

**Project Name:** Supplemental Phase II/III ESA **Test Hole ID:** MW19-05

**Project Number:** [REDACTED]

**Site Location:** Carmacks Highway Maintenance Yard

**Coordinates**

**Easting:** 433326.138  
**Northing:** 6885060.762  
**Datum:** NAD83 UTM Zone 08N

**Drilling Details**

Drill Contractor: [REDACTED]  
 Drill Date: **August 7, 2019**  
 Drill Method: **Sonic**  
 Maximum Drilled Depth (mbgs): **12.19**  
 Drillhole Diameter (mm): **152**

**Vapour Well: SV19-05**

Top of Sand Pack (mbgs): **1.22**  
 Probe Interval (mbgs): **1.22 - 1.52**  
 Probe Diameter (mm): **15**  
 Probe Material: **Stainless Steel**  
 Leak Test Passed: **Yes**  
 Leak Test Date: **August 13, 2019**

Lithologic Description		Soil Sampling			Headspace Analysis	Elevation (masl)	Well Construction Details			
Depth (mbgs)	Symbol	Depth (ftbgs)	Sample Type	% Recovery	Sample ID	Sample Analyzed (Y,N)	Vapour Readings Instrument: MiniRae Units: ppm	MW19-05	SV19-05	Comments
0	SAND AND GRAVEL: Brown, large gravel, subrounded, medium to coarse sand, some silt, moist, loose, no odour	0								
1										
1	SILT: Dark brown, some organic matter (rootlets), dense, moist, no odour	2	MW19-05-01			Y	1.5			
2										
2	SAND: Light brown, fine to medium, trace silt, no gravel, dense, moist, no odour  @ 1.2 mbgs, wet, orange and grey staining	3	MW19-05-02			N	1.9			
3										
3	SAND AND GRAVEL: Brown, fine to medium sand, medium to large gravel, subrounded, trace silt, loose, wet, no odour  @ 3.1 mbgs, medium to coarse sand, some pebbles, slight odour	4								
4										
4	SAND AND GRAVEL: Brown, fine to medium sand, medium to large gravel, subrounded, trace silt, loose, wet, no odour  @ 4 mbgs, black (stained), medium to coarse sand, large rounded gravel, loose, wet, strong odour	5								
5										
5	SAND: Grey, medium to coarse, minor gravel, loose, wet, no colour	6	MW19-05-03			N	0.8			
6										
6	SAND: Grey, medium to coarse, minor gravel, loose, wet, no colour	7								
7										
7	SAND: Grey, medium to coarse, minor gravel, loose, wet, no colour	8	MW19-05-04			N	1.8			
8										
8	SAND: Grey, medium to coarse, minor gravel, loose, wet, no colour	9								
9										
9	SAND: Grey, medium to coarse, minor gravel, loose, wet, no colour	10								
10										
10	SAND: Grey, medium to coarse, minor gravel, loose, wet, no colour	11								
11										
11	SAND: Grey, medium to coarse, minor gravel, loose, wet, no colour	12	MW19-05-05			Y	21.8			
12										
12	SAND: Grey, medium to coarse, minor gravel, loose, wet, no colour	13								
13										
13	SAND: Grey, medium to coarse, minor gravel, loose, wet, no colour	14								
14										
14	SAND: Grey, medium to coarse, minor gravel, loose, wet, no colour	15								
15										
15	SAND: Grey, medium to coarse, minor gravel, loose, wet, no colour	16								
16										
16	SAND: Grey, medium to coarse, minor gravel, loose, wet, no colour	17								
17										
17	SAND: Grey, medium to coarse, minor gravel, loose, wet, no colour	18	MW19-05-06			Y	167.5			
18										
18	SAND: Grey, medium to coarse, minor gravel, loose, wet, no colour	19								
19										
19	SAND: Grey, medium to coarse, minor gravel, loose, wet, no colour	20								
20										
20	SAND: Grey, medium to coarse, minor gravel, loose, wet, no colour	21								
21										
21	SAND: Grey, medium to coarse, minor gravel, loose, wet, no colour	22								
22										
22	SAND: Grey, medium to coarse, minor gravel, loose, wet, no colour	23	MW19-05-07			N	2.8			
23										
23	SAND: Grey, medium to coarse, minor gravel, loose, wet, no colour	24								
24										
24	SAND: Grey, medium to coarse, minor gravel, loose, wet, no colour	25								
25										
25	SAND: Grey, medium to coarse, minor gravel, loose, wet, no colour	26	MW19-05-08			N	3.1			
26										



**Report Date:** August 2019  
**Logged by:** [REDACTED]  
**Approved by:** [REDACTED]  
**Client:** Yukon Government

**MW19-05**  
 Top of Casing Elevation (masl): **521.619**  
 Ground Elevation (masl): **521.73**  
 Screen Interval (mbgs): **9.144 - 10.668**  
 Depth to Bottom (mbTOC): **10.60**  
 Depth to Water (mbTOC): **2.746**  
 Water Level Date: **August 13, 2019**  
 Casing Diameter (in): **2**  
 Screen Slot Size: **10**  
 Casing Material: **PVC**

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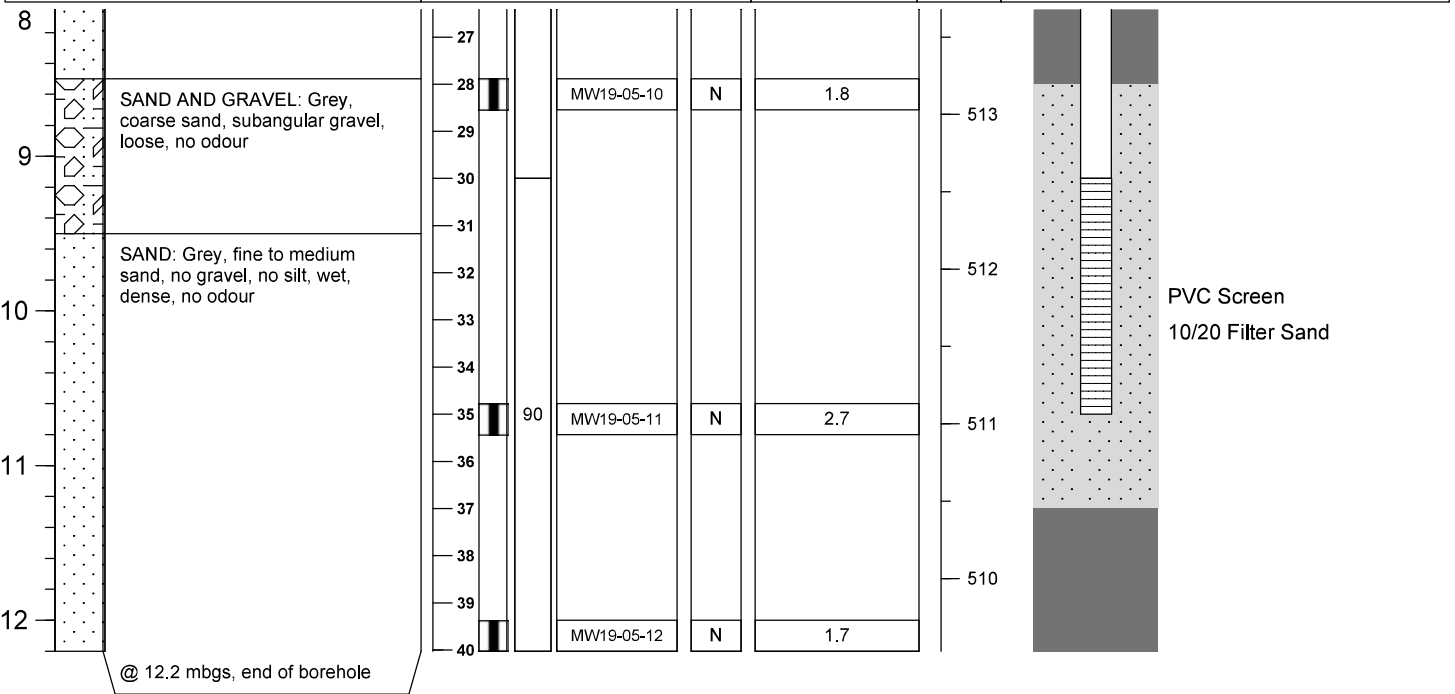
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