



# Borehole No: MW20-02

Project: Geotechnical Site Evaluation

Project No: [REDACTED]

Location: Beaver Creek Sewage Lagoon

Ground Elev: 639.6 m

Beaver Creek, Yukon

UTM: 508148 E; 6921209 N; Z 7 WGS84

Depth (m)	Method	Soil Description	Ground Ice Description	Sample Type	Sample Number	Moisture Content (%)	Plastic Limit	Moisture Content	Liquid Limit	Elevation (m)
0										639
1		SILT - gravelly, trace to some sand, trace of organics, sand is fine to medium, gravel subrounded, to 25 mm diameter, moist, brown.	Unfrozen		SA11	1.8				638
2		GRAVEL - sandy, trace of silt, sand is fine to coarse, gravel subrounded, to 100 mm diameter, damp, grey-brown.			SA12	5.5				637
3		- drilled through cobble or boulder at 1.8 m								636
4		- moist below 2.4 m								635
5		- poor recovery (~50%) in sonic core below 3.0 m	Probable permafrost (Nf, dry) at depth, no visible evidence of ground ice or permafrost observed in sonic core		SA13	2.3				634
6		- fine to medium sand content increases below about 4.3 m			SA14	1.5				633
7		- moist to wet between about 4.9 and 5.5 m								632
8		- approx. 300 mm thick layer of uniform, rounded, coarse gravel with some sand between about 5.5 and 6.1 m (sampled in SA14)			SA15	1.3				631
9		- damp below 7.9 m								630
10		- moist below 9.1 m								629
11	Sonic									628
12		END of BOREHOLE at 12.2 m (Target Depth).			SA16	6				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										620



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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