52	95.0	0.810	0.853	-0.50	22	7	silty sand to sandy silt
40.68	87.6	0.890	1.016	-1.50	20	8	sand to silty sand
40.85	73.7	0.670	0.909	-1.90	22	7	silty sand to sandy silt
41.01	44.6	0.670	1.503	-2.30	15	7	silty sand to sandy silt
41.17	24.2	0.660	2.733	-3.30	11	6	sandy silt to clayey sil
41.34	20.2	0.640	3.162	-4.10	10	5	clayey silt to silty cla
41.50	21.3	0.620	2.906	-4.70	10	5	clayey silt to silty cla
41.67	20.0	0.560	2.802	-1.00	10	5	clayey silt to silty cla
41.83	21.1	0.440	2.085	-0.10	10	5	clayey silt to silty cla
41.99	21.7	0.440	2.027	0.50	8	6	sandy silt to clayey sil
42.16	23.7	0.530	2.235	1.30	11	6	sandy silt to clayey sil
42.32	40.7	0.800	1.964	2.20	12	6	sandy silt to clayey sil
42.49	33.4	0.750	2.245	1.00	22	7	silty sand to sandy silt
42.65	136.2	0.690	0.507	1.00	26	8	sand to silty sand
42.81	159.6	0.560	0.351	0.40	26	9	sand
42.98	113.4	0.960	0.847	0.10	27	8	sand to silty sand
43.14	70.8	1.040	1.469	-0.10	24	7	silty sand to sandy silt
43.31	37.9	0.850	2.243	-0.60	17	6	sandy silt to clayey sil
43.47	20.7	0.510	2.467	-1.60	10	6	sandy silt to clayey sil
43.64	16.1	0.270	1.681	-2.40	8	5	clayey silt to silty cla
43.80	15.5	0.250	1.617	-2.60	8	5	clayey silt to silty cla
43.96	15.6	0.320	2.056	-2.50	8	5	clayey silt to silty cla
44.13	17.0	0.280	1.650	-1.90	7	6	sandy silt to clayey sil
44.29	18.7	0.210	1.124	-1.20	7	6	sandy silt to clayey sil
44.46	16.7	0.350	2.096	0.00	8	5	clayey silt to silty cla
44.62	17.8	0.430	2.413	1.50	8	5	clayey silt to silty cla
44.78	18.4	0.560	3.037	2.70	9	5	clayey silt to silty cla
44.95	20.1	0.620	3.090	4.40	9	5	clayey silt to silty cla
45.11	20.7	0.610	2.952	4.40	10	5	clayey silt to silty cla
45.28	21.2	0.620	2.929	4.50	10	5	clayey silt to silty cla
45.44	20.5	0.640	3.126	5.00	10	5	clayey silt to silty cla
45.60	23.6	0.720	3.054	5.10	11	5	clayey silt to silty cla
45.77	22.6	0.700	3.104	3.80	11	5	clayey silt to silty cla
45.93	22.5	0.700	3.105	3.10	10	5	clayey silt to silty cla
46.10	18.9	0.630	3.331	0.80	9	5	clayey silt to silty cla
46.26	16.5	0.440	2.667	0.00	8	5	clayey silt to silty cla
46.42	17.4	0.310	1.782	0.00	8	5	clayey silt to silty cla
46.59	13.5	0.260	1.925	0.50	7	5	clayey silt to silty cla
46.75	14.7	0.230	1.563	1.00	7	5	clayey silt to silty cla
46.92	18.2	0.340	1.865	2.30	10	5	clayey silt to silty cla
47.08	28.5	0.760	2.663	3.00	13	6	sandy silt to clayey sil
47.24	52.0	1.710	3.286	3.20	26	5	clayey silt to silty cla
47.41	81.3	3.160	3.885	3.20	38	5	clayey silt to silty cla
47.57	103.7	3.820	3.682	2.50	45	5	clayey silt to silty cla
47.74	97.5	3.830	3.927	2.20	48	6	sandy silt to clayey sil
47.90	178.0	3.290	1.848	2.00	50	7	silty sand to sandy silt
48.06	197.4	2.630	1.332	1.80	46	8	sand to silty sand
48.23	198.0	2.630	1.328	0.50	48	8	sand to silty sand
48.39	202.9	2.690	1.326	0.40	40	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
48.56	224.1	2.460	1.098	0.20	44	9	sand
48.72	269.6	1.850	0.686	0.10	52	9	sand
48.88	325.1	3.270	1.006	0.20	58	9	sand
49.05	317.8	2.670	0.840	0.10	59	9	sand
49.21	284.1	1.860	0.655	-0.10	56	9	sand
49.38	281.6	1.580	0.561	-0.20	55	9	sand
49.54	291.1	1.810	0.622	-0.20	56	9	sand
49.70	311.8	1.710	0.548	-0.30	50	10	gravelly sand to sand
49.87	338.7	1.960	0.579	-0.20	53	10	gravelly sand to sand
50.03	346.4	1.880	0.543	-0.20	56	10	gravelly sand to sand
50.20	376.0	2.140	0.569	-0.20	58	10	gravelly sand to sand
50.36	375.3	2.160	0.576	-0.20	60	10	gravelly sand to sand
50.52	368.2	1.330	0.361	-0.30	58	10	gravelly sand to sand
50.69	351.7	1.070	0.304	-0.30	57	10	gravelly sand to sand
50.85	360.5	0.950	0.264	-0.30	57	10	gravelly sand to sand
51.02	366.5	1.110	0.303	-0.30	59	10	gravelly sand to sand
51.18	386.8	1.080	0.279	-0.30	61	10	gravelly sand to sand
51.35	391.3	1.500	0.383	-0.50	61	10	gravelly sand to sand
51.51	369.7	1.670	0.452	-0.90	62	10	gravelly sand to sand
51.67	403.6	1.560	0.387	-0.90	63	10	gravelly sand to sand
51.84	410.8	1.370	0.334	-0.90	63	10	gravelly sand to sand
52.00	363.9	1.730	0.475	-1.10	58	10	gravelly sand to sand
52.17	321.6	2.460	0.765	-1.30	61	9	sand
52.33	262.5	4.370	1.665	-1.40	63	8	sand to silty sand
52.49	211.3	6.240	2.953	-1.60	80	7	silty sand to sandy silt
52.66	275.2	5.470	1.988	-1.70	0	0	<out of range>
52.82	427.2	-32768	-32768	-1.50	0	0	<out of range>
52.99	444.3	-32768	-32768	-1.60	0	0	<out of range>

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