

BORING LOG NO. Core #1

PROJECT: Terrestrial Horizontal Directional Drilling
Route Geotechnical Survey

CLIENT: Oregon State University
Corvallis, OR

SITE: 5400 NW Pacific Coast Highway
Seal Rock, OR

MODEL LAYER	GRAPHIC LOG	LOCATION See Exploration Plan Latitude: 44.4642° Longitude: -124.0802°	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (in.)	FIELD TEST RESULTS	# of Core Pieces
1		0.3 / FILL - ASPHALT , 3-inches thick				18	5-4-5 N=9	
		POORLY GRADED SAND WITH SILT (SP-SM) , trace gravel, fine grained, brown, loose				17	4-4-5 N=9	
		medium dense	5			15	8-4-6 N=10	
		very loose, no longer gravels				18	3-2-1 N=3	
		loose	10			18	4-3-2 N=5	
			15			17	4-4-3 N=7	
			20			17	4-3-2 N=5	
			25			9	2-1-1 N=2	
			30		▽	15	7-17-27 N=44	
			35			15	16-29-43 N=72	
2		20.0 / FAT CLAY (CH) , gray to black, medium stiff				17	4-3-2 N=5	
		20.3 / POORLY GRADED SAND WITH SILT (SP-SM) , fine grained, light brown to tan, very loose						
		POORLY GRADED SAND WITH SILT (SP-SM) , trace gravel, fine grained, light tan, dense				16	41-30-43 N=73	
		very dense	40			17	24-44-40 N=84	
			45					
			50					

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:

See [Exploration and Testing Procedures](#) for a description of field and laboratory procedures used and additional data (if any).

Notes:

Due to heaving sands and tidal changes approximately 55 feet of hollow stem auger was grouted in place.

Abandonment Method:

Exploration was backfilled with grout and capped with concrete at the completion of drilling activities.

See [Supporting Information](#) for explanation of symbols and abbreviations.

Elevations were not determined.

WATER LEVEL OBSERVATIONS

▽ While drilling



Boring Started: 10-18-2019

Boring Completed: 10-23-2019

Drill Rig: D-90 Track

Driller: Terracon - Lodi

Project No.: 82195049

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL_ 82195049 TECHNICAL SERVICE.GPJ TERRACON_DATATEMPLATE.GDT 1/17/19

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2		POORLY GRADED SAND WITH SILT (SP-SM) , trace gravel, fine grained, light tan, dense <i>(continued)</i>	55.0		X	17	23-28-34 N=62	
3		SILTSTONE , gray to black, fine-grained, extremely fractured, laminated bedding, unweathered, extremely weak slightly fractured	55		X	4	50/5"	
		sound	60			30	RQD = 0%	0
		slightly fractured	65			30	RQD = 80%	4
		gray, sound	70			60	RQD = 86%	7
		moderately fractured, medium bedding, very weak, greater definition through fracture planes, increase in rigidity, structure more defined	75			60	RQD = 91%	9
		laminated bedding, poor recovery	80			60	RQD = 98%	6
		slightly fractured	85			60	RQD = 99%	5
		sound	90			19	RQD = 0%	7
		slightly fractured	95			25	RQD = 75%	16
		sound	100			60	RQD = 80%	9
		slightly fractured	100			60	RQD = 100%	4

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

<p>Advancement Method:</p> <p>Abandonment Method: Exploration was backfilled with grout and capped with concrete at the completion of drilling activities.</p>	<p>See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).</p> <p>See Supporting Information for explanation of symbols and abbreviations.</p> <p>Elevations were not determined.</p>	<p>Notes:</p>
<p>WATER LEVEL OBSERVATIONS</p> <p><input checked="" type="checkbox"/> While drilling</p>	<p>700 NE 55th Ave Portland, OR</p>	<p>Boring Started: 10-18-2019</p> <p>Drill Rig: D-90 Track</p> <p>Project No.: 82195049</p>
		<p>Boring Completed: 10-23-2019</p> <p>Driller: Terracon - Lodi</p>

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