



Borehole No: BH20-05

Project: Geotechnical Site Evaluation

Project No: [REDACTED]

Location: Beaver Creek Sewage Lagoon

Ground Elev: 639.4 m

Beaver Creek, Yukon

UTM: 508078 E; 6921167 N; Z 7 WGS84

Depth (m)	Method	Soil Description	Ground Ice Description	Sample Type	Sample Number	SPT (N)	Moisture Content (%)		Elevation (m)		
							Moisture Content	SPT (N)			
0											
0.5	Sonic	PEAT and SILT	Unfrozen						639		
1.0		SAND - some gravel, traces of silt and organics, sand is fine to medium, gravel subrounded, to 25 mm diameter, damp, brown, occasional frozen lumps with no visible ice.			SA23	3.9				638	
2.0		GRAVEL - sandy, trace of silt, sand is fine to coarse, gravel subrounded, to 75 mm diameter, damp, grey-brown, occasional cobbles and boulders. - thin (~50 mm) layer of brown, silty, organicy sand at 2.1 m			SA24 SA25	52	2.5 2.5			637	
3.0		- moist below 2.7 m		Probable permafrost (Nf, dry) at depth, no visible evidence of ground ice or permafrost observed in sonic core		SA26	13	4.8			636
4.0		- wet between 3.1 and 4.3 m, possibly from water introduced during the drilling process				SA27		2.8			635
5.0						SA28	23	6.9			634
6.0						SA29 SA30	15/ 25mm	1.6			633
7.0		- poor recovery between 6.1 and 7.6 m due to cobbles/boulders plugging core barrel, no sample collected				SA31		4.4			632
8.0						SA32	30	6.5			631
9.0						SA33		6.6			630
9.1		END of BOREHOLE at 9.1 m (Target Depth).								630	
10.0										629	
11.0										628	
12.0									627		
13.0									626		
14.0									625		
15.0									624		
16.0									623		
17.0									622		
18.0									621		
19.0									620		
20.0									620		



Contractor: Midnight Sun Drilling Inc.

Completion Depth: 9.1 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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