

PROJECT: 2012 City of Whitehorse Groundwater Exploration				CLIENT: City of Whitehorse				TESTHOLE NO: TH03-12			
LOCATION: FH Collins N 6,730,383 E 497,878								PROJECT NO.: 60274244			
CONTRACTOR: Boart-Longyear				METHOD: Sonic Drilling				ELEVATION (m): 643			
SAMPLE TYPE		<input checked="" type="checkbox"/> GRAB	<input type="checkbox"/> SHELBY TUBE	<input checked="" type="checkbox"/> SPLIT SPOON	<input type="checkbox"/> BULK	<input checked="" type="checkbox"/> NO RECOVERY	<input type="checkbox"/> CORE				
DEPTH (m)	SOIL SYMBOL	SOIL DESCRIPTION				SAMPLE TYPE	SAMPLE #	% RECOVERY	COMMENTS	ELEVATION (m)	
0		TOPSOIL, organic layer with rootles, silty sand loam. Light brown, underlain by dry sandy gravel fill material.					S1	100		642	
1		Coarse SAND, trace silt.					S2	0		Poor recovery, sample washed out of core barrel.	641
2		- Becoming wet at 3.2 m.								640	
3		Coarse SAND and GRAVEL, light grey, wet.					S3	80	Some fines present, likely washed from previous sample.	639	
4		- Increased gravel and cobble content at 4.8 m.								638	
5		Fine SAND, light brown, angular to sub-angular, moist.								637	
6		Sandy SILT, light grey. No visible laminations or bedding structures.					S4	100		636	
7										635	
8							S5	100		634	
9										633	
10							S6	100		632	
11										631	
12							S7	20		630	
13										629	
14							S8	20		628	
15										627	
16		Sandy GRAVEL, wet.					S9	20		626	
17										625	
18		Fine SAND, trace silt and gravel clasts from 19.2 m to 2.4 m, resembles Ice Contact complex.					S10	100		624	
19		- Becoming fine SAND with GRAVEL at 20.4 m, Ice Contact complex.					S11	0	No recovery, casing advancing quickly with vibrate. Cobbles present.	623	
20							S12	100		622	
21										621	
22							S13	100		620	
23										619	
24							S14	20	V. poor recovery, coarse material.	618	
25										617	
26		GRAVEL with some SAND, trace cobbles. Saturated, light grey to brown.					S15	90		616	
27										615	
28							S16	100		614	
29										613	
30										612	
31										611	
32		TILL, very hard, dry, compact.								610	
33		- TILL, some boulders and large cobbles present. Basalt pieces. Very hard.								609	
34							S17	100	Drillers note rock/boulder at 120 ft.	608	
35										607	
36										606	
37							S18	100		605	
38										604	
39											
40											

AECOM Canada Ltd.

2251 2<sup>nd</sup> Avenue

Whitehorse, Yukon Y1A 7A2

LOGGED BY: Caleb Light

REVIEWED BY: Forest Pearson

PROJECT ENGINEER: Forest Pearson

COMPLETION DEPTH: 47.24 m

COMPLETION DATE: 24/8/12

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COMPLETION DEPTH: 47.24 m

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ENVIRO (VAPOUR/F2/F3) BH-2012-09-27-CITY OF WHSE GW EXPLORATION GINT LOGS CL-60274244 GPJ AECOM BBY GDT 19/11/12

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DEPTH (m)	SOIL SYMBOL	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE #	% RECOVERY	COMMENTS	ELEVATION (m)
40		- TILL, becoming loose at 43.2 m.					602
41				S19	100	Good recovery, v. hard to advance casing into test hole.	601
42							600
43							599
44		- Basalt boulder		S20	100		598
45		TILL, very hard, dry, light grey.					597
46				S21	100	Pilot hole for sample collection only.	596
47		MILES CANYON BASALT.				No monitoring well installed.	595
48		Hole terminated at 47.24 m in bedrock.				END OF HOLE, refusal of casing on basalt rock.	594
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