34-0157 NB-BER

Caltrans

EXPLORATION BORING FIELD LOG

Date 6/24/08 Boring No.

Location _____ Lab No. _____ EA No. 163701 Page 1 of

Dist. _____ Co. _____ Rt. _____ P.M. _____ Br. No. _____ Purpose of Work _____

_____ Ft. Rt. Lt. _____ Line. Sta. _____ Northings. _____ Eastings. _____ Elev. 77.29

Ground Water Data	Date / Time	Water Level	Bot. of Boring

Logged By : R Nashed

Drill Crew : Bob, Cori, Jeff

Drill rig : All terrain CS2000

Hammer Type and Weight : Automatic

Drilling Method : Rotary wash/Coring

Casing :

Hole Completion :

Depth	Sample Interval Tool	Blows / RQD	Sample I.D.	% Rec.	Strength	Graphic Log	Description	Remarks
1							silty sand (SW-SM), with gravel	wet drilling
2							medium dense, brown, sub angular	
3							gravel to 1/4", non-plastic	
4							sandy silt (ML), soft, reddish	
5							brown, fine to medium grained, gravel to 1" non-plastic, weak to no cementation	
		10					sand (SP), medium dense,	Dune Sand
6	1	10					medium grained, yellowish brown	
		12					non-plastic, no cementation	
7								
8								
9								
10							The same as above, but	
	2	15					dense	
11		19						
		22						
12								
13							The same as above, but with	
14							moderate to strong clayey	
15							cementation (clayey sandstone,	
		10					soft, medium grained, yellowish	
16	3	15					gray, intensely weathered,	
		20					moderately fractured)	6 min
17		24/60		43/60				
18	1"						Sandy shale, fine to medium	
19							grained, fissile, yellowish gray to black	
20							intensely weathered, soft,	
		22					moderately fractured	
21	4	37						27 min
		Refusal						
22		36/60		53/60				
23	2"						(Franciscan)	
24							graywake / medium to coarse	
25							grained, massive, yellowish	
26		53/60		60/60			black to brownish black, moderately	
27							hard, intensely weathered, slightly	
28							fractured.	23 min
29	3"							
30								

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34-0157 NB-BSR

Caltrans EXPLORATION BORING FIELD LOG

Date 6/24/08 | Boring No.

Location | Lab No. | EA No. 163701 | Page 2 of 3

Dist. | Co. | Rt. | P.M. | Br. No. | Purpose of Work

Ft. | Rt. Lt. | Line. | Sta. | Northings. | Eastings. | Elev.

Ground Water Data	Date/Time	Water Level	Bot. of Boring

Logged By: R Washed | Drill Crew: Bob, Cori, Jeff

Drill rig: All terrain CS2000 | Hammer Type and Weight: Automatic

Drilling Method: Rotary wash/Coring | Casing: N/A

Hole Completion:

Depth	Sample Interval	Total Blows	RQD	Sample I.D.	% Rec.	Strength	Graphic Log	Description	Remarks
31		32/60			45/60			Melange (Franciscan), v. thickly bedded, medium to coarse grained, dark olive to black, moderately hard to soft, intensely weathered and moderately fractured	
32									12 min
33	4								
34									The last 2 ft v. soft and couldn't be recovered
35									
36		0/60			20/60			The same as above, but friable (looks gravel), coarse grained (composed rock)	
37									
38	5								5 min
39									
40									
41								The same as above	
42		41/60			50/60			Serpentenite, Franciscan, thickly bedded, medium grained, olive, soft, intensely weathered, moderately fractured	5 min
43	6								
44									
45									
46		21/60			45/60			Melange, friable, course grained dark greenish gray, v. soft, intensely weathered (composed)	
47									
48	7								18 min
49									
50									
51		31/60			57/60			Serpentenized Shale (Franciscan) massive, fined grained, greenish black, v. soft, intensely weathered, clac veinlets intensely fractured.	
52									
53	8								18 min
54									
55								Shale, massive, fined grained, black, hard to moderately hard, moderately to intensely weathered calc. veinlets, intensely fractured slightly jointed.	
56		43/60			60/60				Outlier on 6/25/08
57									
58	9								16 min
59									
60		12/48			41/48			The same as above with some spots of Serpentenite	
61									25 min
62								Shale, massive, fissile, fine grained, black soft intensely weathered, intensely fractured	
63	10								
64									
65		34/60			56/60				14 min
66								Shale, massive, fissile, fine grained, black, moderately hard, moderately weathered, intensely fractured, slightly jointed with white clac. spots	
67	11								
68									
69									

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34-0157 NP B5R

Caltrans EXPLORATION BORING FIELD LOG

Date 6/26/03 | Boring No.

Location | Lab No. | EA No. 163701 | Page 3 of 3

Dist. | Co. | Rt. | P.M. | Br. No. | Purpose of Work

Ft., Rt./Lt. | Line, Sta. | Northings. | Eastings. | Elev.

Ground Water Data	Date/Time	Water Level	Bot. of Boring

Logged By : R Nashed | Drill Crew : Bob, Cori, Jeff

Drill rig : All terrain CS 2000 | Hammer Type and Weight : Automatic

Drilling Method : Rotary wash/coring | Casing : N/A

Hole Completion :

Depth	Sample Interval Tool	Blows RQD	Sample I.D.	% Rec.	Strength	Graphic Log	Description			Remarks
70	↓	28/60		5/6a			The same as above, but			
71							dark gray, intensely weathered			
72	12									18 min
73	↑						Shale, massive, fine grained,			
74							dark gray, moderately hard to			
75	↓	37/6		6/6a			hard, intensely weathered,			
76							moderately fractured and			
77							slightly jointed			17 min
78	13									
79	↑									

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