

ProShake Report

Data File: C:\PROFILES\I-80\5KM-1\I80A.DAT

Soil Profile

Profile Name: I-80 5 km Convolution Analysis Using Deep Vs Profile I

Water Table: Not Applicable

Number of Layers: 272

Layer	Material Name	Thickn ess	Unit Weight	Gmax	Vs	Modulus Curve	Damping Curve	Mod.	Damp.
Numbe r		(m)	(kN/m^ 3)	(MPa)	(m/se c)			Parame ter	Parame ter
1	Silty sand - Alluvium	1.52	19.64	44.63	149.35	(EPRI) Saturated Sand	(EPRI) Saturated Sand	7.50	7.50
2	Clayey silt - Alluvium	2.44	19.16	50.96	161.54	Vucetic - Dobry	Vucetic - Dobry	15.00	15.00
3	Soft to medium stiff silty clay -B. Clay	4.11	17.75	47.20	161.54	Vucetic - Dobry	Vucetic - Dobry	25.00	25.00
4	Very stiff clay	5.79	18.07	135.45	271.27	Clay (Seed and Sun 1989)	Clay - Average (Sun et al.)		
5	Soft to medium stiff silty clay - B. Clay	4.11	17.75	52.69	170.69	Vucetic - Dobry	Vucetic - Dobry	30.00	30.00
6	m. stiff to stiff silty clay and m. dense sand	4.85	19.64	96.35	219.46	Vucetic - Dobry	Vucetic - Dobry	20.00	20.00
7	Sandy clay	4.88	18.07	132.42	268.22	Vucetic - Dobry	Vucetic - Dobry	20.00	20.00
8	Silty clay	6.40	18.07	130.92	266.70	Vucetic - Dobry	Vucetic - Dobry	20.00	22.00
9	Silty clay	4.88	18.07	129.43	265.18	Vucetic - Dobry	Vucetic - Dobry	20.00	22.00
10	Silty clay	3.96	18.85	135.06	265.18	Vucetic - Dobry	Vucetic - Dobry	20.00	22.00
11	Very dense sand and clayey silt	3.66	20.11	121.81	243.84	Clay (Seed and Sun 1989)	Clay - Average (Sun et al.)		
12	Dense clayey silt	4.88	20.42	163.61	280.42	Clay (Seed and Sun 1989)	Clay - Average (Sun et al.)		
13	Dense clayey silt with fine sand	5.18	20.11	154.17	274.32	Clay (Seed and Sun 1989)	Clay - Average (Sun et al.)		
14	Very stiff clay	5.79	18.07	135.45	271.27	Clay (Seed and Sun 1989)	Clay - Average (Sun et al.)		
15	Sand	8.17	20.42	255.65	350.52	(EPRI) Saturated Sand	(EPRI) Saturated Sand	587.00	587.00
16	Sand	8.69	20.42	352.30	411.48	(EPRI) Saturated Sand	(EPRI) Saturated Sand	676.50	676.50
17	Sand	8.69	20.42	352.30	411.48	(EPRI) Saturated Sand	(EPRI) Saturated Sand	768.80	768.80
18	Sand	8.69	20.42	352.30	411.48	(EPRI) Saturated Sand	(EPRI) Saturated Sand	861.00	861.00
19	Sand	8.69	20.42	352.30	411.48	(EPRI) Saturated Sand	(EPRI) Saturated Sand	953.30	953.30
20	Sediments	10.36	20.42	464.41	472.44	(EPRI) Saturated Sand	(EPRI) Saturated Sand	957.60	957.60
21	Sediments	10.36	20.42	464.41	472.44	(EPRI) Saturated Sand	(EPRI) Saturated Sand	957.60	957.60
22	Sediments	10.36	20.42	464.41	472.44	(EPRI) Saturated Sand	(EPRI) Saturated Sand	957.60	957.60
23	Sediments	10.36	20.42	464.41	472.44	(EPRI) Saturated Sand	(EPRI) Saturated Sand	957.60	957.60
24	Sediments	12.19	20.42	592.00	533.40	(EPRI) Saturated Sand	(EPRI) Saturated Sand	957.60	957.60
25	Sediments	12.19	20.42	592.00	533.40	(EPRI) Saturated Sand	(EPRI) Saturated Sand	957.60	957.60
26	Sediments	12.19	20.42	592.00	533.40	(EPRI) Saturated Sand	(EPRI) Saturated Sand	957.60	957.60
27	Sediments	16.25	20.42	592.00	533.40	(EPRI) Saturated Sand	(EPRI) Saturated Sand	957.60	957.60
28	Sediments	13.90	20.42	773.22	609.60	(EPRI) Saturated Sand	(EPRI) Saturated Sand	957.60	957.60
29	Sediments	13.90	20.42	773.22	609.60	(EPRI) Saturated Sand	(EPRI) Saturated Sand	957.60	957.60

30	<u>Sediments</u>	<u>13.90</u>	<u>20.42</u>	<u>773.22</u>	<u>609.60</u>	<u>(EPRI) Saturated Sand</u>	<u>(EPRI) Saturated Sand</u>	<u>957.60</u>	<u>957.60</u>
31	<u>Sediments</u>	<u>13.90</u>	<u>20.42</u>	<u>773.22</u>	<u>609.60</u>	<u>(EPRI) Saturated Sand</u>	<u>(EPRI) Saturated Sand</u>	<u>957.60</u>	<u>957.60</u>
32	<u>Sediments</u>	<u>13.90</u>	<u>20.42</u>	<u>773.22</u>	<u>609.60</u>	<u>(EPRI) Saturated Sand</u>	<u>(EPRI) Saturated Sand</u>	<u>957.60</u>	<u>957.60</u>
33	<u>Sediments</u>	<u>18.53</u>	<u>20.42</u>	<u>773.22</u>	<u>609.60</u>	<u>(EPRI) Saturated Sand</u>	<u>(EPRI) Saturated Sand</u>	<u>957.60</u>	<u>957.60</u>
34	<u>Sediments</u>	<u>13.90</u>	<u>20.42</u>	<u>773.22</u>	<u>609.60</u>	<u>(EPRI) Saturated Sand</u>	<u>(EPRI) Saturated Sand</u>	<u>957.60</u>	<u>957.60</u>
35	<u>Sediments</u>	<u>17.68</u>	<u>20.42</u>	<u>773.22</u>	<u>609.60</u>	<u>(EPRI) Saturated Sand</u>	<u>(EPRI) Saturated Sand</u>	<u>957.60</u>	<u>957.60</u>
36	<u>Sediments</u>	<u>9.45</u>	<u>20.42</u>	<u>1,208.16</u>	<u>762.00</u>	<u>(EPRI) Saturated Sand</u>	<u>(EPRI) Saturated Sand</u>	<u>957.60</u>	<u>957.60</u>
37	<u>Linear Rock</u>	<u>9.94</u>	<u>21.52</u>	<u>3,763.17</u>	<u>1,310.03</u>	<u>Linear</u>	<u>Linear</u>		<u>0.71</u>
38	<u>Linear Rock</u>	<u>9.94</u>	<u>21.52</u>	<u>3,763.17</u>	<u>1,310.03</u>	<u>Linear</u>	<u>Linear</u>		<u>0.71</u>
39	<u>Linear Rock</u>	<u>9.94</u>	<u>21.52</u>	<u>3,763.17</u>	<u>1,310.03</u>	<u>Linear</u>	<u>Linear</u>		<u>0.71</u>
40	<u>Linear Rock</u>	<u>9.94</u>	<u>21.52</u>	<u>3,763.17</u>	<u>1,310.03</u>	<u>Linear</u>	<u>Linear</u>		<u>0.71</u>
41	<u>Linear Rock</u>	<u>9.94</u>	<u>21.52</u>	<u>3,763.17</u>	<u>1,310.03</u>	<u>Linear</u>	<u>Linear</u>		<u>0.71</u>
42	<u>Linear Rock</u>	<u>9.94</u>	<u>21.52</u>	<u>3,763.17</u>	<u>1,310.03</u>	<u>Linear</u>	<u>Linear</u>		<u>0.71</u>
43	<u>Linear Rock</u>	<u>9.94</u>	<u>21.52</u>	<u>3,763.17</u>	<u>1,310.03</u>	<u>Linear</u>	<u>Linear</u>		<u>0.71</u>
44	<u>Linear Rock</u>	<u>9.94</u>	<u>21.52</u>	<u>3,763.17</u>	<u>1,310.03</u>	<u>Linear</u>	<u>Linear</u>		<u>0.71</u>
45	<u>Linear Rock</u>	<u>9.94</u>	<u>21.52</u>	<u>3,763.17</u>	<u>1,310.03</u>	<u>Linear</u>	<u>Linear</u>		<u>0.71</u>
46	<u>Linear Rock</u>	<u>9.94</u>	<u>21.52</u>	<u>3,763.17</u>	<u>1,310.03</u>	<u>Linear</u>	<u>Linear</u>		<u>0.71</u>
47	<u>Linear Rock</u>	<u>9.94</u>	<u>21.52</u>	<u>3,763.17</u>	<u>1,310.03</u>	<u>Linear</u>	<u>Linear</u>		<u>0.71</u>
48	<u>Linear Rock</u>	<u>9.94</u>	<u>21.52</u>	<u>3,763.17</u>	<u>1,310.03</u>	<u>Linear</u>	<u>Linear</u>		<u>0.71</u>
49	<u>Linear Rock</u>	<u>9.94</u>	<u>21.52</u>	<u>3,763.17</u>	<u>1,310.03</u>	<u>Linear</u>	<u>Linear</u>		<u>0.71</u>
50	<u>Linear Rock</u>	<u>9.94</u>	<u>21.52</u>	<u>3,763.17</u>	<u>1,310.03</u>	<u>Linear</u>	<u>Linear</u>		<u>0.71</u>
51	<u>Linear Rock</u>	<u>9.94</u>	<u>21.52</u>	<u>3,763.17</u>	<u>1,310.03</u>	<u>Linear</u>	<u>Linear</u>		<u>0.71</u>
52	<u>Linear Rock</u>	<u>9.94</u>	<u>21.52</u>	<u>3,763.17</u>	<u>1,310.03</u>	<u>Linear</u>	<u>Linear</u>		<u>0.71</u>
53	<u>Linear Rock</u>	<u>9.94</u>	<u>21.52</u>	<u>3,763.17</u>	<u>1,310.03</u>	<u>Linear</u>	<u>Linear</u>		<u>0.71</u>
54	<u>Linear Rock</u>	<u>9.94</u>	<u>21.52</u>	<u>3,763.17</u>	<u>1,310.03</u>	<u>Linear</u>	<u>Linear</u>		<u>0.71</u>
55	<u>Linear Rock</u>	<u>9.94</u>	<u>21.52</u>	<u>3,763.17</u>	<u>1,310.03</u>	<u>Linear</u>	<u>Linear</u>		<u>0.71</u>
56	<u>Linear Rock</u>	<u>9.94</u>	<u>21.52</u>	<u>3,763.17</u>	<u>1,310.03</u>	<u>Linear</u>	<u>Linear</u>		<u>0.71</u>
57	<u>Linear Rock</u>	<u>9.94</u>	<u>21.52</u>	<u>3,763.17</u>	<u>1,310.03</u>	<u>Linear</u>	<u>Linear</u>		<u>0.71</u>
58	<u>Linear Rock</u>	<u>9.94</u>	<u>21.52</u>	<u>3,763.17</u>	<u>1,310.03</u>	<u>Linear</u>	<u>Linear</u>		<u>0.71</u>
59	<u>Linear Rock</u>	<u>9.94</u>	<u>21.52</u>	<u>3,763.17</u>	<u>1,310.03</u>	<u>Linear</u>	<u>Linear</u>		<u>0.71</u>
60	<u>Linear Rock</u>	<u>9.94</u>	<u>21.52</u>	<u>3,763.17</u>	<u>1,310.03</u>	<u>Linear</u>	<u>Linear</u>		<u>0.71</u>
61	<u>Linear Rock</u>	<u>9.94</u>	<u>21.52</u>	<u>3,763.17</u>	<u>1,310.03</u>	<u>Linear</u>	<u>Linear</u>		<u>0.71</u>
62	<u>Linear Rock</u>	<u>9.94</u>	<u>21.52</u>	<u>3,763.17</u>	<u>1,310.03</u>	<u>Linear</u>	<u>Linear</u>		<u>0.71</u>
63	<u>Linear Rock</u>	<u>9.94</u>	<u>21.52</u>	<u>3,763.17</u>	<u>1,310.03</u>	<u>Linear</u>	<u>Linear</u>		<u>0.71</u>
64	<u>Linear Rock</u>	<u>9.94</u>	<u>21.52</u>	<u>3,763.17</u>	<u>1,310.03</u>	<u>Linear</u>	<u>Linear</u>		<u>0.71</u>
65	<u>Linear Rock</u>	<u>9.94</u>	<u>21.52</u>	<u>3,763.17</u>	<u>1,310.03</u>	<u>Linear</u>	<u>Linear</u>		<u>0.71</u>
66	<u>Linear Rock</u>	<u>9.94</u>	<u>21.52</u>	<u>3,763.17</u>	<u>1,310.03</u>	<u>Linear</u>	<u>Linear</u>		<u>0.71</u>
67	<u>Linear Rock</u>	<u>9.94</u>	<u>21.52</u>	<u>3,763.17</u>	<u>1,310.03</u>	<u>Linear</u>	<u>Linear</u>		<u>0.71</u>
68	<u>Linear Rock</u>	<u>9.94</u>	<u>21.52</u>	<u>3,763.17</u>	<u>1,310.03</u>	<u>Linear</u>	<u>Linear</u>		<u>0.71</u>

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

264	Rock below 1.5 km	26.20	27.02	32.958.98	3.460.09	Linear	Linear	0.08
265	Rock below 1.5 km	26.20	27.02	32.958.98	3.460.09	Linear	Linear	0.08
266	Rock below 1.5 km	26.20	27.02	32.958.98	3.460.09	Linear	Linear	0.08
267	Rock below 1.5 km	26.20	27.02	32.958.98	3.460.09	Linear	Linear	0.08
268	Rock below 1.5 km	26.20	27.02	32.958.98	3.460.09	Linear	Linear	0.08
269	Rock below 1.5 km	26.20	27.02	32.958.98	3.460.09	Linear	Linear	0.08
270	Rock below 1.5 km	26.20	27.02	32.958.98	3.460.09	Linear	Linear	0.08
271	Rock below 1.5 km	26.20	27.02	32.958.98	3.460.09	Linear	Linear	0.08
272	Infinite Half-Space	0.00	27.02	32.958.98	3.460.09	Linear	Linear	0.08

Input Motion

Number of Motions: 5
 Number of Iterations: 10
 Strain Ratio: 0.60
 Tolerance: 5.00%

File Name	No of Acc.	Max. Acc.	Time Step	Cutoff Freq.	No of Fourier	Layer	Outcrop
		(g)	(sec)	(Hz)	Terms		
C:\DECONV-1\CAP80XF.EQ	4096	0.415	0.010	25.00	8192	272	Yes
C:\DECONV-1\ERZ80XF.EQ	8192	0.385	0.005	25.00	16384	272	Yes
C:\DECONV-1\IMP80XF.EQ	8192	0.565	0.005	25.00	16384	272	Yes
C:\DECONV-1\SUP80XF.EQ	4096	0.431	0.010	25.00	8192	272	Yes
C:\DECONV-1\UCL80XF.EQ	8192	0.445	0.010	25.00	16384	272	Yes

Output Locations

Layer No	Depth (m)	Outcrop
1	0.00	Yes

Number	Description	Motion	Output	Shear Wave Velocity	Unit Weight
1	CLAY	CLAY	CLAY	CLAY	CLAY
2	CLAY	CLAY	CLAY	CLAY	CLAY
3	CLAY	CLAY	CLAY	CLAY	CLAY
4	CLAY	CLAY	CLAY	CLAY	CLAY
5	CLAY	CLAY	CLAY	CLAY	CLAY
6	CLAY	CLAY	CLAY	CLAY	CLAY
7	CLAY	CLAY	CLAY	CLAY	CLAY
8	CLAY	CLAY	CLAY	CLAY	CLAY
9	CLAY	CLAY	CLAY	CLAY	CLAY
10	CLAY	CLAY	CLAY	CLAY	CLAY
11	CLAY	CLAY	CLAY	CLAY	CLAY
12	CLAY	CLAY	CLAY	CLAY	CLAY
13	CLAY	CLAY	CLAY	CLAY	CLAY
14	CLAY	CLAY	CLAY	CLAY	CLAY
15	CLAY	CLAY	CLAY	CLAY	CLAY
16	CLAY	CLAY	CLAY	CLAY	CLAY
17	CLAY	CLAY	CLAY	CLAY	CLAY
18	CLAY	CLAY	CLAY	CLAY	CLAY
19	CLAY	CLAY	CLAY	CLAY	CLAY
20	CLAY	CLAY	CLAY	CLAY	CLAY
21	CLAY	CLAY	CLAY	CLAY	CLAY
22	CLAY	CLAY	CLAY	CLAY	CLAY
23	CLAY	CLAY	CLAY	CLAY	CLAY
24	CLAY	CLAY	CLAY	CLAY	CLAY
25	CLAY	CLAY	CLAY	CLAY	CLAY
26	CLAY	CLAY	CLAY	CLAY	CLAY
27	CLAY	CLAY	CLAY	CLAY	CLAY
28	CLAY	CLAY	CLAY	CLAY	CLAY
29	CLAY	CLAY	CLAY	CLAY	CLAY
30	CLAY	CLAY	CLAY	CLAY	CLAY
31	CLAY	CLAY	CLAY	CLAY	CLAY
32	CLAY	CLAY	CLAY	CLAY	CLAY
33	CLAY	CLAY	CLAY	CLAY	CLAY
34	CLAY	CLAY	CLAY	CLAY	CLAY
35	CLAY	CLAY	CLAY	CLAY	CLAY
36	CLAY	CLAY	CLAY	CLAY	CLAY
37	CLAY	CLAY	CLAY	CLAY	CLAY
38	CLAY	CLAY	CLAY	CLAY	CLAY
39	CLAY	CLAY	CLAY	CLAY	CLAY
40	CLAY	CLAY	CLAY	CLAY	CLAY
41	CLAY	CLAY	CLAY	CLAY	CLAY
42	CLAY	CLAY	CLAY	CLAY	CLAY
43	CLAY	CLAY	CLAY	CLAY	CLAY
44	CLAY	CLAY	CLAY	CLAY	CLAY
45	CLAY	CLAY	CLAY	CLAY	CLAY
46	CLAY	CLAY	CLAY	CLAY	CLAY
47	CLAY	CLAY	CLAY	CLAY	CLAY
48	CLAY	CLAY	CLAY	CLAY	CLAY
49	CLAY	CLAY	CLAY	CLAY	CLAY
50	CLAY	CLAY	CLAY	CLAY	CLAY
51	CLAY	CLAY	CLAY	CLAY	CLAY
52	CLAY	CLAY	CLAY	CLAY	CLAY
53	CLAY	CLAY	CLAY	CLAY	CLAY
54	CLAY	CLAY	CLAY	CLAY	CLAY
55	CLAY	CLAY	CLAY	CLAY	CLAY
56	CLAY	CLAY	CLAY	CLAY	CLAY
57	CLAY	CLAY	CLAY	CLAY	CLAY
58	CLAY	CLAY	CLAY	CLAY	CLAY
59	CLAY	CLAY	CLAY	CLAY	CLAY
60	CLAY	CLAY	CLAY	CLAY	CLAY
61	CLAY	CLAY	CLAY	CLAY	CLAY
62	CLAY	CLAY	CLAY	CLAY	CLAY
63	CLAY	CLAY	CLAY	CLAY	CLAY
64	CLAY	CLAY	CLAY	CLAY	CLAY
65	CLAY	CLAY	CLAY	CLAY	CLAY
66	CLAY	CLAY	CLAY	CLAY	CLAY
67	CLAY	CLAY	CLAY	CLAY	CLAY
68	CLAY	CLAY	CLAY	CLAY	CLAY
69	CLAY	CLAY	CLAY	CLAY	CLAY
70	CLAY	CLAY	CLAY	CLAY	CLAY
71	CLAY	CLAY	CLAY	CLAY	CLAY
72	CLAY	CLAY	CLAY	CLAY	CLAY
73	CLAY	CLAY	CLAY	CLAY	CLAY
74	CLAY	CLAY	CLAY	CLAY	CLAY
75	CLAY	CLAY	CLAY	CLAY	CLAY
76	CLAY	CLAY	CLAY	CLAY	CLAY
77	CLAY	CLAY	CLAY	CLAY	CLAY
78	CLAY	CLAY	CLAY	CLAY	CLAY
79	CLAY	CLAY	CLAY	CLAY	CLAY
80	CLAY	CLAY	CLAY	CLAY	CLAY
81	CLAY	CLAY	CLAY	CLAY	CLAY
82	CLAY	CLAY	CLAY	CLAY	CLAY
83	CLAY	CLAY	CLAY	CLAY	CLAY
84	CLAY	CLAY	CLAY	CLAY	CLAY
85					

ProShake Report

Data File: C:\PROFILES\I-80\5KM-1\I80B.DAT

Soil Profile

Profile Name: I-80 5 km Convolution Analysis Using Deep Vs Profile II

Water Table: Not Applicable

Number of Layers: 272

Layer Number	Material Name	Thick- ness (m)	Unit Weight (kN/m ³)	Gmax (MPa)	Vs (m/sec)	Modulus Curve	Damping Curve	Mod. Parameter	Damp. Parameter
1	Silty sand - Alluvium	1.52	19.64	44.63	149.35	(EPRI) Saturated Sand	(EPRI) Saturated Sand	7.50	7.50
2	Clayey silt - Alluvium	2.44	19.16	50.96	161.54	Vucetic - Dobry	Vucetic - Dobry	15.00	15.00
3	Soft to medium stiff silty clay - B. Clay	4.11	17.75	47.20	161.54	Vucetic - Dobry	Vucetic - Dobry	25.00	25.00
4	Soft to medium stiff silty clay - B. Clay	4.11	17.75	49.00	164.59	Vucetic - Dobry	Vucetic - Dobry	30.00	30.00
5	Soft to medium stiff silty clay - B. Clay	4.11	17.75	52.69	170.69	Vucetic - Dobry	Vucetic - Dobry	30.00	30.00
6	m. stiff to stiff silty clay and m. dense sand	4.85	19.64	96.35	219.46	Vucetic - Dobry	Vucetic - Dobry	20.00	20.00
7	Sandy clay	4.88	18.07	132.42	268.22	Vucetic - Dobry	Vucetic - Dobry	20.00	20.00
8	Silty clay	6.40	18.07	130.92	266.70	Vucetic - Dobry	Vucetic - Dobry	20.00	22.00
9	Silty clay	4.88	18.07	129.43	265.18	Vucetic - Dobry	Vucetic - Dobry	20.00	22.00
10	Silty clay	3.96	18.85	135.06	265.18	Vucetic - Dobry	Vucetic - Dobry	20.00	22.00
11	Very dense sand and clayey silt	3.66	20.11	121.81	243.84	Clay (Seed and Sun 1989)	Clay - Average (Sun et al.)		
12	Dense clayey silt	4.88	20.42	163.61	280.42	Clay (Seed and Sun 1989)	Clay - Average (Sun et al.)		
13	Dense clayey silt with fine sand	5.18	20.11	154.17	274.32	Clay (Seed and Sun 1989)	Clay - Average (Sun et al.)		
14	Very stiff clay	5.79	18.07	135.45	271.27	Clay (Seed and Sun 1989)	Clay - Average (Sun et al.)		
15	Sand	8.17	20.42	255.65	350.52	(EPRI) Saturated Sand	(EPRI) Saturated Sand	587.00	587.00
16	Sand	8.69	20.42	352.30	411.48	(EPRI) Saturated Sand	(EPRI) Saturated Sand	676.50	676.50
17	Sand	8.69	20.42	352.30	411.48	(EPRI) Saturated Sand	(EPRI) Saturated Sand	768.80	768.80
18	Sand	8.69	20.42	352.30	411.48	(EPRI) Saturated Sand	(EPRI) Saturated Sand	861.00	861.00
19	Sand	8.69	20.42	352.30	411.48	(EPRI) Saturated Sand	(EPRI) Saturated Sand	953.30	953.30
20	Sediments	10.36	20.42	464.41	472.44	(EPRI) Saturated Sand	(EPRI) Saturated Sand	957.60	957.60
21	Sediments	10.36	20.42	464.41	472.44	(EPRI) Saturated Sand	(EPRI) Saturated Sand	957.60	957.60
22	Sediments	10.36	20.42	464.41	472.44	(EPRI) Saturated Sand	(EPRI) Saturated Sand	957.60	957.60
23	Sediments	10.36	20.42	464.41	472.44	(EPRI) Saturated Sand	(EPRI) Saturated Sand	957.60	957.60
24	Sediments	12.19	20.42	592.00	533.40	(EPRI) Saturated Sand	(EPRI) Saturated Sand	957.60	957.60
25	Sediments	12.19	20.42	592.00	533.40	(EPRI) Saturated Sand	(EPRI) Saturated Sand	957.60	957.60
26	Sediments	12.19	20.42	592.00	533.40	(EPRI) Saturated Sand	(EPRI) Saturated Sand	957.60	957.60
27	Sediments	16.25	20.42	773.22	609.60	(EPRI) Saturated Sand	(EPRI) Saturated Sand	957.60	957.60
28	Sediments	13.90	20.42	773.22	609.60	(EPRI) Saturated Sand	(EPRI) Saturated Sand	957.60	957.60
29	Sediments	13.90	20.42	773.22	609.60	(EPRI) Saturated Sand	(EPRI) Saturated Sand	957.60	957.60

30	<u>Sediments</u>	<u>13.90</u>	<u>20.42</u>	<u>773.22</u>	<u>609.60</u>	<u>(EPRI) Saturated Sand</u>	<u>(EPRI) Saturated Sand</u>	<u>957.60</u>	<u>957.60</u>
31	<u>Sediments</u>	<u>13.90</u>	<u>20.42</u>	<u>773.22</u>	<u>609.60</u>	<u>(EPRI) Saturated Sand</u>	<u>(EPRI) Saturated Sand</u>	<u>957.60</u>	<u>957.60</u>
32	<u>Sediments</u>	<u>13.90</u>	<u>20.42</u>	<u>773.22</u>	<u>609.60</u>	<u>(EPRI) Saturated Sand</u>	<u>(EPRI) Saturated Sand</u>	<u>957.60</u>	<u>957.60</u>
33	<u>Sediments</u>	<u>18.53</u>	<u>20.42</u>	<u>773.22</u>	<u>609.60</u>	<u>(EPRI) Saturated Sand</u>	<u>(EPRI) Saturated Sand</u>	<u>957.60</u>	<u>957.60</u>
34	<u>Sediments</u>	<u>13.90</u>	<u>20.42</u>	<u>1,208.16</u>	<u>762.00</u>	<u>(EPRI) Saturated Sand</u>	<u>(EPRI) Saturated Sand</u>	<u>957.60</u>	<u>957.60</u>
35	<u>Sediments</u>	<u>17.68</u>	<u>20.42</u>	<u>1,208.16</u>	<u>762.00</u>	<u>(EPRI) Saturated Sand</u>	<u>(EPRI) Saturated Sand</u>	<u>957.60</u>	<u>957.60</u>
36	<u>Sediments</u>	<u>9.45</u>	<u>20.42</u>	<u>1,208.16</u>	<u>762.00</u>	<u>(EPRI) Saturated Sand</u>	<u>(EPRI) Saturated Sand</u>	<u>957.60</u>	<u>957.60</u>
37	<u>Linear Rock</u>	<u>9.94</u>	<u>21.52</u>	<u>3,763.17</u>	<u>1,310.03</u>	<u>Linear</u>	<u>Linear</u>		<u>0.75</u>
38	<u>Linear Rock</u>	<u>9.94</u>	<u>21.52</u>	<u>3,763.17</u>	<u>1,310.03</u>	<u>Linear</u>	<u>Linear</u>		<u>0.75</u>
39	<u>Linear Rock</u>	<u>9.94</u>	<u>21.52</u>	<u>3,763.17</u>	<u>1,310.03</u>	<u>Linear</u>	<u>Linear</u>		<u>0.75</u>
40	<u>Linear Rock</u>	<u>9.94</u>	<u>21.52</u>	<u>3,763.17</u>	<u>1,310.03</u>	<u>Linear</u>	<u>Linear</u>		<u>0.75</u>
41	<u>Linear Rock</u>	<u>9.94</u>	<u>21.52</u>	<u>3,763.17</u>	<u>1,310.03</u>	<u>Linear</u>	<u>Linear</u>		<u>0.75</u>
42	<u>Linear Rock</u>	<u>9.94</u>	<u>21.52</u>	<u>3,763.17</u>	<u>1,310.03</u>	<u>Linear</u>	<u>Linear</u>		<u>0.75</u>
43	<u>Linear Rock</u>	<u>9.94</u>	<u>21.52</u>	<u>3,763.17</u>	<u>1,310.03</u>	<u>Linear</u>	<u>Linear</u>		<u>0.75</u>
44	<u>Linear Rock</u>	<u>9.94</u>	<u>21.52</u>	<u>3,763.17</u>	<u>1,310.03</u>	<u>Linear</u>	<u>Linear</u>		<u>0.75</u>
45	<u>Linear Rock</u>	<u>9.94</u>	<u>21.52</u>	<u>3,763.17</u>	<u>1,310.03</u>	<u>Linear</u>	<u>Linear</u>		<u>0.75</u>
46	<u>Linear Rock</u>	<u>9.94</u>	<u>21.52</u>	<u>3,763.17</u>	<u>1,310.03</u>	<u>Linear</u>	<u>Linear</u>		<u>0.75</u>
47	<u>Linear Rock</u>	<u>9.94</u>	<u>21.52</u>	<u>3,763.17</u>	<u>1,310.03</u>	<u>Linear</u>	<u>Linear</u>		<u>0.75</u>
48	<u>Linear Rock</u>	<u>9.94</u>	<u>21.52</u>	<u>3,763.17</u>	<u>1,310.03</u>	<u>Linear</u>	<u>Linear</u>		<u>0.75</u>
49	<u>Linear Rock</u>	<u>9.94</u>	<u>21.52</u>	<u>3,763.17</u>	<u>1,310.03</u>	<u>Linear</u>	<u>Linear</u>		<u>0.75</u>
50	<u>Linear Rock</u>	<u>9.94</u>	<u>21.52</u>	<u>3,763.17</u>	<u>1,310.03</u>	<u>Linear</u>	<u>Linear</u>		<u>0.75</u>
51	<u>Linear Rock</u>	<u>9.94</u>	<u>21.52</u>	<u>3,763.17</u>	<u>1,310.03</u>	<u>Linear</u>	<u>Linear</u>		<u>0.75</u>
52	<u>Linear Rock</u>	<u>9.94</u>	<u>21.52</u>	<u>8,344.13</u>	<u>1,950.72</u>	<u>Linear</u>	<u>Linear</u>		<u>0.50</u>
53	<u>Linear Rock</u>	<u>9.94</u>	<u>21.52</u>	<u>8,344.13</u>	<u>1,950.72</u>	<u>Linear</u>	<u>Linear</u>		<u>0.50</u>
54	<u>Linear Rock</u>	<u>9.94</u>	<u>21.52</u>	<u>8,344.13</u>	<u>1,950.72</u>	<u>Linear</u>	<u>Linear</u>		<u>0.50</u>
55	<u>Linear Rock</u>	<u>9.94</u>	<u>21.52</u>	<u>8,344.13</u>	<u>1,950.72</u>	<u>Linear</u>	<u>Linear</u>		<u>0.50</u>
56	<u>Linear Rock</u>	<u>9.94</u>	<u>21.52</u>	<u>8,344.13</u>	<u>1,950.72</u>	<u>Linear</u>	<u>Linear</u>		<u>0.50</u>
57	<u>Linear Rock</u>	<u>9.94</u>	<u>21.52</u>	<u>8,344.13</u>	<u>1,950.72</u>	<u>Linear</u>	<u>Linear</u>		<u>0.50</u>
58	<u>Linear Rock</u>	<u>9.94</u>	<u>21.52</u>	<u>8,344.13</u>	<u>1,950.72</u>	<u>Linear</u>	<u>Linear</u>		<u>0.50</u>
59	<u>Linear Rock</u>	<u>9.94</u>	<u>21.52</u>	<u>8,344.13</u>	<u>1,950.72</u>	<u>Linear</u>	<u>Linear</u>		<u>0.50</u>
60	<u>Linear Rock</u>	<u>9.94</u>	<u>21.52</u>	<u>8,344.13</u>	<u>1,950.72</u>	<u>Linear</u>	<u>Linear</u>		<u>0.50</u>
61	<u>Linear Rock</u>	<u>9.94</u>	<u>21.52</u>	<u>8,344.13</u>	<u>1,950.72</u>	<u>Linear</u>	<u>Linear</u>		<u>0.50</u>
62	<u>Linear Rock</u>	<u>9.94</u>	<u>21.52</u>	<u>8,344.13</u>	<u>1,950.72</u>	<u>Linear</u>	<u>Linear</u>		<u>0.50</u>
63	<u>Linear Rock</u>	<u>9.94</u>	<u>21.52</u>	<u>8,344.13</u>	<u>1,950.72</u>	<u>Linear</u>	<u>Linear</u>		<u>0.50</u>
64	<u>Linear Rock</u>	<u>9.94</u>	<u>21.52</u>	<u>8,344.13</u>	<u>1,950.72</u>	<u>Linear</u>	<u>Linear</u>		<u>0.50</u>
65	<u>Linear Rock</u>	<u>9.94</u>	<u>21.52</u>	<u>8,344.13</u>	<u>1,950.72</u>	<u>Linear</u>	<u>Linear</u>		<u>0.50</u>
66	<u>Linear Rock</u>	<u>9.94</u>	<u>21.52</u>	<u>8,344.13</u>	<u>1,950.72</u>	<u>Linear</u>	<u>Linear</u>		<u>0.50</u>
67	<u>Linear Rock</u>	<u>9.94</u>	<u>21.52</u>	<u>8,344.13</u>	<u>1,950.72</u>	<u>Linear</u>	<u>Linear</u>		<u>0.50</u>
68	<u>Linear Rock</u>	<u>9.94</u>	<u>21.52</u>	<u>8,344.13</u>	<u>1,950.72</u>	<u>Linear</u>	<u>Linear</u>		<u>0.50</u>

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[illegible]

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<u>264</u>	<u>Rock below 1.5 km</u>	<u>26.20</u>	<u>27.02</u>	<u>31.625.59</u>	<u>3.389.38</u>	<u>Linear</u>	<u>Linear</u>	<u>0.08</u>
<u>265</u>	<u>Rock below 1.5 km</u>	<u>26.20</u>	<u>27.02</u>	<u>31.625.59</u>	<u>3.389.38</u>	<u>Linear</u>	<u>Linear</u>	<u>0.08</u>
<u>266</u>	<u>Rock below 1.5 km</u>	<u>26.20</u>	<u>27.02</u>	<u>31.625.59</u>	<u>3.389.38</u>	<u>Linear</u>	<u>Linear</u>	<u>0.08</u>
<u>267</u>	<u>Rock below 1.5 km</u>	<u>26.20</u>	<u>27.02</u>	<u>31.625.59</u>	<u>3.389.38</u>	<u>Linear</u>	<u>Linear</u>	<u>0.08</u>
<u>268</u>	<u>Rock below 1.5 km</u>	<u>26.20</u>	<u>27.02</u>	<u>31.625.59</u>	<u>3.389.38</u>	<u>Linear</u>	<u>Linear</u>	<u>0.08</u>
<u>269</u>	<u>Rock below 1.5 km</u>	<u>26.20</u>	<u>27.02</u>	<u>31.625.59</u>	<u>3.389.38</u>	<u>Linear</u>	<u>Linear</u>	<u>0.08</u>
<u>270</u>	<u>Rock below 1.5 km</u>	<u>26.20</u>	<u>27.02</u>	<u>31.625.59</u>	<u>3.389.38</u>	<u>Linear</u>	<u>Linear</u>	<u>0.08</u>
<u>271</u>	<u>Rock below 1.5 km</u>	<u>26.20</u>	<u>27.02</u>	<u>31.625.59</u>	<u>3.389.38</u>	<u>Linear</u>	<u>Linear</u>	<u>0.08</u>
<u>272</u>	<u>Infinite Half-Space</u>	<u>0.00</u>	<u>27.02</u>	<u>31.625.59</u>	<u>3.389.38</u>	<u>Linear</u>	<u>Linear</u>	<u>0.08</u>

Input Motion

Number of Motions: 5
Number of Iterations: 10
Strain Ratio: 0.60
Tolerance: 5.00%

File Name	No of Acc.	Max. Acc.	Time Step	Cutoff Freq.	No of Fourier	Layer	Outcrop
		(g)	(sec)				
	Values			(Hz)	Terms		
<u>C:\RECORDS\DECONV-1\CAP80XF.EQ</u>	<u>4096</u>	<u>0.415</u>	<u>0.010</u>	<u>25.00</u>	<u>8192</u>	<u>272</u>	<u>Yes</u>
<u>C:\RECORDS\DECONV-1\ERZ80XF.EQ</u>	<u>8192</u>	<u>0.385</u>	<u>0.005</u>	<u>25.00</u>	<u>16384</u>	<u>272</u>	<u>Yes</u>
<u>C:\RECORDS\DECONV-1\IMP80XF.EQ</u>	<u>8192</u>	<u>0.565</u>	<u>0.005</u>	<u>25.00</u>	<u>16384</u>	<u>272</u>	<u>Yes</u>
<u>C:\RECORDS\DECONV-1\SUP80XF.EQ</u>	<u>4096</u>	<u>0.431</u>	<u>0.010</u>	<u>25.00</u>	<u>8192</u>	<u>272</u>	<u>Yes</u>
<u>C:\RECORDS\DECONV-1\UCL80XF.EQ</u>	<u>8192</u>	<u>0.445</u>	<u>0.010</u>	<u>25.00</u>	<u>16384</u>	<u>272</u>	<u>Yes</u>

Output Locations

Layer No	Depth (m)	Outcrop
<u>1</u>	<u>0.00</u>	<u>Yes</u>

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