2010 Monitoring Well Program	CLIENT: YG - Department of Community Services	PROJECT NO. - BOREHOLE NO.
Carmacks Sewage Lagoon	DRILL: Geotech MST-Odex	[redacted]-CA-MW02
Carmacks, YT	6890591N; 431884E; Zone 8	

SAMPLE TYPE: DISTURBED | NO RECOVERY | SPT | A-CASING | SHELBY TUBE | CORE

BACKFILL TYPE: BENTONITE | PEA GRAVEL | SLOUGH | GROUT | DRILL CUTTINGS | SAND

Depth (m)	SOIL DESCRIPTION	SAMPLE TYPE	NOTES & COMMENTS	Monitoring well	Depth (ft)
0	SAND - trace silt, uniformly graded, very fine to fine grained sand, dry, very loose, yellow brown				0
1					
2	- damp, loose, orange brown - yellow brown				5
3	SAND and GRAVEL - poorly graded, fine grained sand, gravel is 5-10 mm, angular to subangular, damp, loose, medium brown				10
4					
5	GRAVEL - sandy, very fine to coarse grained sand, gravel is 5-20 mm, rounded to angular, dry				15
6	- gravel is 5-30 mm				20
7	SAND - trace silt, uniformly graded, very fine sand, damp, yellow brown				
8	- well graded sand, damp - medium to very coarse sand				25
9	SAND and GRAVEL - coarse to very coarse sand, gravel is 5-12 mm, subrounded to angular, damp, very loose				30
10	GRAVEL - sandy, well graded sand, gravel is 5-30 mm, rounded to angular, dry				
11					35
12					40
13	SAND - some gravel, well graded sand, gravel is 5-10 mm, rounded to angular, dry GRAVEL - sandy, well graded, 5-30 mm, subrounded to subangular, dry				
14					45
15					50
16					
17					55
18	SAND and GRAVEL - well graded sand, gravel is 5-15 mm, subrounded to angular, damp				60
19	SAND - uniformly graded, medium, subangular, damp, medium brown GRAVEL - sandy, poorly graded, fine to medium sand, subrounded to angular, dry				
20					65
21					
22					72

EBA Engineering Consultants Ltd.

LOGGED BY: [redacted]	COMPLETION DEPTH: 52.6m
REVIEWED BY: [redacted]	COMPLETE: 9/22/2010
DRAWING NO:	Page 1 of 3

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Carmacks Sewage Lagoon	DRILL: Geotech MST-Odex	[redacted]CA-MW02
Carmacks, YT	6890591N; 431884E; Zone 8	

SAMPLE TYPE: DISTURBED | NO RECOVERY | SPT | A-CASING | SHELBY TUBE | CORE

BACKFILL TYPE: BENTONITE | PEA GRAVEL | SLOUGH | GROUT | DRILL CUTTINGS | SAND

Depth (m)	SOIL DESCRIPTION	SAMPLE TYPE	NOTES & COMMENTS	Monitoring well	Depth (ft)
22					
23					75
24	SAND - gravelly, well graded sand, gravel is 5-10 mm, subrounded to angular, dry				
25	- some gravel				80
26	SAND and GRAVEL - well graded, fine to very coarse sand, gravel is 5-15 mm, subrounded to angular, dry				85
27	- damp				
28	- dry				90
29	GRAVEL - some sand, well graded sand, gravel is 5-10 mm, angular to subangular, dry				95
30	SAND - gravelly, well graded, very fine to coarse sand, gravel is 5-10 mm, subrounded to subangular samp, medium brown SAND and GRAVEL - well graded, very fine to coarse sand, gravel is 5-30 mm, subrounded to angular, dry				100
31					
32	GRAVEL - sandy, well graded, very fine to coarse sand, gravel is 5 mm, angular, dry				105
33					
34					110
35	GRAVEL - some sand, well graded, gravel is 5 mm, angular to subrounded, dry				115
36					
37	SAND - some gravel, well graded, very fine to coarse sand, gravel is 5 mm, subrounded to subangular, dry				120
38	- trace gravel, damp, brown				125
39					
40	SAND and GRAVEL - well graded, very fine to coarse sand, gravel is 5 mm, subrounded to angular, dry				130
41					135
42					
43					140
44					144

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SAMPLE TYPE: DISTURBED | NO RECOVERY | SPT | A-CASING | SHELBY TUBE | CORE

BACKFILL TYPE: BENTONITE | PEA GRAVEL | SLOUGH | GROUT | DRILL CUTTINGS | SAND

Depth (m)	SOIL DESCRIPTION	SAMPLE TYPE	NOTES & COMMENTS	Monitoring well	Depth (ft)
44					145
45	SAND - fine to coarse sand, subrounded to subangular, dry, light brown				
46					150
47	GRAVEL - sandy, well graded, very fine to coarse sand, gravel is 5 mm, subangular to angular, dry				155
48	GRAVEL and SAND - well graded, very fine to coarse sand, gravel is 5 mm, subangular to angular, dry SAND - some silt, very fine to coarse sand, medium brown				160
49	SAND and GRAVEL - well graded, very fine to coarse sand, gravel is 5-10 mm, subrounded to subangular, dry				
50					165
51	- saturated				
52					170
53	END OF BOREHOLE @ 52.6 m				175
54	*NOTE: These logs reflect disturbed material recovered from drill return. Particle sizes and shapes (particularly gravel) are affected by drilling process. Cobbles and boulders if present are not indicated through this drilling method. Moisture content is effected by the use of air to recover drill material.*				
55					180
56					
57					185
58					190
59					
60					195
61					200
62					
63					205
64					210
65					
66					215 217