



Borehole No: MW20-04

Project: Geotechnical Site Evaluation

Project No: [REDACTED]

Location: Beaver Creek Sewage Lagoon

Ground Elev: 639.4 m

Beaver Creek, Yukon

UTM: 508246 E; 6921203 N; Z 7 WGS84

Depth (m)	Method	Soil Description	Ground Ice Description	Sample Type	Sample Number	Moisture Content (%)	Elevation (m)
0						Plastic Limit: 20 Moisture Content: 40 Liquid Limit: 80	
0 - 1		SILT - gravelly, traces of sand and organics, gravel subrounded, to 25 mm diameter, moist, brown.	Unfrozen		SA07	3.9	639
1 - 2		GRAVEL - sandy, trace of silt, sand is fine to coarse, gravel subrounded, to 75 mm diameter, damp, grey-brown.					638
2		- drilled through cobble or boulder at 1.8 m					
2 - 3		GRAVEL and SAND - some silt, sand is fine, gravel subrounded, to 75 mm diameter, moist, grey-brown, till-like texture.			SA08	5.6	637
3 - 4		- poor recovery in sonic core between about 3.1 and 4.6 m, sample is disturbed and washed by water used to install casing	Probable permafrost (Nf, dry) at depth, no visible evidence of ground ice or permafrost observed in sonic core				636
4 - 5		GRAVEL - some sand to sandy, trace of silt, sand is fine to coarse, gravel subrounded, to 100 mm diameter, dry to damp, grey-brown.					635
5 - 6	Sonic	- sandy GRAVEL below 6.1 m			SA09	2.5	634
6 - 7							633
7 - 8							632
8 - 9					SA10	1.8	631
9 - 10		- very low recovery below 9.1 m, core barrel plugged with cobble, no sample collected					630
10							629
11							628
12		END of BOREHOLE at 12.2 m (Target Depth).					627
13		50 mm diameter PVC monitoring well installed to bottom of borehole.					626
14							625
15							624
16							623
17							622
18							621
19							620
20							



Contractor: Midnight Sun Drilling Inc.

Completion Depth: 12.2 m

Drilling Rig Type: TerraSonic CC150

Start Date: May 28, 2020

Logged By: [REDACTED]

Completion Date: May 28, 2020

Reviewed By: [REDACTED]

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