Table A-3. Boring B-907, Top Section, Suspension S-R1 depths and P- and S_H-wave velocities

Summary of Compressional Wave Velocity, Shear Wave Velocity, and Poisson's Ratio Based on Source-to-Receiver Travel Time Data - Borehole B-907

American Units			
Depth at Midpoint Between Source and Near Receiver	Velocity		Poisson's Ratio
	V_s	V_p	
(ft)	(ft/s)	(ft/s)	
6.5	650	1910	0.43
8.1	710	1870	0.42
9.8	720	1940	0.42
11.4	730	1970	0.42
13.0	800	1970	0.40
14.7	820	1900	0.38
16.3	790	1820	0.38
18.0	780	1850	0.39
19.6	750	1920	0.41
21.2	680	1910	0.43
22.9	620	1910	0.44
24.5	620	1850	0.44
26.2	590	2000	0.45
27.8	570	2000	0.46
29.4	630	1970	0.44
31.1	700	2000	0.43
32.7	750	2290	0.44
34.4	880	3210	0.46
36.0	1060	5190	0.48
37.6	1590	6330	0.47
39.3	2210	7110	0.45
40.9	2460	7450	0.44
42.6	2830	8010	0.43
44.2	2740	8610	0.44
45.8	2520	8440	0.45
47.5	2430	8920	0.46
49.1	2440	8670	0.46
50.8	2300	8980	0.46
52.4	2490	8850	0.46
54.0	2790	8730	0.44
55.7	2970	8670	0.43
57.3	3460	8850	0.41
59.0	3500	8730	0.40
60.6	3660	8920	0.40
62.2	3640	8670	0.39

Metric Units			
Depth at Midpoint Between Source and Near Receiver	Velocity		Poisson's Ratio
	V_s	V_p	
(m)	(m/s)	(m/s)	
2.0	200	580	0.43
2.5	220	570	0.42
3.0	220	590	0.42
3.5	220	600	0.42
4.0	240	600	0.40
4.5	250	580	0.38
5.0	240	560	0.38
5.5	240	560	0.39
6.0	230	580	0.41
6.5	210	580	0.43
7.0	190	580	0.44
7.5	190	560	0.44
8.0	180	610	0.45
8.5	170	610	0.46
9.0	190	600	0.44
9.5	210	610	0.43
10.0	230	700	0.44
10.5	270	980	0.46
11.0	320	1580	0.48
11.5	490	1930	0.47
12.0	670	2170	0.45
12.5	750	2270	0.44
13.0	860	2440	0.43
13.5	840	2630	0.44
14.0	770	2570	0.45
14.5	740	2720	0.46
15.0	740	2640	0.46
15.5	700	2740	0.46
16.0	760	2700	0.46
16.5	850	2660	0.44
17.0	910	2640	0.43
17.5	1050	2700	0.41
18.0	1070	2660	0.40
18.5	1120	2720	0.40
19.0	1110	2640	0.39

Summary of Compressional Wave Velocity, Shear Wave Velocity, and Poisson's Ratio Based on Source-to-Receiver Travel Time Data - Borehole B-907

American Units			
Depth at Midpoint Between Source and Near Receiver	Velocity		Poisson's Ratio
	V_s	V_p	
(ft)	(ft/s)	(ft/s)	
63.9	3420	8610	0.41
65.5	3310	8610	0.41
67.2	3180	8550	0.42
68.8	3280	8440	0.41
70.5	3300	8330	0.41

Metric Units			
Depth at Midpoint Between Source and Near Receiver	Velocity		Poisson's Ratio
	V_s	V_p	
(m)	(m/s)	(m/s)	
19.5	1040	2630	0.41
20.0	1010	2630	0.41
20.5	970	2610	0.42
21.0	1000	2570	0.41
21.5	1000	2540	0.41

Notes: "-" means no data available at that particular interval of depth.

Table A-4. Boring B-907, Bottom Section, Suspension S-R1 depths and P- and S_H-wave velocities

Summary of Compressional Wave Velocity, Shear Wave Velocity, and Poisson's Ratio Based on Source-to-Receiver Travel Time Data - Borehole B-907

American Units			
Depth at Midpoint Between Source and Near Receiver	Velocity		Poisson's Ratio
	V_s	V_p	
(ft)	(ft/s)	(ft/s)	
50.9	2220	8810	0.47
52.5	2600	8930	0.45
54.1	3110	8930	0.43
55.8	3580	8930	0.40
57.4	3680	8930	0.40
59.1	3630	8810	0.40
60.7	3680	8810	0.39
62.3	3750	8810	0.39
64.0	3730	8930	0.39
65.6	3660	8930	0.40
67.3	3480	8690	0.40
68.9	3470	8690	0.41
70.6	3450	8410	0.40
72.2	3200	8200	0.41
73.8	3110	8000	0.41
75.5	3130	7810	0.40
77.1	3040	7950	0.41
78.8	3000	8410	0.43
80.4	3010	8990	0.44
82.0	3030	9250	0.44
83.7	2940	9660	0.45
85.3	2800	9730	0.45
87.0	2630	9590	0.46
88.6	2630	9250	0.46
90.2	2880	9380	0.45
91.9	2870	9380	0.45
93.5	3200	9250	0.43
95.2	3440	9520	0.42
96.8	3360	9590	0.43
98.4	3280	9380	0.43
100.1	3150	9250	0.43
101.7	3170	9060	0.43
103.4	3540	8990	0.41
105.0	3590	8520	0.39
106.6	4130	8200	0.33

Metric Units			
Depth at Midpoint Between Source and Near Receiver	Velocity		Poisson's Ratio
	V_s	V_p	
(m)	(m/s)	(m/s)	
15.5	680	2690	0.47
16.0	790	2720	0.45
16.5	950	2720	0.43
17.0	1090	2720	0.40
17.5	1120	2720	0.40
18.0	1110	2690	0.40
18.5	1120	2690	0.39
19.0	1140	2690	0.39
19.5	1140	2720	0.39
20.0	1120	2720	0.40
20.5	1060	2650	0.40
21.0	1060	2650	0.41
21.5	1050	2560	0.40
22.0	970	2500	0.41
22.5	950	2440	0.41
23.0	950	2380	0.40
23.5	930	2420	0.41
24.0	910	2560	0.43
24.5	920	2740	0.44
25.0	920	2820	0.44
25.5	900	2940	0.45
26.0	850	2970	0.45
26.5	800	2920	0.46
27.0	800	2820	0.46
27.5	880	2860	0.45
28.0	870	2860	0.45
28.5	970	2820	0.43
29.0	1050	2900	0.42
29.5	1020	2920	0.43
30.0	1000	2860	0.43
30.5	960	2820	0.43
31.0	960	2760	0.43
31.5	1080	2740	0.41
32.0	1090	2600	0.39
32.5	1260	2500	0.33

Summary of Compressional Wave Velocity, Shear Wave Velocity, and Poisson's Ratio Based on Source-to-Receiver Travel Time Data - Borehole B-907

American Units			
Depth at Midpoint Between Source and Near Receiver	Velocity		Poisson's Ratio
	V_s	V_p	
(ft)	(ft/s)	(ft/s)	
108.3	4170	8410	0.34
109.9	4000	8930	0.37
111.6	4710	10350	0.37
113.2	5030	12420	0.40
114.8	5650	13870	0.40
116.5	6460	14330	0.37
118.1	6760	14650	0.36
119.8	7580	14820	0.32
121.4	8250	14490	0.26
123.0	8690	15340	0.26
124.7	8870	14990	0.23
126.3	8360	14990	0.27
128.0	7720	15160	0.33
129.6	7450	14650	0.33
131.2	7540	14990	0.33
132.9	7540	15520	0.35
134.5	7160	15710	0.37
136.2	7630	15900	0.35
137.8	7720	16300	0.36
139.4	8690	16510	0.31
142.7	8870	17160	0.32
144.4	9060	16720	0.29
146.0	9180	16940	0.29
147.7	10030	17620	0.26
149.3	9730	17160	0.26
150.9	9730	16510	0.23
152.6	9880	16720	0.23
154.2	9590	17620	0.29
155.9	9590	16720	0.25
157.5	9590	17160	0.27
159.1	9180	16940	0.29
160.8	9450	16720	0.27
162.4	9590	16940	0.26
164.1	9730	16720	0.24
165.7	9380	16720	0.27
167.3	8930	16720	0.30
169.0	9060	17390	0.31
170.6	8990	16940	0.30
172.3	8810	17160	0.32

Metric Units			
Depth at Midpoint Between Source and Near Receiver	Velocity		Poisson's Ratio
	V_s	V_p	
(m)	(m/s)	(m/s)	
33.0	1270	2560	0.34
33.5	1220	2720	0.37
34.0	1430	3150	0.37
34.5	1530	3790	0.40
35.0	1720	4230	0.40
35.5	1970	4370	0.37
36.0	2060	4470	0.36
36.5	2310	4520	0.32
37.0	2520	4420	0.26
37.5	2650	4680	0.26
38.0	2700	4570	0.23
38.5	2550	4570	0.27
39.0	2350	4620	0.33
39.5	2270	4470	0.33
40.0	2300	4570	0.33
40.5	2300	4730	0.35
41.0	2180	4790	0.37
41.5	2320	4850	0.35
42.0	2350	4970	0.36
42.5	2650	5030	0.31
43.5	2700	5230	0.32
44.0	2760	5100	0.29
44.5	2800	5160	0.29
45.0	3060	5370	0.26
45.5	2970	5230	0.26
46.0	2970	5030	0.23
46.5	3010	5100	0.23
47.0	2920	5370	0.29
47.5	2920	5100	0.25
48.0	2920	5230	0.27
48.5	2800	5160	0.29
49.0	2880	5100	0.27
49.5	2920	5160	0.26
50.0	2970	5100	0.24
50.5	2860	5100	0.27
51.0	2720	5100	0.30
51.5	2760	5300	0.31
52.0	2740	5160	0.30
52.5	2690	5230	0.32

Summary of Compressional Wave Velocity, Shear Wave Velocity, and Poisson's Ratio Based on Source-to-Receiver Travel Time Data - Borehole B-907

American Units			
Depth at Midpoint Between Source and Near Receiver	Velocity		Poisson's Ratio
	V_s	V_p	
(ft)	(ft/s)	(ft/s)	
173.9	9060	16720	0.29
175.5	8810	16720	0.31
177.2	8520	16720	0.32
178.8	8810	16510	0.30
180.5	8810	16720	0.31
182.1	9060	16940	0.30
183.7	9250	16940	0.29
185.4	9060	17390	0.31
187.0	8870	17390	0.32
188.7	8580	16940	0.33

Metric Units			
Depth at Midpoint Between Source and Near Receiver	Velocity		Poisson's Ratio
	V_s	V_p	
(m)	(m/s)	(m/s)	
53.0	2760	5100	0.29
53.5	2690	5100	0.31
54.0	2600	5100	0.32
54.5	2690	5030	0.30
55.0	2690	5100	0.31
55.5	2760	5160	0.30
56.0	2820	5160	0.29
56.5	2760	5300	0.31
57.0	2700	5300	0.32
57.5	2610	5160	0.33

Notes: "-" means no data available at that particular interval of depth.

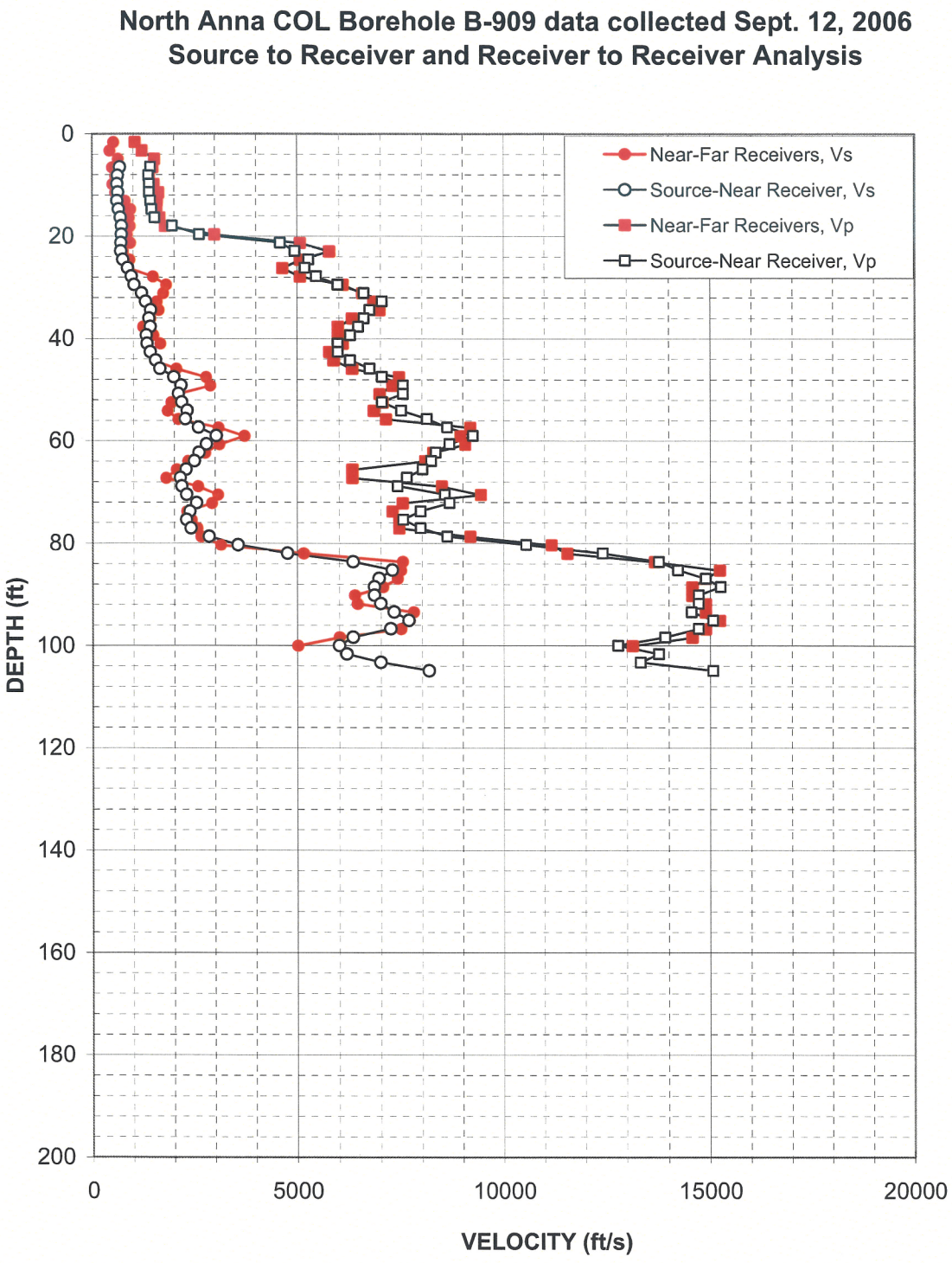

Figure A-5. Boring B-909, Top Section, Suspension S-R1 P- and S_H-wave velocities

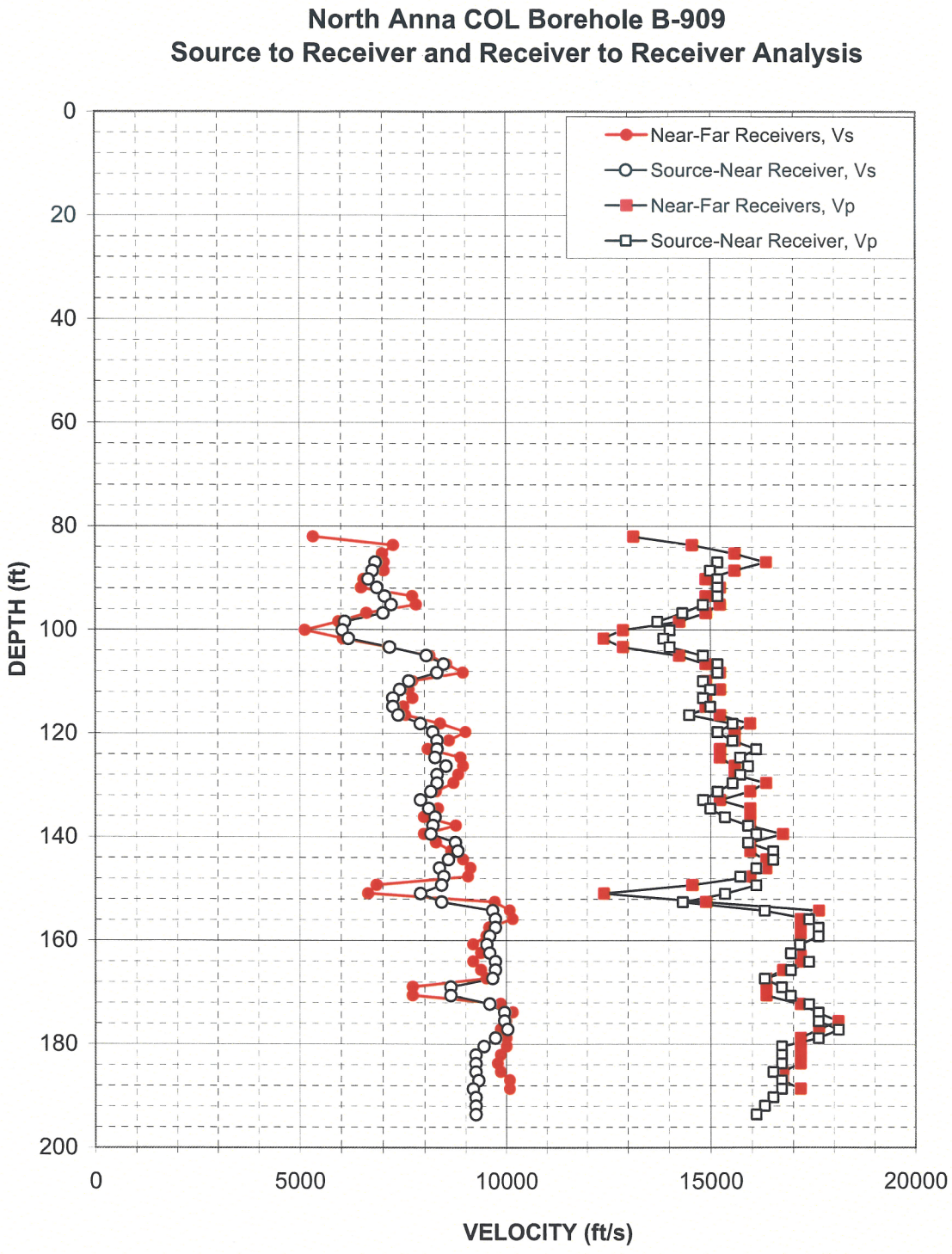

Figure A-6. Boring B-909, Bottom Section, Suspension S-R1 P- and S_H-wave velocities

Table A-5. Boring B-909, Top Section, Suspension S-R1 depths and P- and S_H-wave velocities

Summary of Compressional Wave Velocity, Shear Wave Velocity, and Poisson's Ratio Based on Source-to-Receiver Travel Time Data - Borehole B-909

American Units			
Depth at Midpoint Between Source and Near Receiver	Velocity		Poisson's Ratio
	V_s	V_p	
(ft)	(ft/s)	(ft/s)	
6.5	670	1420	0.36
8.1	620	1370	0.37
9.8	610	1390	0.38
11.4	620	1390	0.37
13.0	610	1420	0.39
14.7	640	1450	0.38
16.3	690	1520	0.37
18.0	710	1950	0.42
19.6	710	2620	0.46
21.2	700	4590	0.49
22.9	700	4950	0.49
24.5	740	5280	0.49
26.2	860	5190	0.49
27.8	950	5460	0.48
29.5	1020	5970	0.48
31.1	1200	6590	0.48
32.7	1300	7030	0.48
34.4	1430	6730	0.48
36.0	1380	6590	0.48
37.7	1410	6460	0.47
39.3	1320	6270	0.48
40.9	1340	5970	0.47
42.6	1410	5970	0.47
44.2	1540	6270	0.47
45.9	1650	6730	0.47
47.5	1990	7030	0.46
49.1	2170	7540	0.45
50.8	2100	7540	0.46
52.4	2180	7030	0.45
54.1	2320	7490	0.45
55.7	2270	8120	0.46
57.3	2590	8610	0.45
59.0	3030	9240	0.44
60.6	2790	8670	0.44
62.3	2600	8330	0.45

Metric Units			
Depth at Midpoint Between Source and Near Receiver	Velocity		Poisson's Ratio
	V_s	V_p	
(m)	(m/s)	(m/s)	
2.0	200	430	0.36
2.5	190	420	0.37
3.0	180	420	0.38
3.5	190	420	0.37
4.0	180	430	0.39
4.5	200	440	0.38
5.0	210	460	0.37
5.5	220	600	0.42
6.0	220	800	0.46
6.5	210	1400	0.49
7.0	210	1510	0.49
7.5	230	1610	0.49
8.0	260	1580	0.49
8.5	290	1660	0.48
9.0	310	1820	0.48
9.5	370	2010	0.48
10.0	400	2140	0.48
10.5	430	2050	0.48
11.0	420	2010	0.48
11.5	430	1970	0.47
12.0	400	1910	0.48
12.5	410	1820	0.47
13.0	430	1820	0.47
13.5	470	1910	0.47
14.0	500	2050	0.47
14.5	610	2140	0.46
15.0	660	2300	0.45
15.5	640	2300	0.46
16.0	670	2140	0.45
16.5	710	2280	0.45
17.0	690	2470	0.46
17.5	790	2630	0.45
18.0	920	2820	0.44
18.5	850	2640	0.44
19.0	790	2540	0.45

Summary of Compressional Wave Velocity, Shear Wave Velocity, and Poisson's Ratio Based on Source-to-Receiver Travel Time Data - Borehole B-909

American Units			
Depth at Midpoint Between Source and Near Receiver	Velocity		Poisson's Ratio
	V_s	V_p	
(ft)	(ft/s)	(ft/s)	
63.9	2490	8220	0.45
65.5	2290	8010	0.46
67.2	2150	7630	0.46
68.8	2180	7400	0.45
70.5	2300	8550	0.46
72.1	2540	8670	0.45
73.7	2380	7960	0.45
75.4	2300	7540	0.45
77.0	2410	7960	0.45
78.7	2850	8610	0.44
80.3	3560	10550	0.44
81.9	4760	12410	0.41
83.6	6330	13760	0.37
85.2	7280	14220	0.32
86.9	6960	14890	0.36
88.5	6840	15250	0.37
90.1	6840	14720	0.36
91.8	6990	14720	0.35
93.4	7320	14550	0.33
95.1	7670	15070	0.33
96.7	7230	14720	0.34
98.3	6330	13910	0.37
100.0	6000	12790	0.36
101.6	6180	13760	0.37
103.3	6990	13330	0.31
104.9	8170	15070	0.29

Metric Units			
Depth at Midpoint Between Source and Near Receiver	Velocity		Poisson's Ratio
	V_s	V_p	
(m)	(m/s)	(m/s)	
19.5	760	2510	0.45
20.0	700	2440	0.46
20.5	650	2320	0.46
21.0	670	2260	0.45
21.5	700	2610	0.46
22.0	770	2640	0.45
22.5	730	2430	0.45
23.0	700	2300	0.45
23.5	730	2430	0.45
24.0	870	2630	0.44
24.5	1080	3220	0.44
25.0	1450	3780	0.41
25.5	1930	4190	0.37
26.0	2220	4340	0.32
26.5	2120	4540	0.36
27.0	2090	4650	0.37
27.5	2090	4490	0.36
28.0	2130	4490	0.35
28.5	2230	4440	0.33
29.0	2340	4590	0.33
29.5	2210	4490	0.34
30.0	1930	4240	0.37
30.5	1830	3900	0.36
31.0	1880	4190	0.37
31.5	2130	4060	0.31
32.0	2490	4590	0.29

Notes: "-" means no data available at that particular interval of depth.

Table A-6. Boring B-909, Bottom Section, Suspension S-R1 depths and P- and S_H-wave velocities

Summary of Compressional Wave Velocity, Shear Wave Velocity, and Poisson's Ratio Based on Source-to-Receiver Travel Time Data - Borehole B-909

American Units			
Depth at Midpoint Between Source and Near Receiver	Velocity		Poisson's Ratio
	V_s	V_p	
(ft)	(ft/s)	(ft/s)	
87.0	6830	15160	0.37
88.6	6760	14990	0.37
90.2	6650	15160	0.38
91.9	6860	15160	0.37
93.5	7050	15160	0.36
95.2	7200	14820	0.35
96.8	7010	14330	0.34
98.4	6090	13730	0.38
100.1	6040	14020	0.39
101.7	6180	13870	0.38
103.4	7160	14020	0.32
105.0	8050	14820	0.29
106.6	8470	15160	0.27
108.3	8310	15160	0.29
109.9	7630	14820	0.32
111.6	7410	14990	0.34
113.2	7240	14820	0.34
114.8	7240	14990	0.35
116.5	7370	14490	0.33
118.1	7900	15520	0.33
119.8	8200	15160	0.29
121.4	8310	15520	0.30
123.0	8310	16100	0.32
124.7	8250	15710	0.31
126.3	8520	15900	0.30
128.0	8310	15710	0.31
129.6	8310	15520	0.30
131.2	8150	15160	0.30
132.9	7900	14820	0.30
134.5	8100	14990	0.29
136.2	8250	15340	0.30
137.8	8200	15900	0.32
139.4	8150	16100	0.33
141.1	8750	15900	0.28
142.7	8810	16510	0.30

Metric Units			
Depth at Midpoint Between Source and Near Receiver	Velocity		Poisson's Ratio
	V_s	V_p	
(m)	(m/s)	(m/s)	
26.5	2080	4620	0.37
27.0	2060	4570	0.37
27.5	2030	4620	0.38
28.0	2090	4620	0.37
28.5	2150	4620	0.36
29.0	2200	4520	0.35
29.5	2140	4370	0.34
30.0	1860	4180	0.38
30.5	1840	4270	0.39
31.0	1880	4230	0.38
31.5	2180	4270	0.32
32.0	2450	4520	0.29
32.5	2580	4620	0.27
33.0	2530	4620	0.29
33.5	2320	4520	0.32
34.0	2260	4570	0.34
34.5	2210	4520	0.34
35.0	2210	4570	0.35
35.5	2250	4420	0.33
36.0	2410	4730	0.33
36.5	2500	4620	0.29
37.0	2530	4730	0.30
37.5	2530	4910	0.32
38.0	2520	4790	0.31
38.5	2600	4850	0.30
39.0	2530	4790	0.31
39.5	2530	4730	0.30
40.0	2480	4620	0.30
40.5	2410	4520	0.30
41.0	2470	4570	0.29
41.5	2520	4680	0.30
42.0	2500	4850	0.32
42.5	2480	4910	0.33
43.0	2670	4850	0.28
43.5	2690	5030	0.30

Summary of Compressional Wave Velocity, Shear Wave Velocity, and Poisson's Ratio Based on Source-to-Receiver Travel Time Data - Borehole B-909

American Units				Metric Units			
Depth at Midpoint Between Source and Near Receiver	Velocity		Poisson's Ratio	Depth at Midpoint Between Source and Near Receiver	Velocity		Poisson's Ratio
	V_s	V_p			V_s	V_p	
(ft)	(ft/s)	(ft/s)		(m)	(m/s)	(m/s)	
144.4	8580	16510	0.31	44.0	2610	5030	0.31
146.0	8360	16100	0.32	44.5	2550	4910	0.32
147.7	8470	15710	0.30	45.0	2580	4790	0.30
149.3	8410	16100	0.31	45.5	2560	4910	0.31
150.9	7900	15340	0.32	46.0	2410	4680	0.32
152.6	8410	14330	0.24	46.5	2560	4370	0.24
154.2	9660	16300	0.23	47.0	2940	4970	0.23
155.9	9730	17390	0.27	47.5	2970	5300	0.27
157.5	9730	17620	0.28	48.0	2970	5370	0.28
159.1	9590	17620	0.29	48.5	2920	5370	0.29
160.8	9520	17160	0.28	49.0	2900	5230	0.28
162.4	9590	16940	0.26	49.5	2920	5160	0.26
164.1	9730	17390	0.27	50.0	2970	5300	0.27
165.7	9730	16940	0.25	50.5	2970	5160	0.25
167.3	9660	16300	0.23	51.0	2940	4970	0.23
169.0	8640	16720	0.32	51.5	2630	5100	0.32
170.6	8640	16940	0.32	52.0	2630	5160	0.32
172.3	9590	17390	0.28	52.5	2920	5300	0.28
173.9	9950	17620	0.27	53.0	3030	5370	0.27
175.5	9950	17620	0.27	53.5	3030	5370	0.27
177.2	10030	18110	0.28	54.0	3060	5520	0.28
178.8	9730	17620	0.28	54.5	2970	5370	0.28
180.5	9450	16720	0.27	55.0	2880	5100	0.27
182.1	9250	16720	0.28	55.5	2820	5100	0.28
183.7	9250	16720	0.28	56.0	2820	5100	0.28
185.4	9250	16510	0.27	56.5	2820	5030	0.27
187.0	9310	16720	0.27	57.0	2840	5100	0.27
188.7	9180	16720	0.28	57.5	2800	5100	0.28
190.3	9250	16510	0.27	58.0	2820	5030	0.27
191.9	9250	16300	0.26	58.5	2820	4970	0.26
193.6	9250	16100	0.25	59.0	2820	4910	0.25

Notes: "-" means no data available at that particular interval of depth.