



Job No: 23-56-25523
Client: GEI Consultants
Project: Terminal Dam Geotechnical Investigation
Sounding ID: 22-01C
Date: 03:30:23 10:26

Seismic Source: Beam
Seismic Offset (ft): 2.10
Source Depth (ft): 0.00
Geophone Offset (ft): 0.82

SCPT_u SHEAR WAVE VELOCITY TEST RESULTS - V_s

Tip Depth (ft)	Geophone Depth (ft)	Ray Path (ft)	Ray Path Difference (ft)	Travel Time Interval (ms)	Interval Velocity (ft/s)
5.09	4.27	4.75			
10.66	9.84	10.07	5.31	6.30	844
15.16	14.34	14.49	4.43	4.09	1082
20.60	19.78	19.90	5.41	4.51	1198
25.10	24.28	24.37	4.47	4.51	992
30.45	29.63	29.70	5.33	7.97	669
35.37	34.55	34.61	4.91	9.34	526
40.12	39.30	39.36	4.75	10.49	453
45.28	44.46	44.51	5.15	10.74	479
49.48	48.66	48.70	4.19	2.90	1447



Job No: 23-56-25523
Client: GEI Consultants
Project: Terminal Dam Geotechnical Investigation
Sounding ID: 22-02C
Date: 03:30:23 08:09

Seismic Source: Beam
Seismic Offset (ft): 2.10
Source Depth (ft): 0.00
Geophone Offset (ft): 0.82

SCPT_u SHEAR WAVE VELOCITY TEST RESULTS - V_s

Tip Depth (ft)	Geophone Depth (ft)	Ray Path (ft)	Ray Path Difference (ft)	Travel Time Interval (ms)	Interval Velocity (ft/s)
10.11	9.29	9.52			
15.09	14.27	14.43	4.91	4.65	1056
21.10	20.28	20.38	5.96	5.71	1043
25.10	24.28	24.37	3.99	3.72	1072
30.12	29.30	29.37	5.00	6.26	799
35.11	34.29	34.35	4.98	8.45	589
40.12	39.30	39.36	5.01	10.25	489
45.11	44.29	44.34	4.98	9.27	537
50.13	49.31	49.36	5.01	9.67	519
55.12	54.30	54.34	4.98	9.41	530
60.11	59.29	59.32	4.98	7.43	671
65.13	64.31	64.34	5.02	7.25	692
70.14	69.32	69.36	5.02	6.86	732
75.13	74.31	74.34	4.99	4.50	1109
80.12	79.30	79.33	4.99	5.66	880
85.14	84.32	84.34	5.02	3.81	1317



Job No: 23-56-25523
Client: GEI Consultants
Project: Terminal Dam Geotechnical Investigation
Sounding ID: 22-03C
Date: 03:29:23 14:15

Seismic Source: Beam
Seismic Offset (ft): 2.10
Source Depth (ft): 0.00
Geophone Offset (ft): 0.82

SCPTu SHEAR WAVE VELOCITY TEST RESULTS - Vs

Tip Depth (ft)	Geophone Depth (ft)	Ray Path (ft)	Ray Path Difference (ft)	Travel Time Interval (ms)	Interval Velocity (ft/s)
5.09	4.27	4.75			
10.01	9.19	9.42	4.67	5.36	872
15.09	14.27	14.43	5.00	4.91	1019
20.34	19.52	19.63	5.21	4.65	1119
25.10	24.28	24.37	4.74	4.14	1145
30.25	29.43	29.50	5.14	6.39	804
35.11	34.29	34.35	4.85	9.11	532
40.12	39.30	39.36	5.01	10.22	491
45.11	44.29	44.34	4.98	9.51	524
50.13	49.31	49.36	5.01	9.61	522
55.12	54.30	54.34	4.98	9.66	516
60.11	59.29	59.32	4.98	8.75	569
65.13	64.31	64.34	5.02	5.87	855
70.14	69.32	69.36	5.02	5.77	870
75.46	74.64	74.67	5.31	6.07	875
80.22	79.40	79.43	4.76	5.77	825
85.24	84.42	84.44	5.02	4.86	1033
90.22	89.40	89.43	4.99	4.65	1072
95.14	94.32	94.35	4.92	5.82	845
100.13	99.31	99.33	4.99	5.95	838
105.15	104.33	104.35	5.02	5.50	913
110.17	109.35	109.37	5.02	6.05	829
115.16	114.34	114.36	4.99	6.05	824
120.90	120.08	120.10	5.74	7.27	790



Job No: 23-56-25523
Client: GEI Consultants
Project: Terminal Dam Geotechnical Investigation
Sounding ID: 22-04C
Date: 03:29:23 12:08

Seismic Source: Beam
Seismic Offset (ft): 2.10
Source Depth (ft): 0.00
Geophone Offset (ft): 0.82

SCPT_u SHEAR WAVE VELOCITY TEST RESULTS - V_s

Tip Depth (ft)	Geophone Depth (ft)	Ray Path (ft)	Ray Path Difference (ft)	Travel Time Interval (ms)	Interval Velocity (ft/s)
6.00	5.18	5.59			
10.17	9.35	9.58	3.99	4.42	904
15.16	14.34	14.49	4.91	4.33	1132
20.18	19.36	19.47	4.98	4.56	1093
25.20	24.38	24.47	5.00	4.47	1119
30.12	29.30	29.37	4.91	5.92	828
35.11	34.29	34.35	4.98	8.93	557
40.19	39.37	39.43	5.08	9.73	522
45.21	44.39	44.44	5.01	10.87	461
50.53	49.71	49.75	5.31	9.98	532
55.12	54.30	54.34	4.59	7.81	588
60.20	59.38	59.42	5.08	7.70	660
65.13	64.31	64.34	4.92	6.24	788
70.14	69.32	69.36	5.02	5.69	881
75.13	74.31	74.34	4.99	6.02	829
80.12	79.30	79.33	4.99	5.42	920
85.14	84.32	84.34	5.02	5.55	905
91.14	90.32	90.35	6.00	7.18	836
95.14	94.32	94.35	4.00	4.60	871
100.13	99.31	99.33	4.99	4.64	1075
105.32	104.50	104.52	5.18	4.31	1201
107.78	106.96	106.98	2.46	2.25	1096



Job No: 23-56-25523
Client: GEI Consultants
Project: Terminal Dam Geotechnical Investigation
Sounding ID: 22-05C
Date: 03:29:23 09:57

Seismic Source: Beam
Seismic Offset (ft): 2.10
Source Depth (ft): 0.00
Geophone Offset (ft): 0.82

SCPT_u SHEAR WAVE VELOCITY TEST RESULTS - V_s

Tip Depth (ft)	Geophone Depth (ft)	Ray Path (ft)	Ray Path Difference (ft)	Travel Time Interval (ms)	Interval Velocity (ft/s)
2.69	1.87	2.81			
4.99	4.17	4.67	1.85	3.02	615
10.01	9.19	9.42	4.76	6.16	772
15.09	14.27	14.43	5.00	4.78	1048
20.93	20.11	20.22	5.80	4.79	1210
25.00	24.18	24.27	4.05	3.56	1139
30.02	29.20	29.27	5.00	7.11	704
35.50	34.68	34.74	5.47	10.25	534
40.03	39.21	39.26	4.52	8.87	509
45.11	44.29	44.34	5.08	10.46	486
50.13	49.31	49.36	5.01	10.50	478
55.05	54.23	54.27	4.92	7.77	633
60.11	59.29	59.32	5.05	6.93	729
65.13	64.31	64.34	5.02	6.10	823
70.14	69.32	69.36	5.02	5.20	964
74.97	74.15	74.18	4.82	4.85	994
80.22	79.40	79.43	5.25	4.76	1102
81.30	80.48	80.51	1.08	0.90	1207



Job No: 23-56-25523
Client: GEI Consultants
Project: Terminal Dam Geotechnical Investigation
Sounding ID: 22-06C
Date: 03:29:23 08:21

Seismic Source: Beam
Seismic Offset (ft): 2.10
Source Depth (ft): 0.00
Geophone Offset (ft): 0.82

SCPT_u SHEAR WAVE VELOCITY TEST RESULTS - V_s

Tip Depth (ft)	Geophone Depth (ft)	Ray Path (ft)	Ray Path Difference (ft)	Travel Time Interval (ms)	Interval Velocity (ft/s)
2.56	1.74	2.73			
5.18	4.36	4.84	2.12	2.98	710
10.01	9.19	9.42	4.58	7.31	627
15.09	14.27	14.43	5.00	5.07	986
20.08	19.26	19.37	4.95	5.26	941
25.10	24.28	24.37	5.00	5.32	940
30.12	29.30	29.37	5.00	6.28	797
35.11	34.29	34.35	4.98	8.94	557
40.12	39.30	39.36	5.01	9.80	511
42.16	41.34	41.39	2.03	4.73	430
45.05	44.23	44.28	2.88	6.36	453
50.53	49.71	49.75	5.47	11.42	479



Job No: 23-56-25523
Client: GEI Consultants
Project: Terminal Dam Geotechnical Investigation
Sounding ID: 22-07C
Date: 03:30:23 14:34

Seismic Source: Beam
Seismic Offset (ft): 2.10
Source Depth (ft): 0.00
Geophone Offset (ft): 0.82

SCPT_u SHEAR WAVE VELOCITY TEST RESULTS - V_s

Tip Depth (ft)	Geophone Depth (ft)	Ray Path (ft)	Ray Path Difference (ft)	Travel Time Interval (ms)	Interval Velocity (ft/s)
10.11	9.29	9.52			
15.09	14.27	14.43	4.91	4.50	1091
18.11	17.29	17.42	2.99	2.91	1030
20.01	19.19	19.31	1.89	2.21	858
25.26	24.44	24.53	5.22	7.76	673
30.12	29.30	29.37	4.84	9.20	526
35.11	34.29	34.35	4.98	10.51	474
40.12	39.30	39.36	5.01	10.61	472
45.54	44.72	44.77	5.41	10.57	512
50.13	49.31	49.36	4.59	9.79	469
55.12	54.30	54.34	4.98	10.11	493
60.11	59.29	59.32	4.98	9.15	545
65.13	64.31	64.34	5.02	6.46	777
70.14	69.32	69.36	5.02	6.35	791
75.07	74.25	74.28	4.92	6.99	703
80.54	79.72	79.75	5.48	7.01	781
84.38	83.56	83.59	3.84	5.14	746



Job No: 23-56-25523
Client: GEI Consultants
Project: Terminal Dam Geotechnical Investigation
Sounding ID: 22-08C
Date: 03:30:23 11:50

Seismic Source: Beam
Seismic Offset (ft): 2.10
Source Depth (ft): 0.00
Geophone Offset (ft): 0.82

SCPT_u SHEAR WAVE VELOCITY TEST RESULTS - V_s

Tip Depth (ft)	Geophone Depth (ft)	Ray Path (ft)	Ray Path Difference (ft)	Travel Time Interval (ms)	Interval Velocity (ft/s)
5.09	4.27	4.75			
10.11	9.29	9.52	4.77	4.04	1181
15.09	14.27	14.43	4.91	4.44	1105
20.08	19.26	19.37	4.95	6.03	820
25.10	24.28	24.37	5.00	6.72	744
30.12	29.30	29.37	5.00	9.33	536
35.11	34.29	34.35	4.98	10.82	460
40.12	39.30	39.36	5.01	9.94	504
45.11	44.29	44.34	4.98	10.10	493
50.13	49.31	49.36	5.01	11.08	453
55.05	54.23	54.27	4.92	9.41	523
60.11	59.29	59.32	5.05	9.33	541
65.13	64.31	64.34	5.02	7.30	687
70.87	70.05	70.08	5.74	6.56	875
75.13	74.31	74.34	4.26	6.39	667
78.08	77.26	77.29	2.95	3.62	815
85.04	84.22	84.25	6.95	7.31	952
90.22	89.40	89.43	5.18	4.23	1227



Job No: 23-56-25523
Client: GEI Consultants
Project: Terminal Dam Geotechnical Investigation
Sounding ID: 22-09C
Date: 03:31:23 08:14

Seismic Source: Beam
Seismic Offset (ft): 2.10
Source Depth (ft): 0.00
Geophone Offset (ft): 0.82

SCPT_u SHEAR WAVE VELOCITY TEST RESULTS - V_s

Tip Depth (ft)	Geophone Depth (ft)	Ray Path (ft)	Ray Path Difference (ft)	Travel Time Interval (ms)	Interval Velocity (ft/s)
5.09	4.27	4.75			
10.11	9.29	9.52	4.77	6.18	771
15.09	14.27	14.43	4.91	5.11	961
20.01	19.19	19.31	4.88	5.02	973
25.10	24.28	24.37	5.06	4.32	1172
30.25	29.43	29.50	5.14	5.81	885
35.60	34.78	34.84	5.34	5.78	923
40.03	39.21	39.26	4.42	3.98	1110
45.21	44.39	44.44	5.18	4.57	1133
50.13	49.31	49.36	4.92	4.92	1000
55.05	54.23	54.27	4.92	5.21	944
60.04	59.22	59.26	4.98	5.29	943
65.13	64.31	64.34	5.08	6.00	847
70.05	69.23	69.26	4.92	8.53	577
75.07	74.25	74.28	5.02	9.64	521
80.12	79.30	79.33	5.05	8.49	595
85.14	84.32	84.34	5.02	9.38	535
90.81	89.99	90.02	5.67	8.40	675
95.14	94.32	94.35	4.33	5.72	757
100.07	99.25	99.27	4.92	6.08	810
105.15	104.33	104.35	5.08	6.88	739
110.17	109.35	109.37	5.02	6.35	791
115.16	114.34	114.36	4.99	5.45	915
121.00	120.18	120.20	5.84	6.26	933
125.07	124.25	124.26	4.07	4.92	828
130.09	129.27	129.28	5.02	4.21	1193
135.24	134.42	134.43	5.15	3.57	1443



Job No: 23-56-25523
Client: GEI Consultants
Project: Terminal Dam Geotechnical Investigation
Sounding ID: 22-10C
Date: 03:28:23 13:02

Seismic Source: Beam
Seismic Offset (ft): 2.10
Source Depth (ft): 0.00
Geophone Offset (ft): 0.82

SCPT_u SHEAR WAVE VELOCITY TEST RESULTS - V_s

Tip Depth (ft)	Geophone Depth (ft)	Ray Path (ft)	Ray Path Difference (ft)	Travel Time Interval (ms)	Interval Velocity (ft/s)
4.99	4.17	4.67			
10.11	9.29	9.52	4.85	6.62	734
15.09	14.27	14.43	4.91	5.15	952
20.08	19.26	19.37	4.95	4.78	1035
25.10	24.28	24.37	5.00	4.47	1118
30.02	29.20	29.27	4.91	4.44	1105
35.04	34.22	34.28	5.01	4.53	1106
40.03	39.21	39.26	4.98	4.75	1048
45.05	44.23	44.28	5.01	4.94	1014
55.05	54.23	54.27	10.00	9.64	1037
60.04	59.22	59.26	4.98	4.32	1153
65.13	64.31	64.34	5.08	4.82	1055
71.62	70.80	70.83	6.49	11.02	589
75.13	74.31	74.34	3.51	6.80	516
80.12	79.30	79.33	4.99	9.22	541
85.04	84.22	84.25	4.92	8.05	611
90.16	89.34	89.36	5.12	6.69	765
95.08	94.26	94.28	4.92	6.41	767
100.07	99.25	99.27	4.99	6.24	800
105.05	104.23	104.25	4.99	5.42	920
110.07	109.25	109.27	5.02	4.25	1182
115.49	114.67	114.69	5.41	4.79	1130
120.14	119.32	119.34	4.66	3.61	1289
125.26	124.44	124.46	5.12	3.80	1349
130.09	129.27	129.28	4.82	4.88	988
135.56	134.74	134.76	5.48	4.88	1123



Job No: 23-56-25523
Client: GEI Consultants
Project: Terminal Dam Geotechnical Investigation
Sounding ID: 22-11C
Date: 03:28:23 10:14

Seismic Source: Beam
Seismic Offset (ft): 2.10
Source Depth (ft): 0.00
Geophone Offset (ft): 0.82

SCPT_u SHEAR WAVE VELOCITY TEST RESULTS - V_s

Tip Depth (ft)	Geophone Depth (ft)	Ray Path (ft)	Ray Path Difference (ft)	Travel Time Interval (ms)	Interval Velocity (ft/s)
5.09	4.27	4.75			
10.01	9.19	9.42	4.67	5.44	859
15.09	14.27	14.43	5.00	4.84	1035
20.08	19.26	19.37	4.95	4.93	1002
25.10	24.28	24.37	5.00	4.64	1078
30.12	29.30	29.37	5.00	4.43	1129
35.11	34.29	34.35	4.98	4.94	1008
40.19	39.37	39.43	5.08	5.44	933
45.11	44.29	44.34	4.92	5.14	957
50.13	49.31	49.36	5.01	4.73	1059
55.12	54.30	54.34	4.98	4.73	1053
60.11	59.29	59.32	4.98	4.53	1099
65.06	64.24	64.27	4.95	5.59	886
70.14	69.32	69.36	5.08	7.81	651
75.13	74.31	74.34	4.99	8.96	556
80.12	79.30	79.33	4.99	9.17	544
90.06	89.24	89.26	9.94	13.17	755
95.14	94.32	94.35	5.08	5.63	904
100.07	99.25	99.27	4.92	4.22	1166
105.15	104.33	104.35	5.08	4.62	1100
107.71	106.89	106.91	2.56	2.46	1041
108.66	107.84	107.86	0.95	0.90	1056



Job No: 23-56-25523
Client: GEI Consultants
Project: Terminal Dam Geotechnical Investigation
Sounding ID: 22-12C
Date: 03:31:23 12:51

Seismic Source: Beam
Seismic Offset (ft): 2.10
Source Depth (ft): 0.00
Geophone Offset (ft): 0.82

SCPT_u SHEAR WAVE VELOCITY TEST RESULTS - V_s

Tip Depth (ft)	Geophone Depth (ft)	Ray Path (ft)	Ray Path Difference (ft)	Travel Time Interval (ms)	Interval Velocity (ft/s)
5.09	4.27	4.75			
10.11	9.29	9.52	4.77	6.76	705
15.03	14.21	14.36	4.84	6.29	769
20.01	19.19	19.31	4.95	5.59	886
25.00	24.18	24.27	4.96	4.70	1055
30.12	29.30	29.37	5.10	4.44	1148
35.04	34.22	34.28	4.91	5.18	947
40.12	39.30	39.36	5.08	5.28	962
45.05	44.23	44.28	4.92	4.82	1021
50.13	49.31	49.36	5.08	4.72	1076
55.05	54.23	54.27	4.92	4.71	1043
65.06	64.24	64.27	10.00	9.73	1028
70.14	69.32	69.36	5.08	7.22	704
74.80	73.98	74.01	4.66	5.42	859
80.05	79.23	79.26	5.25	4.10	1281
85.14	84.32	84.34	5.08	3.57	1426