



Shear Wave Data and Velocity Estimates



File: 920CP02.COR
Unit Wt: SBT Chart Soil Zones

SBT: Lunne, Robertson and Powell, 1997
 Coords: Lat: 32.92202 Long: -79.82738
 Page No: 1 of 2



F&ME

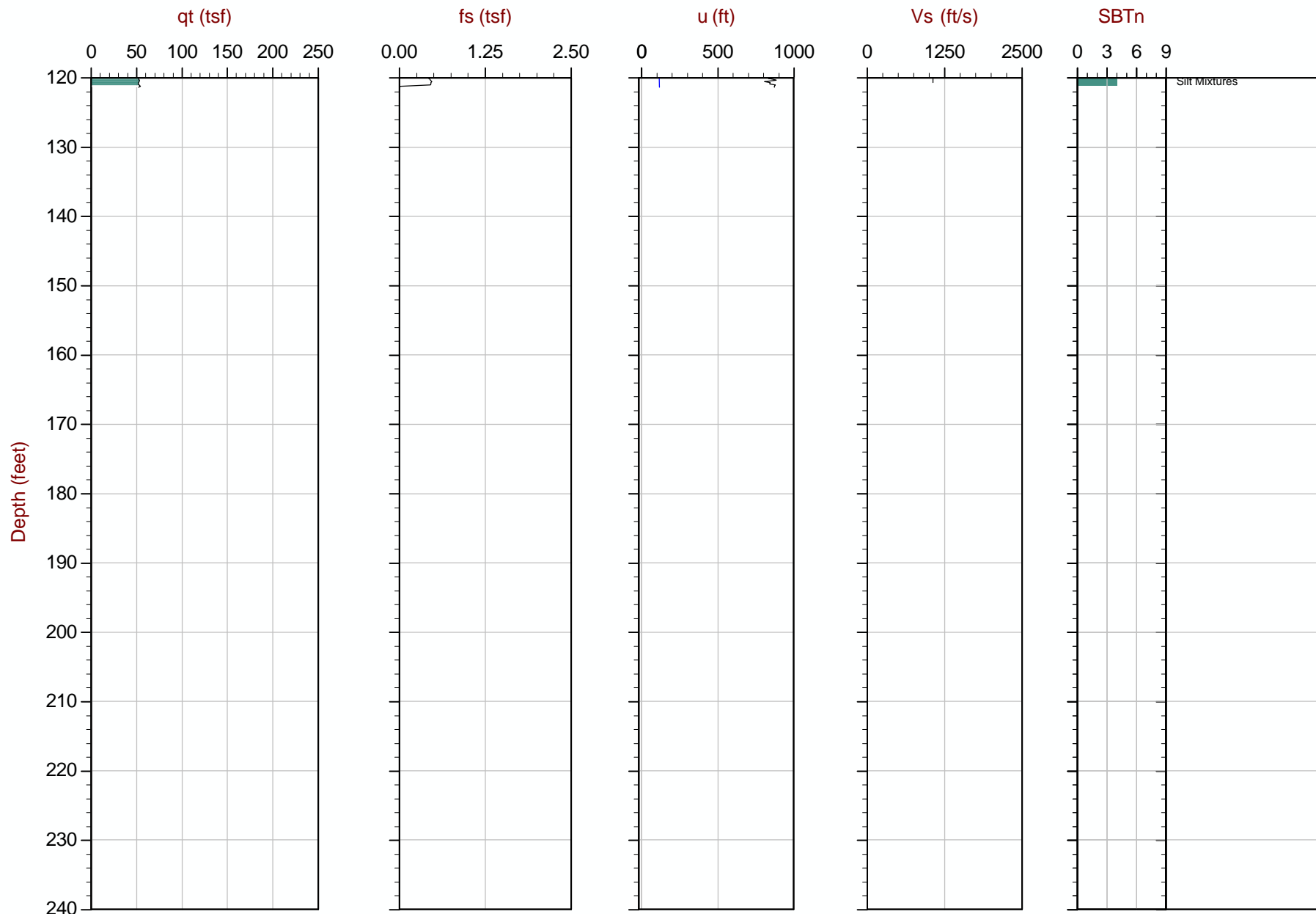
Job No: 11-920

Date: 03:08:11 13:54

Site: SC 41 Replacement Bridge

Sounding: CPT-2

Cone: 214:T1500F15U500



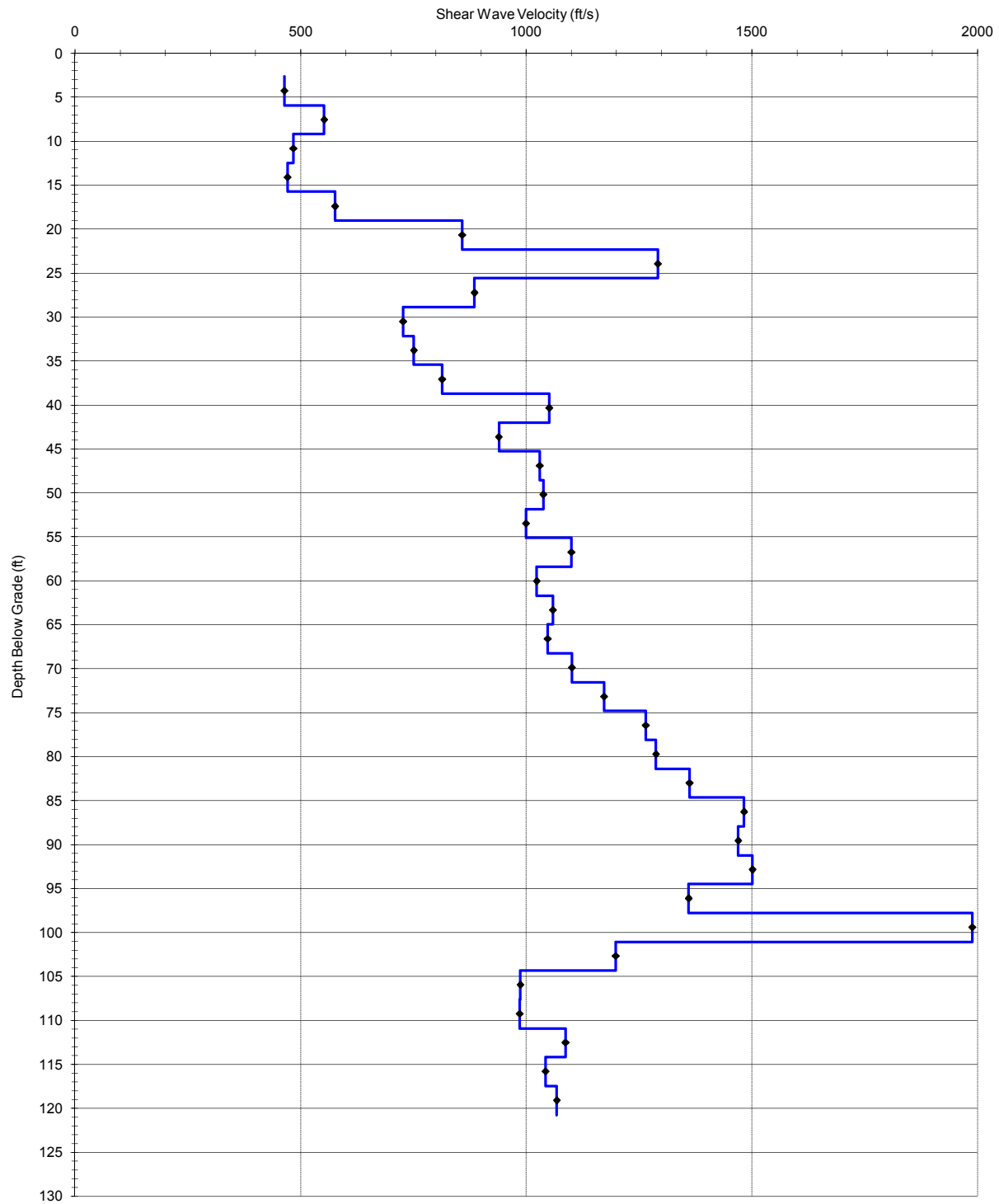
Max Depth: 37.000 m / 121.39 ft
Depth Inc: 0.050 m / 0.164 ft
Avg Int: Every Point

File: 920CP02.COR
Unit Wt: SBT Chart Soil Zones

SBT: Lunne, Robertson and Powell, 1997
Coords: Lat: 32.92202 Long: -79.82738
Page No: 2 of 2



Shear Wave Velocity- CPT-2
SC-41 Replacement Bridge
11-920
March 8 2011





ConeTec Shear Wave Velocity Data Reduction Sheet

Hole: CPT-2
Location: SC-41 Replacement Bridge
Cone: AD214
Date: 8-Mar-11
Source: Beam

Source Depth	0.00 m
Source Offset	1.45 m

Tip Depth (m)	Geophone Depth(m)	Travel Path (m)	Interval time (ms)	Velocity (m/s)	Velocity (ft/s)	Interval Depth (m)	Interval Depth (ft)
0.00							
1.00	0.80	1.66					
2.00	1.80	2.31	4.63	141.5	464.3	1.30	4.27
3.00	2.80	3.15	5.00	168.4	552.4	2.30	7.55
4.00	3.80	4.07	6.20	147.4	483.7	3.30	10.83
5.00	4.80	5.01	6.60	143.6	471.1	4.30	14.11
6.00	5.80	5.98	5.49	175.8	576.7	5.30	17.39
7.00	6.80	6.95	3.73	261.4	857.8	6.30	20.67
8.00	7.80	7.93	2.49	393.7	1291.7	7.30	23.95
9.00	8.80	8.92	3.65	269.9	885.6	8.30	27.23
10.00	9.80	9.91	4.46	221.6	727.2	9.30	30.51
11.00	10.80	10.90	4.33	228.9	751.1	10.30	33.79
12.00	11.80	11.89	4.00	247.9	813.3	11.30	37.07
13.00	12.80	12.88	3.10	320.4	1051.3	12.30	40.35
14.00	13.80	13.88	3.47	286.3	939.4	13.30	43.63
15.00	14.80	14.87	3.17	313.8	1029.6	14.30	46.92
16.00	15.80	15.87	3.15	316.3	1037.7	15.30	50.20
17.00	16.80	16.86	3.27	304.6	999.3	16.30	53.48
18.00	17.80	17.86	2.97	335.3	1100.1	17.30	56.76
19.00	18.80	18.86	3.20	311.9	1023.3	18.30	60.04
20.00	19.80	19.85	3.09	322.8	1059.0	19.30	63.32
21.00	20.80	20.85	3.12	319.3	1047.7	20.30	66.60
22.00	21.80	21.85	2.97	335.5	1100.8	21.30	69.88
23.00	22.80	22.85	2.79	357.3	1172.3	22.30	73.16
24.00	23.80	23.84	2.59	385.5	1264.6	23.30	76.44
25.00	24.80	24.84	2.54	392.5	1287.7	24.30	79.72
26.00	25.80	25.84	2.41	415.0	1361.6	25.30	83.00
27.00	26.80	26.84	2.21	452.0	1482.9	26.30	86.29
28.00	27.80	27.84	2.23	448.0	1470.0	27.30	89.57
29.00	28.80	28.84	2.18	457.6	1501.4	28.30	92.85
30.00	29.80	29.84	2.41	414.6	1360.2	29.30	96.13
31.00	30.80	30.83	1.65	606.0	1988.1	30.30	99.41
32.00	31.80	31.83	2.74	365.1	1197.9	31.30	102.69
33.00	32.80	32.83	3.32	300.9	987.2	32.30	105.97
34.00	33.80	33.83	3.33	300.3	985.2	33.30	109.25
35.00	34.80	34.83	3.02	331.2	1086.7	34.30	112.53
36.00	35.80	35.83	3.14	317.9	1042.9	35.30	115.81
37.00	36.80	36.83	3.07	325.5	1067.9	36.30	119.09

Job No: 11-920

Client: F&ME

Project Title: SC-41 Replacement Bridge

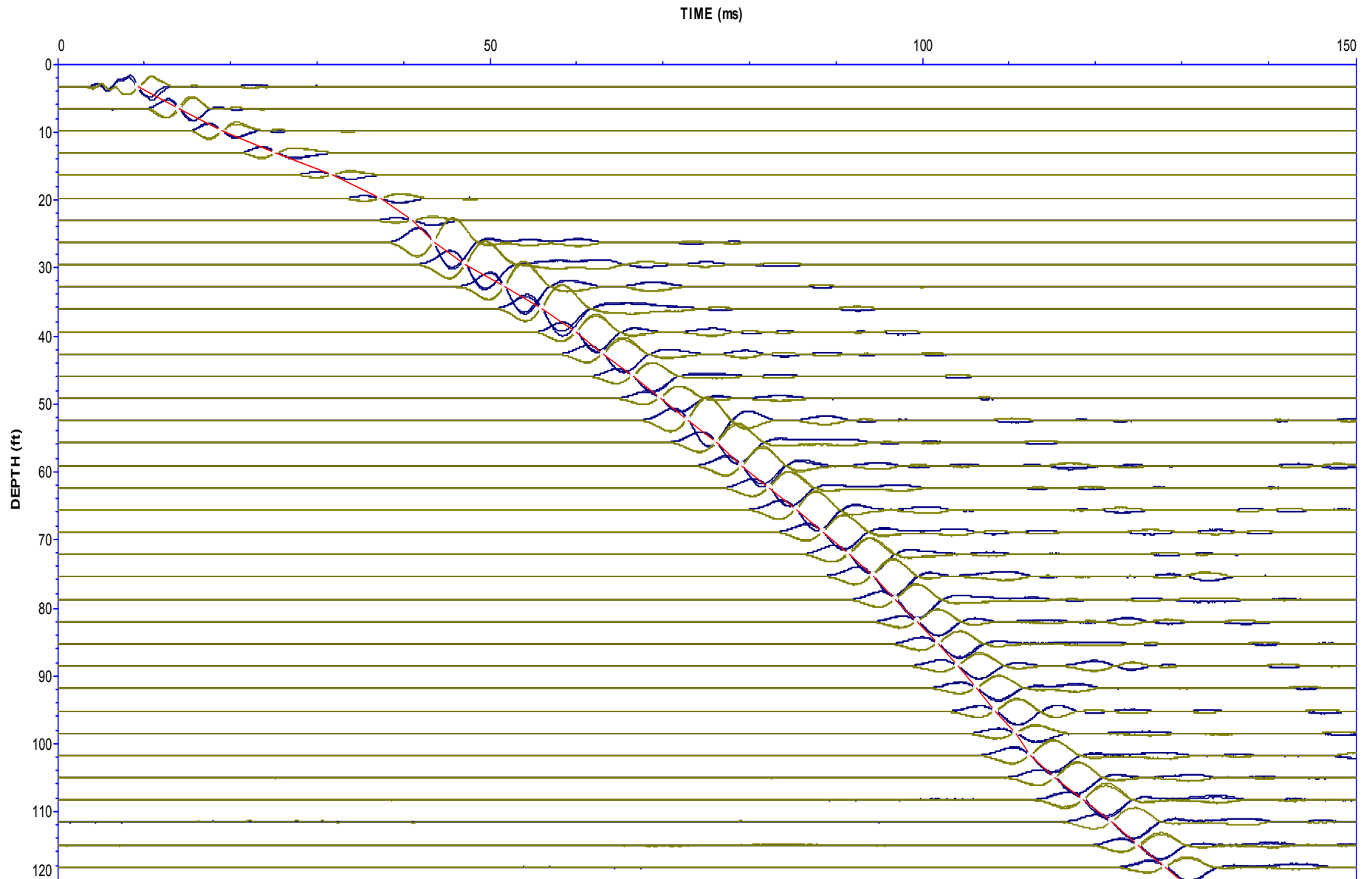
Operator: AS-RH

Hole: CPT-2

Site: SC 41 Replaceme

Date: 03:08:11 13:54

Oversite: 214:T1500F15U500







F&ME

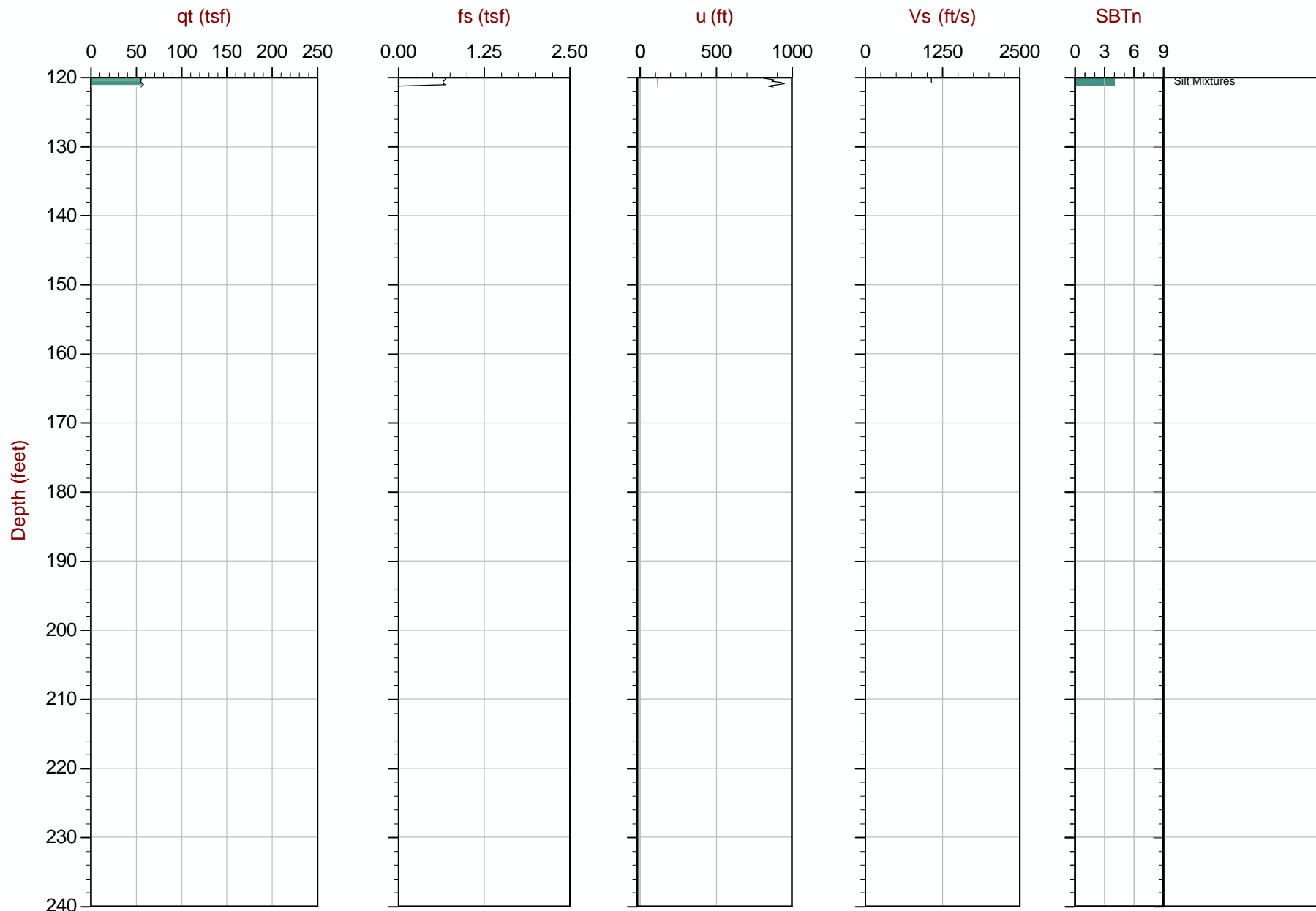
Job No: 11-920

Date: 03:08:11 10:56

Site: SC 41 Replacement Bridge

Sounding: CPT-3

Cone: 214:T1500F15U500



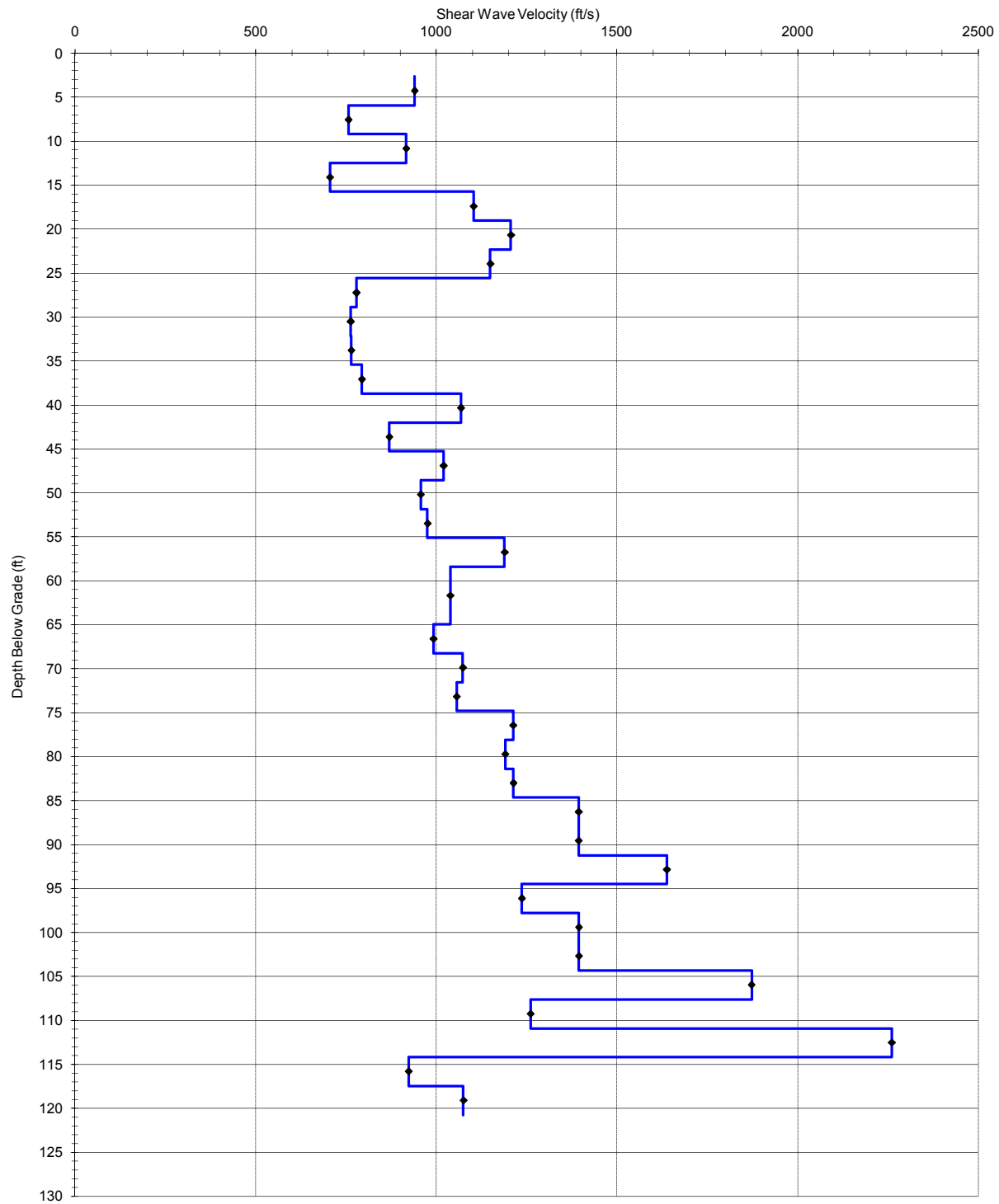
Max Depth: 37.000 m / 121.39 ft
Depth Inc: 0.050 m / 0.164 ft
Avg Int: Every Point

File: 920CP03.COR
Unit Wt: SBT Chart Soil Zones

SBT: Lunne, Robertson and Powell, 1997
Coords: Lat: 32.92577 Long: -79.82300
Page No: 2 of 2



Shear Wave Velocity - CPT-3
SC-41 Replacement Bridge
11-920
March 8 2011





ConeTec Shear Wave Velocity Data Reduction Sheet

Hole: CPT-3
Location: SC-41 Replacement Bridge
Cone: AD214
Date: 8-Mar-11
Source: Beam

Source Depth	0.00 m
Source Offset	1.45 m

Tip Depth (m)	Geophone Depth(m)	Travel Path (m)	Interval time (ms)	Velocity (m/s)	Velocity (ft/s)	Interval Depth (m)	Interval Depth (ft)
0.00							
1.00	0.80	1.66					
2.00	1.80	2.31	2.29	286.5	939.9	1.30	4.27
3.00	2.80	3.15	3.65	230.7	756.8	2.30	7.55
4.00	3.80	4.07	3.27	279.4	916.6	3.30	10.83
5.00	4.80	5.01	4.40	215.0	705.4	4.30	14.11
6.00	5.80	5.98	2.87	336.2	1102.9	5.30	17.39
7.00	6.80	6.95	2.65	367.7	1206.3	6.30	20.67
8.00	7.80	7.93	2.80	350.3	1149.2	7.30	23.95
9.00	8.80	8.92	4.15	237.4	778.7	8.30	27.23
10.00	9.80	9.91	4.25	232.5	762.7	9.30	30.51
11.00	10.80	10.90	4.25	233.0	764.4	10.30	33.79
12.00	11.80	11.89	4.10	241.9	793.7	11.30	37.07
13.00	12.80	12.88	3.05	325.6	1068.3	12.30	40.35
14.00	13.80	13.88	3.75	265.1	869.7	13.30	43.63
15.00	14.80	14.87	3.20	310.9	1020.0	14.30	46.92
16.00	15.80	15.87	3.41	291.6	956.5	15.30	50.20
17.00	16.80	16.86	3.35	297.3	975.4	16.30	53.48
18.00	17.80	17.86	2.75	362.3	1188.8	17.30	56.76
20.00	19.80	19.85	6.30	316.5	1038.4	18.80	61.68
21.00	20.80	20.85	3.30	302.2	991.6	20.30	66.60
22.00	21.80	21.85	3.05	327.1	1073.1	21.30	69.88
23.00	22.80	22.85	3.10	321.9	1056.0	22.30	73.16
24.00	23.80	23.84	2.70	369.6	1212.7	23.30	76.44
25.00	24.80	24.84	2.75	363.0	1190.8	24.30	79.72
26.00	25.80	25.84	2.70	369.7	1213.0	25.30	83.00
27.00	26.80	26.84	2.35	424.9	1393.9	26.30	86.29
28.00	27.80	27.84	2.35	424.9	1394.0	27.30	89.57
29.00	28.80	28.84	2.00	499.3	1638.2	28.30	92.85
30.00	29.80	29.84	2.65	376.9	1236.4	29.30	96.13
31.00	30.80	30.83	2.35	425.0	1394.4	30.30	99.41
32.00	31.80	31.83	2.35	425.0	1394.5	31.30	102.69
33.00	32.80	32.83	1.75	570.8	1872.7	32.30	105.97
34.00	33.80	33.83	2.60	384.2	1260.6	33.30	109.25
35.00	34.80	34.83	1.45	689.0	2260.5	34.30	112.53
36.00	35.80	35.83	3.55	281.4	923.3	35.30	115.81
37.00	36.80	36.83	3.05	327.6	1074.8	36.30	119.09

Job No: 11-920

Client: F&ME

Project Title: SC-41 Replacement Bridge

Operator: AS-RH

Hole: CPT-3

Site: SC 41 Replaceme

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Oversite: 214:T1500F15U500

