



Borehole No: MW20-03

Project: Geotechnical Site Evaluation

Project No: [REDACTED]

Location: Beaver Creek Sewage Lagoon

Ground Elev: 639 m

Beaver Creek, Yukon

UTM: 508231 E; 6921235 N; Z 7 WGS84

Depth (m)	Method	Soil Description	Ground Ice Description	Sample Type	Sample Number	Moisture Content (%)	Plastic Limit	Moisture Content	Liquid Limit	GTC No. 2743	MW20-03	Elevation (m)
0							20	40	60			639
0.5		SILT - gravelly, traces of sand, clay and organics, moist, brown.	Unfrozen		SA01	3.3						638
0.5		SAND - gravelly, trace of silt, sand is fine to medium, gravel subrounded, to 100 mm diameter, moist, brown-grey.										637
0.5		GRAVEL - sandy, trace of silt, sand is medium to coarse, gravel is subrounded, to 100 mm diameter, moist to wet, grey-brown.			SA02	5.5						636
2.7		- drilled through cobble or boulder at 2.7 m										635
3.1		- poor recovery (~50%) in sonic core between 3.1 and 12.2 m	Some frozen lumps with visible ice crystals filling voids observed in sonic core between about 3.1 and 6.1 m									634
7.0	Sonic	- trace to some silt between about 7.0 and 8.2 m (sampled in SA03)	Probable permafrost (Nf, dry) at depth, no visible evidence of ground ice or permafrost observed in sonic core		SA03	3.9						633
10.1		- finer gravel (to 50 mm diameter) and fine to medium sand between about 10.1 and 11.3 m (sampled in SA04)			SA04	3.4						632
12.2		SILT - some organics, trace of fine sand, moist to wet, non-plastic, dark grey to black.	Probably unfrozen below about 12.2 m		SA05	35.2						631
13.7		- trace of organics, brown below 13.7 m			SA06	35.9						630
14.9		SAND - gravelly, trace of silt, sand is fine to medium, gravel subrounded, to 75 mm diameter, moist, grey-brown.										629
14.9		coarse, sandy gravel below 14.9 m										628
15.2		END of BOREHOLE at 15.2 m (Target Depth).										627
15.2		50 mm diameter PVC monitoring well and GTC No. 2743 (c/w datalogger No. 11009) installed to bottom of borehole.										626
17												625
18												624
19												623
20												622
												621
												620
												619



Contractor: Midnight Sun Drilling Inc.

Completion Depth: 15.2 m

Drilling Rig Type: TerraSonic CC150

Start Date: May 27, 2020

Logged By: [REDACTED]

Completion Date: May 28, 2020

Reviewed By: [REDACTED]

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