

PROJECT No.: 11-1436-0073 (1400)

# RECORD OF BOREHOLE: WL-BH12-03 (WL-MW12-02)

SHEET 1 OF 8  
DATUM: Ground Surface

LOCATION: Yukon Landfills, Watson Lake  
N: ~6658974.77 E: ~514149.05 Zone: UTM 9 North  
Note: Northing and Easting Coordinates have been determined by GPS in the field and are approximate only.

DRILLING DATE: May 14, 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
0		Ground Surface (ML) sandy SILT, some gravel, orange to light brown, moist. - from 0m - 2.44m depth: (FILL) - from 2.44m - 6.10m depth: (Native)	0.00												
1															
2															
3															
4															
5	MS Drillech Air Rotary														
6		(SM-GM) silty SAND and GRAVEL, dark brown, moist.	6.10												
7		ROCK, dark grey, crystalline.	7.32												
8															
9															
10															

Hydrated Bentonite Chip Seal

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DEPTH SCALE

1 : 50



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CHECKED: **DRAFT**

PROJECT No.: 11-1436-0073 (1400)

# RECORD OF BOREHOLE: WL-BH12-03 (WL-MW12-02)

SHEET 2 OF 8  
DATUM: Ground Surface

LOCATION: Yukon Landfills, Watson Lake  
N: ~6658974.77 E: ~514149.05 Zone: UTM 9 North  
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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
10	MS Drilltech Air Rotary	(CL) sandy CLAY, some silt, trace gravel, blue-grey to dark brown, soft, wet.		10.06													
		(SL-GM) clayey SAND and GRAVEL, trace silt, dark brown, wet.		10.36													
		ROCK, dark grey, crystalline.		10.67													
11		(SM-GM) silty SAND and GRAVEL, subrounded, light brown, moist.		10.97													
		(GM) GRAVEL, some sand, trace silt, light brown, moist.		11.28													
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
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Hydrated Bentonite Chip Seal



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PROJECT No.: 11-1436-0073 (1400)

# RECORD OF BOREHOLE: WL-BH12-03 (WL-MW12-02)

SHEET 3 OF 8  
DATUM: Ground Surface

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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
20	M5 Drilltech Air Rotary	(GM) GRAVEL, some sand, trace silt, light brown, moist. (continued)															
21		(ML) silty fine SAND, orange, moist.		21.34													
22																	
23																	
24																	
25		- clay lense at 24.38m depth.															
26																	
27																	
28		- trace gravel and colour change at ~27.4m depth.															
29		- increased moisture and orange-brown at ~28.7m depth.															
30																	
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DEPTH SCALE

1 : 50



LOGGED: CB

CHECKED: **DRAFT**

Hydrated  
Bentonite Chip  
Seal



PROJECT No.: 11-1436-0073 (1400)

# RECORD OF BOREHOLE: WL-BH12-03 (WL-MW12-02)

SHEET 4 OF 8  
DATUM: Ground Surface

LOCATION: Yukon Landfills, Watson Lake  
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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
30	MS Driltech Air Rotary	(ML) silty fine SAND, orange, moist. <i>(continued)</i>													
31															
32		(GM) sandy GRAVEL, some silt, orange to dark brown, moist.	32.00												
33															
34															
35															
36															
37															
38															
39															
40		(ML) gravelly SILT, some sand, dark brown, moist.	39.62												
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Hydrated Bentonite Chip Seal

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DEPTH SCALE

1 : 50



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CHECKED: **DRAFT**

PROJECT No.: 11-1436-0073 (1400)

# RECORD OF BOREHOLE: WL-BH12-03 (WL-MW12-02)

SHEET 5 OF 8  
DATUM: Ground Surface

LOCATION: Yukon Landfills, Watson Lake  
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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		(ML) gravelly SILT, some sand, dark brown, moist. (continued)														
41		(SM) SAND, some silt and gravel, dark grey, moist.		41.15												
42		(SM) SAND, some silt and gravel, trace clay, some cohesion, moist.		41.76												
43		(ML) sandy SILT, trace gravel, dark grey, moist.		42.37												
45	M5 Drilltech Air Rotary															
46		- yellow brown at 45.72m depth.														
48		- slightly drier, yellow-orange at 47.53m depth.														
49		(ML) SILT, some sand and gravel, yellow-orange, moist.		48.77												
50		CONTINUED NEXT PAGE														

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DEPTH SCALE  
1 : 50



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Hydrated Bentonite Chip Seal

PROJECT No.: 11-1436-0073 (1400)

# RECORD OF BOREHOLE: WL-BH12-03 (WL-MW12-02)

SHEET 6 OF 8  
DATUM: Ground Surface

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		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	CORE No.	CORE RECOVERY %	5	10	15	20	Wp		
50		(ML) SILT, some sand and gravel, yellow-orange, moist. <i>(continued)</i>														
51																
52		- light brown at 51.82m depth.														
53																
54		(SM) SAND, some silt, trace gravel, orange-yellow, moist.		53.34												
		(SM-GM) silty SAND and GRAVEL, subrounded, some clay, brown, moist.		53.64												
		(SM) SAND, some silt, some fine rounded gravel, yellow-orange, moist.		53.95												
55	M5 Driltech Air Rotary															
56																
57		(SM) SAND, some silt, some fine rounded gravel, olive-grey, moist.		56.69												
58		- light brown at 57.91m depth.														
59		- trace clay, dry at 59.13m depth.														
60		CONTINUED NEXT PAGE														

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DEPTH SCALE  
1 : 50



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Hydrated Bentonite Chip Seal



PROJECT No.: 11-1436-0073 (1400)

# RECORD OF BOREHOLE: WL-BH12-03 (WL-MW12-02)

SHEET 7 OF 8  
DATUM: Ground Surface

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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	WI
60	M5 Drifttech Air Rotary	Weathered ROCK.	[Hatched Pattern]	60.05													
61		Competent ROCK.	[Hatched Pattern]	62.48													
62																	
63																	
64																	
65																	
66																	
67																	
68																	
69																	
70																	

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DEPTH SCALE  
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Hydrated Bentonite Chip Seal

05/15/2012  
WL-BH12-03

10/20 Silica Sand

Slotted PVC Pipe

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**RECORD OF BOREHOLE: WL-BH12-03 (WL-MW12-02)**

SHEET 8 OF 8  
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		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	CORE No.	RECOVERY %	5	10	15			20
70	M5 Dritech Air Rotary	Competent ROCK. (continued)													
71															
72		End of Borehole.		71.63											
73															
74															
75															
76															
77															
78															
79															
80															

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DEPTH SCALE  
1 : 50



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