

# HYDROGEOLOGIC LOG

BOREHOLE NO.

TW06-01

PURPOSE OF HOLE: Water Supply Well  
 DRILLING METHOD: Air Rotary  
 DRILLING DATE: September 12-15, 2006  
 CONTRACTOR: [REDACTED]

GROUND ELEV.: 755 m-geod (approx.)  
 CASING STICK UP: 1.0 m  
 DEPTH TO STATIC: 15.480 m-bgl.  
 LOCATION: Drumlin Crescent

Depth (m)	Lithology	Comments	Well Installation Summary
0m			Circle Plate - lockable
0m - 5.4m	SILT & SAND - some gravel, fine to med. sand, moist, grey.		10" (254 mm) bentonite surface seal
5.4m - 7.62m	SAND - some silt, fine to med. grained sand, moist, grey		6.1 m
7.62m - 10.6m	SAND & GRAVEL - silty, fine to med. grained sand, moist, grey		6 5/8" (168 mm) O.D. Steel Casing
10.6m - 17.6m	GRAVEL - some silt, med. to coarse grained, rounded, moist, brown		
17.6m - 34.1m	BEDROCK (BASALT) - soft, incompetent	Static Water Level = 15.4 mbgl (October 18, 2006)	
34.1m - 50.5m	BEDROCK (BASALT) - competent		6 5/8" (168 mm) O.D. Steel Casing @ 36.6 m
50.5m - 51.8m	BEDROCK (BASALT) - soft, incompetent	UNSTABLE FRACTURE ZONE 50.5 m - 54.9 m-bgl.	
51.8m - 52.4m	BEDROCK (BASALT) - soft, competent		
52.4m - 54.9m	BEDROCK (BASALT) - soft, incompetent		
54.9m - 60m	END OF HOLE		DRILLED OPEN HOLE 6" (152 mm)

O:\Whitehorse\0201drawings\Whitehorse\1260000\1260009\Wise Copper Sub Water Supply\1260009 Figure 3\_7REV.1.dwg [FIG 3] December 19, 2006 - 3:11pm [buck]

**WHITEHORSE COPPER SUBDIVISION HYDROGEOLOGICAL ASSESSMENT FOR WATER SUPPLY-WHITEHORSE, YT.**

**WELL LOG TW06-01**

[REDACTED]

REV  
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DATE  
December 20, 2006

**Figure 3**