

BOREHOLE LOG	PROJECT: 40-680	BOREHOLE: TH3-04 1 of 2
2004 Groundwater Exploration Program - Test Well Construction Riverdale, Whitehorse, Yukon FOR: City of Whitehorse		DATE: 21 September 2004 LOGGED BY JK GROUND ELEV 639.93 m ASL

DEPTH (m)	STRATIGRAPHY	STRATIGRAPHIC DESCRIPTION	MONITOR DETAILS & NUMBER	WATER LEVEL	SAMPLE				COMMENTS
					NUMBER	INTERVAL	TYPE	% Rec	
1.0	1	TOPSOIL Brown fine to medium organic sand, rootlets, moist.			A		CS	80	Casing stick up above grade: 0.85 m
2.1	2	GRAVEL Tan silty gravel, trace cobbles, dry.		▽	B		CS	80	
3		SANDY GRAVEL (Glaciofluvial) Brown coarse sandy gravel with silt, occasional to numerous cobbles, wet.							Static water level measured from Top of Casing at 2.86 m on October 18, 2004.
4									
5					C		CS	50	
6									
7									
8					D		CS	40	
9									
10		-Numerous cobbles with increased gravel content below about 9.5 m.							
10.7									
11		SAND (Glaciofluvial) Grey medium sand interbedded with medium to coarse sand (gradational), trace to some pea gravel, wet. Locally interbedded with gravelly till.			E		CS	70	
12									Sieve Analysis at 23.62 m Gravel 8%, Sand 90 % (20 % Coarse, 46 % Medium, 20 % Fine), <2% fines
13									
14					F		CS	100	
15									
16									
17					G		CS	100	
18									
19									
20					H		CS	100	
21									
22									
23		-Becoming interbedded medium to coarse sand with local fine sand below about 22.9 m.			I		CS	100	
24									
25									
26					J		CS	100	
27									
28									
29.0	29	SANDY GRAVEL (Ice Contact Complex)			K		CS	100	

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DEPTH (m)	STRATIGRAPHY	STRATIGRAPHIC DESCRIPTION	MONITOR DETAILS & NUMBER	WATER LEVEL	SAMPLE				COMMENTS
					NUMBER	INTERVAL	TYPE	% Rec	
31		Dark grey silty sandy gravel, occasional cobbles, wet. Interbedded with fine and medium sand to about 33.4 m.							
32					L		CS	100	
33.4									
34		-Becoming silty medium to coarse sand, trace to some pebble gravel below about 33.4 m.							
35					M		CS	100	
36									
37									
38					N		CS	100	
39									
40									
41					O		CS	100	
42									
43									
43.5									
44		SILT TILL Olive grey to grey clayey silt till, trace to some angular gravel and cobbles.			P		CS	100	
45									
46									
47					Q		CS	100	
48									
49									
50									
50.6		Borehole terminated at 50.60 m. Refusal on basalt bedrock.			R		CS	100	

Sieve Analysis at 35.81 m
Gravel 12 %, Sand 87 % (22 %
Coarse, 48 % Medium, 18 % Fine), < 1% fines
Sieve Analysis at 37.34 m
Gravel 36 %, Sand 74 % (28 %
Coarse, 27 % Medium, 9 % Fine)
Screened Interval: 37.24 - 40.39 m.
Screen Type: 20 Slot Stainless Steel

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