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

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

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:

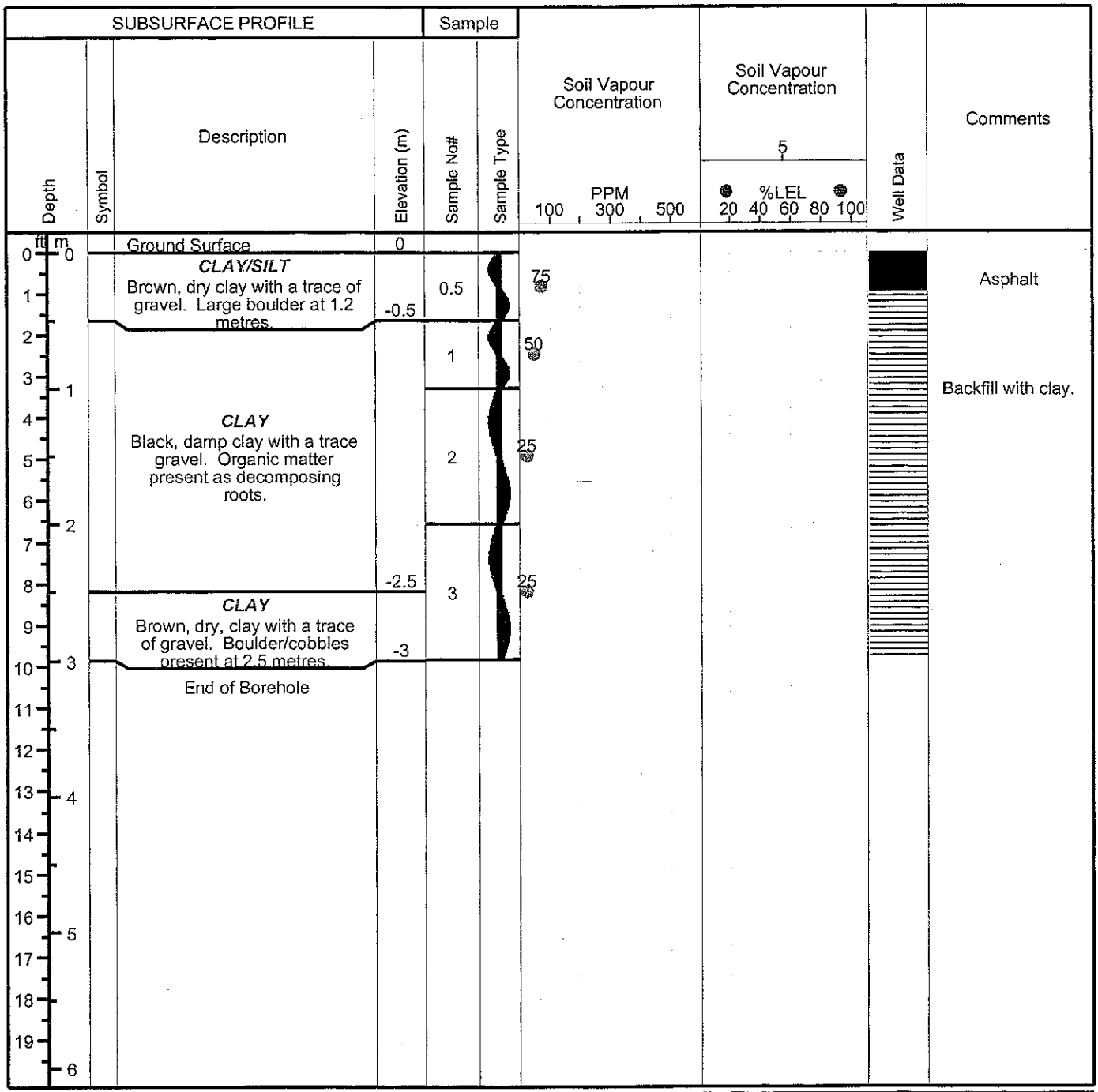
Location: Fort Providence, NWT

Client: Government of Northwest Territories

Log of Borehole: BH-2

Drill Date: October 3, 2003

Dillon Personnel: Michael Gill



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

Depth (ft / m)	Symbol	Description	Elevation (m)	Sample No#	Sample Type	Soil Vapour Concentration (PPM: 100, 300, 500)	Soil Vapour Concentration (%LEL: 5; 20, 40, 60, 80, 100)	Well Data	Comments
0 / 0		Ground Surface	0						
0–2 / 0–0.6		***CLAY*** Brown, dry clay with a trace of fine gravel. Large boulder at 1.2 metres.	-0.6	0.5		40			Asphalt
2–5 / 0.6–1.5		***CLAY*** Black, damp clay. Organic matter present as decomposing roots, and strong decaying smell.	-1.5	1		35			Backfill with clay.
				1.5		35			
5–10 / 1.5–3		***CLAY*** Brown, damp, tight, cohesive clay with a trace of fine gravel.	-3	2.0		25			
				2.5		30			
				3		50			
10 / 3		End of Borehole							

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

Depth (ft / m)	Symbol	Description	Elevation (m)	Sample No#	Sample Type	Soil Vapour Concentration (PPM: 100, 300, 500)	Soil Vapour Concentration (%LEL: 5; 20, 40, 60, 80, 100)	Well Data	Comments
0 / 0		Ground Surface	0						
1				0.5 Jar		40			Asphalt
2				1		35			
3 / 1		***GRAVELLY CLAY*** Brown, dry cohesive gravelly clay.							Backfill with clay.
4				1.5		35			
5				2.0		25			
6 / 2			-2						
7				2.5		30			
8				3		50			
9									
10 / 3		***CLAY*** Brown, blue, tight, cohesive clay with a trace of gravel. Tighter from 4 - 4.5 metres.		3.5					
11									
12				4					
13 / 4									
14				4.5					
15			-4.5						
16				5.0					
17 / 5		***CLAY*** Brown, dry, very tight (hard drilling), clay with a trace of fine gravel.							
18				5.5					
19				6 Jar					
6			-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

Depth (ft / m)	Symbol	Description	Elevation (m)	Sample No#	Sample Type	Soil Vapour Concentration (PPM: 100, 300, 500)	Soil Vapour Concentration (%LEL: 5; 20, 40, 60, 80, 100)	Well Data	Comments
0 / 0		Ground Surface	0						
				0.3 B/J		75			
1				1 Bag		70			Backfill with clay.
2 / 1		***CLAY/SILT*** Brown, damp, cohesive clay/silt with a trace of gravel.		2 Bag		70			
3				3 B/J		65			
10 / 3			-3						
		End of Borehole							
4									
5									
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

Project No: 03-2374-1000

Project: Fort Providence Ferry Landings

Site Address:

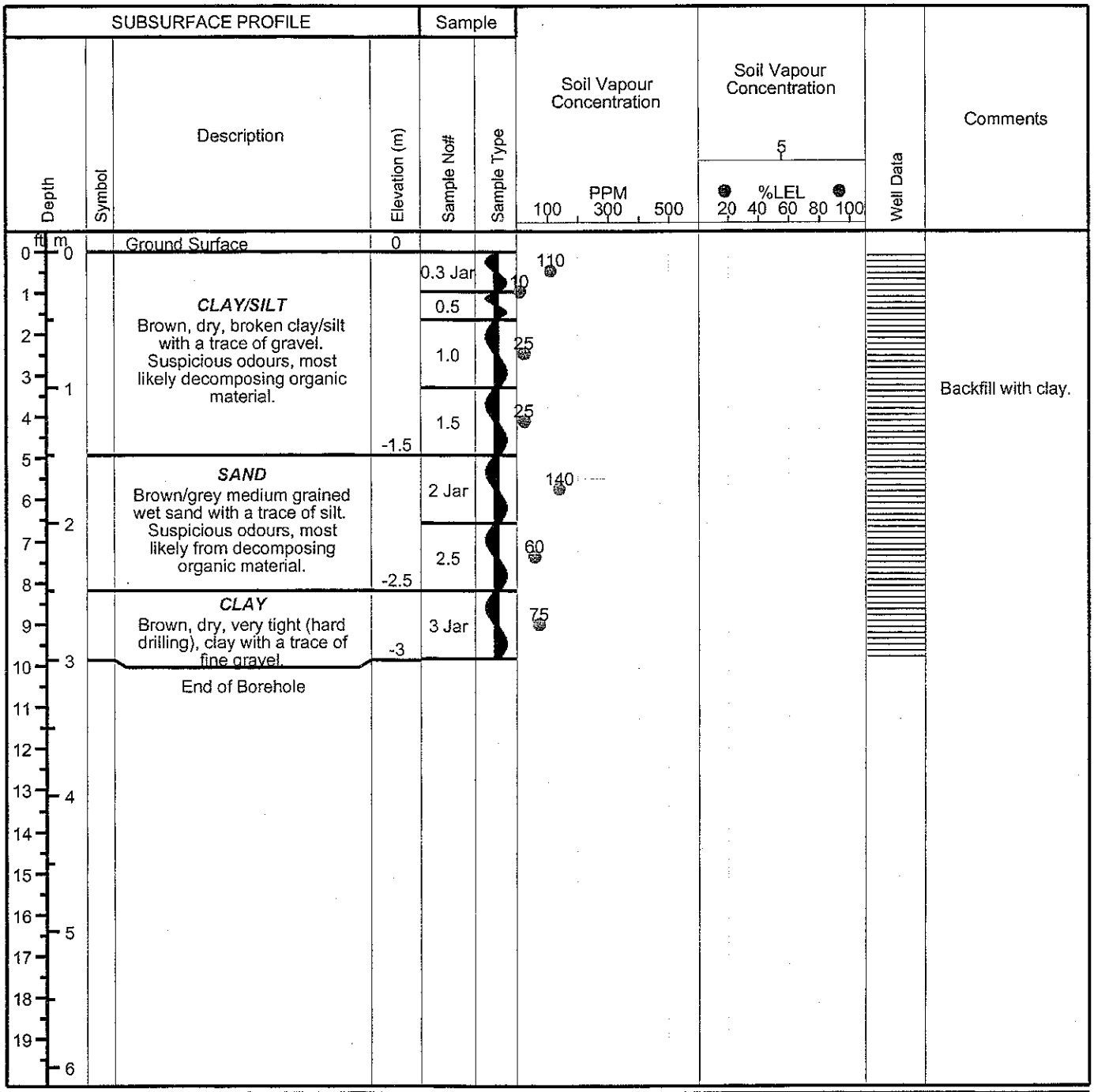
Location: Fort Providence, NWT

Client: Government of Northwest Territories

Log of Borehole: BH-6

Drill Date: October 3, 2003

Dillon Personnel: Michael Gill



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:

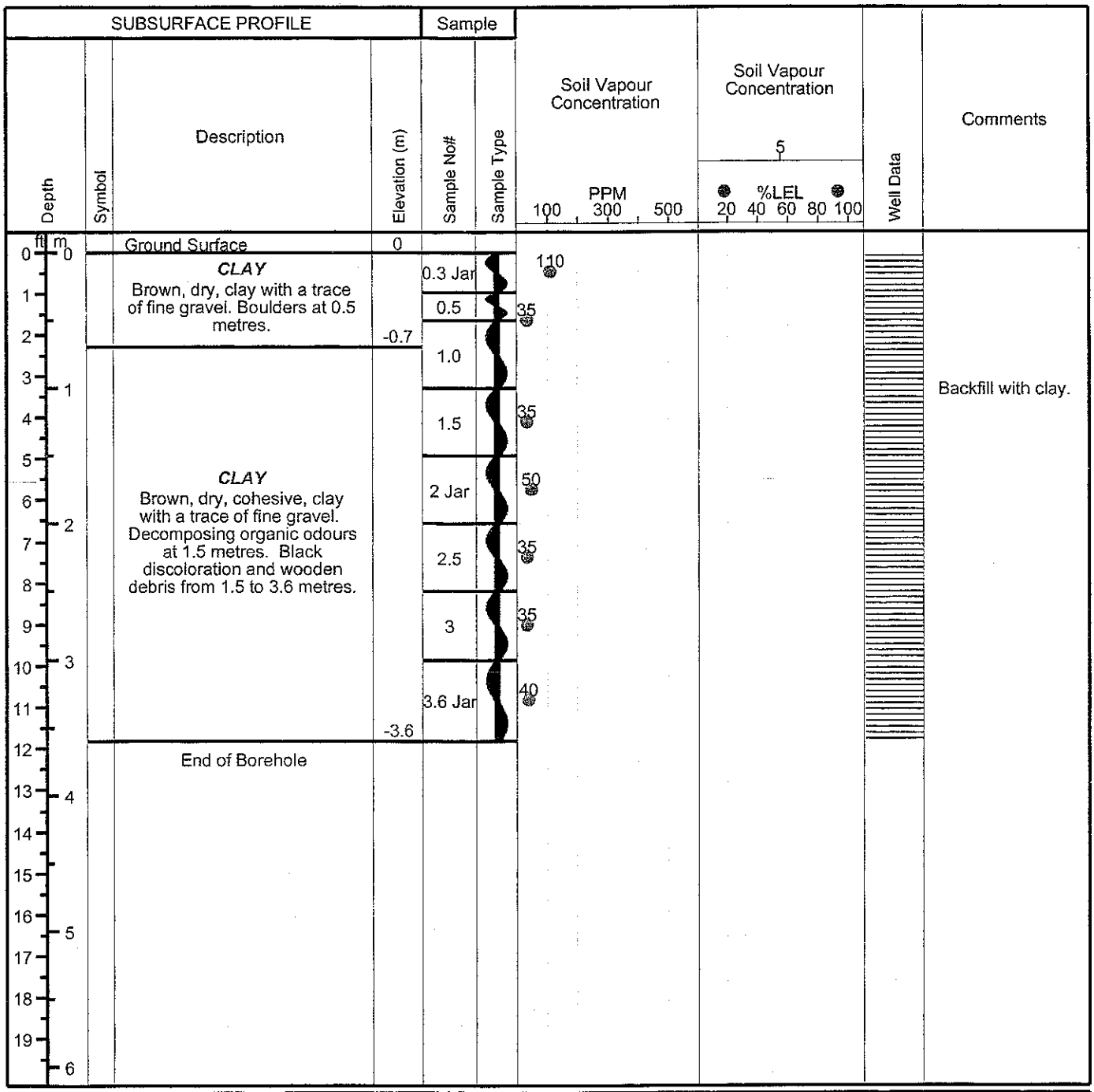
Location: Fort Providence, NWT

Client: Government of Northwest Territories

Log of Borehole: BH-7

Drill Date: October 3, 2003

Dillon Personnel: Michael Gill



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:

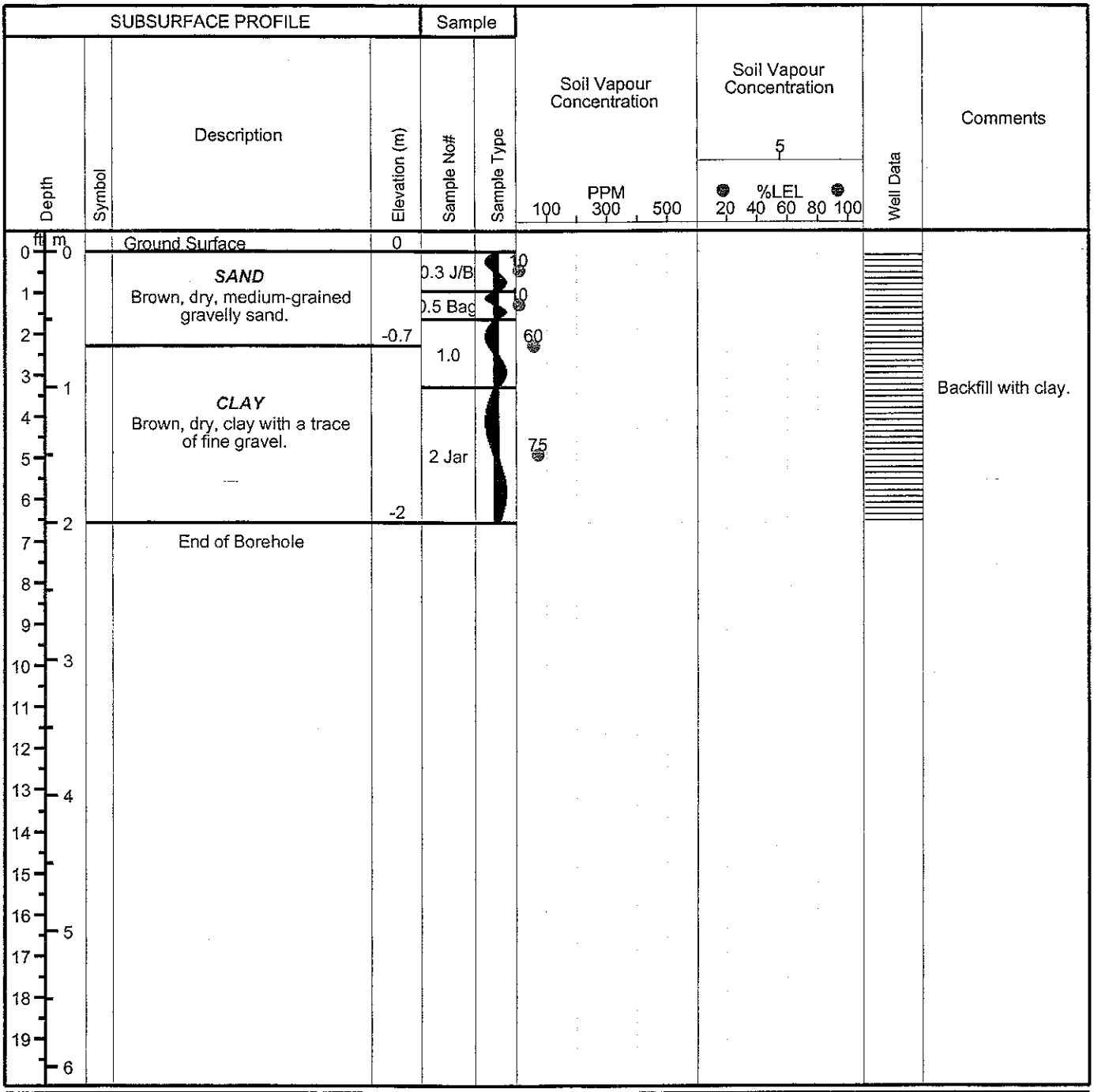
Location: Fort Providence, NWT

Client: Government of Northwest Territories

Log of Borehole: BH-8

Drill Date: October 3, 2003

Dillon Personnel: Michael Gill



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:

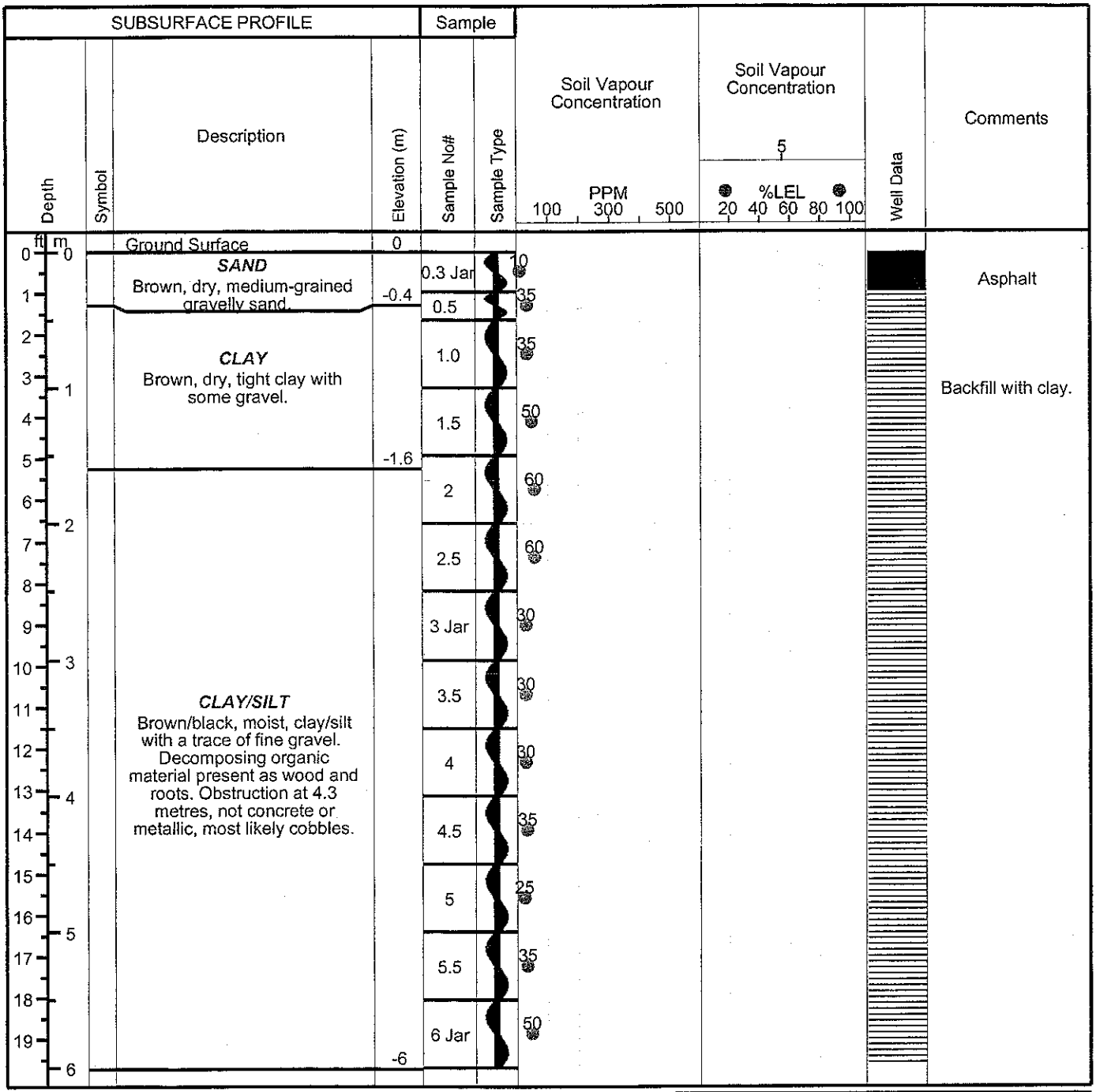
Location: Fort Providence, NWT

Client: Government of Northwest Territories

Log of Borehole: BH-9

Drill Date: October 3, 2003

Dillon Personnel: Michael Gill



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

Depth (ft / m)	Description	Elevation (m)	Sample No#	Sample Type	Soil Vapour Concentration (PPM: 100, 300, 500)	Soil Vapour Concentration (%LEL: 5; 20, 40, 60, 80, 100)	Well Data	Comments
0 / 0	Ground Surface	0						
	SAND Brown, dry, gravelly sand. May be due to rock crushed by drilling.		0.3 Jar		30			
			0.5		30			
			1.0		25			
3 / 1		-1						Backfill with clay.
	CLAY/SILT Brown, dry, clay/silt with some gravel.		1.5		25			
		-1.6						
	CLAY/SILT Black, wet, clay/silt with a trace of fine gravel. Organic debris (roots).	-2	2		50			
	CLAY/SILT Brown, moist, clay/silt with a trace of fine gravel.		2.5		35			
		-2.8	3 Jar		100			
	CLAY/SILT Black/brown, wet silt with a trace of gravel. An abundance of damp and elastic organic material.	-3						
10 / 3	End of Borehole							
13 / 4								
16 / 5								
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

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 (ft / m)	Symbol	Description	Elevation (m)	Sample No#	Sample Type	Soil Vapour Concentration PPM (100 300 500)	Soil Vapour Concentration %LEL (20 40 60 80 100)	Well Data	Comments
0 / 0		Ground Surface	0						
		GRAVEL Brown, dry, fine-grained, sandy gravel		0.3 Jar		25			
1			-0.5	0.5		25			
2				1.0		10			
3 / 1				1.5		25			Backfill with clay.
4		***SILT*** Brown, dry, silt with a trace of gravel.							
5				2		25			
6 / 2				2.5		60			
7									
8			-2.7	3 Jar		35			
9		***SILT*** Black/blue, wet silt with a trace of gravel. Organic.	-3						
10 / 3		End of Borehole							
11									
12									
13 / 4									
14									
15									
16 / 5									
17									
18									
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

Project No: 03-2374-1000

Project: Fort Providence Ferry Landings

Site Address:

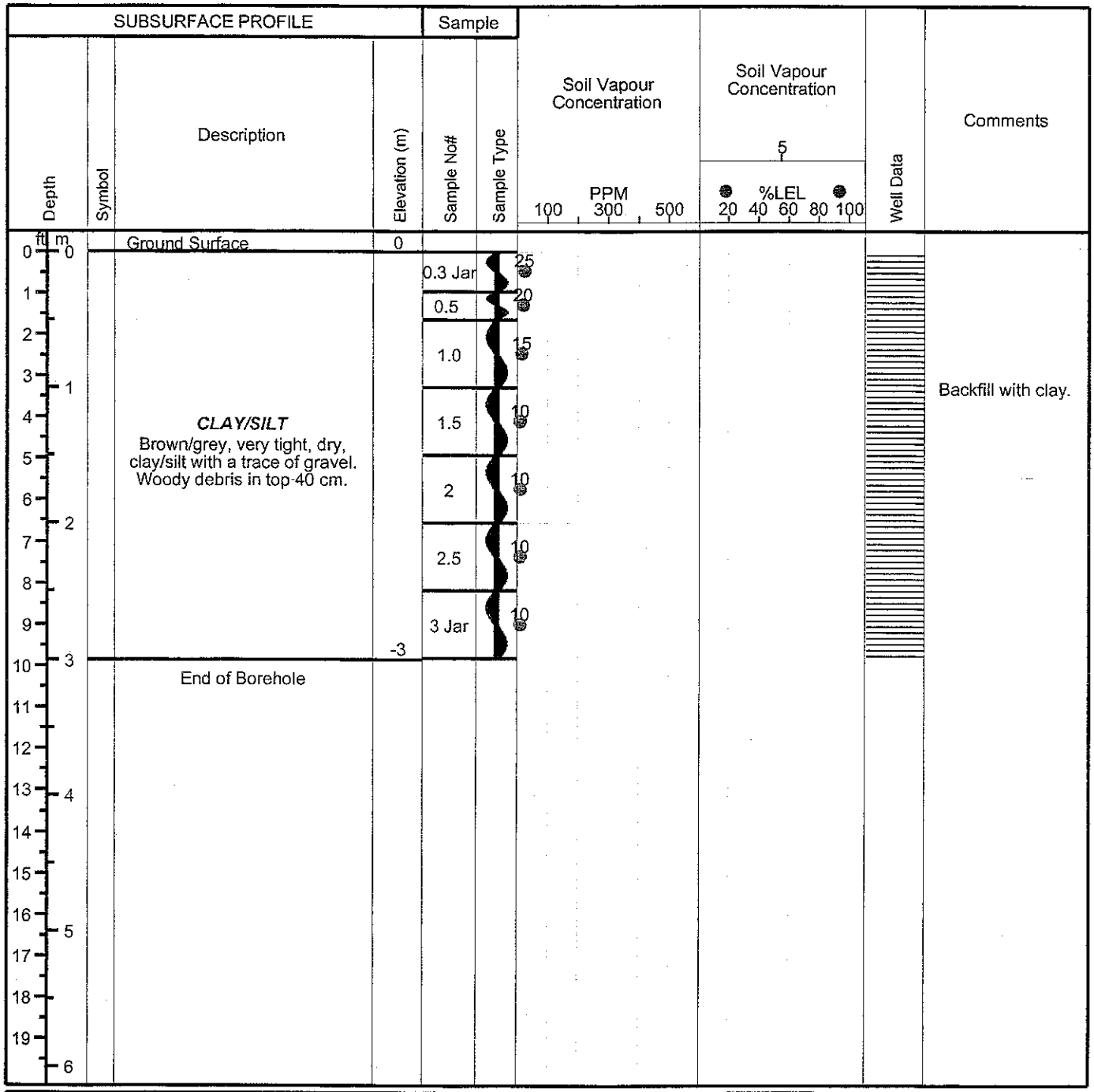
Location: Fort Providence, NWT

Client: Government of Northwest Territories

Log of Borehole: BH-12

Drill Date: October 3, 2003

Dillon Personnel: Michael Gill



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-13

Drill Date: October 3, 2003

Dillon Personnel: Michael Gill

Depth (ft / m)	Symbol	Description	Elevation (m)	Sample No#	Sample Type	Soil Vapour Concentration (PPM: 100, 300, 500)	Soil Vapour Concentration (%LEL: 5; 20, 40, 60, 80, 100)	Well Data	Comments
0 / 0		Ground Surface	0						
0 – 1 / 0		***SAND*** Brown, dry, fine-grained sand with a trace of gravel. Suspicious odours, possibly from decomposing organic matter.	-0.4	0.3 Jar			5		
1 – 2 / 0				0.5			10		
2 – 3 / 1				1.0			25		
3 – 4 / 1				1.5			20		Backfill with clay.
4 – 5 / 1									
5 – 6 / 2		***SILT*** Brown, dry, very tight, very stiff silt/clay with a trace of gravel.		2			20		
6 – 7 / 2				2.5			25		
7 – 8 / 2									
8 – 9 / 2				3 Jar			25		
9 – 10 / 3			-3						
10 / 3		End of Borehole							
11 – 13 / 3 – 4									
13 – 16 / 4 – 5									
16 – 19 / 5 – 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