

**Project Name:** Supplemental Phase II ESA  
**Project Number:** [REDACTED]

**Test Hole ID:** MW19-16  
**Site Location:** Carmacks Highway Maintenance Yard

**Coordinates**

**Easting:** 433320.378  
**Northing:** 6885029.217  
**Datum:** NAD83 UTM Zone 08N

**Drilling Details**

Drill Contractor: [REDACTED]  
 Drill Date: August 8, 2019  
 Drill Method: Sonic  
 Maximum Drilled Depth (mbgs): 12.192  
 Drillhole Diameter (mm): 152

**Vapour Well: SV19-16**

Top of Sand Pack (mbgs): 1.22  
 Probe Interval (mbgs): 1.25 - 1.5  
 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		MW19-16S	MW19-16D	SV19-16
0	ASPHALT					524			
0-1	FILL: brown sand and gravel, fine to coarse sand, small to large gravel, trace silt, dry, loose, no odour								Flush Mount
1	@ 0.6 mbgs, brown silty sand, fine, trace small gravel, dense, moist								
2	@ 1.1 mbgs, brown, fine to medium sand, minor small gravel, trace silt, loose, moist, no odour								
2-3	SAND AND GRAVEL: grey, fine to coarse sand and gravel, some cobble and pebble size gravel, trace silt, loose, moist, no odour								
3									
4									
5	@ 5.8 mbgs, wet								
6	GRAVEL: black, large gravel and cobble, trace coarse sand, loose, wet, strong odour								
7									
8	SAND AND GRAVEL: brown, coarse sand, large gravel, some cobbles, trace silt, loose, wet, no								



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

**MW19-16S**  
 Top of Casing Elevation (masl): 523.999  
 Ground Elevation (masl): 523.97  
 Screen Interval (mbgs): 4.57 - 7.62  
 Depth to Bottom (mbTOC): 7.30  
 Depth to Water (mbTOC): 5.099  
 Water Level Date: August 13, 2019  
 Casing Diameter (in.): 2  
 Screen Slot Size: 10  
 Casing Material: PVC

**MW19-16D**  
 Top of Casing Elevation (masl): 523.877  
 Ground Elevation (masl): 524.077  
 Screen Interval (mbgs): 11.58 - 13.11  
 Depth to Bottom (mbTOC): 12.90  
 Depth to Water (mbTOC): 4.96  
 Water Level Date: August 13, 2019  
 Casing Diameter (in.): 2  
 Screen Slot Size: 10  
 Casing Material: PVC

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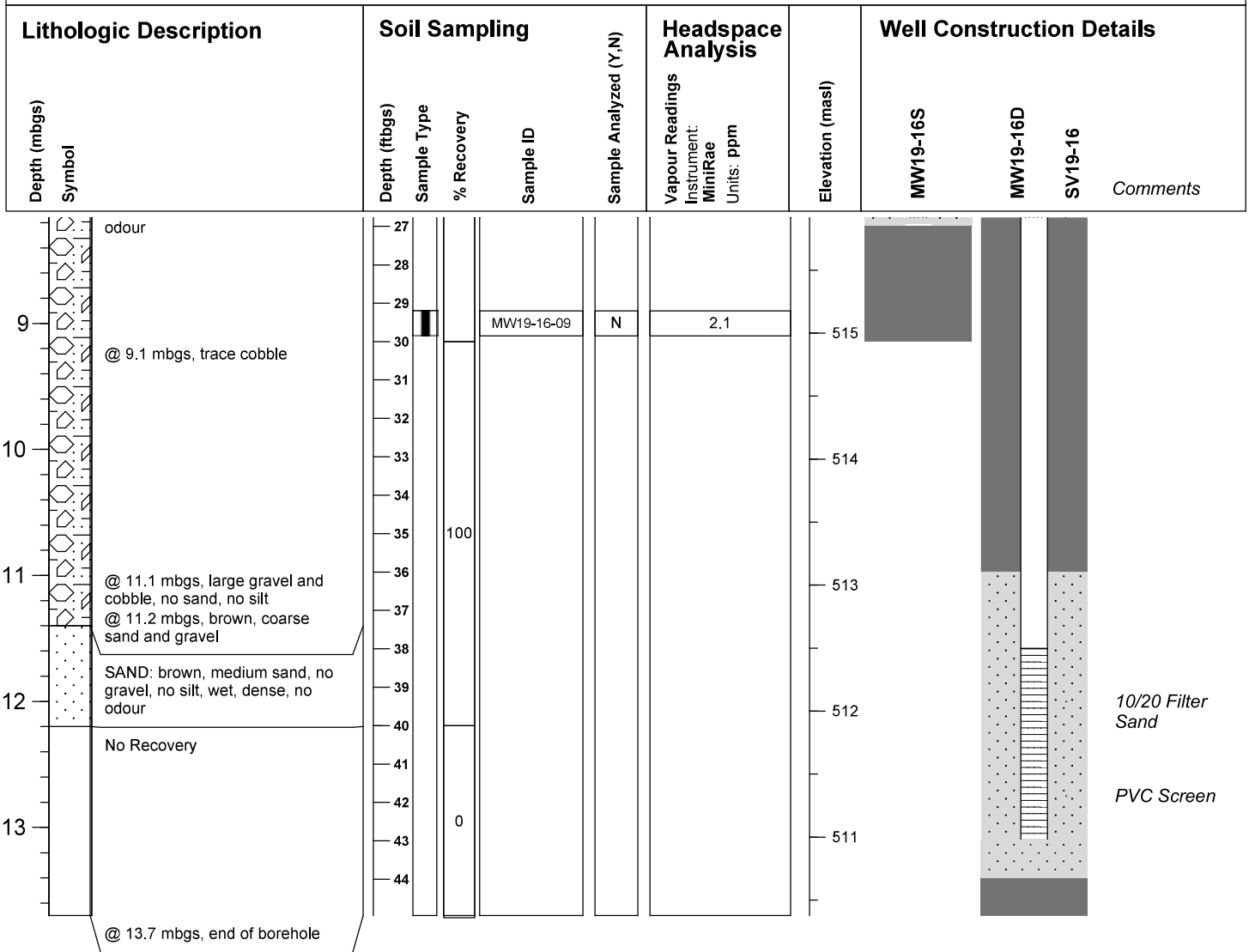
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 Leak Test Date: August 13, 2019



	<b>Report Date:</b> August 2019 <b>Logged by:</b> [REDACTED] <b>Approved by:</b> [REDACTED] <b>Client:</b> Yukon Government	<b>MW19-16S</b> Top of Casing Elevation (masl): 523.999 Ground Elevation (masl): 523.97 Screen Interval (mbgs): 4.57 - 7.62 Depth to Bottom (mbTOC): 7.30 Depth to Water (mbTOC): 5.099 Water Level Date: August 13, 2019 Casing Diameter (in.): 2 Screen Slot Size: 10 Casing Material: PVC	<b>MW19-16D</b> Top of Casing Elevation (masl): 523.877 Ground Elevation (masl): 524.077 Screen Interval (mbgs): 11.58 - 13.11 Depth to Bottom (mbTOC): 12.90 Depth to Water (mbTOC): 4.96 Water Level Date: August 13, 2019 Casing Diameter (in.): 2 Screen Slot Size: 10 Casing Material: PVC