

PROJECT No.: 11-1436-0073 (2100)

RECORD OF BOREHOLE: JC-MW12-01

SHEET 1 OF 10
DATUM: Geodetic

CLIENT: Yukon Government Community Services
PROJECT: Yukon Landfill Assessment
LOCATION: Johnson's Crossing Solid Waste Disposal Facility
N: 6707644.09 E: 594240.96

DRILLING DATE: May 27, 2012
DRILLING CONTRACTOR: Midnight Sun Drilling

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES				WATER CONTENT PERCENT				ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION	
		DESCRIPTION	STRATA PLOT ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	CORE No.	CORE RECOVERY %	Wp	W	WI			
0		Ground Surface (ML) SILT, trace fine sand, light brown, moist.	770.95 0.00											Stickup = 0.66m
1														
2														
3		- at 3.05m depth: seam with some clay. - from 3.05m - 7.32m depth: brown, trace clay.												
4														
5	M6 Driftech Truck Mounted Auger Drill Rig Air Rotary													Bentonite Seal
6														
7														
8		- at 7.32m depth: wet.												
9		- from 8.53m - 9.14m depth: some clay. - from 9.14m - 34.44m depth: no clay, moist.												
10														

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DEPTH SCALE

1 : 50



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PROJECT No.: 11-1436-0073 (2100)

RECORD OF BOREHOLE: JC-MW12-01

SHEET 2 OF 10
DATUM: Geodetic

CLIENT: Yukon Government Community Services
PROJECT: Yukon Landfill Assessment
LOCATION: Johnson's Crossing Solid Waste Disposal Facility
N: 6707644.09 E: 594240.96

DRILLING DATE: May 27, 2012
DRILLING CONTRACTOR: Midnight Sun Drilling

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES					PID ppm		WATER CONTENT PERCENT	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION			
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	CORE No.	CORE RECOVERY %	5				10	15	20
10		(ML) SILT, trace fine sand, light brown, moist. (continued)														
11																
12																
13		- from 13.11m - 25.91m depth: light brown to olive grey.														
14																
15	MF Drilltech Truck Mounted Auger Drill Rig Air Rotary															Bentonite Seal
16																
17																
18																
19																
20																

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DEPTH SCALE

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PROJECT No.: 11-1436-0073 (2100)

RECORD OF BOREHOLE: JC-MW12-01

SHEET 3 OF 10
DATUM: Geodetic

CLIENT: Yukon Government Community Services
PROJECT: Yukon Landfill Assessment
LOCATION: Johnson's Crossing Solid Waste Disposal Facility
N: 6707644.09 E: 594240.96

DRILLING DATE: May 27, 2012
DRILLING CONTRACTOR: Midnight Sun Drilling

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES				PID ppm		WATER CONTENT PERCENT Wp — W — WI	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION										
		DESCRIPTION	STRATA PLOT ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	CORE No.	CORE RECOVERY %	5				10	15	20							
20		(ML) SILT, trace fine sand, light brown, moist. (continued)																				
21																						
22																						
23																						
24																						
25	M5 Drillech Truck Mounted Auger Drill Rig Air Rotary																					
26		- from 25.91m - 34.44m depth: brown.																				Bentonite Seal
27																						
28																						
29																						
30																						

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DEPTH SCALE

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PROJECT No.: 11-1436-0073 (2100)

RECORD OF BOREHOLE: JC-MW12-01

SHEET 4 OF 10
 DATUM: Geodetic

CLIENT: Yukon Government Community Services
 PROJECT: Yukon Landfill Assessment
 LOCATION: Johnson's Crossing Solid Waste Disposal Facility
 N: 6707644.09 E: 594240.96

DRILLING DATE: May 27, 2012
 DRILLING CONTRACTOR: Midnight Sun Drilling

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES				PID ppm		WATER CONTENT PERCENT Wp ----- W ----- WI	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION		
		DESCRIPTION	STRATA PLOT ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	CORE No.	CORE RECOVERY %	5				10	15
30	MG Driltech Truck Mounted Auger Drill Rig Air Rotary	(ML) SILT, trace fine sand, light brown, moist. (continued)												
31														
32														
33														
34			- 33.83m - 34.44m depth: some gravel.											
35		(GM) SILTY GRAVEL, trace sand, dark brown, moist.	736.51 34.44											Bentonite Seal
36														
37		(GM) sandy GRAVEL, some silt, dark brown, moist.	734.37 36.58											
38		(GP) sandy GRAVEL, trace silt, brown, moist.	733.76 37.19											
39														
40		(ML) sandy SILT, brown, moist.	731.63 39.32											
			731.02											

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DEPTH SCALE

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PROJECT No.: 11-1436-0073 (2100)

RECORD OF BOREHOLE: JC-MW12-01

SHEET 5 OF 10
DATUM: Geodetic

CLIENT: Yukon Government Community Services
PROJECT: Yukon Landfill Assessment
LOCATION: Johnson's Crossing Solid Waste Disposal Facility
N: 6707644.09 E: 594240.96

DRILLING DATE: May 27, 2012
DRILLING CONTRACTOR: Midnight Sun Drilling

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES				PID ppm		WATER CONTENT PERCENT				ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	CORE No. CORE RECOVERY %	5	10	15	20	Wp		
40	M6 Drillech Truck Mounted Auger Drill Rig Air Rotary	(GM) SILTY GRAVEL, trace sand, brown, moist. (continued)		39.93											
41															
42															
43															
44		(ML) SILT, some sand, brown, cohesive, moist to wet.		727.36 43.59											
45															
46															
47		(GM) GRAVEL, some silt, trace sand.		724.62 46.33											
	(GW) sandy GRAVEL, light grey.		724.32 46.63												
48															
49	(ML) SILT, light brown, moist.		722.18 48.77												
50	(GM) SILTY GRAVEL, trace sand, brown, moist.		721.57 49.38												
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DEPTH SCALE
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Bentonite Seal

PROJECT No.: 11-1436-0073 (2100)

RECORD OF BOREHOLE: JC-MW12-01

SHEET 6 OF 10
DATUM: Geodetic

CLIENT: Yukon Government Community Services
PROJECT: Yukon Landfill Assessment
LOCATION: Johnson's Crossing Solid Waste Disposal Facility
N: 6707644.09 E: 594240.96

DRILLING DATE: May 27, 2012
DRILLING CONTRACTOR: Midnight Sun Drilling

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES				PID ppm		WATER CONTENT PERCENT				ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION	
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	CORE No.	CORE RECOVERY %	5	10	15	20			Wp
50		(GM) SILTY GRAVEL, trace sand, brown, moist. (continued)														
52		(GW) sandy GRAVEL, light grey, moist.		719.13 51.82												
		(ML) SILT, light brown, moist.		718.83 52.12												
53		(GM) GRAVEL, some silt, some sand, brown, wet.		717.91 53.04												
54		(ML) sandy SILT, brown, some cohesion, wet to moist.		717.00 53.95												
55		(GM) sandy GRAVEL, trace silt, dark grey, moist to wet.		716.09 54.86												Bentonite Seal
58		- from 57.91m - 68.58m depth: some clay and silt.														
60		CONTINUED NEXT PAGE														

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PROJECT No.: 11-1436-0073 (2100)

RECORD OF BOREHOLE: JC-MW12-01

SHEET 7 OF 10
DATUM: Geodetic

CLIENT: Yukon Government Community Services
PROJECT: Yukon Landfill Assessment
LOCATION: Johnson's Crossing Solid Waste Disposal Facility
N: 6707644.09 E: 594240.96

DRILLING DATE: May 27, 2012
DRILLING CONTRACTOR: Midnight Sun Drilling

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES				PID ppm		WATER CONTENT PERCENT Wp ----- W ----- WI	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION													
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	CORE No.	CORE RECOVERY %				5	10	15	20									
60	M5 Dritech Truck Mounted Auger Drill Rig Air Rotary	(GM) sandy GRAVEL, trace silt, dark grey, moist to wet. (continued)																							
61																									
62																									
63																									
64																									
65																									
66																									
67																									
68																									
69																									
70																									

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DEPTH SCALE
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Bentonite Seal

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PROJECT No.: 11-1436-0073 (2100)

RECORD OF BOREHOLE: JC-MW12-01

SHEET 8 OF 10
DATUM: Geodetic

CLIENT: Yukon Government Community Services
PROJECT: Yukon Landfill Assessment
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DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES				PID ppm				WATER CONTENT PERCENT				ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	CORE No.	CORE RECOVERY %	WATER CONTENT PERCENT							
										Wp	W	WI					
70		(GW) sandy GRAVEL, trace silt, dark grey, moist. <i>(continued)</i>															
71																	
72		(GW) sandy GRAVEL, trace silt, light grey, dry to moist.		699.32 71.63													
73		(GM) sandy GRAVEL, some silt and clay, dark grey.		698.71 72.24													
74																	
75	M6 Driltech Truck Mounted Auger Drill Rig Air Rotary															Bentonite Seal	
76																	
77																	
78																	
79																	
80																	

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DEPTH SCALE

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PROJECT No.: 11-1436-0073 (2100)

RECORD OF BOREHOLE: JC-MW12-01

SHEET 9 OF 10
DATUM: Geodetic

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DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES				PID ppm		WATER CONTENT PERCENT				ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION			
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	CORE No.	CORE RECOVERY %	5	10	15	20			Wp	W	WI
80	M5 Driftech Truck Mounted Auger Drill Rig Air Rotary	(GM) sandy GRAVEL, some silt and clay, dark grey. (continued)																
81																		
82																		Bentonite Seal
83																		
84																		
85		(SP) SAND, trace silt, brown, wet.		685.76 85.19														
86																		
87																		
88		(SW-GP) fine SAND to fine GRAVEL, trace silt, brown, wet.		682.56 88.39														
89																		
90		(SM) SILTY SAND, brown, very wet.		681.19 89.76														
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