

GEOLOGICAL FIELD LOG

UNITED NATIONS

ELEVATION IN FEET	DEPTH IN FEET	COLUMNAR SECTION	DESCRIPTION OF MATERIAL	DRILLING CHARACTERISTICS	CORE RECOVERY
				CM CR P/C RGD P/C	
14.61	0.00		SAND, SILT, CLAY, OH-2, MEDIUM SOFT OVERBURDEN, MODERATE STRENGTH, LOW PLASTICITY, MODERATE DRY STRENGTH, MODERATE WATER CONTENT, SAND, SILT, CLAY, CONTAINS RHIZOMES + GRASS ROOTS AT TOP, MATERIAL DERIVED FROM CANAL EXCAVATIONS + DUMPED HERE, COLOR- MOTTLED MEDIUM BROWN, NOTE/ SPT'S WERE TAKEN WITH A STANDARD 2 INCH SPLIT SPOON + A 14-LB. HAMMER DROPPED 31	FROM 0.0 FT. TO 1.5 FT. STANDARD PENETRATION TEST (SPT) -----FROM 1.5 FT. TO 5.2 FT. STANDARD PENETRATION TEST (SPT) -----FROM 5.2 FT. TO 4.5 FT. STANDARD PENETRATION TEST	1.50
	1.51		SEE NOTE 101		
9.61	5.01		CLAY, SILT, OH-1, SOFT OVERBURDEN, WEAK, HIGH PLASTICITY, HIGH DRY STRENGTH, MODERATE TO HIGH WATER CONTENT, CLAY, SILT, CONTAINS ABUNDANT CARBONACEOUS PLANT DEBRIS, CARBONACEOUS DEBRIS, COLOR- MOTTLED DARK GRAY,	FROM 5.0 FT. TO 6.0 FT. STANDARD PENETRATION TEST (SPT) -----FROM 6.0 FT. TO 7.5 FT. STANDARD PENETRATION TEST (SPT) -----FROM	1.40
	7.51			SEE NOTE 102	1.10
4.61	10.01			2.00 40.0 1.00	0.00
	11.50		CLAY, SILT, SAND, OH-3, MEDIUM HARD OVERBURDEN, TO OH-4, HARD OVERBURDEN, MODERATE STRENGTH, HIGH PLASTICITY, HIGH DRY STRENGTH, MODERATE WATER CONTENT, RESIDUAL, SAPROLITIC,	FROM 10.0 FT. TO 11.5 FT. PUSH DRILLED DRY WITH 4 IN. CASING, -----FROM 11.5 FT. TO 14.0 FT. SHELBY TUBE SAMPLE	1.10
	14.01		CLAY, SILT, SAND, PEBBLES, DERIVED FROM		0.00

ELEVATION		DEPTH				
14.01 TO	9.01	0.00 TO	5.00	SAND,	SILT,	CLAY,
9.00 TO	4.00	5.00 TO	10.00	CLAY,	SILT,	
4.01 TO	-1.91	10.01 TO	15.01	CLAY,	SILT,	SAND,
-1.91 TO	-1.91	15.01 TO	16.51	CLAY,	SILT,	SAND,
-1.50 TO	-16.51	16.51 TO	27.01	TOFF,	AGGLOMERATE,	
-22.01 TO	-27.41	27.01 TO	42.41	AGGLOMERATE,		
-27.41 TO	-33.21	42.41 TO	47.21	AGGLOMERATE,		
-33.21		47.21		BOTTOM OF HOLE		

4. ENGINEERING & GEOLOGICAL FORMATION CONTACTS

ELEVATION		DEPTH				
14.01 TO	9.01	0.00 TO	5.00	FILL		
9.01 TO	4.01	5.01 TO	10.01	PACIFIC MUCK		
4.01 TO	-1.91	10.01 TO	16.51	OVERHUPPEN		
-1.91 TO	-27.41	16.51 TO	42.41	WEATHERED ROCK		
-27.41 TO	-33.21	42.41 TO	47.21	SOUND ROCK		
4.01 TO	-33.21	10.01 TO	47.21	LAS CASCADAS FR.		

6. AMOUNT OF CASING USED

17.0 FT. OF 6" CASING

5. PURPOSE OF HOLE / GEOLOGICAL AND GEOTECHNICAL INVESTIGATION.

8. WATER TABLE

ELEVATION	DEPTH	DATE
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7.90 6.21 03/ 5/99

10. CORE BOX NUMBERS AND DEPTHS

FROM	TO	FROM	TO	FROM	TO	FROM	TO
1) 1.01	33.5	2) 15.5	40.1	3) 20.1	27.0	4) 27.0	32.9
5) 32.9	42.4	7) 42.4	47.2				

14. STANDARD PENETRATION DATA

SPT NO.	DEPTH IN FEET		BLOW COUNT	
	FROM	TO		FEET
1	0.00	1.01	4 BLOWS TO	1.50
			6 BLOWS TO	1.50
			11 BLOWS TO	1.50
2	1.51	3.01	0 BLOWS TO	1.50
			5 BLOWS TO	1.50

3	6.0	7.5	5 BLOWS TO	1.5
			6 BLOWS TO	2.5
			7 BLOWS TO	3.5
			8 BLOWS TO	4.5
4	7.5	9.0		
5	9.0	10.5	9 BLOWS TO	5.5
			10 BLOWS TO	6.5
			11 BLOWS TO	7.5

111. INCHES FOR EACH BLOW.

111. (SPT) -----FROM 4.5 FT. TO 5.5 FT. STANDARD PENETRATION TEST (SPT)

112. 7.5 FT. TO 11.0 FT. Shelby Tube Sample Due to softness of material, no core recovered.

113. COLOR- MOTTLED LIGHT GREY-BROWN

114. TO 15.0 FT. PUSH DRILLED DRY WITH 4 IN. CASING, H.P. 750 PSI. -----FROM 15.0 FT. TO 15.5 FT. DRILLED DRY WITH 4 IN. CASING, H.P. 500 PSI.

115. CLAY, SILT, SAND, OH-3, MEDIUM HARD OVERBURDEN, TO OH-4, HARD OVERBURDEN, MODERATELY STRONG TO STRONG, HIGH PLASTICITY, HIGH DRY STRENGTH, MODERATE WATER CONTENT, RESIDUAL, SAPROLITIC, CLAY, SILT, SAND, DERIVED FROM TUFF, BY NORMAL WEATHERING PROCESSES, COLOR- MOTTLED DARK BROWN-BROWN.

116. FROM 15.5 FT. TO 16.5 FT. PUSH DRILLED DRY WITH 4 IN. CASING, H.P. 750 PSI. -----FROM 16.5 FT. TO 17.5 FT. DRILLED DRY WITH 4 IN. CASING, H.P. 400 PSI.

117. MATERIAL, IN A SANDY TUFFACEOUS MATRIX OF SIMILAR COMPOSITION, ALTERED TO CLAY MINERALS, WEATHERING DECREASES + HARDNESS INCREASES WITH DEPTH. COLOR- MOTTLED DARK BROWNISH GREY, NOTE/ CORE HYDRATES, SWELLS + DISINTEGRATES ON EXPOSURE TO AIR.

178. PT. LIGHTS.-----PSC- 4.28 FT. TO 42.4 FT. AS ABOVE. CORE RECOVERED IN ONE PIECE.