

SEACOR ENVIRONMENTAL INC.

SEACOR JOB NO: 201.10015

CLIENT:
PROJECT: Fullerton Esso
1801 Capilano Road
North Vancouver, B.C.

BOREHOLE LOG

BOREHOLE NO: BH6
ELEVATION: 98.460

DEPTH (m)	SAMPLE TYPE	SOIL TYPE	SOIL DESCRIPTION	TEST DATA				WELL COMPLETION	WATER LEVEL	FIELD NOTES	DEPTH (m)
				HYDROCARBON VAPOUR LEVEL (ppmv)							
				10	100	1000	10000				
1.0		ASPHALT									
1.0		SAND	Fine grained sand, trace fine to coarse grained sub-rounded gravel, brown, damp - organics (roots) at 0.76 m		110						threaded cap, stick-up pipe, concrete, silica sand bentonite seal
2.0		SAND and GRAVEL	Fine to medium sand, fine to coarse sub-angular gravel, brown, damp	30	190						
3.0		SAND	Fine sand, brown, damp								silica sand
4.0		SAND and GRAVEL	Fine to medium sand, fine to coarse sub-rounded gravel, occasional cobbles, brown, damp		445						
4.0		GRAVEL and COBBLES	Fine to coarse sub-rounded gravel, sub-rounded cobbles		550						50 mm solid PVC pipe
5.0		SAND and GRAVEL	Fine to medium sand, fine to coarse sub-rounded gravel, frequent cobbles, grey, damp - cobbles from 4.9 m to 5.5 m	40	880						
6.0											slough
7.0					420						
8.0					550						
8.0						2200					
9.0						2090					
10.0						1100					bentonite seal
11.0						1650					
11.0			- moist at 11.3 m		880						10.74 m (May 30, 2001)
12.0		GRAVEL and COBBLES	Fine to coarse sub-rounded gravel, sub-rounded cobbles, trace sand grey, wet		550						50 mm 010 slot PVC pipe packed in silica sand
13.0		COBBLES	Sub-rounded								
14.0		GRAVEL and COBBLES	Fine to coarse sub-rounded gravel, sub-rounded cobbles, some fine to coarse sand, grey, wet		550						
14.0		COBBLES	Sub-rounded								
			End of borehole = 14.63 m Screened interval = 10.06 m to 14.63 m Elevation at top of piezometer (T.O.P.) = 99.28 m Depth to groundwater from T.O.P. = 11.56 m (05/30/01)								

DRILLING METHOD: Sonic; Continuous Core - log by cm

DATE DRILLED: 2/21/01

Notes:  SONIC CORE SAMPLE

TABLE 6: HYDRAULIC CONDUCTIVITY VALUES Fullerton Esso		
Monitoring Well	Saturated Screen Length Stratigraphy	Hydraulic Conductivity (m/s)
BH6	Gravel and Cobbles / Cobbles	$>3.8 \times 10^{-3}$
BH7	Gravel and Cobbles / Sand and Gravel / Cobbles	2.8×10^{-3}
BH10D	Sand and Gravel	3.1×10^{-3}
	geometric mean	3.2×10^{-3}

Notes:

m/s - metres per second