



Borehole No: MW21-06

Project: Carmacks Lagoon Additional Geotech

Project No: [REDACTED]

Location: km 2 Freegold Road

Ground Elev: 532.48 m

Carmacks, Yukon

UTM: 429340 E; 6888279 N; Z 8

Depth (m)	Method	Soil Description	Ground Ice Description	Sample Type	Sample Number	Moisture Content (%)	Plastic Limit	Moisture Content	Liquid Limit	Elevation (m)
0										532
1		ORGANICS - peat, rootlets, (300 mm thick)	Unfrozen							
1		SAND - gravelly, trace silt, fine to medium grained sand, subrounded to subangular gravel to 80 mm diameter, damp, brown - 60 mm thick silt lens - damp, brown		SA60	1.1					530
2		GRAVEL AND SAND - trace silt, subrounded to subangular gravel to 60 mm diameter, fine to medium grained sand, damp, brown								
3		SAND - trace silt, medium grained sand, damp, dark brown - damp		SA61	12.4					
4		GRAVEL AND SAND - some silt, subrounded to subangular gravel to 30 mm diameter, fine to medium grained sand, damp, brown - 300 mm thick SAND - silty layer, fine grained sand, damp, brown								
5		GRAVEL - sandy, trace silt, subrounded to angular gravel to 30 mm diameter, fine to coarse grained sand, damp, brown - some sand - poor sample recovery, soils inferred from limited sample								
6										
7										
8										
9										
10										
11										
12	Sonic	- gravel to 70 mm diameter, wet from drilling at 12.2 metres		SA62	1.3					528
13										
14		SAND - trace silt, fine to coarse grained sand, moist, brown								
15		- some silt		SA63	22.9					518
16		GRAVEL - sandy, trace silt, subrounded to subangular gravel to 40 mm diameter, fine to coarse grained sand, wet, brown								
17										
18		No recovery								
19										
20				SA64	7.4					514
21										
22										
23		GRAVEL - sandy, trace silt, subrounded to subangular gravel to 40 mm diameter, fine to coarse grained sand, wet, brown								512
24										510
25										508

Contractor: [REDACTED]	Completion Depth: 27.4 m
Equipment Type: Terrasonic CC 150	Start Date: 2021 November 8
Logged By: [REDACTED]	Completion Date: 2021 November 8
Reviewed By: [REDACTED]	Page 1 of 2



Borehole No: MW21-06

Project: Carmacks Lagoon Additional Geotech

Project No: [REDACTED]

Location: km 2 Freegold Road

Ground Elev: 532.48 m

Carmacks, Yukon

UTM: 429340 E; 6888279 N; Z 8

Depth (m)	Method	Soil Description	Ground Ice Description	Sample Type	Sample Number	Moisture Content (%)	Plastic Limit	Moisture Content	Liquid Limit	MW21-06	Elevation (m)
25	Sonic	SAND - trace gravel, fine to coarse grained sand, subrounded to subangular gravel to 20 mm diameter, wet	Unfrozen		SA65	9.2	20	40	60	80	506
26											
27											
28		END OF BOREHOLE (27.4 metres) water - 14.8 metres on November 10, 2021 Monitoring well installed to 27.4 metres									504
29											502
30											500
31											498
32											496
33											494
34											492
35											490
36											488
37											486
38											484
39											
40											
41											
42											
43											
44											
45											
46											
47											
48											
49											
50											

[REDACTED]

Contractor: [REDACTED]

Completion Depth: 27.4 m

Equipment Type: Terrasonic CC 150

Start Date: 2021 November 8

Logged By: [REDACTED]

Completion Date: 2021 November 8

Reviewed By: [REDACTED]

Page 2 of 2