

CHILKOOT GEOLOGICAL ENGINEERS LTD.

5B Bennett Road, Whitehorse, Yukon
(867) 335-2085 chilkoot@northwestel.net



BOREHOLE LOG

Client : Teslin Tlingit Council
Location : Sawmill Land Treatment Facility
Project : Hydrological Assessment - Well Installations
Chilkoot Project No. : 200-002-14

Date Drilled: May 25, 2014
Elevation : 101.87 meters
Depth of BH: 12.19 meters
Instrumentation: Well to 91.06 m

BOREHOLE

1-14

Sheet 1 of 2

Elev. (m)	Depth		Stratigraphic Description	Relative Density	Relative Moisture	Field Sample					Laboratory Results (%)				USCS/NRC Depth (m)	Symbol	Elev. (m)
	ft	m				Type	Number	Temperature (degrees C)	Recovery %	Penetration (kg/cm²)	SPT N	▲ - FINES	● - SAND	■ - GRAVEL			
101.87	0.0	0.0	ORGANICS - rootlets and organic silt, black		Moist	1	NA	NA	NA	NA	2.5	14.2	20	37.4	20.1	ORG	101.87
101.5	0.5	0.5	SILTY SAND with some rootlets - poorly graded, fine grained, brown		Moist											SM	101.5
101.17	1.0	1.0	SILTY CLAY - low plasticity, odd silty sand inclusions in size to 10 mm, grey-brown - as above		Damp	2	NA	NA	1.5	NA							101.17
100.87	1.5	1.5	- as above		Damp												100.87
100.7	2.0	2.0	- as above		Damp	3	NA	NA	0.5	NA							100.7
100.0	2.5	2.5	CLAY some SILT - low to medium plasticity, grey		Moist	4	NA	NA	0.5	NA							100.0
99.57	3.0	3.0	- as above		Moist												99.57
99.5	3.5	3.5	- as above		Moist	5	NA	NA	1.25	NA							99.5
99.0	4.0	4.0	- as above		Moist												99.0
98.77	4.5	4.5	- as above		Moist	6	NA	NA	0.5	NA							98.77
98.5	5.0	5.0	- as above		Moist												98.5
98.27	5.5	5.5	- as above		Moist	7	NA	NA	0.0	NA							98.27
98.0	6.0	6.0	- as above		Moist												98.0
97.8	6.5	6.5	- as above		Moist	8	NA	NA	0.0	NA							97.8
97.5	7.0	7.0	- as above		Moist												97.5
97.3	7.5	7.5	- as above		Moist	9	NA	NA	0.0	NA							97.3
97.0	8.0	8.0	CLAYEY SILT some SAND trace GRAVEL - non-plastic, blue-grey - possible seepage zone (Hydrometer and Limit Analysis)		Wet												97.0
96.5	8.5	8.5	- as above		Wet												96.5
96.38	9.0	9.0	- as above		Wet												96.38
96.0	9.5	9.5	- as above		Wet												96.0
95.77	10.0	10.0	- as above		Wet												95.77
95.5	10.5	10.5	- as above		Wet												95.5
95.16	11.0	11.0	- as above		Wet												95.16
95.0	11.5	11.5	- as above		Wet												95.0

Drilled By : Donjek Services

Drill Type : CME 750 (FN60)

Drill Method : 150 mm Solid Stem

Bit Type : Fish Tail

Water Level(s)

During Drilling After Drilling
 At End of Drilling

Logged By : T.Dhara, P.Eng.

Data Entry By : T.Dhara, P.Eng.

Reviewed By: *TD*

Date : May 25, 2014

Date : June 3-6, 2014

Date : June 11, 2014

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	ft	m			Number	Temperature (degrees C)	Recovery %	Pre-saturated (kg/cm ²)	SPT N	▲ - FINES	● - SAND	■ - GRAVELL	PI				MC
94.5	24.0	7.5	(Hydrocarbon Analysis) TILL - SANDY GRAVELLY SILT - poorly graded, fine to medium grained, grey	X	10	NA	NA	NA	NA	NA	3.4	20	40	60	80		94.5
94.0	26.0	8.0	- as above	X	11	NA	NA	NA	NA	NA	5.2	19.3	33.2	47.1			94.0
93.5	28.0	8.5	- as above but with odd fractured rock in size to 35 mm and odd cobble in size to 100 mm	X	12	NA	NA	NA	NA	NA	9.7						93.5
93.0	29.0	9.0	TILL - SILTY GRAVELLY SAND - poorly graded, fine to medium grained, grey	X	13	NA	NA	NA	NA	NA	7.7						9.0
92.5	31.0	9.5															92.5
92.0	32.0	10.0	- as above	X	14	NA	NA	NA	NA	NA	8.3	23.5	35.2	41.3			92.0
91.5	34.0	10.5	End of Borehole No groundwater encountered during drilling. Groundwater noted May 26, 2014 at 93.03 Borehole terminated at 12.19 m. below the existing ground surface.	X													10.0
91.0	36.0	11.0															91.0
90.5	37.0	11.5															90.5
90.0	39.0	12.0															90.0
89.5		12.19															89.5

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