

# MONITORING WELL ID: MW16-07



Well Type: Groundwater Monitoring Well  
 Project Location: Watson Lake Airport - AEC 32, YT  
 Drilling Contractor: Omega Environmental Drilling Ltd.  
 Drilling Equipment/Method: Sonic  
 Well Location: Downgradient from Tank F, MW16-Q

Project Name/No.: [REDACTED]  
 Client: PWGSC  
 Engineer/Geologist: [REDACTED]  
 Drill Date: November 14, 2016 Page: 1 of 6

Depth (ft/m)	Symbol	Soil / Sediment Description	Sample Type	% Recovery	Sample Analyzed	Sample ID	Headspace (PID)					Well Construction	Remarks
							0	500	1000	1500	2000		
ft m													
-2													
-1													
0		Ground Surface											
1		<b>SAND</b> Brown, fine to medium SAND with trace gravel. Loose, moist, staining and odours not observed.	G	80	N	MW16-07 (0.2)	0.5					Concrete	
2		<b>SAND</b> Brown, fine to medium SAND with trace silt and trace gravel. Compact, moist, staining and odours not observed.										Bentonite	
3			G	80	N	MW16-07 (1.0)	0.4						
4		<b>SAND</b> Brown SAND with trace gravel and trace to no silt. Loose, moist, staining and odours not observed.										Sand	
5													
6			G	80	N	MW16-07 (2.3)	1.4						
7													
8			G	95	N	MW16-07 (3.0)	0.0						
9													
10													
11													
12													
13													
14			G	95	N	MW16-07 (4.0)	0.2						
15													
16													

Date of Water Level: November 21, 2016  
 Water Level (from TOC): 31.254

Well-Borehole Diameter: 150mm (6")  
 Well Casing Diameter: 50mm (2")  
 Well Casing Material: Schedule 40 PVC  
 Well Screen Slot Size: 10 Slot

Depth of Well (TOC): 31.432

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Depth (ft/m)	Symbol	Soil / Sediment Description	Sample Type	% Recovery	Sample Analyzed	Sample ID	Headspace (PID)					Well Construction	Remarks
							0	500	1000	1500	2000		
17	6	<b>SAND</b> Grey, fine to medium SAND with trace gravel. Compact, dry, staining and odours not observed.	G	95	N	MW16-07 (5.3)	0.2					Bentonite	
20			G	110	N	MW16-07 (6.0)	0.4						
21	7	<b>SAND</b> Brown, fine to medium SAND with some silt and trace gravel. Compact, dry, staining and odours not observed.	G	110	N	MW16-07 (6.8)	1.6					Sand	
26			G	110	N	MW16-07 (8.0)	0.3						
30	9	<b>SAND</b> Brown, fine to medium SAND with some gravel. Very dense, moist, staining and odours not observed.	G	120	N	MW16-07 (9.3)	0.1					Bentonite	
34			G	120	N	MW16-07 (10.5)	0.3						

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Depth (ft/m)	Symbol	Soil / Sediment Description	Sample Type	% Recovery	Sample Analyzed	Sample ID	Headspace (PID)					Well Construction	Remarks
							0	500	1000	1500	2000		
36	11	<b>SILT</b> Grey SILT with trace fine to medium sand. Stiff, moist, staining and odours not observed.											
37		<b>SAND</b> Brown, fine to medium SAND with trace to no silt and trace gravel. Dense, moist, staining and odours not observed.	G	120	N	MW16-07 (11.2)	0.3						
38													
39	12	<b>SAND</b> Brown, fine SAND. Loose, moist, staining and odours not observed.	G	110	N	MW16-07 (12.0)	0.0						
40													
41													
42													
43	13		G	110	N	MW16-07 (13.0)	0.1						
44													
45		<b>SAND</b> Brown, fine to medium SAND with trace silt and trace gravel. Compact, moist, staining and odours not observed.											
46	14		G	110	N	MW16-07 (14.0)	0.1						
47													
48													
49	15	<b>SAND</b> Brown, fine to medium SAND. Loose, moist, staining and odours not observed.	G	90	N	MW16-07 (15.0)	1.2						
50													
51		Faint HC like odour below 15.8m.											
52													
53	16		G	90	N	MW16-07 (16.0)	24.9						
54													

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							0	500	1000	1500	2000		
55	17	<b>SAND</b> Brown, fine to medium SAND. Loose, moist, staining and odours not observed.  Faint HC like odour below 15.8m.											
56			G	90	Y	MW16-07 (17.0)						32.4	
57			G	80	Y	DUP J							
58													
59	18		G	80	Y	MW16-07 (18.0)						0.7	
60													
61													
62	19		G	80	N	MW16-07 (19.0)						0.4	
63													
64													
65	20		G	80	Y	MW16-07 (20.0)						0.4	
66													
67													
68	21	<b>SAND</b> Brown, fine to medium SAND with trace silt and trace gravel. Very dense, dry to moist, staining and odours not observed.	G	100	N	MW16-07 (21.0)						0.0	
69													
70													
71	22	<b>Gravelly SAND</b> Grey gravelly SAND. Compact, dry, staining and odours not observed.	G	100	N	MW16-07 (22.0)						2.6	
72													
73													

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							0	500	1000	1500	2000			
74		<b>Gravelly SAND</b> Grey gravelly SAND. Compact, dry, staining and odours not observed.												
75														
76			G	100	Y	MW16-07 (23.0)	17.1							
77														
78														
79			G	110	N	MW16-07 (24.0)	0.4							
80														
81														
82	G	110	N	MW16-07 (25.0)	1.5									
83														
84														
85	G	110	Y	MW16-07 (26.0)	0.2									
86														
87														
88		<b>NO RECOVERY</b> NO RECOVERY - Drill bit welded to stem.												
89														
90														
91														
92														

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							0	500	1000	1500	2000		
93		<b>NO RECOVERY</b> NO RECOVERY - Drill bit welded to stem.											
94		<b>Gravelly SAND</b> Brown gravelly SAND. Dense, dry, staining and odours not observed.											
95	29		G	80	N	MW16-07 (29.0)	0.0						
96													
97													
98			G	80	N	MW16-07 (29.0)	0.0						
99	30												
100													
101		<b>SILT</b> Olive SILT with trace sand and trace gravel. Stiff, moist, staining and odours not observed.	G	70	Y	MW16-07 (30.8)	0.6						
102			G	70	N	DUP K							
103	31	<b>BEDROCK</b> Grey fractured ROCK or BEDROCK. Very dense, dry, staining and odours not observed.											
104			G	70	N	MW16-07 (31.3)	0.4						
105	32												
106			G	90	N	MW16-07 (32.0)	0.4						
107													
108													
109	33												
110													
111													

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