Project No: MCC001901030201
Project: Final Remedial Investigation
Client: AFCEE
Location: Site 24 - Vandenberg AFB
Northing: N/A

Borehole ID: HGL22
Date: 10/24/2002 24-PMW-B
Geologist: M. Jackson 24-MW-BA
Checked By: D. Smith, R.G.
Ground Surface Elevation(ft msl): N/A
Easting: N/A

SUBSURFACE PROFILE					SAMPLE				
Depth	Symbol	Description	USCS	Elevation	Recovery %	Blow Counts	PID (ppm)	Water Level	Remarks
2		***Clayey sand*** Moderate yellow brown, moist, fill	FL						
4		***Poorly graded sand*** Dark yellowish brown to moderate yellowish brown, moist, soft, 100% fine grained with trace silt	SP						
6					100	14/16/19	1.4		
8									
10					50	42/50 for 5"	2.6		
12									
14									
16					80	25/50	13.1	▼	
18									1655 Set temporary well screen at 17'-21' bgs. Pulled back to 16' to expose screen. Boring allowed to recharge overnight.
20					30	50/50 for 2"	11.5		
22									
24		***Sand with clay*** Pale yellowish brown with dark yellowish brown mottling, hard, moist	SC						
26			SP		50	24/50 for 3"	1.5		10/24/02 0720 Collected groundwater samples for VOCS 8260B, TPH 8015M, and Diesel 8015M.
28		***Poorly graded sand*** Pale yellowish brown, very moist, soft, 100% fine grained sand with trace silt							
30					40	15/50 for 1"	3.5		
32									
34									
36					60	46/50 for 3"	2.5		
38									
40					60	38/50/50 for 1"	2.7	▼	

Drilled By: Layne Christensen
Drill Method: Dual Tube Percussion
Drilling Equipment: AP-1000
Sampling Equipment: CA Mod Split Spoon

HydroGeoLogic, Inc.
4600 Northgate Blvd., Suite 207
Sacramento, CA 95834
(916) 614-8770 FAX (916) 614-8775

Boring Diameter: 10"
Total Depth Drilled: 60'
Sheet: 1 of 2

HYDRO GeoLogic INC.

Project No: MCC001901030201
Project: Final Remedial Investigation
Client: AFCEE
Location: Site 24 - Vandenberg AFB
Northing: N/A

Borehole ID: HGL22
Date: 10/24/2002
Geologist: M. Jackson
Checked By: D. Smith, R.G.
Ground Surface Elevation(ft msl): N/A
Easting: N/A

SUBSURFACE PROFILE					SAMPLE				
Depth	Symbol	Description	USCS	Elevation	Recovery %	Blow Counts	PID (ppm)	Water Level	Remarks
		Clayey sand Pale yellowish brown mottled with dark yellowish orange, moist, hard, 55% fine grained sand, 45% clay	SC		60				Set temporary 2" well.
42			SW						
44			SP						1100 Collect groundwater sample (HGL22-GW39).
46		***Gravelly sand*** Pale yellowish brown, very moist, soft, 70% fine grained sand, 30% gravel (1/4")			67	36/50 for 3"	2.0		
48									
50		***Poorly graded sand*** Pale yellowish brown, very moist, soft, 100% fine grained sand			70	40/50 for 4"	2.0		1120 Re-setup over boring.
52									
54		10% dark yellowish orange mottling (iron oxide) @ 50'							
56					60	28/50 for 3"	3.1	▼	1230 Set temporary well at 60'. 1350 Collect groundwater sample at 60' (HGL22-GW60).
58		Pale yellowish brown to dark yellowish orange and saturated @ 55'							
60		***Sand with gravel*** Pale yellowish brown to dark yellowish orange, very moist, medium to coarse grained sand with 20% rounded gravel (red, chert)	SW						
62									
64									
66									Boring abandoned with a 20:1 slurry of cement and bentonite.
68									
70									Permanent monitoring wells 24PMW8 and 24MW8A placed adjacent to this boring.
72									
74									
76									
78									
80									

Drilled By: Layne Christensen
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Boring Diameter: 10"
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Sheet: 2 of 2