

PROJECT: WW4N Construction and Testing	CLIENT: City of Whitehorse	TESTHOLE NO: WW4N
LOCATION: Whitehorse, YT 497925 N , 6730109 E		PROJECT NO.: 60187923
CONTRACTOR: Ensign Coring & Drilling Inc.	METHOD: Air Rotary, Schramm T450W, 1997	ELEVATION (m): 637.36
SAMPLE TYPE <input checked="" type="checkbox"/> GRAB <input type="checkbox"/> SHELBY TUBE <input type="checkbox"/> SPLIT SPOON <input type="checkbox"/> BULK <input type="checkbox"/> NO RECOVERY <input type="checkbox"/> CORE		
BACKFILL TYPE <input checked="" type="checkbox"/> BENTONITE <input type="checkbox"/> GRAVEL <input type="checkbox"/> SLOUGH <input type="checkbox"/> GROUT <input type="checkbox"/> CUTTINGS <input type="checkbox"/> SAND		

DEPTH (m)	SOIL SYMBOL	SOIL DESCRIPTION	WELL INSTALLATION	COMMENTS	ELEVATION (m)
0		SAND Light brown, subangular to subrounded, fine-grained, some medium to coarse grains, subangular to subrounded, trace silt and organics.		Outer casing still in the ground Extend to a depth of 6.09m bgs Scheduled to be removed during the summer 2011	637
1		SAND and GRAVEL Light grey, subangular to subrounded, medium to coarse sand with a trace of silt.			636
2		-Abundant boulders and cobbles. -Clasts supported			635
3					634
4					633
5					632
6					631
7				Depth to groundwater: 6.18 m below ground surface (6/12/2010)	630
8					629
9					628
10					627
11		GRAVEL, Sandy Dark grey, subangular, medium to coarse sand, fine gravel with a trace of silt.		Significant water encountered, discharging from the cyclone.	626
12					625
13					624
14					623
15		Lenses of silt, subrounded, gravel size.			622
16					621
17					620
18				Rig shaking likely due to grinding of large boulders. Water discharge at approximately 15 USGPM.	619
19				Water discharge from cyclone at approximately 25-30 USGPM.	618
20				Water discharge from cyclone at approximately 60 USGPM.	617
21					616
22					615
23		SAND, Gravelly Dark grey, angular to subangular, coarse sand, fine to coarse gravel.		Water discharge from cyclone at approximately 75 USGPM.	614
24		GRAVEL, Sandy Dark grey to olive grey, subangular, medium to coarse sand, fine to coarse gravel with a trace of silt.			613
25					613

ENVIRONMENTAL (VAPOUR ONLY) WW4N.GPJ UMA.GDT 11/24/11



LOGGED BY: Brett Hannigan	COMPLETION DEPTH: 36.73 m
REVIEWED BY: Forest Pearson	COMPLETION DATE: 12/1/10
PROJECT ENGINEER: Marc Lavigne	Page 1 of 2

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DEPTH (m)	SOIL SYMBOL	SOIL DESCRIPTION	WELL INSTALLATION	COMMENTS	ELEVATION (m)
25				Water discharge from cyclone at approximately 100 USGPM.	612
26					611
27					610
28		SAND, Gravelly Dark grey to olive grey, subangular, medium to coarse sand, fine to medium gravel with a trace of silt.			609
29					608
30					607
31		GRAVEL, Sandy Dark grey to olive grey, subangular to subrounded, medium to coarse sand, fine to medium gravel.		Water discharge from cyclone at approximately 95 USGPM.	606
32		SAND, Gravelly Dark grey to olive grey, subangular to subrounded, medium to coarse sand, fine to medium gravel with a trace of silt.			605
33		GRAVEL, Sandy Dark grey to greenish grey, subangular to subrounded, fine to coarse sand, fine to medium gravel with a trace of silt.			604
34					603
35					602
36				Gravel clasts of Miles Canyon Basalt.	601
37		Drilling terminated at 37.03 m. Refusal at till.		Well Casing Information: ID: 0.381m (15 in) OD: 0.406m (16 in)	600
38				Screen Information: Depth: 36.65m below ground surface ID: 0.338m (13.3 in) OD: 0.357m (14 in) Opening: 200-Slot (5.08mm) V-wire screen Screen Length: 9.57m Total Screen Assembly Length: 10.44m - includes 0.87m of riser pipe Screen exposed to the formation (Selkirk Aquifer)	599
39					598
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47					590
48					589
49					588
50					588

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AECOM

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