



Borehole No: MW21-02

Project: Carmacks Lagoon Additional Geotech

Project No: [REDACTED]

Location: km 2 Freegold Road

Ground Elev: 554.2 m

Carmacks, Yukon

UTM: 430420 E; 6887839 N; Z 8

Depth (m)	Method	Soil Description	Ground Ice Description	Sample Type	Sample Number	Moisture Content (%)	Moisture Content (%)			Elevation (m)	
							Plastic Limit	Moisture Content	Liquid Limit		
0		SAND - trace organics, fine to medium grained sand, damp, brown	Unfrozen							554	
1	Sonic	- some subrounded to subangular gravel to 60 mm diameter, trace silt, no visible organics, fine to coarse grained sand, damp, brown			SA10	4.9					552
2				SA11	1.9						550
3		- gravel to 70 mm diameter, moist									548
4											546
5											544
6		- moist from drilling at 6.2 metres									542
7											540
8		- wet from drilling at 7.5 metres				SA12	9.9				538
9		- damp									536
10		- moist from drilling at 9.0 metres									534
11		- gravelly, gravel to 50 mm diameter				SA13	2.1				532
12		- damp, gravel to 30 mm diameter									530
13		- gravel to 40 mm diameter									
14		- trace gravel to 10 mm diameter				SA14	12.7				
15		- moist from drilling at 12.3 metres									
16		- some subrounded to subangular gravel to 30 mm diameter, damp				SA15	2.5				
17		- trace gravel to 20 mm diameter									
18		- moist from drilling at 15.1 metres				SA16	11				
19		- wet from drilling at 17.0 metres									
20		- medium to coarse sand, gravel to 15 mm diameter, wet from drilling at 18.3 metres									
21		- gravelly, gravel to 50 mm diameter, moist				SA17	4.8				
22		- some gravel									
23		- trace gravel to 10 mm diameter, fine to medium grained sand				SA18	3.5				
24		- no visible gravel, medium to coarse grained sand									
25		- trace subrounded to subangular gravel to 40 mm diameter									



Contractor: [REDACTED]

Completion Depth: 39.6 m

Equipment Type: Terrasonic CC 150

Start Date: 2021 November 5

Logged By: [REDACTED]

Completion Date: 2021 November 5

Reviewed By: [REDACTED]

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25													
26	Sonic	- some gravel to 40 mm diameter	Unfrozen		SA19	3.3					528		
27													
28													
29							SA20	6.7					526
30													
31													
32					SA21	5.3					522		
33													
34													
35		- no visible gravel, fine to medium grained sand									520		
36		- some silt, trace subrounded to subangular gravel to 30 mm diameter			SA22	16.5					518		
37		SAND - silty, fine grained sand, wet, brown											
38		- grey									516		
39					SA23	20.9					516		
40		END OF BOREHOLE (39.6 metres) water - 37.3 metres on November 10, 2021 Monitoring well installed to 39.6 metres									514		
41													
42											512		
43													
44											510		
45													
46											508		
47													
48											506		
49													
50													



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