
APPENDIX F

BOREHOLE LOGS

Project No: 03-2374-1000

Project: Fort Providence Ferry Landings

Site Address:

Location: Fort Providence, NWT

Client: Government of Northwest Territories

Log of Borehole: BH-1

Drill Date: October 3, 2003

Dillon Personnel: Michael Gill

SUBSURFACE PROFILE				Sample		Soil Vapour Concentration		Well Data	Comments
Depth	Symbol	Description	Elevation (m)	Sample No#	Sample Type	Soil Vapour Concentration	Soil Vapour Concentration		
						100 PPM 300 500	5 ● %LEL ● 20 40 60 80 100		
0		Ground Surface	0						
1		CLAY Brown, dry clay with a trace of sand. Broken and loose.	-0.5	0.5					
2		CLAY Brown, dry, cohesive clay with a trace of gravel. Wet at 1.7 metres.		1					Backfill with clay.
3									
4									
5									
6			-1.8	2					
7		CLAY Black, wet clay. Organic material, such as decomposing roots.	-2						
8		End of Borehole							
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Contractor: Aboriginal Drilling

Drill Rig: B-61

Drill Method: Solid Stem Auger

Borehole Size: 15 cm

Surface Completion: Flush

Datum:

Checked By: DDB

Sheet: 1 of 1

Project No: 03-2374-1000

Project: Fort Providence Ferry Landings

Site Address:

Location: Fort Providence, NWT

Client: Government of Northwest Territories

Log of Borehole: BH-2

Drill Date: October 3, 2003

Dillon Personnel: Michael Gill

SUBSURFACE PROFILE				Sample		Soil Vapour Concentration	Soil Vapour Concentration	Well Data	Comments
Depth	Symbol	Description	Elevation (m)	Sample No#	Sample Type				
0		Ground Surface	0						
1		CLAY/SILT Brown, dry clay with a trace of gravel. Large boulder at 1.2 metres.	-0.5	0.5		75			Asphalt
2				1		50			
3									
4		CLAY Black, damp clay with a trace gravel. Organic matter present as decomposing roots.		2		25			
5									
6									
7									
8			-2.5	3		25			
9		CLAY Brown, dry, clay with a trace of gravel. Boulder/cobbles present at 2.5 metres.	-3						
10									
11		End of Borehole							
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Contractor: Aboriginal Drilling

Drill Rig: B-61

Drill Method: Solid Stem Auger

Borehole Size: 15 cm

Surface Completion: Paved

Datum:

Checked By: DDB

Sheet: 1 of 1

Project No: 03-2374-1000

Project: Fort Providence Ferry Landings

Site Address:

Location: Fort Providence, NWT

Client: Government of Northwest Territories

Log of Borehole: BH-3

Drill Date: October 3, 2003

Dillon Personnel: Michael Gill

SUBSURFACE PROFILE				Sample		Soil Vapour Concentration	Soil Vapour Concentration	Well Data	Comments
Depth	Symbol	Description	Elevation (m)	Sample No#	Sample Type				
0		Ground Surface	0						
1		CLAY Brown, dry clay with a trace of fine gravel. Large boulder at 1.2 metres.	-0.6	0.5	40				Asphalt
2		CLAY Black, damp clay. Organic matter present as decomposing roots, and strong decaying smell.	-1.5	1	35				Backfill with clay.
3				1.5	35				
4				2.0	25				
5				2.5	30				
6		CLAY Brown, damp, tight, cohesive clay with a trace of fine gravel.	-3	3	50				
7									
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10		End of Borehole							
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Contractor: Aboriginal Drilling

Drill Rig: B-61

Drill Method: Solid Stem Auger

Borehole Size: 15 cm

Surface Completion: Paved

Datum:

Checked By: DDB

Sheet: 1 of 1

Project No: 03-2374-1000

Project: Fort Providence Ferry Landings

Site Address:

Location: Fort Providence, NWT

Client: Government of Northwest Territories

Log of Borehole: BH-4

Drill Date: October 3, 2003

Dillon Personnel: Michael Gill

SUBSURFACE PROFILE				Sample		Soil Vapour Concentration	Soil Vapour Concentration	Well Data	Comments		
Depth	Symbol	Description	Elevation (m)	Sample No#	Sample Type					100 PPM 300 500	5 20 40 60 80 100 %LEL
0	0	Ground Surface	0								
1		GRAVELLY CLAY Brown, dry cohesive gravelly clay.		0.5	Jar	40			Asphalt		
2				1		35					
3	1			1.5		35					
4				2.0		25					
5		CLAY Brown, blue, tight, cohesive clay with a trace of gravel. Tighter from 4 - 4.5 metres.	-2	2.5		30				Backfill with clay.	
6	2			3		50					
7				3.5							
8				4							
9				4.5							
10	3			5.0							
11		CLAY Brown, dry, very tight (hard drilling), clay with a trace of fine gravel.	-4.5	5.5							
12				6	Jar						
13	4										
14			-6								
15	5										
16											
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19											
20	6										

Contractor: Aboriginal Drilling

Drill Rig: B-61

Drill Method: Solid Stem Auger

Borehole Size: 15 cm

Surface Completion: Paved

Datum:

Checked By: DDB

Sheet: 1 of 1

Project No: 03-2374-1000

Project: Fort Providence Ferry Landings

Site Address:

Location: Fort Providence, NWT

Client: Government of Northwest Territories

Log of Borehole: BH-5

Drill Date: October 3, 2003

Dillon Personnel: Michael Gill

SUBSURFACE PROFILE				Sample		Soil Vapour Concentration	Soil Vapour Concentration	Well Data	Comments
Depth	Symbol	Description	Elevation (m)	Sample No#	Sample Type				
						100 PPM 300 500	5 ● %LEL ● 20 40 60 80 100		
0		Ground Surface	0						
0.3				0.3 B/J		75			
1				1 Bag		70			
2									
3									
4									
5				2 Bag		70			
6									
7									
8									
9				3 B/J		65			
10			-3						
11		End of Borehole							
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Contractor: Aboriginal Drilling

Drill Rig: B-61

Drill Method: Solid Stem Auger

Borehole Size: 15 cm

Surface Completion: Flush

Datum:

Checked By: DDB

Sheet: 1 of 1

Project No: 03-2374-1000

Project: Fort Providence Ferry Landings

Site Address:

Location: Fort Providence, NWT

Client: Government of Northwest Territories

Log of Borehole: BH-6

Drill Date: October 3, 2003

Dillon Personnel: Michael Gill

SUBSURFACE PROFILE				Sample		Soil Vapour Concentration	Soil Vapour Concentration	Well Data	Comments
Depth	Symbol	Description	Elevation (m)	Sample No#	Sample Type				
0		Ground Surface	0						
0.3		CLAY/SILT Brown, dry, broken clay/silt with a trace of gravel. Suspicious odours, most likely decomposing organic material.	-1.5	0.3	Jar	110			Backfill with clay.
0.5				0.5		10			
1.0				1.0		25			
1.5				1.5		25			
2.0		SAND Brown/grey medium grained wet sand with a trace of silt. Suspicious odours, most likely from decomposing organic material.	-2.5	2	Jar	140			
2.5				2.5		60			
3.0		CLAY Brown, dry, very tight (hard drilling), clay with a trace of fine gravel.	-3	3	Jar	75			
3.5									
4.0		End of Borehole							
4.5									
5.0									
5.5									
6.0									

Contractor: Aboriginal Drilling

Drill Rig: B-61

Drill Method: Solid Stem Auger

Borehole Size: 15 cm

Surface Completion: Flush

Datum:

Checked By: DDB

Sheet: 1 of 1

Project No: 03-2374-1000

Project: Fort Providence Ferry Landings

Site Address:

Location: Fort Providence, NWT

Client: Government of Northwest Territories

Log of Borehole: BH-7

Drill Date: October 3, 2003

Dillon Personnel: Michael Gill

SUBSURFACE PROFILE				Sample		Soil Vapour Concentration		Well Data	Comments
Depth	Symbol	Description	Elevation (m)	Sample No#	Sample Type	Soil Vapour Concentration	Soil Vapour Concentration		
						100 PPM 300 500	5 20 40 60 80 100 %LEL		
0	0	Ground Surface	0						
1		CLAY Brown, dry, clay with a trace of fine gravel. Boulders at 0.5 metres.		0.3 Jar		110			
2				0.5		35			
3			-0.7	1.0					
4				1.5		35			
5				2 Jar		50			
6		CLAY Brown, dry, cohesive, clay with a trace of fine gravel. Decomposing organic odours at 1.5 metres. Black discoloration and wooden debris from 1.5 to 3.6 metres.		2.5		35			
7				3		35			
8				3.6 Jar		40			
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12			-3.6						
13		End of Borehole							
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Contractor: Aboriginal Drilling

Drill Rig: B-61

Drill Method: Solid Stem Auger

Borehole Size: 15 cm

Surface Completion: Flush

Datum:

Checked By: DDB

Sheet: 1 of 1

Project No: 03-2374-1000

Project: Fort Providence Ferry Landings

Site Address:

Location: Fort Providence, NWT

Client: Government of Northwest Territories

Log of Borehole: BH-8

Drill Date: October 3, 2003

Dillon Personnel: Michael Gill

SUBSURFACE PROFILE				Sample		Soil Vapour Concentration	Soil Vapour Concentration	Well Data	Comments
Depth	Symbol	Description	Elevation (m)	Sample No#	Sample Type				
0		Ground Surface	0						
0.3		SAND		0.3 J/B					
0.5		Brown, dry, medium-grained gravelly sand.		0.5 Bag					
0.7			-0.7						
1.0				1.0					
1.0		CLAY							
1.0		Brown, dry, clay with a trace of fine gravel.		2 Jar					
2.0			-2						
2.0		End of Borehole							
3.0									
4.0									
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Contractor: Aboriginal Drilling

Drill Rig: B-61

Drill Method: Solid Stem Auger

Borehole Size: 15 cm

Surface Completion: Flush

Datum:

Checked By: DDB

Sheet: 1 of 1

Project No: 03-2374-1000

Project: Fort Providence Ferry Landings

Site Address:

Location: Fort Providence, NWT

Client: Government of Northwest Territories

Log of Borehole: BH-9

Drill Date: October 3, 2003

Dillon Personnel: Michael Gill

SUBSURFACE PROFILE				Sample		Soil Vapour Concentration		Well Data	Comments
Depth	Symbol	Description	Elevation (m)	Sample No#	Sample Type	Soil Vapour Concentration	Soil Vapour Concentration		
						PPM	%LEL		
						100 300 500	20 40 60 80 100		
0		Ground Surface	0						
0		SAND		0.3	Jar	10			Asphalt
1		Brown, dry, medium-grained gravelly sand.	-0.4	0.5		35			
2				1.0		35			
3		CLAY		1.5		50			
4		Brown, dry, tight clay with some gravel.	-1.6	2		60			Backfill with clay.
5				2.5		60			
6				3	Jar	30			
7				3.5		30			
8				4		30			
9				4.5		35			
10				5		25			
11				5.5		35			
12				6	Jar	50			
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Contractor: Aboriginal Drilling

Drill Rig: B-61

Drill Method: Solid Stem Auger

Borehole Size: 15 cm

Surface Completion: Flush

Datum:

Checked By: DDB

Sheet: 1 of 1

Project No: 03-2374-1000

Project: Fort Providence Ferry Landings

Site Address:

Location: Fort Providence, NWT

Client: Government of Northwest Territories

Log of Borehole: BH-10

Drill Date: October 3, 2003

Dillon Personnel: Michael Gill

SUBSURFACE PROFILE				Sample		Soil Vapour Concentration		Well Data	Comments
Depth	Symbol	Description	Elevation (m)	Sample No#	Sample Type	Soil Vapour Concentration	Soil Vapour Concentration		
						100 PPM 300 500	5 ● %LEL ● 20 40 60 80 100		
0		Ground Surface	0						
1		SAND Brown, dry, gravelly sand. May be due to rock crushed by drilling.		0.3 Jar					
2				0.5					
3			-1	1.0					
4		CLAY/SILT Brown, dry, clay/silt with some gravel.		1.5					
5			-1.6						
6		CLAY/SILT Black, wet, clay/silt with a trace of fine gravel. Organic debris (roots).		2					
7			-2						
8		CLAY/SILT Brown, moist, clay/silt with a trace of fine gravel.		2.5					
9			-2.8						
10		CLAY/SILT Black/brown, wet silt with a trace of gravel. An abundance of damp and elastic organic material.		3 Jar					
11			-3						
12		End of Borehole							
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Contractor: Aboriginal Drilling

Drill Rig: B-61

Drill Method: Solid Stem Auger

Borehole Size: 15 cm

Surface Completion: Flush

Datum:

Checked By: DDB

Sheet: 1 of 1

Project No: 03-2374-1000

Project: Fort Providence Ferry Landings

Site Address:

Location: Fort Providence, NWT

Client: Government of Northwest Territories

Log of Borehole: BH-11

Drill Date: October 3, 2003

Dillon Personnel: Michael Gill

SUBSURFACE PROFILE				Sample									
Depth	Symbol	Description	Elevation (m)	Sample No#	Sample Type	Soil Vapour Concentration			Soil Vapour Concentration			Well Data	Comments
						100	PPM 300	500	5	%LEL	20		
0	0	Ground Surface	0										
1		GRAVEL Brown, dry, fine-grained, sandy gravel	-0.5	0.3 Jar	25								Backfill with clay.
2				0.5	25								
3	1			1.0	10								
4				1.5	25								
5		SILT Brown, dry, silt with a trace of gravel.		2	25								
6				2.5	60								
7	2			2.7	35								
8			-2.7	3 Jar									
9		SILT Black/blue, wet silt with a trace of gravel. Organic.	-3										
10	3	End of Borehole											
11													
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13	4												
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16	5												
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19	6												

Contractor: Aboriginal Drilling

Drill Rig: B-61

Drill Method: Solid Stem Auger

Borehole Size: 15 cm

Surface Completion: Flush

Datum:

Checked By: DDB

Sheet: 1 of 1

Dillon Personnel: Michael Gill

Sheet: 1 of 1

Project No: 03-2374-1000

Project: Fort Providence Ferry Landings

Site Address:

Location: Fort Providence, NWT

Client: Government of Northwest Territories

Log of Borehole: BH-13

Drill Date: October 3, 2003

Dillon Personnel: Michael Gill

SUBSURFACE PROFILE				Sample		Soil Vapour Concentration		Well Data	Comments
Depth	Symbol	Description	Elevation (m)	Sample No#	Sample Type	Soil Vapour Concentration	Soil Vapour Concentration		
						100 PPM 300 500	5 ● %LEL ● 20 40 60 80 100		
0		Ground Surface	0						
0		SAND		0.3 Jar	5				
1		Brown, dry, fine-grained sand with a trace of gravel.	-0.4	0.5	10				
2		Suspicious odours, possibly from decomposing organic matter.		1.0	25				
3				1.5	20				
4				2	20				
5		SILT		2.5	25				
6		Brown, dry, very tight, very stiff silt/clay with a trace of gravel.		3 Jar	25				
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10		End of Borehole	-3						
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Contractor: Aboriginal Drilling

Drill Rig: B-61

Drill Method: Solid Stem Auger

Borehole Size: 15 cm

Surface Completion: Flush

Datum:

Checked By: DDB

Sheet: 1 of 1