AECOM Imagine it. Delivered.

Appendix A

Historical Site Maps, Borehole Logs Adjacent to FTA, and Historical Groundwater Elevations

Source: © 2013 - TerraServer®; Basemap: ESRI Basemap and data, accessed 2013; Coordinate System: NAD 1983 UTM Zone 19N

figure 1

SITE LOCATION MAP
PRE-EXISTING ENVIRONMENTAL
CONTAMINATION MANAGEMENT PLAN
IQALUIT INTERNATIONAL AIRPORT
Iqaluit, Nunavut

082415-00(004)GIS-OT001 August 30, 2013

0 80 160 240m

SCALE=1:8000

APRON 1
ABANDONED HYDRANT
AND DISTRIBUTION
SYSTEM

FEDERAL ROAD

NORTH COMMERCIAL ROAD

KEEWATIN AIR

NUNAVUT
ARCTIC COLLEGE

NUNAVUT
PUBLIC
WORKS

DND (T-325)

FORMER BRADLEY AIR SERVICES BUILDING
(T-326)

STORAGE SHED
(T-25)

APRON II

UQSUQ
(T-75)

FIRST AIR
CARGO HANGAR
(T-72)

FORMER ASPHALT PLANT AND DRUM CACHES

CANADIAN NORTH

LAND TREATMENT UNIT 2

FORMER LAND TREATMENT UNIT 3

APRON I

BURIED ASBESTOS WASTE
(ESTIMATED AREA)

TAXI-A

NEW TAXIWAY A ALIGNMENT

TAXIWAY G REALIGNMENT

TAXI-B

FORMER USAF
TANK FARM

APRON IIII

AIR TERMINAL
BUILDING

TAXI-C

TAXI-D

RUNWAY 18-36

LAND TREATMENT UNIT 1

LAND TREATMENT UNIT 4

FORMER FIRE TRAINING AREA (FTA)

AIRSIDE REFUELING AREA

TAXI-E

APRON IV

FIELD ELECTRICAL CENTRE
(T-116)

STORAGE FACILITY
(T-120)

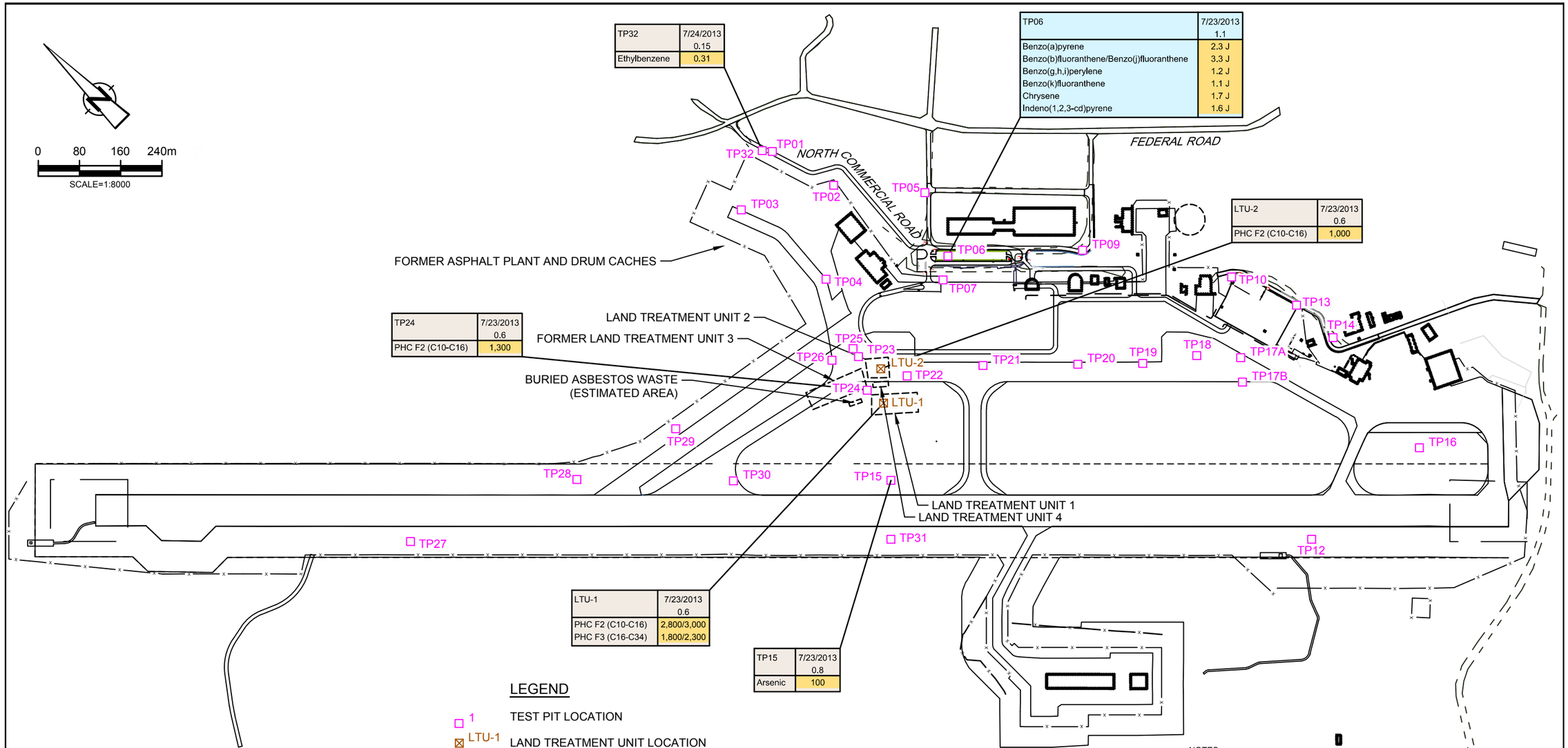
LEGEND

AREA OF KNOWN OR POTENTIAL ENVIRONMENTAL IMPACT WITHIN
AREA OF PROPOSED AIRPORT IMPROVEMENT CONSTRUCTION ACTIVITIES

NOTES: 1) THE LOCATIONS OF BUILDINGS T-25 AND T-120 ARE APPROXIMATE.
2) LOCATIONS OF LTU1, LTU2 AND LTU3 ARE APPROXIMATE AND ARE BASED ON THE PHASE II ESA REPORT FOR THE IQALUIT LANDFARM MAINTENANCE (QIKIQTAALUK ENVIRONMENTAL, 2013)

figure 2

SITE PLAN AND AREAS OF KNOWN OR POTENTIAL ENVIRONMENTAL IMPACT
PRE-EXISTING ENVIRONMENTAL CONTAMINATION MANAGEMENT PLAN
IQALUIT INTERNATIONAL AIRPORT
Iqaluit, Nunavut



LEGEND

- TEST PIT LOCATION
- LAND TREATMENT UNIT LOCATION

TP32	7/23/2013	SAMPLE IDENTIFICATION
	0.15	SAMPLE DATE
Ethylbenzene	0.31	SAMPLE DEPTH (mBGS) / CONCENTRATION

- PARAMETER
- EXCEEDANCE
- GROUNDWATER SAMPLE
- SOIL SAMPLE
- J — ANALYTE CONCENTRATION IS ESTIMATED

CRITERIA TABLE

PARAMETER	UNITS	SOIL STANDARDS	GROUNDWATER STANDARDS
Arsenic (1)	µg/g	12	- -
Benzo(a)pyrene (3)	µg/L	- -	0.81
Benzo(b)fluoranthene/Benzo(j)fluoranthene (3)	µg/L	- -	0.75
Benzo(g,h,i)perylene (3)	µg/L	- -	0.2
Benzo(k)fluoranthene (3)	µg/L	- -	0.4
Chrysene (3)	µg/L	- -	1
Ethylbenzene (1)	µg/g	0.082	- -
Indeno(1,2,3-cd)pyrene (3)	µg/L	- -	0.2
PHC F2 (C10-C16) (2)	µg/g	260	- -
PHC F3 (C16-C34) (2)	µg/g	1,700	- -

NOTES:

1. SOIL QUALITY GUIDELINES FOR THE PROTECTION OF ENVIRONMENT AND HUMAN HEALTH (TIER 1 INDUSTRIAL), CANADIAN COUNCIL OF MINISTERS OF THE ENVIRONMENT (1997, UPDATED 2011).
2. ENVIRONMENTAL GUIDELINE FOR CONTAMINATED SITE REMEDIATION (TIER 1 INDUSTRIAL FOR COARSE-GRAINED SOIL), DEPARTMENT OF ENVIRONMENT, GOVERNMENT OF NUNAVUT (2009).
3. SOIL, GROUNDWATER AND SEDIMENT STANDARDS FOR USE UNDER PART XV.1 OF THE ENVIRONMENTAL PROTECTION ACT (ONTARIO MOE, 2011), TABLE 3: FULL DEPTH GENERIC SITE CONDITION STANDARDS IN A NON-POTABLE GROUNDWATER CONDITION.

figure 3

SOIL AND GROUNDWATER EXCEEDANCES
PRE-EXISTING ENVIRONMENTAL CONTAMINATION MANAGEMENT PLAN
IQALUIT INTERNATIONAL AIRPORT
Iqaluit, Nunavut

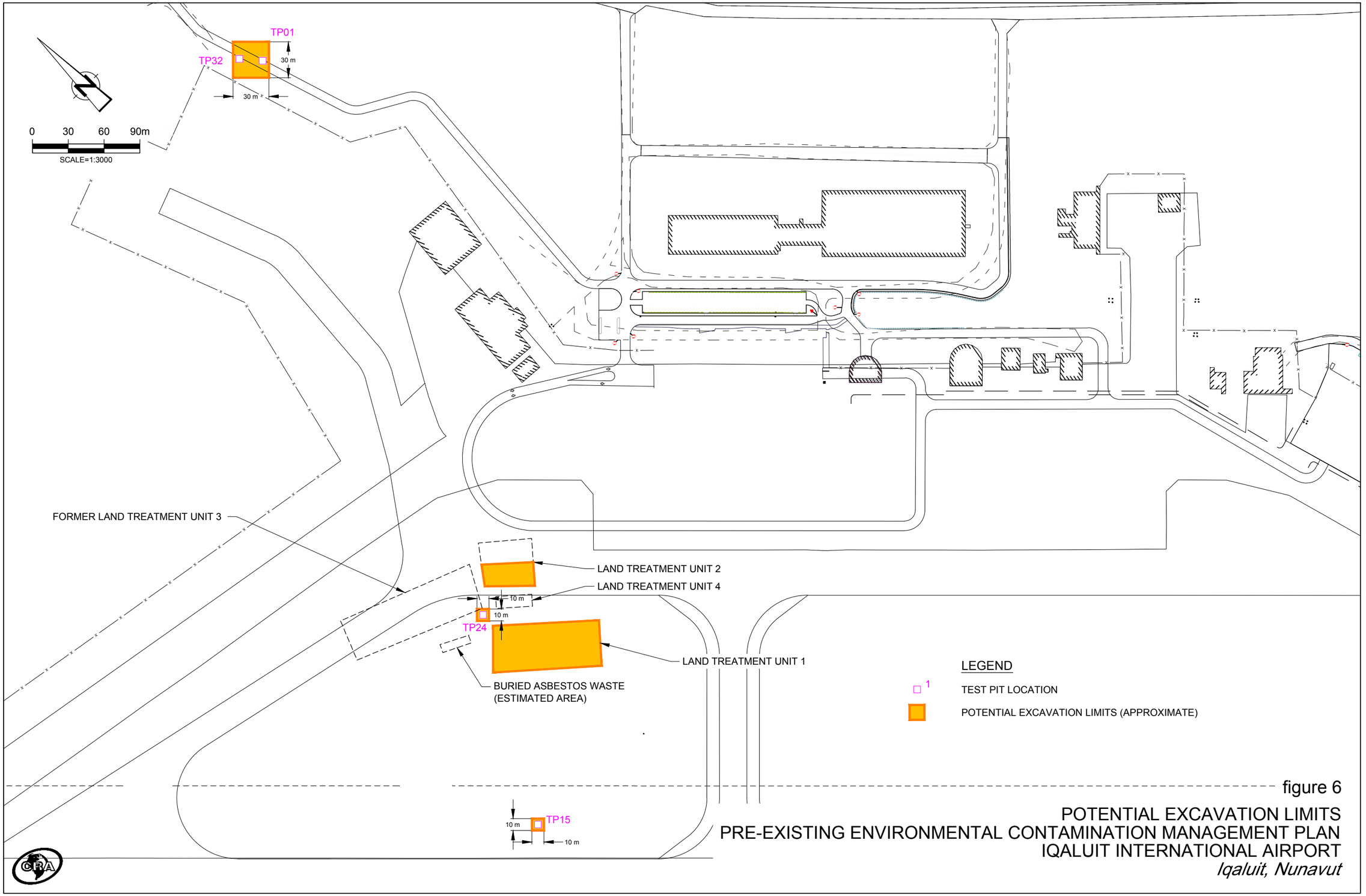
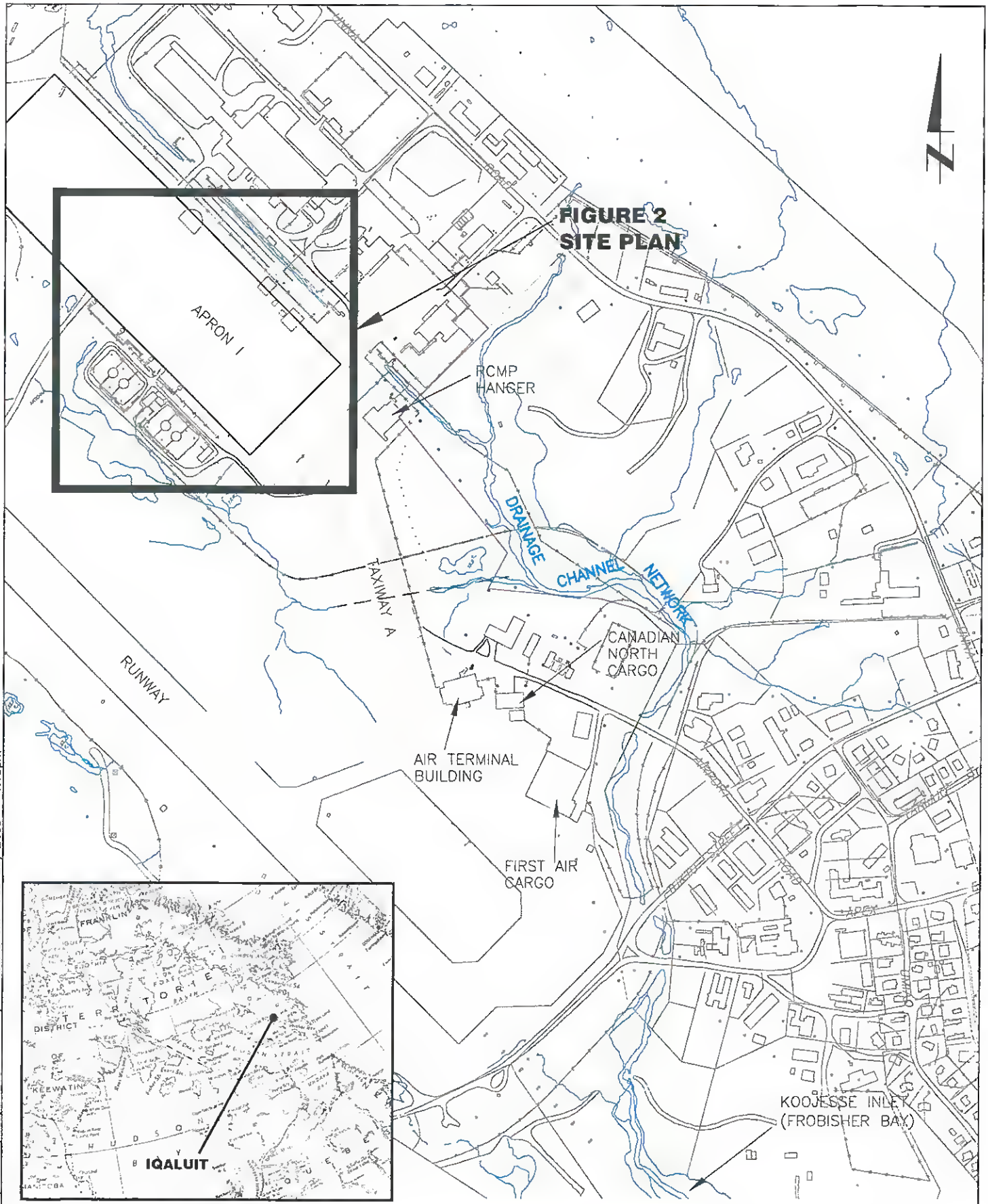


figure 6

POTENTIAL EXCAVATION LIMITS
PRE-EXISTING ENVIRONMENTAL CONTAMINATION MANAGEMENT PLAN
IQALUIT INTERNATIONAL AIRPORT

Iqaluit, Nunavut

82415-00(004)GN-WA005 MAY 15/2014

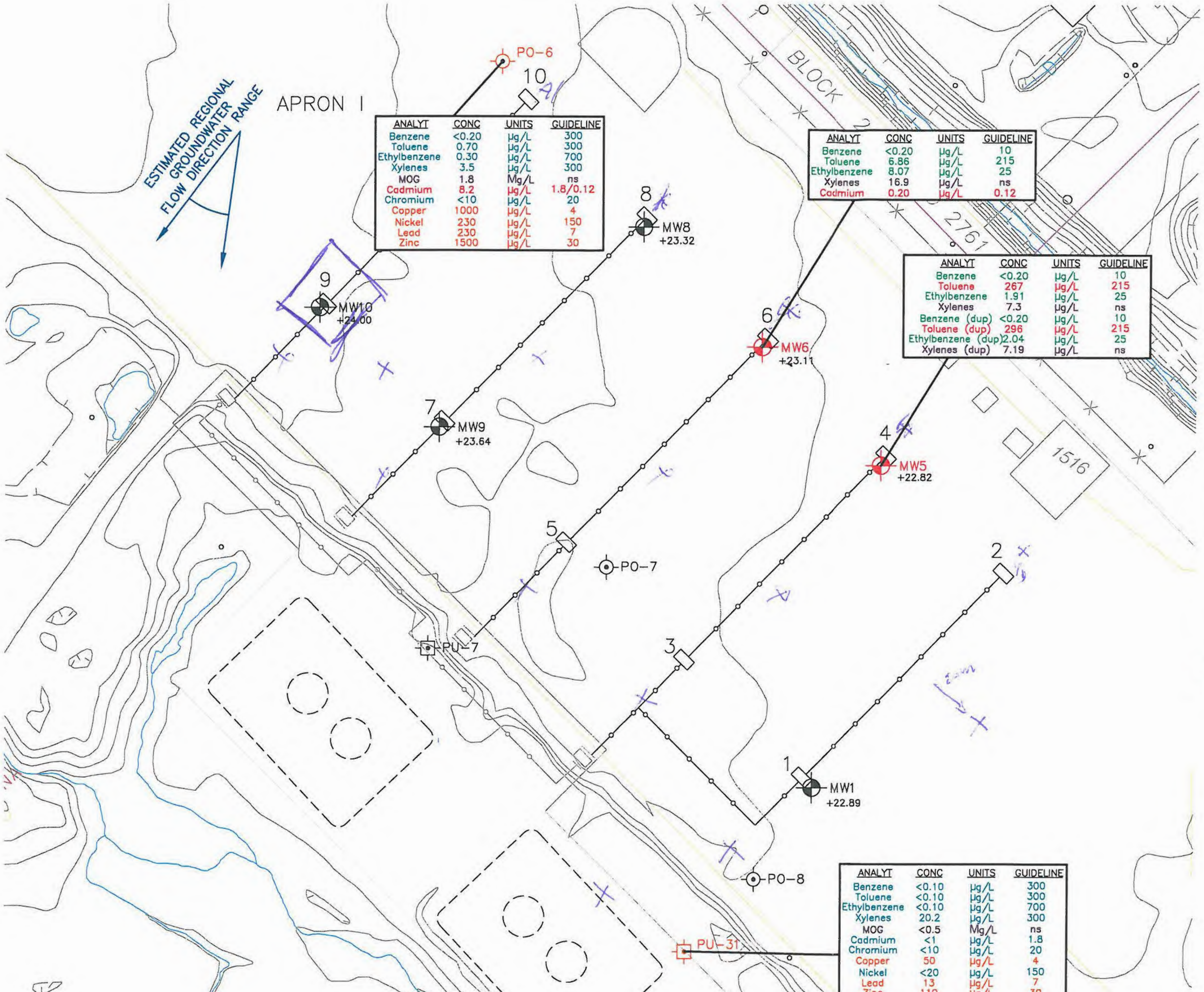


KEY PLAN
(N.T.S.)

0 250
SCALE IN METRES

DILLON CONSULTING	CLIENT: TRANSPORT CANADA	PROJECT: ENVIRONMENTAL SITE ASSESSMENT APRON I	DILLON PROJECT NUMBER: 043730	FINAL
		TITLE: IQALUIT AIRPORT LOCATION MAP	DILLON FIGURE NUMBER: 1	
			SCALE: 1:6250	DATE: FEB 2005
				REVISION: –

File Location: G:\CAD\043730\Final Report\FIG 1-Dec04.dwg – Plotted on: Feb 23, 2005 – 4:10pm



ANALYT	CONC	UNITS	GUIDELINE
Benzene	<0.20	µg/L	300
Toluene	0.70	µg/L	300
Ethylbenzene	0.30	µg/L	700
Xylenes	3.5	µg/L	300
MOG	1.8	Mg/L	ns
Cadmium	8.2	µg/L	1.8/0.12
Chromium	<10	µg/L	20
Copper	1000	µg/L	4
Nickel	230	µg/L	150
Lead	230	µg/L	7
Zinc	1500	µg/L	30

ANALYT	CONC	UNITS	GUIDELINE
Benzene	<0.20	µg/L	10
Toluene	6.86	µg/L	215
Ethylbenzene	8.07	µg/L	25
Xylenes	16.9	µg/L	ns
Cadmium	0.20	µg/L	0.12

ANALYT	CONC	UNITS	GUIDELINE
Benzene	<0.20	µg/L	10
Toluene	267	µg/L	215
Ethylbenzene	1.91	µg/L	25
Xylenes	7.3	µg/L	ns
Benzene (dup)	<0.20	µg/L	10
Toluene (dup)	296	µg/L	215
Ethylbenzene (dup)	2.04	µg/L	25
Xylenes (dup)	7.19	µg/L	ns

ANALYT	CONC	UNITS	GUIDELINE
Benzene	<0.10	µg/L	300
Toluene	<0.10	µg/L	300
Ethylbenzene	<0.10	µg/L	700
Xylenes	20.2	µg/L	300
MOG	<0.5	Mg/L	ns
Cadmium	<1	µg/L	1.8
Chromium	<10	µg/L	20
Copper	50	µg/L	4
Nickel	<20	µg/L	150
Lead	13	µg/L	7
Zinc	110	µg/L	30

LEGEND

ASPHALT APRON
FORMER HYDRANT LINES
HYDRANT LINES
HYDRANT BOXES
MW6 — MONITORING WELL (DILLON 2004)
PO-6 — BOREHOLE/MONITORING WELL (BIOGENIE 1994)
PU-31 — TRENCH/MONITORING WELL (BIOGENIE 1994)
+22.6 — ELEVAVTION (masl)

CONCEN —TRATION

ANALYTE	CONC	UNITS	GUIDELINE	
101	127	ug/L	20	INDICATES CONCENTRATION EXCEEDS GUIDELINE
131	1.1	ug/L	20	INDICATES CONCENTRATION BELOW GUIDELINE

GROUNDWATER CONCENTRATION: µg/L MICROGRAMS PER LITRE (ppb) UNLESS STATED OTHERWISEE

NOTES:

BLACK: INDICATES SAMPLE NOT ANALYZED
RED: INDICATES CONCENTRATION EXCEEDS GUIDELINE
GREEN: INDICATES CONCENTRATION BELOW GUIDELINE
ORANGE: INDICATES CONCENTRATION EXCEEDS HISTORICAL GUIDELINES
AQUA: INDICATES CONCENTRATION BELOW HISTORICAL GUIDELINES
PURPLE: INDICATES NO STANDARDS/GUIDELINE AVAILABLE

0 50
SCALE IN METRES

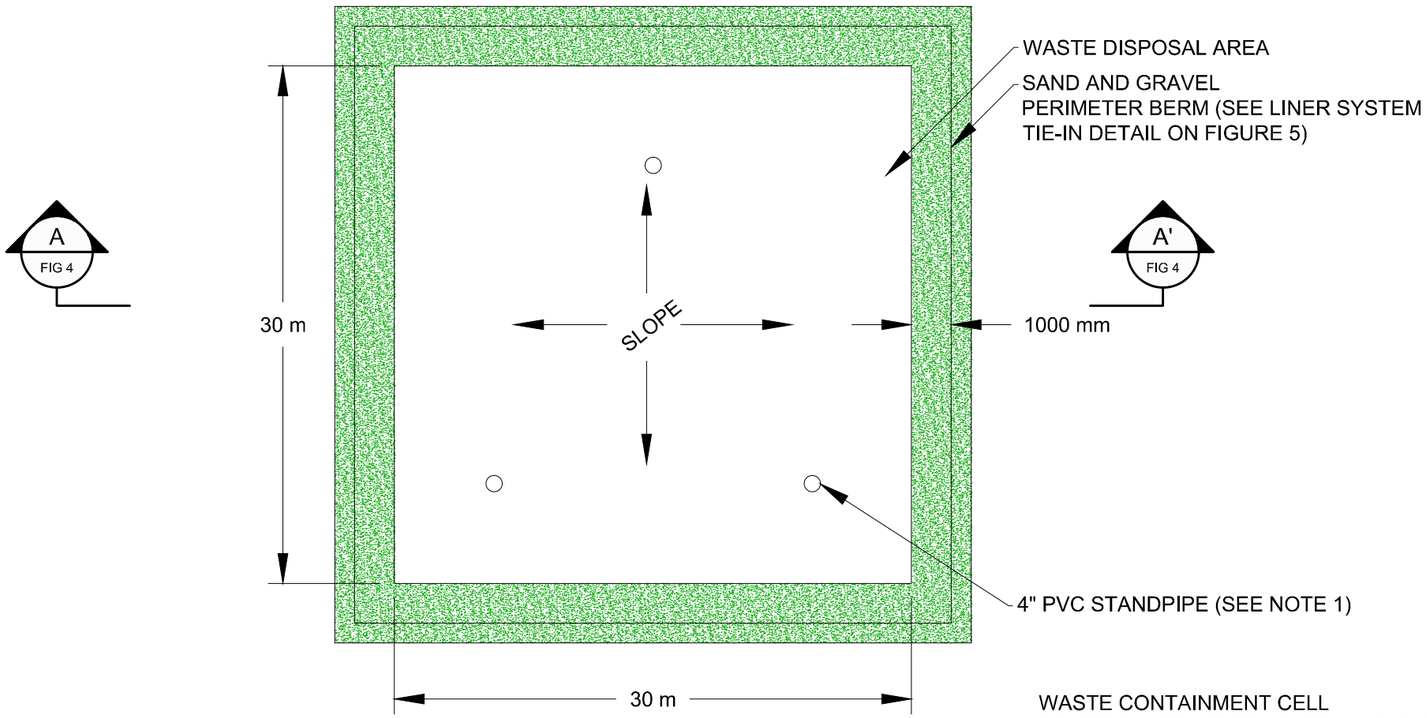
DILLON CONSULTING

CLIENT: TRANSPORT CANADA

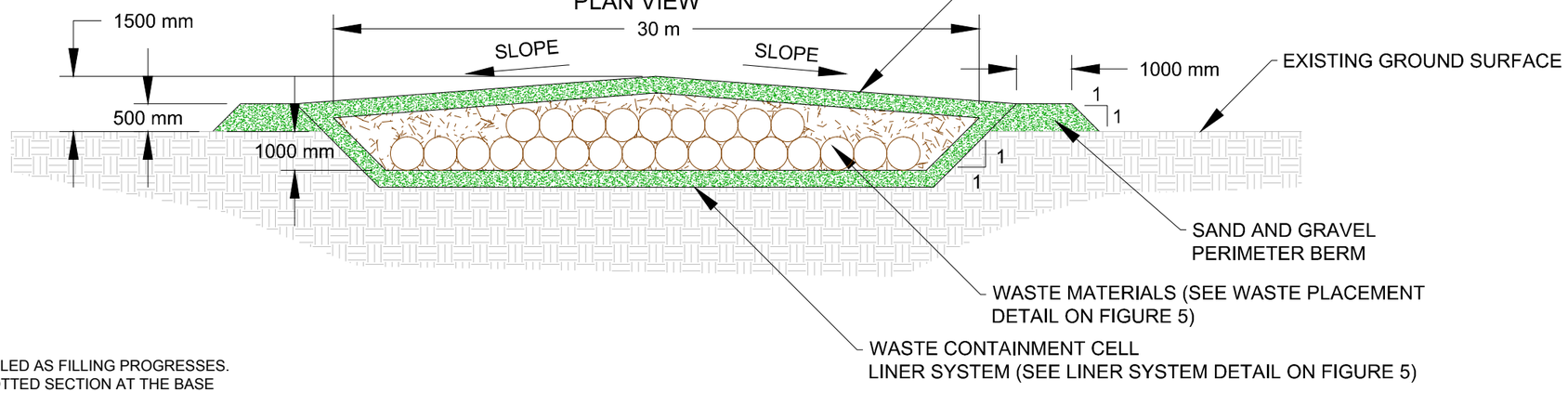
PROJECT: ENVIRONMENTAL SITE ASSESSMENT
IQALUIT AIRPORT
APRON I

TITLE: 1994/2004 GROUNDWATER ASSESSMENT PROGRAMS

DILLON PROJECT NUMBER: 04-3730
DILLON FIGURE NUMBER: 4
SCALE: 1:1250
DATE: FEBRUARY 2005
REVISION –
FINAL



WASTE CONTAINMENT CELL
PLAN VIEW



WASTE CONTAINMENT CELL
CROSS-SECTION A-A'

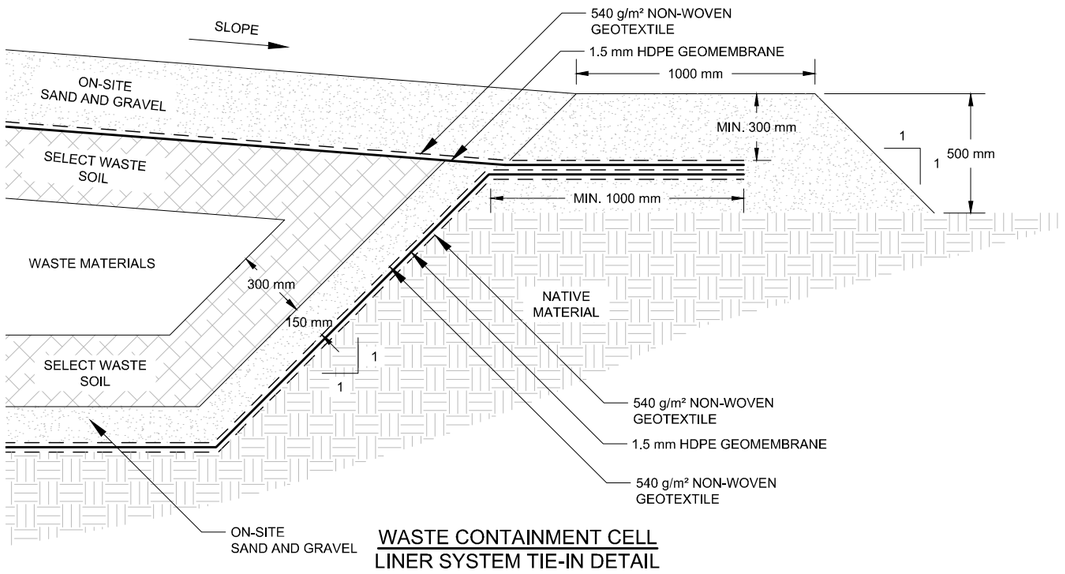
NOTES:

1. 4" PVC STANDPIPES SHALL BE INSTALLED AS FILLING PROGRESSES. STANDPIPES SHALL CONTAIN 1 m SLOTTED SECTION AT THE BASE OF INSTALLATION. SLOTTED SECTION SHALL CONSIST OF NO. 10 SLOT WELL SCREEN OR HAND SLOTTED AND COVERED IN GEOSOCK. STANDPIPES SHALL BE SEALED WITHIN COVER SYSTEM.

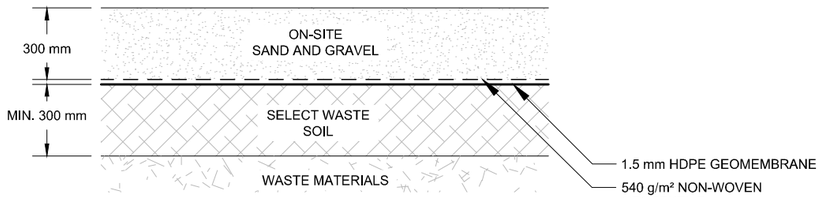
2. FINAL SLOPE TO BE DETERMINED IN THE FIELD BASED ON WASTE VOLUME PLACED IN CONTAINMENT CELL.

figure 4

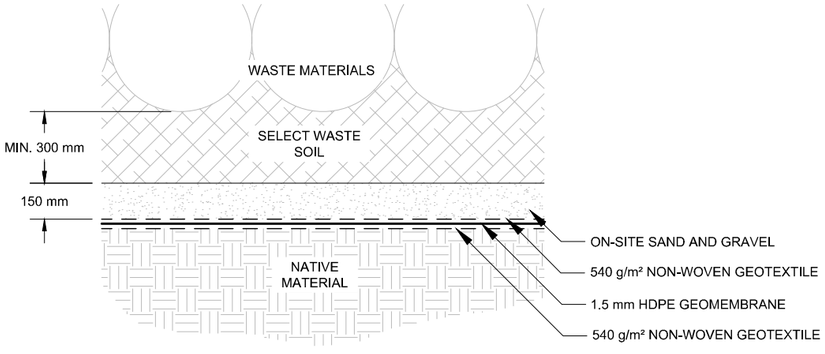
WASTE CONTAINMENT CELL
PRE-EXISTING ENVIRONMENTAL CONTAMINATION MANAGEMENT PLAN
IQALUIT INTERNATIONAL AIRPORT
Iqaluit, Nunavut



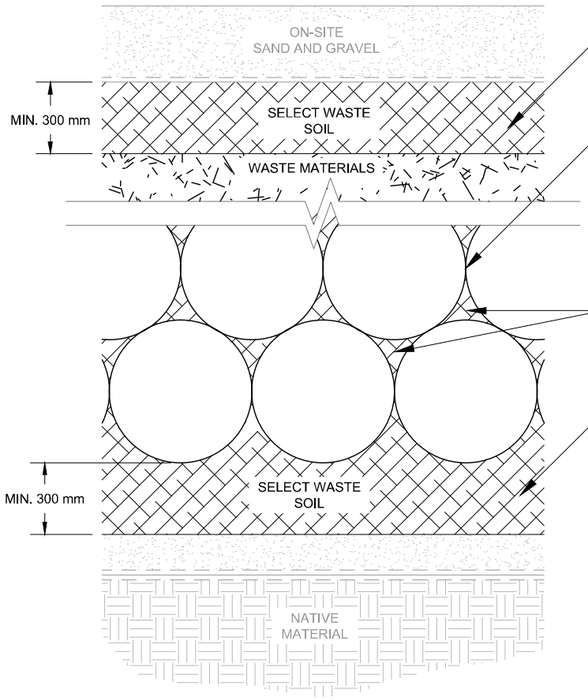
WASTE CONTAINMENT CELL
LINER SYSTEM TIE-IN DETAIL



WASTE CONTAINMENT CELL
COVER SYSTEM



WASTE CONTAINMENT CELL
LINER SYSTEM



300 mm THICK LAYER OF IMPACTED SOIL TO BE PLACED BENEATH 1.5 mm HDPE GEOMEMBRANE TO PROTECT OVERLYING COVER SYSTEM

DRUMS

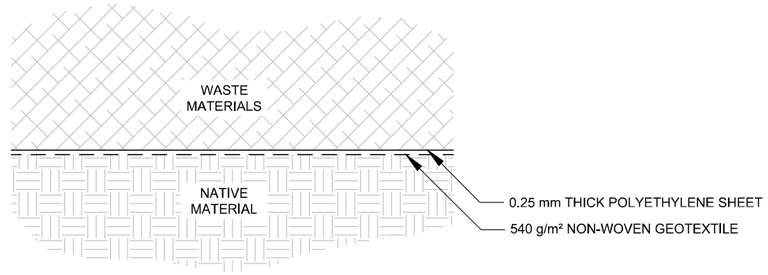
IMPACTED SOIL SHALL BE PLACED IN VOIDS BETWEEN DRUMS TO MINIMIZE SETTLEMENT

300 mm THICK LAYER OF IMPACTED SOIL TO BE PLACED ON 300 mm SAND AND GRAVEL LAYER TO PROTECT UNDERLYING LINER SYSTEM

WASTE MATERIALS SHALL BE PLACED IN THE FOLLOWING ORDER:

1. MINIMUM 300 mm THICK LAYER OF IMPACTED SOIL.
2. DRUMS SHALL BE PLACED CONCURRENTLY WITH IMPACTED SOIL TO FILL VOID SPACE BETWEEN DRUMS.
3. OTHER WASTE MATERIALS.
4. MINIMUM 300 mm THICK LAYER OF IMPACTED SOIL BENEATH COVER SYSTEM GEOMEMBRANE.

WASTE CONTAINMENT CELL
WASTE PLACEMENT DETAILS



TEMPORARY SECURE STOCKPILE
LINER SYSTEM

figure 5

WASTE CONTAINMENT CELL AND TEMPORARY SECURE STOCKPILE CONSTRUCTION DETAILS
PRE-EXISTING ENVIRONMENTAL CONTAMINATION MANAGEMENT PLAN
IQALUIT INTERNATIONAL AIRPORT
Iqaluit, Nunavut

CRA

TABLE II
FIELD OBSERVATION SUMMARY

ZONE	ODOURS OF HYDROCARBONS	VISUAL PRESENCE OF HYDROCARBONS ON GROUND SURFACE	IRIDESCENT SURFACE ON WATER
Drum storage area north of the old plant	PU17, PU18, PU19		PU17, PU18, PU19
Drum storage area south of the old plant	PU26	PU22, PU23	PU24
Asphalt plant	PU15, PU16		PU11
Fire training area	PU35, PU36, PU38, PU40, PU42, PU43, PU44, PU45, PU46, PU47, PU48	PU37, PU38, PU39, PU40, PU42, PU43, PU44, PU46, PU48	
First Air Drum cache			PU20
USAF fuel tanks (T-294)	PU7, PU30, PU34		PU7
Hangars (T-325 and T-326)	PO3, PO4	PO1, PO2, PO4, PO5	PO1, PO2, PO3, PO4, PO5
Shell fuel dispenser	PU28	PU28	PU28
First Air Hangar (T-72)	PO9, PO10		PO9
Buildings (T-117, T-272, T-115 and T-101)	PU3, PU4, PU6, PU9, PU10, PU29	PU10	PU3, PU4, PU5, PU9

BIOGÉNIE Inc
ENVIRONNENT SPECIALISTS
350 rue Franquet, suite 10 Ste-Foy, Quebec G1P 3P3
Tel. : (418) 653-4422 Fax. : (418) 653-3583

BOREHOLE LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: F-1
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Forages de Montréal
OPERATOR: Philippe Fornes
TYPE OF TUBING: ---

STARTED ON: 14-08-94
SLOTTED PIPE Ø : 50mm
DRILL TYPE: Tripod
METHOD (SOIL): Cable tool
DRILLING FLUID: ---

ENDED ON: 14-08-94
TUBING Ø : 50mm
CORE SAMPLER Ø : ---
METHOD (ROCK): ---
DONE BY: E. Giroux

LEVELLING			MONITORING WELL		SAMPLE						GEOLOGY		OBSERVATIONS	
DEPTH (meters)	ELEVATION (meters)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	SPT	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR O W I P	VISUAL NE SC SA
0.00	24.14											**Asphalt**		
						CF-1	100					**Fill:** gravelly sand, brown, moist		
1.20	22.94											**Permafrost 1.20 metre**		

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
CF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
P — PERSISTENT
NE — NON-EXISTANT
SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: ---
SURFACE SEAL: ---
SEAL DEPTH: ---
SLOTTED PIPE LENGTH: ---
TUBING LENGTH: ---

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: ---
GROUD LEVEL: 24.14 metres
WATER TABLE LEVEL:
_____ HOUR(s) AFTER DIGGING: _____

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BOREHOLE LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: F-2
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Forages de Montréal
OPERATOR: Philippe Fornes
TYPE OF TUBING: ---

STARTED ON: 14-08-94
SLOTTED PIPE Ø : 50mm
DRILL TYPE: Tripod
METHOD (SOIL): Cable tool
DRILLING FLUID: ---

ENDED ON: 14-08-94
TUBING Ø : 50mm
CORE SAMPLER Ø : ---
METHOD (ROCK): ---
DONE BY: E. Giroux

LEVELLING			MONITORING WELL		SAMPLE						GEOLOGY		OBSERVATIONS	
DEPTH (meters)	ELEVATION (meters)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	SPT	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR O W I P	VISUAL NE SC SA
0.00	24.17											**Asphalt**		
						CF-1	70					**Fill:** gravelly sand, brown, dry		
1.20	22.97											**Permafrost 1.20 metre**		

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
CF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
P — PERSISTENT
NE — NON-EXISTANT
SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: ---
SURFACE SEAL: ---
SEAL DEPTH: ---
SLOTTED PIPE LENGTH: ---
TUBING LENGTH: ---

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: ---
GROUD LEVEL: 24.17 metres
WATER TABLE LEVEL:
_____ HOUR(s) AFTER DIGGING: _____

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BOREHOLE LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: F-3
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Forages de Montréal
OPERATOR: Philippe Fornes
TYPE OF TUBING: ---

STARTED ON: 14-08-94
SLOTTED PIPE Ø : 50mm
DRILL TYPE: Tripod
METHOD (SOIL): Cable tool
DRILLING FLUID: ---

ENDED ON: 14-08-94
TUBING Ø : 50mm
CORE SAMPLER Ø : ---
METHOD (ROCK): ---
DONE BY: E. Giroux

LEVELLING			MONITORING WELL		SAMPLE						GEOLOGY		OBSERVATIONS	
	DEPTH (meters)	ELEVATION (meters)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	SPT	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR O W I P	VISUAL NE SC SA
0	0.00	24.16													
	0.20	23.96											**Asphalt**		
													Fill: gravelly sand, brown, dry		
1							CF-1	80							
	1.50	22.66											**Permafrost 1.50 metre**		
2															
3															
4															
5															
6															
7															
8															

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
CF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
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SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: ---
SURFACE SEAL: ---
SEAL DEPTH: ---
SLOTTED PIPE LENGTH: ---
TUBING LENGTH: ---

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: ---
GROUD LEVEL: 24.16 metres
WATER TABLE LEVEL:
_____ HOUR(s) AFTER DIGGING: _____

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BOREHOLE LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: F-4
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Forages de Montréal
OPERATOR: Philippe Fornes
TYPE OF TUBING: ---

STARTED ON: 14-08-94
SLOTTED PIPE Ø : 50mm
DRILL TYPE: Tripod
METHOD (SOIL): Cable tool
DRILLING FLUID: ---

ENDED ON: 14-08-94
TUBING Ø : 50mm
CORE SAMPLER Ø : ---
METHOD (ROCK): ---
DONE BY: E. Giroux

LEVELLING			MONITORING WELL		SAMPLE						GEOLOGY		OBSERVATIONS	
	DEPTH (meters)	ELEVATION (meters)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	SPT	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR O W I P NE / VISUAL SC SA
	0.00	20.49												
	0.20	20.29											**Asphalt**	
							CF-1	90					**Fill:** gravelly sand, brown, dry	
	1.20	19.29												
	1.50	18.99											**Sand** and gravel, green, moist	
													Permafrost 1.50 metre	

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
CF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
P — PERSISTENT
NE — NON-EXISTANT
SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: ---
SURFACE SEAL: ---
SEAL DEPTH: ---
SLOTTED PIPE LENGTH: ---
TUBING LENGTH: ---

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: ---
GROUD LEVEL: 20.49 metres
WATER TABLE LEVEL:
_____ HOUR(s) AFTER DIGGING: _____

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BOREHOLE LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: PO-1
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Forages de Montréal
OPERATOR: Philippe Fornes
TYPE OF TUBING: ---

STARTED ON: 12-08-94
SLOTTED PIPE Ø : 50mm
DRILL TYPE: Tripod
METHOD (SOIL): Cable tool
DRILLING FLUID: ---

ENDED ON: 12-08-94
TUBING Ø : 50mm
CORE SAMPLER Ø : ---
METHOD (ROCK): ---
DONE BY: E. Giroux

LEVELLING			MONITORING WELL		SAMPLE					GEOLOGY		OBSERVATIONS	
DEPTH (meters)	ELEVATION (meters)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	SPT	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR O W I P / VISUAL NE SC SA
0.00	18.74	▽											
0.15	18.59			PVC TUBING, 50mm, SLOTTED OPENING 10 MILS		CF-1	100					**Bitumen**, black, dry **Coarse sand**, brown, moist	
1.20	17.54											**Permafrost 1.20 metre** Iridescent water surface	

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
CF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
P — PERSISTENT
NE — NON-EXISTANT
SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: ---
SURFACE SEAL: ---
SEAL DEPTH: ---
SLOTTED PIPE LENGTH: ---
TUBING LENGTH: ---

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: ---
GROUD LEVEL: 18.74 metres
WATER TABLE LEVEL:
24 HOUR(s) AFTER DIGGING: 18.59

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BOREHOLE LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: PO-2
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Forages de Montréal
OPERATOR: Philippe Fornes
TYPE OF TUBING: ---

STARTED ON: 12-08-94
SLOTTED PIPE Ø : 50mm
DRILL TYPE: Tripod
METHOD (SOIL): Cable tool
DRILLING FLUID: ---

ENDED ON: 12-08-94
TUBING Ø : 50mm
CORE SAMPLER Ø : ---
METHOD (ROCK): ---
DONE BY: E. Giroux

LEVELLING			MONITORING WELL		SAMPLE						GEOLOGY		OBSERVATIONS	
DEPTH (meters)	ELEVATION (meters)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	SPT	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR O W I P	VISUAL NE SC SA
0.00	18.61	▽												
0.20	18.41			PVC TUBING, 50mm, SLOTTED OPENING 10 MILS		CF-1	100					**Bitumen,** black, dry **Coarse sand,** brown, moist		
1.20	17.41											**Permafrost 1.20 metre** Iridescent water surface and 0.02m free phase		

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
CF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
P — PERSISTENT
NE — NON-EXISTANT
SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: ---
SURFACE SEAL: ---
SEAL DEPTH: ---
SLOTTED PIPE LENGTH: ---
TUBING LENGTH: ---

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: ---
GROUD LEVEL: 18.61 metres
WATER TABLE LEVEL:
24 HOUR(s) AFTER DIGGING: 18.41

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BOREHOLE LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: PO-3
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Forages de Montréal
OPERATOR: Philippe Fornes
TYPE OF TUBING: ---

STARTED ON: 12-08-94
SLOTTED PIPE Ø : 50mm
DRILL TYPE: Tripod
METHOD (SOIL): Cable tool
DRILLING FLUID: ---

ENDED ON: 12-08-94
TUBING Ø : 50mm
CORE SAMPLER Ø : ---
METHOD (ROCK): ---
DONE BY: E. Giroux

LEVELLING			MONITORING WELL		SAMPLE						GEOLOGY		OBSERVATIONS	
	DEPTH (meters)	ELEVATION (meters)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	SPT	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR O W I P	VISUAL NE SC SA
0	0.00	18.59			PVC TUBING, 50mm, SLOTTED OPENING 10 MILS		CF-1	100					**Coarse sand,** brown, moist		
	0.80	17.79											**Permafrost 0.80 metre** Iridescent water surface		
1															
2															
3															
4															
5															
6															
7															
8															

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
CF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
P — PERSISTENT
NE — NON-EXISTANT
SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: ---
SURFACE SEAL: ---
SEAL DEPTH: ---
SLOTTED PIPE LENGTH: ---
TUBING LENGTH: ---

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: ---
GROUD LEVEL: 18.59 metres
WATER TABLE LEVEL:
_____ HOUR(s) AFTER DIGGING: _____

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BOREHOLE LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: PO-4
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Forages de Montréal
OPERATOR: Philippe Fornes
TYPE OF TUBING: ---

STARTED ON: 12-08-94
SLOTTED PIPE Ø : 50mm
DRILL TYPE: Tripod
METHOD (SOIL): Cable tool
DRILLING FLUID: ---

ENDED ON: 12-08-94
TUBING Ø : 50mm
CORE SAMPLER Ø : ---
METHOD (ROCK): ---
DONE BY: E. Giroux

LEVELLING			MONITORING WELL		SAMPLE						GEOLOGY		OBSERVATIONS	
DEPTH (meters)	ELEVATION (meters)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	SPT	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR O W I P	VISUAL NE SC SA
0.00	19.39											**Bitumen**, black, dry		
				PVC TUBING, 50mm, SLOTTED OPENING 10 MILS		CF-1	100					**Coarse sand**, brown, moist		
0.80	18.59													
1.00	18.39											**Permafrost 1.00 metre** Iridescent water surface		

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
CF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
P — PERSISTENT
NE — NON-EXISTANT
SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: ---
SURFACE SEAL: ---
SEAL DEPTH: ---
SLOTTED PIPE LENGTH: ---
TUBING LENGTH: ---

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: ---
GROUD LEVEL: 19.39 metres
WATER TABLE LEVEL:
24 HOUR(s) AFTER DIGGING: 18.59

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BOREHOLE LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: PO-5
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Forages de Montréal
OPERATOR: Philippe Fornes
TYPE OF TUBING: ---

STARTED ON: 12-08-94
SLOTTED PIPE Ø : 50mm
DRILL TYPE: Tripod
METHOD (SOIL): Cable tool
DRILLING FLUID: ---

ENDED ON: 12-08-94
TUBING Ø : 50mm
CORE SAMPLER Ø : ---
METHOD (ROCK): ---
DONE BY: E. Giroux

LEVELLING			MONITORING WELL		SAMPLE						GEOLOGY		OBSERVATIONS	
	DEPTH (meters)	ELEVATION (meters)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	SPT	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR O W I P / VISUAL NE SC SA
	0.00	19.39											**Bitumen**, black, dry	
					PVC TUBING, 50mm, SLOTTED OPENING 10 MILS								**Coarse sand**, brown, moist	
	0.50	18.89					CF-1	100						
	0.70	18.69											**Fine sand**, brown, moist	
	1.00	18.39											**Coarse sand**, brown, moist	
													Permafrost 1.00 metre Iridescent water surface	

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
CF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
P — PERSISTENT
NE — NON-EXISTANT
SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: ---
SURFACE SEAL: ---
SEAL DEPTH: ---
SLOTTED PIPE LENGTH: ---
TUBING LENGTH: ---

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: ---
GROUD LEVEL: 19.39 metres
WATER TABLE LEVEL:
24 HOUR(s) AFTER DIGGING: 18.69

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BOREHOLE LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: PO-6
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Forages de Montréal
OPERATOR: Philippe Fornes
TYPE OF TUBING: ---

STARTED ON: 13-08-94
SLOTTED PIPE Ø : 50mm
DRILL TYPE: Tripod
METHOD (SOIL): Cable tool
DRILLING FLUID: ---

ENDED ON: 13-08-94
TUBING Ø : 50mm
CORE SAMPLER Ø : ---
METHOD (ROCK): ---
DONE BY: E. Giroux

LEVELLING			MONITORING WELL		SAMPLE						GEOLOGY		OBSERVATIONS	
DEPTH (meters)	ELEVATION (meters)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	SPT	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR O W I P	VISUAL NE SC SA
0.00	24.09													
				PVC TUBING, 50mm, SLOTTED OPENING 10 MILS		CF-1	100					**Asphalt** **Fill:** coarse sand, with gravel, brown, moist		
0.90	23.19													
1.00	23.09											**Permafrost 1.00 metre**		

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
CF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
P — PERSISTENT
NE — NON-EXISTANT
SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: ---
SURFACE SEAL: ---
SEAL DEPTH: ---
SLOTTED PIPE LENGTH: ---
TUBING LENGTH: ---

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: ---
GROUD LEVEL: 24.09 metres
WATER TABLE LEVEL:
24,sec HOUR(s) AFTER DIGGING: 23.19

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BOREHOLE LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: PO-7
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Forages de Montréal
OPERATOR: Philippe Fornes
TYPE OF TUBING: ---

STARTED ON: 13-08-94
SLOTTED PIPE Ø : 50mm
DRILL TYPE: Tripod
METHOD (SOIL): Cable tool
DRILLING FLUID: ---

ENDED ON: 13-08-94
TUBING Ø : 50mm
CORE SAMPLER Ø : ---
METHOD (ROCK): ---
DONE BY: E. Giroux

LEVELLING			MONITORING WELL		SAMPLE						GEOLOGY		OBSERVATIONS	
DEPTH (meters)	ELEVATION (meters)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	SPT	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR O W I P	VISUAL NE SC SA
0.00	24.10											**Asphalt**		
				PVC TUBING, 50mm, SLOTTED OPENING 10 MILS		CF-1	100					**Fill:** coarse gravelly sand, brown, moist		
0.80	23.30											**Permafrost 0.80 metre**		

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
CF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
P — PERSISTENT
NE — NON-EXISTANT
SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: ---
SURFACE SEAL: ---
SEAL DEPTH: ---
SLOTTED PIPE LENGTH: ---
TUBING LENGTH: ---

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: ---
GROUD LEVEL: 24.10 metres
WATER TABLE LEVEL:
24,sec HOUR(s) AFTER DIGGING: ---

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BOREHOLE LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: PO-8
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Forages de Montréal
OPERATOR: Philippe Fornes
TYPE OF TUBING: ---

STARTED ON: 13-08-94
SLOTTED PIPE Ø : 50mm
DRILL TYPE: Tripod
METHOD (SOIL): Cable tool
DRILLING FLUID: ---

ENDED ON: 13-08-94
TUBING Ø : 50mm
CORE SAMPLER Ø : ---
METHOD (ROCK): ---
DONE BY: E. Giroux

LEVELLING			MONITORING WELL		SAMPLE					GEOLOGY		OBSERVATIONS	
DEPTH (meters)	ELEVATION (meters)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	SPT	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR O W I P / VISUAL NE SC SA
0.00	24.17											**Asphalt**	
				PVC TUBING, 50mm, SLOTTED OPENING 10 MILS		CF-1	100					**Fill:** gravelly sand, brown, dry	
0.85	23.32											**Permafrost 0.85 metre**	

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
CF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
P — PERSISTENT
NE — NON-EXISTANT
SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: ---
SURFACE SEAL: ---
SEAL DEPTH: ---
SLOTTED PIPE LENGTH: ---
TUBING LENGTH: ---

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: ---
GROUD LEVEL: 24.17 metres
WATER TABLE LEVEL:
24,sec HOUR(s) AFTER DIGGING: ---

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BOREHOLE LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: PO-9
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Forages de Montréal
OPERATOR: Philippe Fornes
TYPE OF TUBING: ---

STARTED ON: 13-08-94
SLOTTED PIPE Ø : 50mm
DRILL TYPE: Tripod
METHOD (SOIL): Cable tool
DRILLING FLUID: ---

ENDED ON: 13-08-94
TUBING Ø : 50mm
CORE SAMPLER Ø : ---
METHOD (ROCK): ---
DONE BY: E. Giroux

LEVELLING			MONITORING WELL		SAMPLE						GEOLOGY		OBSERVATIONS	
DEPTH (meters)	ELEVATION (meters)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	SPT	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR O W I P NE	VISUAL NE SC SA
0.00	20.43													
0.20	20.23			PVC TUBING, 50mm, SLOTTED OPENING 10 MILS								**Asphalt**		
						CF-1	100					**Fill:** gravelly sand, brown, dry		
0.90	19.53	▽												
1.00	19.43													
						CF-2	100					**Fine sand,** grey, moist		
1.50	18.93													
												Permafrost 1.50 metre, iridescent water surface		

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
CF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
P — PERSISTENT
NE — NON-EXISTANT
SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: ---
SURFACE SEAL: ---
SEAL DEPTH: ---
SLOTTED PIPE LENGTH: ---
TUBING LENGTH: ---

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: ---
GROUD LEVEL: 20.43 metres
WATER TABLE LEVEL:
24 HOUR(s) AFTER DIGGING: 19.53

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BOREHOLE LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: PO-10
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Forages de Montréal
OPERATOR: Philippe Fornes
TYPE OF TUBING: ---

STARTED ON: 13-08-94
SLOTTED PIPE Ø : 50mm
DRILL TYPE: Tripod
METHOD (SOIL): Cable tool
DRILLING FLUID: ---

ENDED ON: 13-08-94
TUBING Ø : 50mm
CORE SAMPLER Ø : ---
METHOD (ROCK): ---
DONE BY: E. Giroux

LEVELLING			MONITORING WELL		SAMPLE						GEOLOGY		OBSERVATIONS	
DEPTH (meters)	ELEVATION (meters)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	SPT	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR O W I P	VISUAL NE SC SA
0.00	20.68													
0.30	20.38			PVC TUBING, 50mm, SLOTTED OPENING 10 MILS		CF-1	100					**Gravelly sand,** brown, dry		
0.80	19.88											**Fine sand,** grey, moist		
												Permafrost 0.80 metre		

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
CF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
P — PERSISTENT
NE — NON-EXISTANT
SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: ---
SURFACE SEAL: ---
SEAL DEPTH: ---
SLOTTED PIPE LENGTH: ---
TUBING LENGTH: ---

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: ---
GROUD LEVEL: 20.68 metres
WATER TABLE LEVEL:
24,sec HOUR(s) AFTER DIGGING: ____

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BOREHOLE LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: PO-11
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Forages de Montréal
OPERATOR: Philippe Fornes
TYPE OF TUBING: ---

STARTED ON: 13-08-94
SLOTTED PIPE Ø : 50mm
DRILL TYPE: Tripod
METHOD (SOIL): Cable tool
DRILLING FLUID: ---

ENDED ON: 13-08-94
TUBING Ø : 50mm
CORE SAMPLER Ø : ---
METHOD (ROCK): ---
DONE BY: E. Giroux

LEVELLING			MONITORING WELL		SAMPLE						GEOLOGY		OBSERVATIONS	
DEPTH (meters)	ELEVATION (meters)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	SPT	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR O W I P	VISUAL NE SC SA
0.00	20.47											**Asphalt**		
0.20	20.27			PVC TUBING, 50mm, SLOTTED OPENING 10 MILS		CF-1	100					**Fill:** gravelly sand, brown, moist		
1.40	19.07											**Permafrost 1.40 metre**		

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
CF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
P — PERSISTENT
NE — NON-EXISTANT
SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: ---
SURFACE SEAL: ---
SEAL DEPTH: ---
SLOTTED PIPE LENGTH: ---
TUBING LENGTH: ---

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: ---
GROUD LEVEL: 20.47 metres
WATER TABLE LEVEL:
24,sec HOUR(s) AFTER DIGGING: ---

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TRENCH LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: PU-1
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Rock Lessard Inc.
OPERATOR: ---
TYPE OF TUBING: ---

STARTED ON: 15-08-94
SLOTTED PIPE Ø : ---
DRILL TYPE: Backhoe
METHOD (SOIL): ---
DRILLING FLUID: ---

ENDED ON: 15-08-94
TUBING Ø : ---
CORE SAMPLER Ø : ---
METHOD (ROCK): ---
DONE BY: E.Giroux

LEVELLING			MONITORING WELL		SAMPLE					GEOLOGY		OBSERVATIONS	
DEPTH (meters)	ELEVATION (meters)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR O W I P	VISUAL NE SC SA
0.00	20.57												
											Fill: gravelly sand, brown, dry		
0.30	20.27												
						PU-1-1					**Fill:** medium sand, grey, moist		
1.30	19.27												
											Permafrost 1.30 metre		

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
CF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
P — PERSISTENT
NE — NON-EXISTANT
SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: ---
SURFACE SEAL: ---
SEAL DEPTH: ---
SLOTTED PIPE LENGTH: ---
TUBING LENGTH: ---

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: ---
GROUD LEVEL: 20.57 metres
WATER TABLE LEVEL:
-- HOUR(s) AFTER DIGGING: ---

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TRENCH LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: PU-2
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Rock Lessard inc.
OPERATOR: ---
TYPE OF TUBING: ---

STARTED ON: 15-08-94
SLOTTED PIPE Ø : ---
DRILL TYPE: Backhoe
METHOD (SOIL): ---
DRILLING FLUID: ---

ENDED ON: 15-08-94
TUBING Ø : ---
CORE SAMPLER Ø : ---
METHOD (ROCK): ---
DONE BY: E.Giroux

LEVELLING			MONITORING WELL		SAMPLE					GEOLOGY		OBSERVATIONS	
DEPTH (meters)	ELEVATION (meters)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR (O W I P)	VISUAL (NE SC SA)
0.00	20.59					PU-2-1					**Fill:** medium sand, brown, dry		
1.50	19.09										**Permafrost 1.50 metre**		

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
CF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
P — PERSISTENT
NE — NON-EXISTANT
SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: ---
SURFACE SEAL: ---
SEAL DEPTH: ---
SLOTTED PIPE LENGTH: ---
TUBING LENGTH: ---

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: ---
GROUD LEVEL: 20.59 metres
WATER TABLE LEVEL:
-- HOUR(s) AFTER DIGGING: ---

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TRENCH LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: PU-3
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Rock Lessard Inc.
OPERATOR: ---
TYPE OF TUBING: ---

STARTED ON: 15-08-94
SLOTTED PIPE Ø : ---
DRILL TYPE: Backhoe
METHOD (SOIL): ---
DRILLING FLUID: ---

ENDED ON: 15-08-94
TUBING Ø : ---
CORE SAMPLER Ø : ---
METHOD (ROCK): ---
DONE BY: E.Giroux

LEVELLING			MONITORING WELL		SAMPLE					GEOLOGY		OBSERVATIONS					
DEPTH (meters)	ELEVATION (meters)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR O	ODOUR W	ODOUR I	ODOUR P	VISUAL NE	VISUAL SC/SA
0.00	21.34																
				PVC TUBING, 50mm, SLOTTED OPENING 10 MILS		PU-3-1					**Fill:** gravelly sand, black, moist (various scrap)						
0.61	20.73	▽															
1.80	19.54										**Permafrost 1.80 metre,** iridescent water surface						

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
CF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
P — PERSISTENT
NE — NON-EXISTANT
SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: ---
SURFACE SEAL: ---
SEAL DEPTH: ---
SLOTTED PIPE LENGTH: ---
TUBING LENGTH: ---

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: ---
GROUD LEVEL: 21.34 metres
WATER TABLE LEVEL:
-- HOUR(s) AFTER DIGGING: 20.73

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TRENCH LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: PU-4
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Rock Lessard inc.
OPERATOR: ---
TYPE OF TUBING: ---

STARTED ON: 15-08-94
SLOTTED PIPE Ø : ---
DRILL TYPE: Backhoe
METHOD (SOIL): ---
DRILLING FLUID: ---

ENDED ON: 15-08-94
TUBING Ø : ---
CORE SAMPLER Ø : ---
METHOD (ROCK): ---
DONE BY: E.Giroux

LEVELLING			MONITORING WELL		SAMPLE					GEOLOGY		OBSERVATIONS					
DEPTH (meters)	ELEVATION (meters)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR O	ODOUR W	ODOUR I	ODOUR P	VISUAL NE	VISUAL SC	VISUAL SA
0.00	21.21										**Medium sand,** brown, moist							

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
CF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
P — PERSISTENT
NE — NON-EXISTANT
SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: ---
SURFACE SEAL: ---
SEAL DEPTH: ---
SLOTTED PIPE LENGTH: ---
TUBING LENGTH: ---

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: 20.94 metres
GROUD LEVEL: 21.21 metres
WATER TABLE LEVEL:
-- HOUR(s) AFTER DIGGING:

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TRENCH LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: PU-5
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Rock Lessard Inc.
OPERATOR: ---
TYPE OF TUBING: ---

STARTED ON: 15-08-94
SLOTTED PIPE Ø : ---
DRILL TYPE: Backhoe
METHOD (SOIL): ---
DRILLING FLUID: ---

ENDED ON: 15-08-94
TUBING Ø : ---
CORE SAMPLER Ø : ---
METHOD (ROCK): ---
DONE BY: E.Giroux

LEVELLING			MONITORING WELL		SAMPLE					GEOLOGY		OBSERVATIONS		
	DEPTH (meters)	ELEVATION (meters)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR O W I P	VISUAL NE SC SA
	0.00	24.34												
0					PVC TUBING, 50mm, SLOTTED OPENING 10 MILS		PU-5-1					**Fill:** gravelly sand, dry		
1														
2	2.00	22.34										**Permafrost 2.00 metres,** iridescent water surface		
3														
4														
5														
6														
7														
8														

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
CF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
P — PERSISTENT
NE — NON-EXISTANT
SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: ---
SURFACE SEAL: ---
SEAL DEPTH: ---
SLOTTED PIPE LENGTH: ---
TUBING LENGTH: ---

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: ---
GROUD LEVEL: 24.34 metres
WATER TABLE LEVEL:
--- HOUR(s) AFTER DIGGING: ---

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TRENCH LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: PU-6
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Rock Lessard Inc.
OPERATOR: ---
TYPE OF TUBING: ---

STARTED ON: 15-08-94
SLOTTED PIPE Ø : ---
DRILL TYPE: Backhoe
METHOD (SOIL): ---
DRILLING FLUID: ---

ENDED ON: 15-08-94
TUBING Ø : ---
CORE SAMPLER Ø : ---
METHOD (ROCK): ---
DONE BY: E.Giroux

LEVELLING			MONITORING WELL		SAMPLE					GEOLOGY		OBSERVATIONS	
	DEPTH (meters)	ELEVATION (meters)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR O W I P	VISUAL NE SC SA
0	0.00	22.86			PVC TUBING, 50mm, SLOTTED OPENING 10 MILS		PU-6-1					**Fill:** gravelly sand, black, dry		
1	1.00	21.86										**Medium sand,** brown, moist		
2	2.00	20.86										**Permafrost 2.00 metres**		
3														
4														
5														
6														
7														
8														

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
CF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
P — PERSISTENT
NE — NON-EXISTANT
SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: ---
SURFACE SEAL: ---
SEAL DEPTH: ---
SLOTTED PIPE LENGTH: ---
TUBING LENGTH: ---

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: ---
GROUD LEVEL: 22.86 metres
WATER TABLE LEVEL:
-- HOUR(s) AFTER DIGGING: ---

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TRENCH LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: PU-7
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Rock Lessard inc.
OPERATOR: ---
TYPE OF TUBING: ---

STARTED ON: 15-08-94
SLOTTED PIPE Ø : ---
DRILL TYPE: Backhoe
METHOD (SOIL): ---
DRILLING FLUID: ---

ENDED ON: 15-08-94
TUBING Ø : ---
CORE SAMPLER Ø : ---
METHOD (ROCK): ---
DONE BY: E.Giroux

LEVELLING			MONITORING WELL		SAMPLE					GEOLOGY		OBSERVATIONS	
DEPTH (meters)	ELEVATION (meters)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR O W I P	VISUAL NE SC SA
0.00	22.56												
				PVC TUBING, 50mm, SLOTTED OPENING 10 MILS		PU-7-1					**Fill:** coarse sand with gravel, black, moist		
0.90	21.66	▽											
1.40	21.16										**Permafrost 1.40 metre,** iridescent water surface		

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
CF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
P — PERSISTENT
NE — NON-EXISTANT
SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: ---
SURFACE SEAL: ---
SEAL DEPTH: ---
SLOTTED PIPE LENGTH: ---
TUBING LENGTH: ---

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: ---
GROUD LEVEL: 22.56 metres
WATER TABLE LEVEL:
-- HOUR(s) AFTER DIGGING: 21.66

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TRENCH LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: PU-8
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Rock Lessard inc.
OPERATOR: ---
TYPE OF TUBING: ---

STARTED ON: 15-08-94
SLOTTED PIPE Ø : ---
DRILL TYPE: Backhoe
METHOD (SOIL): ---
DRILLING FLUID: ---

ENDED ON: 15-08-94
TUBING Ø : ---
CORE SAMPLER Ø : ---
METHOD (ROCK): ---
DONE BY: E.Giroux

LEVELLING			MONITORING WELL		SAMPLE					GEOLOGY		OBSERVATIONS	
DEPTH (meters)	ELEVATION (meters)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR O W I P	VISUAL NE SC SA
0.00	24.69												
						PU-8-1					**Fill:** gravelly sand, brown, dry		
1.50	23.19										**Permafrost 1.50 metre**		

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
CF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
P — PERSISTENT
NE — NON-EXISTANT
SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: ---
SURFACE SEAL: ---
SEAL DEPTH: ---
SLOTTED PIPE LENGTH: ---
TUBING LENGTH: ---

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: ---
GROUD LEVEL: 24.69 metres
WATER TABLE LEVEL:
-- HOUR(s) AFTER DIGGING: ---

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TRENCH LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: PU-9
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Rock Lessard Inc.
OPERATOR: ---
TYPE OF TUBING: ---

STARTED ON: 15-08-94
SLOTTED PIPE Ø : ---
DRILL TYPE: Backhoe
METHOD (SOIL): ---
DRILLING FLUID: ---

ENDED ON: 15-08-94
TUBING Ø : ---
CORE SAMPLER Ø : ---
METHOD (ROCK): ---
DONE BY: E.Giroux

LEVELLING			MONITORING WELL		SAMPLE					GEOLOGY		OBSERVATIONS	
	DEPTH (meters)	ELEVATION (meters)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR O W I P / VISUAL NE SC SA
	0.00	24.58										**Fill:** gravelly sand, brown, dry	
					PVC TUBING, 50mm, SLOTTED OPENING 10 MILS		PU-9-1						
	0.65	23.93	▽										
	1.50	23.08										**Permafrost 1.50 metre,** iridescent water surface	

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
CF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
P — PERSISTENT
NE — NON-EXISTANT
SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: ---
SURFACE SEAL: ---
SEAL DEPTH: ---
SLOTTED PIPE LENGTH: ---
TUBING LENGTH: ---

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: ---
GROUD LEVEL: 24.58 metres
WATER TABLE LEVEL:
-- HOUR(s) AFTER DIGGING: 23.93

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TRENCH LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: PU-10
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Rock Lessard Inc.
OPERATOR: ---
TYPE OF TUBING: ---

STARTED ON: 15-08-94
SLOTTED PIPE Ø : ---
DRILL TYPE: Backhoe
METHOD (SOIL): ---
DRILLING FLUID: ---

ENDED ON: 15-08-94
TUBING Ø : ---
CORE SAMPLER Ø : ---
METHOD (ROCK): ---
DONE BY: E.Giroux

LEVELLING			MONITORING WELL		SAMPLE				GEOLOGY		OBSERVATIONS	
DEPTH (meters)	ELEVATION (meters)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR O W I P	VISUAL NE SC SA
0.00	24.64												
				PVC TUBING, 60mm, SLOTTED OPENING 10 MILS							**Fill:** gravelly sans, black, dry		
0.50	24.14	▽											
0.68	23.96					PU-10-1					**Silty sand,** brown, moist		
1.60	23.04										**Permafrost 1.60 metre**		

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
CF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
P — PERSISTENT
NE — NON-EXISTANT
SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: ---
SURFACE SEAL: ---
SEAL DEPTH: ---
SLOTTED PIPE LENGTH: ---
TUBING LENGTH: ---

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: ---
GROUD LEVEL: 24.64 metres
WATER TABLE LEVEL:
-- HOUR(s) AFTER DIGGING: 23.96

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TRENCH LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: PU-11
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Rock Lessard Inc.
OPERATOR: ---
TYPE OF TUBING: ---

STARTED ON: 15-08-94
SLOTTED PIPE Ø : ---
DRILL TYPE: Backhoe
METHOD (SOIL): ---
DRILLING FLUID: ---

ENDED ON: 15-08-94
TUBING Ø : ---
CORE SAMPLER Ø : ---
METHOD (ROCK): ---
DONE BY: E.Giroux

LEVELLING			MONITORING WELL		SAMPLE					GEOLOGY		OBSERVATIONS	
DEPTH (meters)	ELEVATION (meters)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR O W I P	VISUAL NE SC SA
0.00	31.28												
0.20	31.08			PVC TUBING, 50mm, SLOTTED OPENING 10 MILS							**Fill:** crushed rock, 10-0mm		
0.50	30.78										**Fill:** gravelly sand, brown, dry		
0.80	30.48	▽				PU-11-1					**Gravel,** grey, moist		
1.50	29.78										**Permafrost 1.50 metre,** iridescent water surface		

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
CF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
P — PERSISTENT
NE — NON-EXISTANT
SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: ---
SURFACE SEAL: ---
SEAL DEPTH: ---
SLOTTED PIPE LENGTH: ---
TUBING LENGTH: ---

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: ---
GROUD LEVEL: 31.28 metres
WATER TABLE LEVEL:
-- HOUR(s) AFTER DIGGING: 30.48

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Tel. : (418) 653-4422 Fax. : (418) 653-3583

TRENCH LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: PU-12
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Rock Lessard inc.
OPERATOR: ---
TYPE OF TUBING: ---

STARTED ON: 15-08-94
SLOTTED PIPE Ø : ---
DRILL TYPE: Backhoe
METHOD (SOIL): ---
DRILLING FLUID: ---

ENDED ON: 15-08-94
TUBING Ø : ---
CORE SAMPLER Ø : ---
METHOD (ROCK): ---
DONE BY: E.Giroux

LEVELLING			MONITORING WELL		SAMPLE					GEOLOGY		OBSERVATIONS	
DEPTH (meters)	ELEVATION (meters)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR O W I P NE	VISUAL SC SA
0.00	31.33					PU-12-1					**Fill:** gravelly sand, brown, with rock and wood lumps		
1.20	30.13										**Permafrost 1.20 metre**		

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
CF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
P — PERSISTENT
NE — NON-EXISTANT
SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: ---
SURFACE SEAL: ---
SEAL DEPTH: ---
SLOTTED PIPE LENGTH: ---
TUBING LENGTH: ---

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: ---
GROUD LEVEL: 31.33 metres
WATER TABLE LEVEL:
-- HOUR(s) AFTER DIGGING: ---

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TRENCH LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: PU-13
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Rock Lessard inc.
OPERATOR: ---
TYPE OF TUBING: ---

STARTED ON: 15-08-94
SLOTTED PIPE Ø : ---
DRILL TYPE: Backhoe
METHOD (SOIL): ---
DRILLING FLUID: ---

ENDED ON: 15-08-94
TUBING Ø : ---
CORE SAMPLER Ø : ---
METHOD (ROCK): ---
DONE BY: E.Giroux

LEVELLING			MONITORING WELL		SAMPLE					GEOLOGY		OBSERVATIONS	
DEPTH (meters)	ELEVATION (meters)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR O W I P	VISUAL NE SC SA
0.00	29.04					PU-13-1					**Fill:** gravelly sand, brown		
1.70	27.34										**Permafrost 1.70 metre**		

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
CF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
P — PERSISTENT
NE — NON-EXISTANT
SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: ---
SURFACE SEAL: ---
SEAL DEPTH: ---
SLOTTED PIPE LENGTH: ---
TUBING LENGTH: ---

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: ---
GROUD LEVEL: 29.04 metres
WATER TABLE LEVEL:
-- HOUR(s) AFTER DIGGING: ---

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TRENCH LOG

TRENCH #: PU-14
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Rock Lessard Inc.
OPERATOR: ---
TYPE OF TUBING: ---

STARTED ON: 15-08-94
SLOTTED PIPE Ø : ---
DRILL TYPE: Backhoe
METHOD (SOIL): ---
DRILLING FLUID: ---

ENDED ON: 15-08-94
TUBING Ø : ---
CORE SAMPLER Ø : ---
METHOD (ROCK): ---
DONE BY: E.Giroux

LEVELLING			MONITORING WELL		SAMPLE					GEOLOGY		OBSERVATIONS	
DEPTH (meters)	ELEVATION (meters)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR O W I P	VISUAL NE SC SA
0.00	28.31	▽											
0.10	28.21			PVC TUBING, 50mm, SLOTTED OPENING 10 MILS		PU-14-1					**Peaty soil**, black **Fine sand**, brown, moist		
1.30	27.01										**Gravel** with sand, grey, saturated		
1.70	26.61										**Permafrost 1.70 metre**		

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
CF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
P — PERSISTENT
NE — NON-EXISTANT
SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: ---
SURFACE SEAL: ---
SEAL DEPTH: ---
SLOTTED PIPE LENGTH: ---
TUBING LENGTH: ---

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: ---
GROUD LEVEL: 28.31 metres
WATER TABLE LEVEL:
-- HOUR(s) AFTER DIGGING: 28.21

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TRENCH LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: PU-15
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Rock Lessard Inc.
OPERATOR: ---
TYPE OF TUBING: ---

STARTED ON: 15-08-94
SLOTTED PIPE Ø : ---
DRILL TYPE: Backhoe
METHOD (SOIL): ---
DRILLING FLUID: ---

ENDED ON: 15-08-94
TUBING Ø : ---
CORE SAMPLER Ø : ---
METHOD (ROCK): ---
DONE BY: E.Giroux

LEVELLING			MONITORING WELL		SAMPLE					GEOLOGY		OBSERVATIONS
	DEPTH (meters)	ELEVATION (meters)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR O W I P / VISUAL NE SC SA
	0.00	31.61					PU-15-1					**Fill:** gravelly sand, brown, dry	
	1.60	30.01										**Permafrost 1.60 metre**	

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
CF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
P — PERSISTENT
NE — NON-EXISTANT
SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: ---
SURFACE SEAL: ---
SEAL DEPTH: ---
SLOTTED PIPE LENGTH: ---
TUBING LENGTH: ---

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: ---
GROUD LEVEL: 31.61 metres
WATER TABLE LEVEL:
-- HOUR(s) AFTER DIGGING: ---

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TRENCH LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: PU-16
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Rock Lessard Inc.
OPERATOR: ---
TYPE OF TUBING: ---

STARTED ON: 15-08-94
SLOTTED PIPE Ø : ---
DRILL TYPE: Backhoe
METHOD (SOIL): ---
DRILLING FLUID: ---

ENDED ON: 15-08-94
TUBING Ø : ---
CORE SAMPLER Ø : ---
METHOD (ROCK): ---
DONE BY: E.Giroux

LEVELLING			MONITORING WELL		SAMPLE					GEOLOGY		OBSERVATIONS	
DEPTH (meters)	ELEVATION (meters)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR (O W I P)	VISUAL (NE SC SA)
0.00	31.65					PU-16-1					**Fill:** gravelly sand, brown, dry		
1.60	30.05										**Permafrost 1.60 metre**		

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
CF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
P — PERSISTENT
NE — NON-EXISTANT
SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: ---
SURFACE SEAL: ---
SEAL DEPTH: ---
SLOTTED PIPE LENGTH: ---
TUBING LENGTH: ---

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: ---
GROUD LEVEL: 31.65 metres
WATER TABLE LEVEL:
-- HOUR(s) AFTER DIGGING: ---

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TRENCH LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: PU-17
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Rock Lessard Inc.
OPERATOR: ---
TYPE OF TUBING: ---

STARTED ON: 15-08-94
SLOTTED PIPE Ø : ---
DRILL TYPE: Backhoe
METHOD (SOIL): ---
DRILLING FLUID: ---

ENDED ON: 15-08-94
TUBING Ø : ---
CORE SAMPLER Ø : ---
METHOD (ROCK): ---
DONE BY: E.Giroux

LEVELLING			MONITORING WELL		SAMPLE					GEOLOGY		OBSERVATIONS	
DEPTH (meters)	ELEVATION (meters)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR O W I P	VISUAL NE SC SA
0.00	27.13												
0.30	26.83	▽		PVC TUBING, 50mm, SLOTTED OPENING 10 MILS		PU-17-1					**Peaty soil,** black **Silty sand,** brown, moist		
1.60	25.53										**Permafrost 1.60 metre,** iridescent water surface		

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
CF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
P — PERSISTENT
NE — NON-EXISTANT
SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: ---
SURFACE SEAL: ---
SEAL DEPTH: ---
SLOTTED PIPE LENGTH: ---
TUBING LENGTH: ---

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: ---
GROUD LEVEL: 27.13 metres
WATER TABLE LEVEL:
-- HOUR(s) AFTER DIGGING: 26.83

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TRENCH LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: PU-18
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Rock Lessard Inc.
OPERATOR: ---
TYPE OF TUBING: ---

STARTED ON: 15-08-94
SLOTTED PIPE Ø : ---
DRILL TYPE: Backhoe
METHOD (SOIL): ---
DRILLING FLUID: ---

ENDED ON: 15-08-94
TUBING Ø : ---
CORE SAMPLER Ø : ---
METHOD (ROCK): ---
DONE BY: E.Giroux

LEVELLING			MONITORING WELL		SAMPLE					GEOLOGY		OBSERVATIONS	
DEPTH (meters)	ELEVATION (meters)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR O W I P	VISUAL NE SC SA
0.00	27.03										**Peaty soil,** black		
0.40	26.63	▽		PVC TUBING, 50mm, SLOTTED OPENING 10 MILS		PU-18-1					**Silty sand,** brown, moist		
1.50	25.53										**Permafrost 1.50 metre,** iridescent water surface		

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
CF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
P — PERSISTENT
NE — NON-EXISTANT
SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: ---
SURFACE SEAL: ---
SEAL DEPTH: ---
SLOTTED PIPE LENGTH: ---
TUBING LENGTH: ---

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: ---
GROUD LEVEL: 27.03 metres
WATER TABLE LEVEL:
-- HOUR(s) AFTER DIGGING: 26.63

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TRENCH LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: PU-19
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Rock Lessard Inc.
OPERATOR: ---
TYPE OF TUBING: ---

STARTED ON: 15-08-94
SLOTTED PIPE Ø : ---
DRILL TYPE: Backhoe
METHOD (SOIL): ---
DRILLING FLUID: ---

ENDED ON: 15-08-94
TUBING Ø : ---
CORE SAMPLER Ø : ---
METHOD (ROCK): ---
DONE BY: E.Giroux

LEVELLING			MONITORING WELL		SAMPLE					GEOLOGY		OBSERVATIONS	
DEPTH (meters)	ELEVATION (meters)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR O W I P	VISUAL NE SC SA
0.00	27.08												
0.24	26.84	▽		PVC TUBING, 50mm, SLOTTED OPENING 10 MILS		PU-19-1					**Fill:** gravelly sand, black and brown, moist		
1.60	25.48										**Permafrost 1.60 metre,** iridescent water surface		

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
CF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
P — PERSISTENT
NE — NON-EXISTANT
SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: ---
SURFACE SEAL: ---
SEAL DEPTH: ---
SLOTTED PIPE LENGTH: ---
TUBING LENGTH: ---

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: ---
GROUD LEVEL: 27.08 metres
WATER TABLE LEVEL:
-- HOUR(s) AFTER DIGGING: 26.84

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TRENCH LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: PU-20
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Rock Lessard inc.
OPERATOR: ---
TYPE OF TUBING: ---

STARTED ON: 15-08-94
SLOTTED PIPE Ø : ---
DRILL TYPE: Backhoe
METHOD (SOIL): ---
DRILLING FLUID: ---

ENDED ON: 15-08-94
TUBING Ø : ---
CORE SAMPLER Ø : ---
METHOD (ROCK): ---
DONE BY: E.Giroux

LEVELLING			MONITORING WELL		SAMPLE					GEOLOGY		OBSERVATIONS	
DEPTH (meters)	ELEVATION (meters)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR O W I P	VISUAL NE SC SA
0.00	25.38					PU-20-1					**Fill:** gravelly sand with silt, brown, moist		
1.30	24.08										**Permafrost 1.30 metre,** iridescent water surface		

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
CF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
P — PERSISTENT
NE — NON-EXISTANT
SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: ---
SURFACE SEAL: ---
SEAL DEPTH: ---
SLOTTED PIPE LENGTH: ---
TUBING LENGTH: ---

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: ---
GROUD LEVEL: 25.38 metres
WATER TABLE LEVEL:
-- HOUR(s) AFTER DIGGING: ---

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TRENCH LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: PU-21
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Rock Lessard Inc.
OPERATOR: ---
TYPE OF TUBING: ---

STARTED ON: 15-08-94
SLOTTED PIPE Ø : ---
DRILL TYPE: Backhoe
METHOD (SOIL): ---
DRILLING FLUID: ---

ENDED ON: 15-08-94
TUBING Ø : ---
CORE SAMPLER Ø : ---
METHOD (ROCK): ---
DONE BY: E.Giroux

LEVELLING			MONITORING WELL		SAMPLE					GEOLOGY		OBSERVATIONS		
	DEPTH (meters)	ELEVATION (meters)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR	VISUAL
	0.00	25.41												
0							PU-21-1					**Fill:** gravelly sand with silt, brown, moist		
1	1.40	24.01										**Permafrost 1.40 metre**		
2														
3														
4														
5														
6														
7														
8														

ODOUR: O — W — I — P
VISUAL: NE — SC — SA

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
CF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
P — PERSISTENT
NE — NON-EXISTANT
SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: ---
SURFACE SEAL: ---
SEAL DEPTH: ---
SLOTTED PIPE LENGTH: ---
TUBING LENGTH: ---

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: ---
GROUD LEVEL: 25.41 metres
WATER TABLE LEVEL:
-- HOUR(s) AFTER DIGGING: ---

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TRENCH LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: PU-22
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Rock Lessard Inc.
OPERATOR: ---
TYPE OF TUBING: ---

STARTED ON: 15-08-94
SLOTTED PIPE Ø : ---
DRILL TYPE: Backhoe
METHOD (SOIL): ---
DRILLING FLUID: ---

ENDED ON: 15-08-94
TUBING Ø : ---
CORE SAMPLER Ø : ---
METHOD (ROCK): ---
DONE BY: E.Giroux

LEVELLING			MONITORING WELL		SAMPLE					GEOLOGY		OBSERVATIONS						
DEPTH (meters)	ELEVATION (meters)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR			VISUAL			
												O	W	I	P	NE	SC	SA
0.00	25.91					PU-22-1					**Bitumen**, black, dry **Fill:** gravelly sand, brown, moist							
2.00	23.91										**Permafrost 2.00 metres**							

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
CF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
P — PERSISTENT
NE — NON-EXISTANT
SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: ---
SURFACE SEAL: ---
SEAL DEPTH: ---
SLOTTED PIPE LENGTH: ---
TUBING LENGTH: ---

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: ---
GROUD LEVEL: 25.91 metres
WATER TABLE LEVEL:
-- HOUR(s) AFTER DIGGING: ---

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Tel. : (418) 653-4422 Fax. : (418) 653-3683

TRENCH LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: PU-23
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Rock Lessard inc.
OPERATOR: ---
TYPE OF TUBING: ---

STARTED ON: 15-08-94
SLOTTED PIPE Ø : ---
DRILL TYPE: Backhoe
METHOD (SOIL): ---
DRILLING FLUID: ---

ENDED ON: 15-08-94
TUBING Ø : ---
CORE SAMPLER Ø : ---
METHOD (ROCK): ---
DONE BY: E.Giroux

LEVELLING			MONITORING WELL		SAMPLE					GEOLOGY		OBSERVATIONS	
DEPTH (meters)	ELEVATION (meters)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR O W I P NE	VISUAL SC SA
0.00	25.92			PVC TUBING, 50mm, SLOTTED OPENING 10 MILS		PU-23-1					**Bitumen**, black, dry **Fill:** gravelly sand, brown, moist		
1.85	23.87	▽											
2.00	23.92										**Permafrost 2.00 metres**		

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
CF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
P — PERSISTENT
NE — NON-EXISTANT
SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: ---
SURFACE SEAL: ---
SEAL DEPTH: ---
SLOTTED PIPE LENGTH: ---
TUBING LENGTH: ---

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: ---
GROUD LEVEL: 25.92 metres
WATER TABLE LEVEL:
-- HOUR(s) AFTER DIGGING: 23.97

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TRENCH LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: PU-24
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Rock Lessard Inc.
OPERATOR: ---
TYPE OF TUBING: ---

STARTED ON: 15-08-94
SLOTTED PIPE Ø : ---
DRILL TYPE: Backhoe
METHOD (SOIL): ---
DRILLING FLUID: ---

ENDED ON: 15-08-94
TUBING Ø : ---
CORE SAMPLER Ø : ---
METHOD (ROCK): ---
DONE BY: E.Giroux

LEVELLING			MONITORING WELL		SAMPLE					GEOLOGY		OBSERVATIONS	
DEPTH (meters)	ELEVATION (meters)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR O W I P	VISUAL NE SC SA
0.00	25.94												
0.41	25.53	▽		PVC TUBING, 50mm, SLOTTED OPENING 10 MILS		PU-24-1					**Fill:** gravelly sand, brown, moist		
2.00	23.94										**Permafrost 2.00 metres,** iridescent water surface		

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
CF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
P — PERSISTENT
NE — NON-EXISTANT
SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: ---
SURFACE SEAL: ---
SEAL DEPTH: ---
SLOTTED PIPE LENGTH: ---
TUBING LENGTH: ---

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: ---
GROUD LEVEL: 25.94 metres
WATER TABLE LEVEL:
-- HOUR(s) AFTER DIGGING: 25.53

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TRENCH LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: PU-25
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Rock Lessard inc.
OPERATOR: ---
TYPE OF TUBING: ---

STARTED ON: 15-08-94
SLOTTED PIPE Ø : ---
DRILL TYPE: Backhoe
METHOD (SOIL): ---
DRILLING FLUID: ---

ENDED ON: 15-08-94
TUBING Ø : ---
CORE SAMPLER Ø : ---
METHOD (ROCK): ---
DONE BY: E.Giroux

LEVELLING			MONITORING WELL		SAMPLE					GEOLOGY		OBSERVATIONS	
DEPTH (meters)	ELEVATION (meters)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR O W I P	VISUAL NE SC SA
0.00	25.93										**Fill:** gravelly sand, brown, moist		
						PU-25-1							
2.00	23.93										**Permafrost 2.00 metres**		

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
CF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
P — PERSISTENT
NE — NON-EXISTANT
SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: ---
SURFACE SEAL: ---
SEAL DEPTH: ---
SLOTTED PIPE LENGTH: ---
TUBING LENGTH: ---

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: ---
GROUD LEVEL: 25.93 metres
WATER TABLE LEVEL:
-- HOUR(s) AFTER DIGGING: ---

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TRENCH LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: PU-26
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Rock Lessard inc.
OPERATOR: ---
TYPE OF TUBING: ---

STARTED ON: 15-08-94
SLOTTED PIPE Ø : ---
DRILL TYPE: Backhoe
METHOD (SOIL): ---
DRILLING FLUID: ---

ENDED ON: 15-08-94
TUBING Ø : ---
CORE SAMPLER Ø : ---
METHOD (ROCK): ---
DONE BY: E.Giroux

LEVELLING			MONITORING WELL		SAMPLE					GEOLOGY		OBSERVATIONS	
	DEPTH (meters)	ELEVATION (meters)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR O W I P / VISUAL NE SC SA
	0.00	25.96											
0												**Fill:** gravelly sand, brown, moist	
1							PU-26-1						
2	2.00	23.96										**Permafrost 2.00 metres,** iridescent water surface	
3													
4													
5													
6													
7													
8													

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
OF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
P — PERSISTENT
NE — NON-EXISTANT
SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: ---
SURFACE SEAL: ---
SEAL DEPTH: ---
SLOTTED PIPE LENGTH: ---
TUBING LENGTH: ---

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: ---
GROUD LEVEL: 25.96 metres
WATER TABLE LEVEL:
-- HOUR(s) AFTER DIGGING: ---

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TRENCH LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: PU-27
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Rock Lessard Inc.
OPERATOR: ---
TYPE OF TUBING: ---

STARTED ON: 15-08-94
SLOTTED PIPE Ø : ---
DRILL TYPE: Backhoe
METHOD (SOIL): ---
DRILLING FLUID: ---

ENDED ON: 15-08-94
TUBING Ø : ---
CORE SAMPLER Ø : ---
METHOD (ROCK): ---
DONE BY: E.Giroux

LEVELLING			MONITORING WELL		SAMPLE					GEOLOGY		OBSERVATIONS	
DEPTH (meters)	ELEVATION (meters)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR O W I P	VISUAL NE SC SA
0.00	25.91												
0.37	25.54	▽		PVC TUBING, 60mm, SLOTTED OPENING 10 MILS		PU-27-1					**Fill:** gravelly sand, brown, moist		
2.00	23.91										**Permafrost 2.00 metres,** iridescent water surface		

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
CF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
P — PERSISTENT
NE — NON-EXISTANT
SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: ---
SURFACE SEAL: ---
SEAL DEPTH: ---
SLOTTED PIPE LENGTH: ---
TUBING LENGTH: ---

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: ---
GROUD LEVEL: 25.91 metres
WATER TABLE LEVEL:
-- HOUR(s) AFTER DIGGING: 25.54

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TRENCH LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: PU-28
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Rock Lessard inc.
OPERATOR: ---
TYPE OF TUBING: ---

STARTED ON: 15-08-94
SLOTTED PIPE Ø : ---
DRILL TYPE: Backhoe
METHOD (SOIL): ---
DRILLING FLUID: ---

ENDED ON: 15-08-94
TUBING Ø : ---
CORE SAMPLER Ø : ---
METHOD (ROCK): ---
DONE BY: E.Giroux

LEVELLING			MONITORING WELL		SAMPLE					GEOLOGY		OBSERVATIONS	
DEPTH (meters)	ELEVATION (meters)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR O W I P	VISUAL NE SC SA
0.00	20.12			PVC TUBING, 60mm, SLOTTED OPENING 10 MILS		PU-28-1					**Gravelly sand**, grey, moist		
1.10	19.02										**Permafrost 1.10 metre**, iridescent water surface		

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
CF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
P — PERSISTENT
NE — NON-EXISTANT
SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: ---
SURFACE SEAL: ---
SEAL DEPTH: ---
SLOTTED PIPE LENGTH: ---
TUBING LENGTH: ---

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: ---
GROUD LEVEL: 20.12 metres
WATER TABLE LEVEL:
-- HOUR(s) AFTER DIGGING: ---

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TRENCH LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: PU-29
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Rock Lessard inc.
OPERATOR: ---
TYPE OF TUBING: ---

STARTED ON: 15-08-94
SLOTTED PIPE Ø : ---
DRILL TYPE: Backhoe
METHOD (SOIL): ---
DRILLING FLUID: ---

ENDED ON: 15-08-94
TUBING Ø : ---
CORE SAMPLER Ø : ---
METHOD (ROCK): ---
DONE BY: E.Giroux

LEVELLING			MONITORING WELL		SAMPLE					GEOLOGY		OBSERVATIONS
DEPTH (meters)	ELEVATION (meters)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR O W I P / VISUAL NE SC SA
0.00	23.33					PU-29-1					**Fill:** gravelly sand, black, dry	
1.00	22.33										**Medium sand,** brown, moist	
1.40	21.93										**Permafrost 1.40 metre**	

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
CF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
P — PERSISTENT
NE — NON-EXISTANT
SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: ---
SURFACE SEAL: ---
SEAL DEPTH: ---
SLOTTED PIPE LENGTH: ---
TUBING LENGTH: ---

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: ---
GROUD LEVEL: 23.33 metres
WATER TABLE LEVEL:
-- HOUR(s) AFTER DIGGING: ---

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TRENCH LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: PU-30
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Rock Lessard inc.
OPERATOR: ---
TYPE OF TUBING: ---

STARTED ON: 15-08-94
SLOTTED PIPE Ø : ---
DRILL TYPE: Backhoe
METHOD (SOIL): ---
DRILLING FLUID: ---

ENDED ON: 15-08-94
TUBING Ø : ---
CORE SAMPLER Ø : ---
METHOD (ROCK): ---
DONE BY: E.Giroux

LEVELLING			MONITORING WELL		SAMPLE					GEOLOGY		OBSERVATIONS	
DEPTH (meters)	ELEVATION (meters)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR O W I P	VISUAL NE SC SA
0.00	21.66	▽											
0.20	21.46		PVC TUBING, 50mm, SLOTTED OPENING 10 MILS			PU-30-1					**Peaty soil**, black **Medium sand**, black, moist		
1.30	20.36										**Permafrost 1.30 metre**		

0 1 2 3 4 5 6 7 8

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
CF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
P — PERSISTENT
NE — NON-EXISTANT
SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: ---
SURFACE SEAL: ---
SEAL DEPTH: ---
SLOTTED PIPE LENGTH: ---
TUBING LENGTH: ---

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: ---
GROUD LEVEL: 21.66 metres
WATER TABLE LEVEL:
-- HOUR(s) AFTER DIGGING: 21.46

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TRENCH LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: PU-31
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Rock Lessard inc.
OPERATOR: ---
TYPE OF TUBING: ---

STARTED ON: 15-08-94
SLOTTED PIPE Ø : ---
DRILL TYPE: Backhoe
METHOD (SOIL): ---
DRILLING FLUID: ---

ENDED ON: 15-08-94
TUBING Ø : ---
CORE SAMPLER Ø : ---
METHOD (ROCK): ---
DONE BY: E.Giroux

LEVELLING			MONITORING WELL		SAMPLE					GEOLOGY		OBSERVATIONS	
DEPTH (meters)	ELEVATION (meters)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR O W I P	VISUAL NE SC SA
0.00	22.04												
											Peaty soil, black		
0.40	21.64	▽		PVC TUBING, 60mm, SLOTTED OPENING 10 MILS		PU-31-1					**Fill:** gravelly sand, brown, moist		
1.20	20.84										**Permafrost 1.20 metre**		

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
CF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
P — PERSISTENT
NE — NON-EXISTANT
SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: ---
SURFACE SEAL: ---
SEAL DEPTH: ---
SLOTTED PIPE LENGTH: ---
TUBING LENGTH: ---

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: ---
GROUD LEVEL: 22.04 metres
WATER TABLE LEVEL:
-- HOUR(s) AFTER DIGGING: 21.64

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TRENCH LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: PU-32
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Rock Lessard Inc.
OPERATOR: ---
TYPE OF TUBING: ---

STARTED ON: 16-08-94
SLOTTED PIPE Ø : ---
DRILL TYPE: Backhoe
METHOD (SOIL): ---
DRILLING FLUID: ---

ENDED ON: 16-08-94
TUBING Ø : ---
CORE SAMPLER Ø : ---
METHOD (ROCK): ---
DONE BY: E.Giroux

LEVELLING			MONITORING WELL		SAMPLE					GEOLOGY		OBSERVATIONS	
DEPTH (meters)	ELEVATION (meters)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR O W I P	VISUAL NE SC SA
0.00	20.21												
0				PVC TUBING, 50mm, SLOTTED OPENING 10 MILS		PU-32-1					**Fill:** gravelly sand, brown, moist		
1.50	18.71										**Permafrost 1.50 metre**		
1													
2													
3													
4													
5													
6													
7													
8													

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
CF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
P — PERSISTENT
NE — NON-EXISTANT
SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: ---
SURFACE SEAL: ---
SEAL DEPTH: ---
SLOTTED PIPE LENGTH: ---
TUBING LENGTH: ---

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: ---
GROUD LEVEL: 20.21 metres
WATER TABLE LEVEL:
-- HOUR(s) AFTER DIGGING: ---

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TRENCH LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: PU-33
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Rock Lessard inc.
OPERATOR: ---
TYPE OF TUBING: ---

STARTED ON: 16-08-94
SLOTTED PIPE Ø : ---
DRILL TYPE: Backhoe
METHOD (SOIL): ---
DRILLING FLUID: ---

ENDED ON: 16-08-94
TUBING Ø : ---
CORE SAMPLER Ø : ---
METHOD (ROCK): ---
DONE BY: E.Giroux

LEVELLING			MONITORING WELL		SAMPLE					GEOLOGY		OBSERVATIONS	
DEPTH (meters)	ELEVATION (meters)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR O W I P	VISUAL NE SC SA
0.00	21.18			PVC TUBING, 50mm, SLOTTED OPENING 10 MILS		PU-33-1					**Fill:** gravelly sand, brown, moist		
1.20	19.98										**Permafrost 1.20 metre**		

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
CF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
P — PERSISTENT
NE — NON-EXISTANT
SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: ---
SURFACE SEAL: ---
SEAL DEPTH: ---
SLOTTED PIPE LENGTH: ---
TUBING LENGTH: ---

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: ---
GROUD LEVEL: 21.18 metres
WATER TABLE LEVEL:
-- HOUR(s) AFTER DIGGING: ---

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TRENCH LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: PU-34
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Rock Lessard inc.
OPERATOR: ---
TYPE OF TUBING: ---

STARTED ON: 16-08-94
SLOTTED PIPE Ø : ---
DRILL TYPE: Backhoe
METHOD (SOIL): ---
DRILLING FLUID: ---

ENDED ON: 16-08-94
TUBING Ø : ---
CORE SAMPLER Ø : ---
METHOD (ROCK): ---
DONE BY: E.Giroux

LEVELLING			MONITORING WELL		SAMPLE					GEOLOGY		OBSERVATIONS					
DEPTH (meters)	ELEVATION (meters)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR			VISUAL		
												O	W	I	P	NE	SC	SA
0.00	21.07			PVC TUBING, 50mm, SLOTTED OPENING 10 MILS		PU-34-1					**Fill:** gravelly sand, brown, saturated							
1.20	19.87										**Permafrost 1.20 metre**							

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
CF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
P — PERSISTENT
NE — NON-EXISTANT
SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: ---
SURFACE SEAL: ---
SEAL DEPTH: ---
SLOTTED PIPE LENGTH: ---
TUBING LENGTH: ---

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: ---
GROUD LEVEL: 21.07 metres
WATER TABLE LEVEL:
-- HOUR(s) AFTER DIGGING: ---

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TRENCH LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: PU-35
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Rock Lessard inc.
OPERATOR: ---
TYPE OF TUBING: ---

STARTED ON: 16-08-94
SLOTTED PIPE Ø : ---
DRILL TYPE: Backhoe
METHOD (SOIL): ---
DRILLING FLUID: ---

ENDED ON: 16-08-94
TUBING Ø : ---
CORE SAMPLER Ø : ---
METHOD (ROCK): ---
DONE BY: E.Giroux

LEVELLING			MONITORING WELL		SAMPLE					GEOLOGY		OBSERVATIONS
DEPTH (meters)	ELEVATION (meters)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR O W I P NE / VISUAL SC SA
0.00	27.44			PVC TUBING, 50mm, SLOTTED OPENING 10 MILS		PU-35-1					**Fill:** silty and gravelly sand, brown, moist	
2.00	25.44										**Permafrost 2.00 metres**	

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
CF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
P — PERSISTENT
NE — NON-EXISTANT
SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: ---
SURFACE SEAL: ---
SEAL DEPTH: ---
SLOTTED PIPE LENGTH: ---
TUBING LENGTH: ---

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: ---
GROUD LEVEL: 27.44 metres
WATER TABLE LEVEL:
-- HOUR(s) AFTER DIGGING: ---

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TRENCH LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: PU-36
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Rock Lessard inc.
OPERATOR: ---
TYPE OF TUBING: ---

STARTED ON: 16-08-94
SLOTTED PIPE Ø : ---
DRILL TYPE: Backhoe
METHOD (SOIL): ---
DRILLING FLUID: ---

ENDED ON: 16-08-94
TUBING Ø : ---
CORE SAMPLER Ø : ---
METHOD (ROCK): ---
DONE BY: E.Giroux

LEVELLING			MONITORING WELL		SAMPLE					GEOLOGY		OBSERVATIONS	
DEPTH (meters)	ELEVATION (meters)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR O W I P	VISUAL NE SC SA
0.00	27.45												
				PVC TUBING, 50mm, SLOTTED OPENING 10 MILS		PU-36-1					**Fill:** gravelly sand with metal scrap		
1.15 1.20	26.30 26.25	▽									**Permafrost 1.20 metre**		

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
CF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
P — PERSISTENT
NE — NON-EXISTANT
SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: ---
SURFACE SEAL: ---
SEAL DEPTH: ---
SLOTTED PIPE LENGTH: ---
TUBING LENGTH: ---

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: ---
GROUD LEVEL: 27.45 metres
WATER TABLE LEVEL:
-- HOUR(s) AFTER DIGGING: 26.30

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TRENCH LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: PU-37
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Rock Lessard Inc.
OPERATOR: ---
TYPE OF TUBING: ---

STARTED ON: 16-08-94
SLOTTED PIPE Ø : ---
DRILL TYPE: Backhoe
METHOD (SOIL): ---
DRILLING FLUID: ---

ENDED ON: 16-08-94
TUBING Ø : ---
CORE SAMPLER Ø : ---
METHOD (ROCK): ---
DONE BY: E.Giroux

LEVELLING			MONITORING WELL		SAMPLE					GEOLOGY		OBSERVATIONS	
DEPTH (meters)	ELEVATION (meters)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR (O W I P)	VISUAL (NE SC SA)
0.00	27.25			PVC TUBING, 50mm, SLOTTED OPENING 10 MILS		PU-37-1					**Fill:** fine sand, grey, moist		
0.97	26.28	▽											
1.20	26.05										**Permafrost 1.20 metre**		

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
CF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
P — PERSISTENT
NE — NON-EXISTANT
SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: ---
SURFACE SEAL: ---
SEAL DEPTH: ---
SLOTTED PIPE LENGTH: ---
TUBING LENGTH: ---

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: ---
GROUD LEVEL: 27.25 metres
WATER TABLE LEVEL:
-- HOUR(s) AFTER DIGGING: 26.28

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TRENCH LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: PU-38
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Rock Lessard inc.
OPERATOR: ---
TYPE OF TUBING: ---

STARTED ON: 16-08-94
SLOTTED PIPE Ø : ---
DRILL TYPE: Backhoe
METHOD (SOIL): ---
DRILLING FLUID: ---

ENDED ON: 16-08-94
TUBING Ø : ---
CORE SAMPLER Ø : ---
METHOD (ROCK): ---
DONE BY: E.Giroux

LEVELLING			MONITORING WELL		SAMPLE					GEOLOGY		OBSERVATIONS
DEPTH (meters)	ELEVATION (meters)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR O W I P / VISUAL NE SC SA
0.00	27.29			PVC TUBING, 50mm, SLOTTED OPENING 10 MILS		PU-38-1					**Fill:** fine sand, grey, moist	
1.20	26.09										**Permafrost 1.20 metre**	

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
CF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
P — PERSISTENT
NE — NON-EXISTANT
SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: ---
SURFACE SEAL: ---
SEAL DEPTH: ---
SLOTTED PIPE LENGTH: ---
TUBING LENGTH: ---

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: ---
GROUD LEVEL: 27.29 metres
WATER TABLE LEVEL:
-- HOUR(s) AFTER DIGGING: ____

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TRENCH LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: PU-39
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Rock Lessard Inc.
OPERATOR: ---
TYPE OF TUBING: ---

STARTED ON: 16-08-94
SLOTTED PIPE Ø : ---
DRILL TYPE: Backhoe
METHOD (SOIL): ---
DRILLING FLUID: ---

ENDED ON: 16-08-94
TUBING Ø : ---
CORE SAMPLER Ø : ---
METHOD (ROCK): ---
DONE BY: E.Giroux

LEVELLING			MONITORING WELL		SAMPLE					GEOLOGY		OBSERVATIONS	
DEPTH (meters)	ELEVATION (meters)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR O W I P NE	VISUAL SC SA
0.00	25.61			PVC TUBING, 50mm, SLOTTED OPENING 10 MILS		PU-39-1					**Fill:** fine sand, grey, moist		
1.20	24.41										**Permafrost 1.20 metre**		

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
CF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
P — PERSISTENT
NE — NON-EXISTANT
SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: ---
SURFACE SEAL: ---
SEAL DEPTH: ---
SLOTTED PIPE LENGTH: ---
TUBING LENGTH: ---

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: ---
GROUD LEVEL: 25.61 metres
WATER TABLE LEVEL:
-- HOUR(s) AFTER DIGGING: ---

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TRENCH LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: PU-40
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Rock Lessard Inc.
OPERATOR: ---
TYPE OF TUBING: ---

STARTED ON: 16-08-94
SLOTTED PIPE Ø : ---
DRILL TYPE: Backhoe
METHOD (SOIL): ---
DRILLING FLUID: ---

ENDED ON: 16-08-94
TUBING Ø : ---
CORE SAMPLER Ø : ---
METHOD (ROCK): ---
DONE BY: E.Giroux

LEVELLING			MONITORING WELL		SAMPLE					GEOLOGY		OBSERVATIONS	
DEPTH (meters)	ELEVATION (meters)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR O W I P	VISUAL NE SC SA
0.00	26.21										**Fill:** gravelly sand, brown, dry		
0.50	25.71					PU-40-1					**Fill:** fine sand, grey, moist		
1.20	25.01										**Permafrost 1.20 metre**		

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
CF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
P — PERSISTENT
NE — NON-EXISTANT
SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: ---
SURFACE SEAL: ---
SEAL DEPTH: ---
SLOTTED PIPE LENGTH: ---
TUBING LENGTH: ---

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: ---
GROUD LEVEL: 26.21 metres
WATER TABLE LEVEL:
-- HOUR(s) AFTER DIGGING: ---

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TRENCH LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: PU-41
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Rock Lessard inc.
OPERATOR: ---
TYPE OF TUBING: ---

STARTED ON: 16-08-94
SLOTTED PIPE Ø : ---
DRILL TYPE: Backhoe
METHOD (SOIL): ---
DRILLING FLUID: ---

ENDED ON: 16-08-94
TUBING Ø : ---
CORE SAMPLER Ø : ---
METHOD (ROCK): ---
DONE BY: E.Giroux

LEVELLING			MONITORING WELL		SAMPLE					GEOLOGY		OBSERVATIONS					
DEPTH (meters)	ELEVATION (meters)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR O	ODOUR W	ODOUR I	ODOUR P	VISUAL NE	VISUAL SC	VISUAL SA
0.00	26.52					PU-41-1					**Fill:** gravelly sand, grey, with metal scrap							
1.20	25.32										**Permafrost 1.20 metre**							

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
CF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
P — PERSISTENT
NE — NON-EXISTANT
SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: ---
SURFACE SEAL: ---
SEAL DEPTH: ---
SLOTTED PIPE LENGTH: ---
TUBING LENGTH: ---

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: ---
GROUD LEVEL: 26.52 metres
WATER TABLE LEVEL:
-- HOUR(s) AFTER DIGGING: ---

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TRENCH LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: PU-42
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Rock Lessard inc.
OPERATOR: ---
TYPE OF TUBING: ---

STARTED ON: 16-08-94
SLOTTED PIPE Ø : ---
DRILL TYPE: Backhoe
METHOD (SOIL): ---
DRILLING FLUID: ---

ENDED ON: 16-08-94
TUBING Ø : ---
CORE SAMPLER Ø : ---
METHOD (ROCK): ---
DONE BY: E.Giroux

LEVELLING			MONITORING WELL		SAMPLE					GEOLOGY		OBSERVATIONS	
DEPTH (meters)	ELEVATION (meters)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR O W I P	VISUAL NE SC SA
0.00	25.28					PU-42-1					**Fill:** gravelly sand, grey, with metal scrap		
1.30	23.98										**Permafrost 1.30 metre**		

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
CF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
P — PERSISTENT
NE — NON-EXISTANT
SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: ---
SURFACE SEAL: ---
SEAL DEPTH: ---
SLOTTED PIPE LENGTH: ---
TUBING LENGTH: ---

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: ---
GROUD LEVEL: 25.28 metres
WATER TABLE LEVEL:
-- HOUR(s) AFTER DIGGING: ---

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TRENCH LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: PU-43
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Rock Lessard Inc.
OPERATOR: ---
TYPE OF TUBING: ---

STARTED ON: 16-08-94
SLOTTED PIPE Ø : ---
DRILL TYPE: Backhoe
METHOD (SOIL): ---
DRILLING FLUID: ---

ENDED ON: 16-08-94
TUBING Ø : ---
CORE SAMPLER Ø : ---
METHOD (ROCK): ---
DONE BY: E.Giroux

LEVELLING			MONITORING WELL		SAMPLE					GEOLOGY		OBSERVATIONS	
DEPTH (meters)	ELEVATION (meters)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR O W I P NE	VISUAL SC SA
0.00	25.61					PU-43-1					**Fill:** gravelly sand, grey, with metal scrap		
1.20	24.41										**Permafrost 1.20 metre**		

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
CF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
P — PERSISTENT
NE — NON-EXISTANT
SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: ---
SURFACE SEAL: ---
SEAL DEPTH: ---
SLOTTED PIPE LENGTH: ---
TUBING LENGTH: ---

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: ---
GROUD LEVEL: 25.61 metres
WATER TABLE LEVEL:
-- HOUR(s) AFTER DIGGING: ---

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TRENCH LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: PU-44
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Rock Lessard inc.
OPERATOR: ---
TYPE OF TUBING: ---

STARTED ON: 16-08-94
SLOTTED PIPE Ø : ---
DRILL TYPE: Backhoe
METHOD (SOIL): ---
DRILLING FLUID: ---

ENDED ON: 16-08-94
TUBING Ø : ---
CORE SAMPLER Ø : ---
METHOD (ROCK): ---
DONE BY: E.Giroux

LEVELLING			MONITORING WELL		SAMPLE					GEOLOGY		OBSERVATIONS	
DEPTH (meters)	ELEVATION (meters)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR O W I P	VISUAL NE SC SA
0.00	25.39			PVC TUBING, 50mm, SLOTTED OPENING 10 MILS		PU-44-1					**Fill:** gravelly sand, grey, with metal scrap		
2.00	23.39										**Permafrost 2.00 metres**		

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
CF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
P — PERSISTENT
NE — NON-EXISTANT
SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: ---
SURFACE SEAL: ---
SEAL DEPTH: ---
SLOTTED PIPE LENGTH: ---
TUBING LENGTH: ---

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: ---
GROUD LEVEL: 25.39 metres
WATER TABLE LEVEL:
-- HOUR(s) AFTER DIGGING: ____

BIOGÉNIE Inc
ENVIRONNENT SPECIALISTS
350 rue Franquet, suite 10 Ste-Foy, Quebec G1P 3P3
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TRENCH LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: PU-45
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Rock Lessard inc.
OPERATOR: ---
TYPE OF TUBING: ---

STARTED ON: 16-08-94
SLOTTED PIPE Ø : ---
DRILL TYPE: Backhoe
METHOD (SOIL): ---
DRILLING FLUID: ---

ENDED ON: 16-08-94
TUBING Ø : ---
CORE SAMPLER Ø : ---
METHOD (ROCK): ---
DONE BY: E.Giroux

LEVELLING			MONITORING WELL		SAMPLE					GEOLOGY		OBSERVATIONS	
DEPTH (meters)	ELEVATION (meters)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR O W I P	VISUAL NE SC SA
0.00	25.52					PU-45-1					**Fill:** gravelly sand, grey, moist		
1.50	24.02										**Permafrost 1.50 metre**		

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
CF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
P — PERSISTENT
NE — NON-EXISTANT
SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: ---
SURFACE SEAL: ---
SEAL DEPTH: ---
SLOTTED PIPE LENGTH: ---
TUBING LENGTH: ---

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: ---
GROUD LEVEL: 25.52 metres
WATER TABLE LEVEL:
-- HOUR(s) AFTER DIGGING: ---

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TRENCH LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: PU-46
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Rock Lessard Inc.
OPERATOR: ---
TYPE OF TUBING: ---

STARTED ON: 16-08-94
SLOTTED PIPE Ø : ---
DRILL TYPE: Backhoe
METHOD (SOIL): ---
DRILLING FLUID: ---

ENDED ON: 16-08-94
TUBING Ø : ---
CORE SAMPLER Ø : ---
METHOD (ROCK): ---
DONE BY: E.Giroux

LEVELLING			MONITORING WELL		SAMPLE					GEOLOGY		OBSERVATIONS	
DEPTH (meters)	ELEVATION (meters)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR O W I P NE	VISUAL SC SA
0.00	24.69												
				PVC TUBING, 50mm, SLOTTED OPENING 10 MILS		PU-46-1					**Fill:** gravelly sand, brown, moist		
0.73	23.96	▽											
1.50	23.19										**Permafrost 1.50 metre**		

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
CF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
P — PERSISTENT
NE — NON-EXISTANT
SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: ---
SURFACE SEAL: ---
SEAL DEPTH: ---
SLOTTED PIPE LENGTH: ---
TUBING LENGTH: ---

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: ---
GROUD LEVEL: 24.69 metres
WATER TABLE LEVEL:
-- HOUR(s) AFTER DIGGING: 23.96

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TRENCH LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: PU-47
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Rock Lessard Inc.
OPERATOR: ---
TYPE OF TUBING: ---

STARTED ON: 16-08-94
SLOTTED PIPE Ø : ---
DRILL TYPE: Backhoe
METHOD (SOIL): ---
DRILLING FLUID: ---

ENDED ON: 16-08-94
TUBING Ø : ---
CORE SAMPLER Ø : ---
METHOD (ROCK): ---
DONE BY: E.Giroux

LEVELLING			MONITORING WELL		SAMPLE					GEOLOGY		OBSERVATIONS	
	DEPTH (meters)	ELEVATION (meters)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR O W I P / VISUAL NE SC SA
	0.00	24.69											
							PU-47-1					**Gravelly sand**, grey, moist	
	0.73	23.96	▽										
	1.30	23.39										**Permafrost 1.30 metre**	

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
CF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
P — PERSISTENT
NE — NON-EXISTANT
SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: ---
SURFACE SEAL: ---
SEAL DEPTH: ---
SLOTTED PIPE LENGTH: ---
TUBING LENGTH: ---

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: ---
GROUD LEVEL: 24.73 metres
WATER TABLE LEVEL:
-- HOUR(s) AFTER DIGGING: 23.96

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TRENCH LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: PU-48
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Rock Lessard inc.
OPERATOR: ---
TYPE OF TUBING: ---

STARTED ON: 16-08-94
SLOTTED PIPE Ø : ---
DRILL TYPE: Backhoe
METHOD (SOIL): ---
DRILLING FLUID: ---

ENDED ON: 16-08-94
TUBING Ø : ---
CORE SAMPLER Ø : ---
METHOD (ROCK): ---
DONE BY: E.Giroux

LEVELLING			MONITORING WELL		SAMPLE					GEOLOGY		OBSERVATIONS	
DEPTH (meters)	ELEVATION (meters)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR O W I P	VISUAL NE SC SA
0.00	24.51												
						PU-48-1					**Fill:** gravelly sand, black, dry		
0.30	24.21												
						PU-48-2					**Fill:** fine sand, grey, moist		
1.50	23.01												
											Permafrost 1.50 metre		

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
CF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
P — PERSISTENT
NE — NON-EXISTANT
SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: ---
SURFACE SEAL: ---
SEAL DEPTH: ---
SLOTTED PIPE LENGTH: ---
TUBING LENGTH: ---

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: ---
GROUD LEVEL: 24.51 metres
WATER TABLE LEVEL:
-- HOUR(s) AFTER DIGGING: ---

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TRENCH LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: PU-49
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Rock Lessard Inc.
OPERATOR: ---
TYPE OF TUBING: ---

STARTED ON: 16-08-94
SLOTTED PIPE Ø : ---
DRILL TYPE: Backhoe
METHOD (SOIL): ---
DRILLING FLUID: ---

ENDED ON: 16-08-94
TUBING Ø : ---
CORE SAMPLER Ø : ---
METHOD (ROCK): ---
DONE BY: E.Giroux

LEVELLING			MONITORING WELL		SAMPLE					GEOLOGY		OBSERVATIONS	
DEPTH (meters)	ELEVATION (meters)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR O W I P	VISUAL NE SC SA
0.00	24.22	▽											
0.13	24.09										**Peaty soil**, black		
0.20	24.02		PVC TUBING, 60mm, SLOTTED OPENING 10 MILS			PU-49-1					**Fill:** fine sand, brown, moist		
1.00	23.22										**Permafrost 1.00 metre**		

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
CF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
P — PERSISTENT
NE — NON-EXISTANT
SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: ---
SURFACE SEAL: ---
SEAL DEPTH: ---
SLOTTED PIPE LENGTH: ---
TUBING LENGTH: ---

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: ---
GROUD LEVEL: 24.22 metres
WATER TABLE LEVEL:
-- HOUR(s) AFTER DIGGING: 24.09

Monitoring Well Log

Monitoring Well: BH-1/ MW-1

Project: Main Apron, Ph III ESA, Iqaluit Airport

Project No.: 04-3730

Client: Transport Canada

Geoscientist: AG

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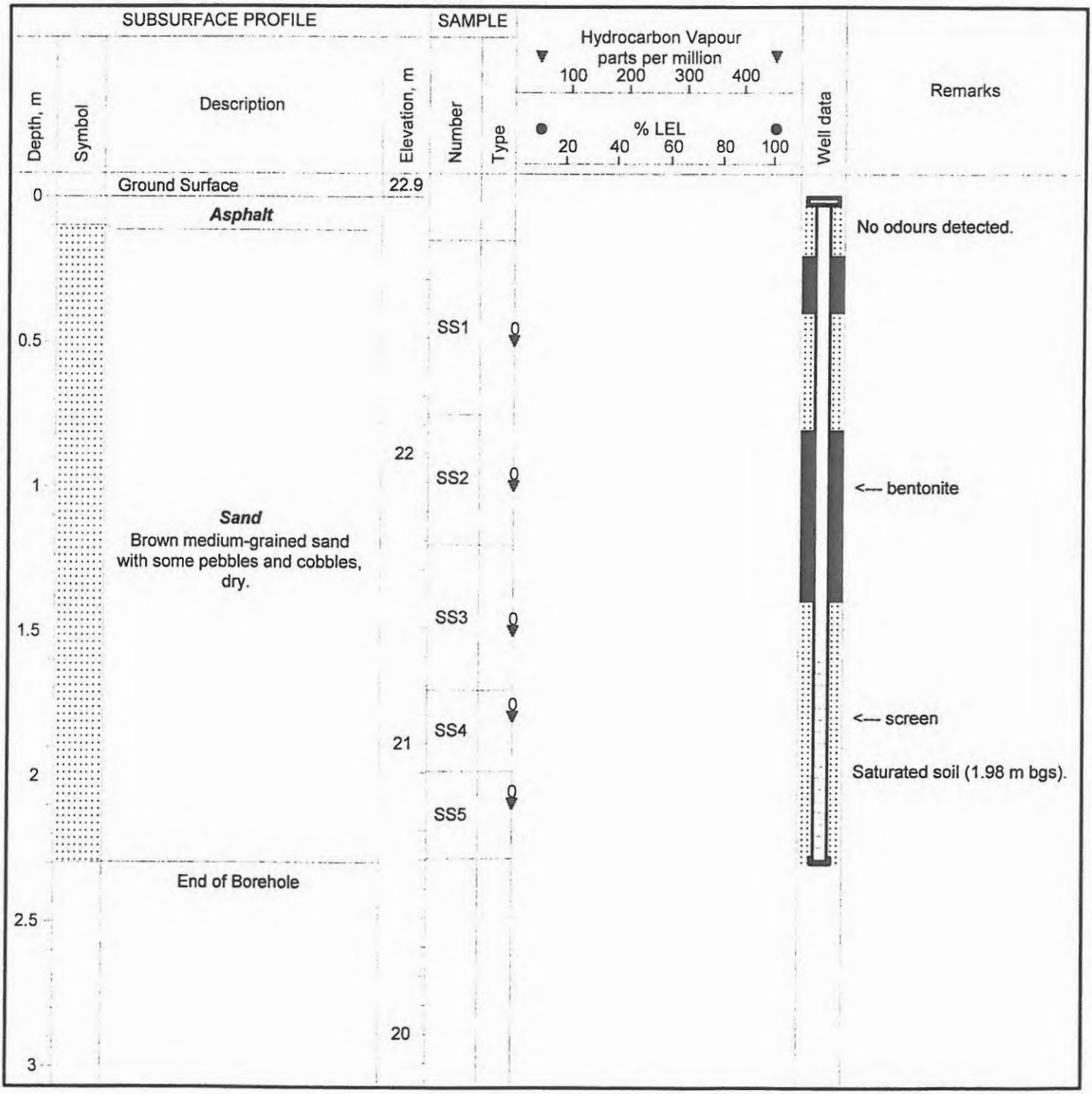

Drilled By: Sonic Soil Sampling

Drilling Method: Pionjar with 2 inch split spoon

Drilling Date: Sept 22/04

Hole Size: 2 inch

Datum: Geodedic

Sheet: 1 of 1

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Borehole Log

Borehole BH-2

Project: Main Apron, Ph III ESA, Iqaluit Airport

Project No.: 04-3730

Client: Transport Canada

Geoscientist: AG

DILLON CONSULTING

SUBSURFACE PROFILE

Depth, m	Symbol	Description	Elevation, m	Sample Number	Sample Type	Hydrocarbon Vapour parts per million (100 200 300 400) / % LEL (20 40 60 80)	Remarks
0		Ground Surface	22.6				
		Asphalt					No odours detected.
				SS1		0	
1				SS2		0	
		Silty Sand Brown silty sand with trace pebbles and cobbles, dry.					
				SS3		0	
2							Saturated soils (2.3 m bgs).
			20	SS4		0	
3		End of Borehole					Complete refusal.

Drilled By: Sonic Soil Sampling

Drilling Method: Pionjar with 2inch split spoon

Drilling Date: Sept 22/04

Hole Size: 2 inch

Datum: Geodedic

Sheet: 1 of 1

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Borehole Log

Borehole BH-3

Project: Main Apron, Ph III ESA, Iqaluit Airport

Project No.: 04-3730

Client: Transport Canada

Geoscientist: AG

DILLON CONSULTING

SUBSURFACE PROFILE

Depth, m	Symbol	Description	Elevation, m	Sample Number	Sample Type	Hydrocarbon Vapour parts per million (100, 200, 300, 400) / % LEL (20, 40, 60, 80)	Remarks
0		Ground Surface	22.5				
		Asphalt					No odours detected.
		Silty Sand Brown silty sand with trace pebbles and cobbles, dry.		SS1	0		
							Complete refusal.
1		End of Borehole					
2							
			20				
3							

Drilled By: Sonic Soil Sampling

Drilling Method: Pionjar with 2 inch split spoon

Drilling Date: Sept 22/04

Hole Size: 2 inch

Datum: Geodedic

Sheet: 1 of 1

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Borehole Log

Borehole BH-4

Project: Main Apron, Ph III ESA, Iqaluit Airport

Project No.: 04-3730

Client: Transport Canada

Geoscientist: AG

DILLON CONSULTING

SUBSURFACE PROFILE

Depth, m	Symbol	Description	Elevation, m	Sample Number	Sample Type	Hydrocarbon Vapour parts per million (100, 200, 300, 400) / % LEL (20, 40, 60, 80)	Remarks
0		Ground Surface	23				
		Asphalt					No odours detected.
				SS1		0	
1							Humid soils (0.95 m bgs)
				SS2		0	
		Silty Sand Brown silty sand with trace pebbles and cobbles, dry.					
							Saturated soils (1.7 m bgs).
				SS3		0	
2							
		End of Borehole					EOH at 2.3 m bgs. No sign of contamination
3			20				

Drilled By: Sonic Soil Sampling

Drilling Method: Pionjar with 2 inch split spoon

Drilling Date: Sept 22/04

Hole Size: 2 inch

Datum: Geodedic

Sheet: 1 of 1

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Monitoring Well Log

Monitoring Well: BH-5/ MW-5

Project: Main Apron, Ph III ESA, Iqaluit Airport

Project No.: 04-3730

Client: Transport Canada

Geoscientist: AG

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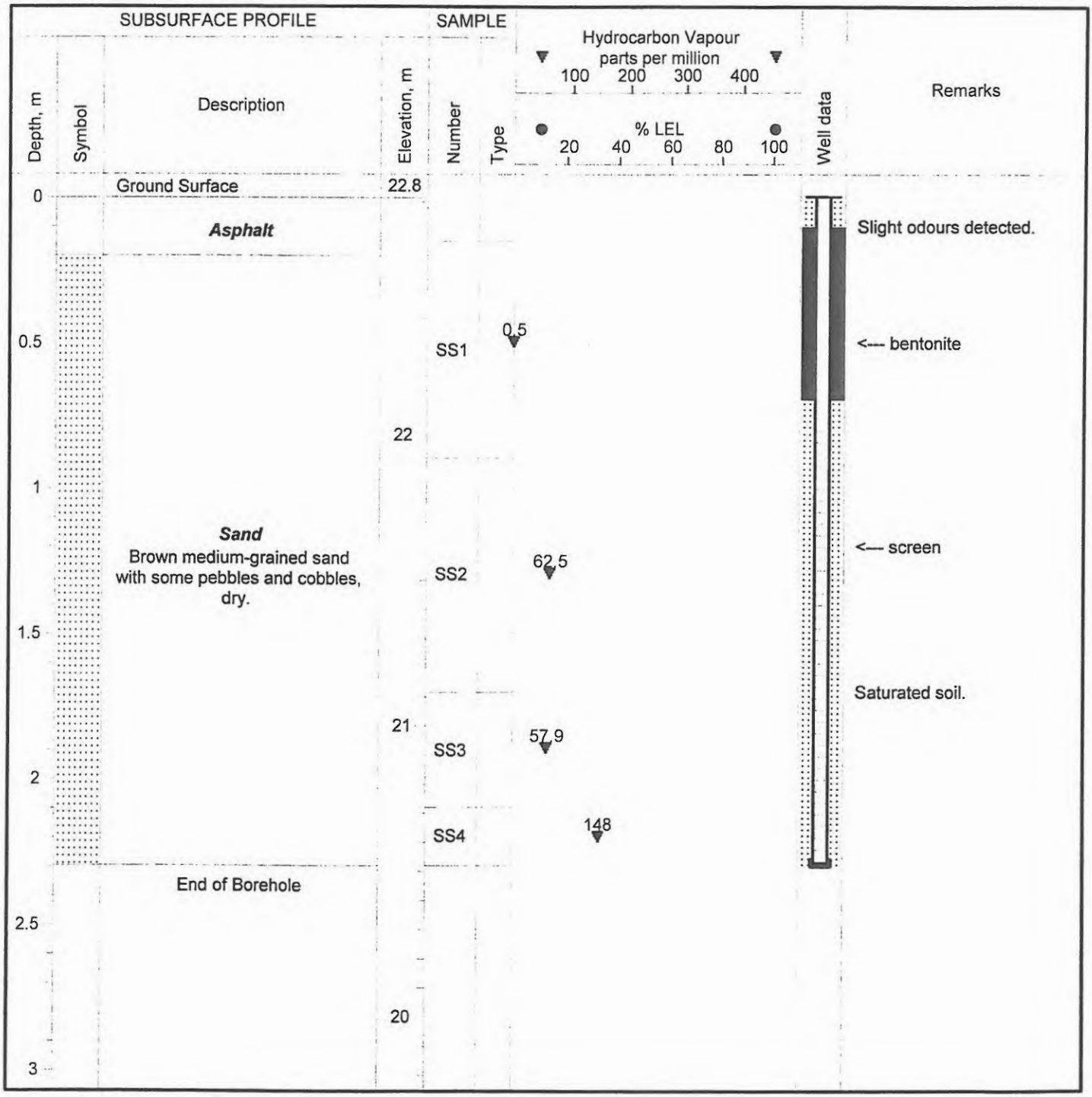

Drilled By: Sonic Soil Sampling

Drilling Method: Pionjar with 2 inch split spoon

Drilling Date: Sept 23/04

Hole Size: 2 inch

Datum: Geodedic

Sheet: 1 of 1

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Monitoring Well Log

Monitoring Well: BH-6/ MW-6

Project: Main Apron, Ph III ESA, Iqaluit Airport

Project No.: 04-3730

Client: Transport Canada

Geoscientist: AG

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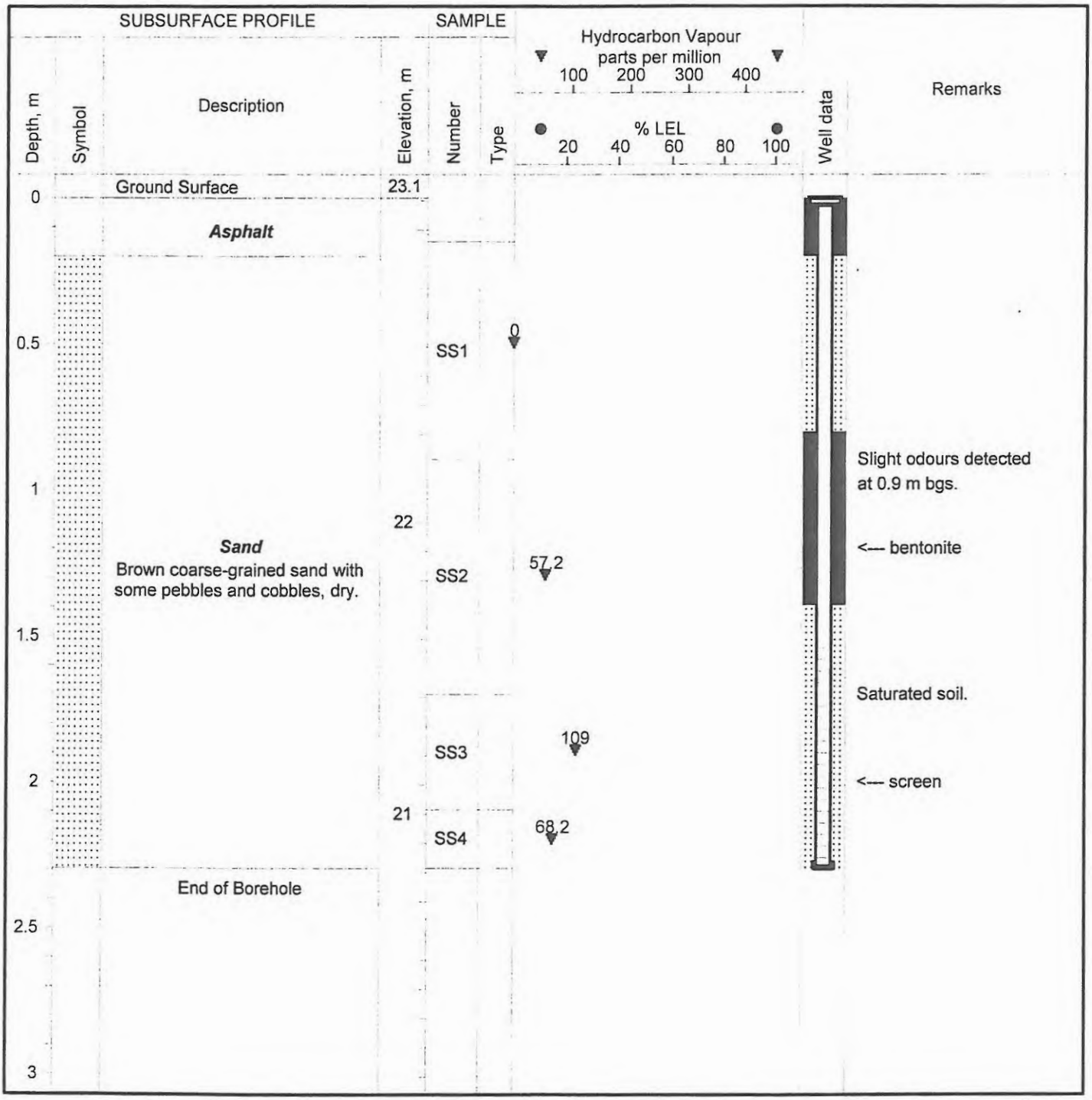

Drilled By: Sonic Soil Sampling

Drilling Method: Pionjar with 2 inch split spoon

Drilling Date: Sept 23/04

Hole Size: 2 inch

Datum: Geodedic

Sheet: 1 of 1

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Richmond, B.C.
V6X 2E8

Borehole Log

Borehole BH-7

Project: Main Apron, Ph III ESA, Iqaluit Airport

Project No.: 04-3730

Client: Transport Canada

Geoscientist: AG

DILLON CONSULTING

SUBSURFACE PROFILE

Depth, m	Symbol	Description	Elevation, m	Sample Number	Sample Type	Hydrocarbon Vapour parts per million (100 200 300 400) / % LEL (20 40 60 80)	Remarks
0		Ground Surface	23.4				
		Asphalt					No odours detected.
				SS1		0	
1		***Sand*** Brown medium-grained sand with some pebbles and cobbles, dry.		SS2		0	
				SS3		0	
2		End of Borehole					Refusal at 2.0 m bgs.
3							

Drilled By: Sonic Soil Sampling

Drilling Method: Pionjar with 2 inch split spoon

Drilling Date: Sept 23/04

Hole Size: 2 inch

Datum: Geodedic

Sheet: 1 of 1

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Monitoring Well Log

Monitoring Well: BH-8/ MW-8

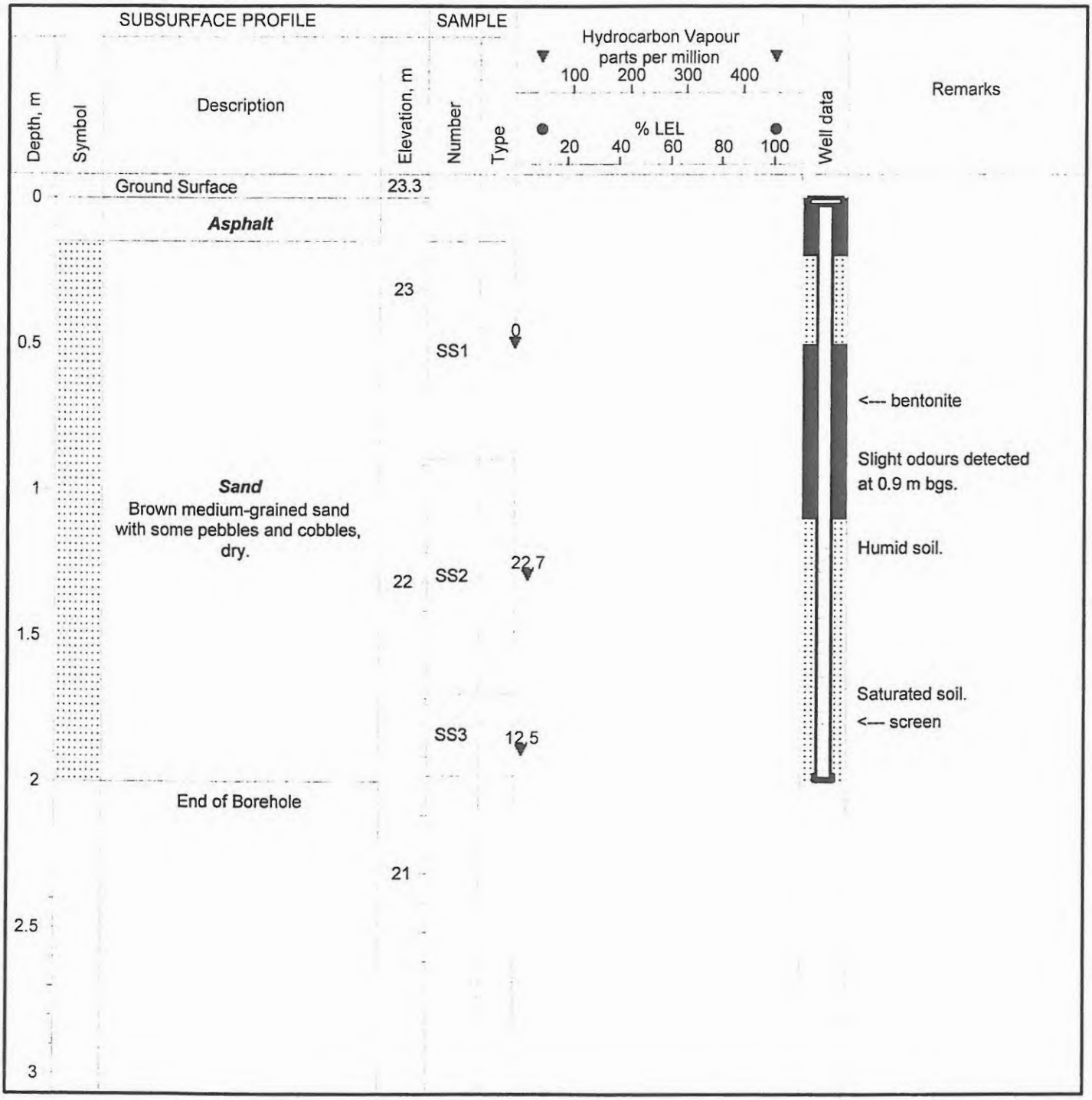
Project: Main Apron, Ph III ESA, Iqaluit Airport

Project No.: 04-3730

Client: Transport Canada

Geoscientist: AG

DILLON CONSULTING



Drilled By: Sonic Soil Sampling

Drilling Method: Pionjar with 2 inch split spoon

Drilling Date: Sept 23/04

Hole Size: 2 inch

Datum: Geodedic

Sheet: 1 of 1

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Monitoring Well Log

Monitoring Well: BH-9/ MW-9

Project: Main Apron, Ph III ESA, Iqaluit Airport

Project No.: 04-3730

Client: Transport Canada

Geoscientist: AG

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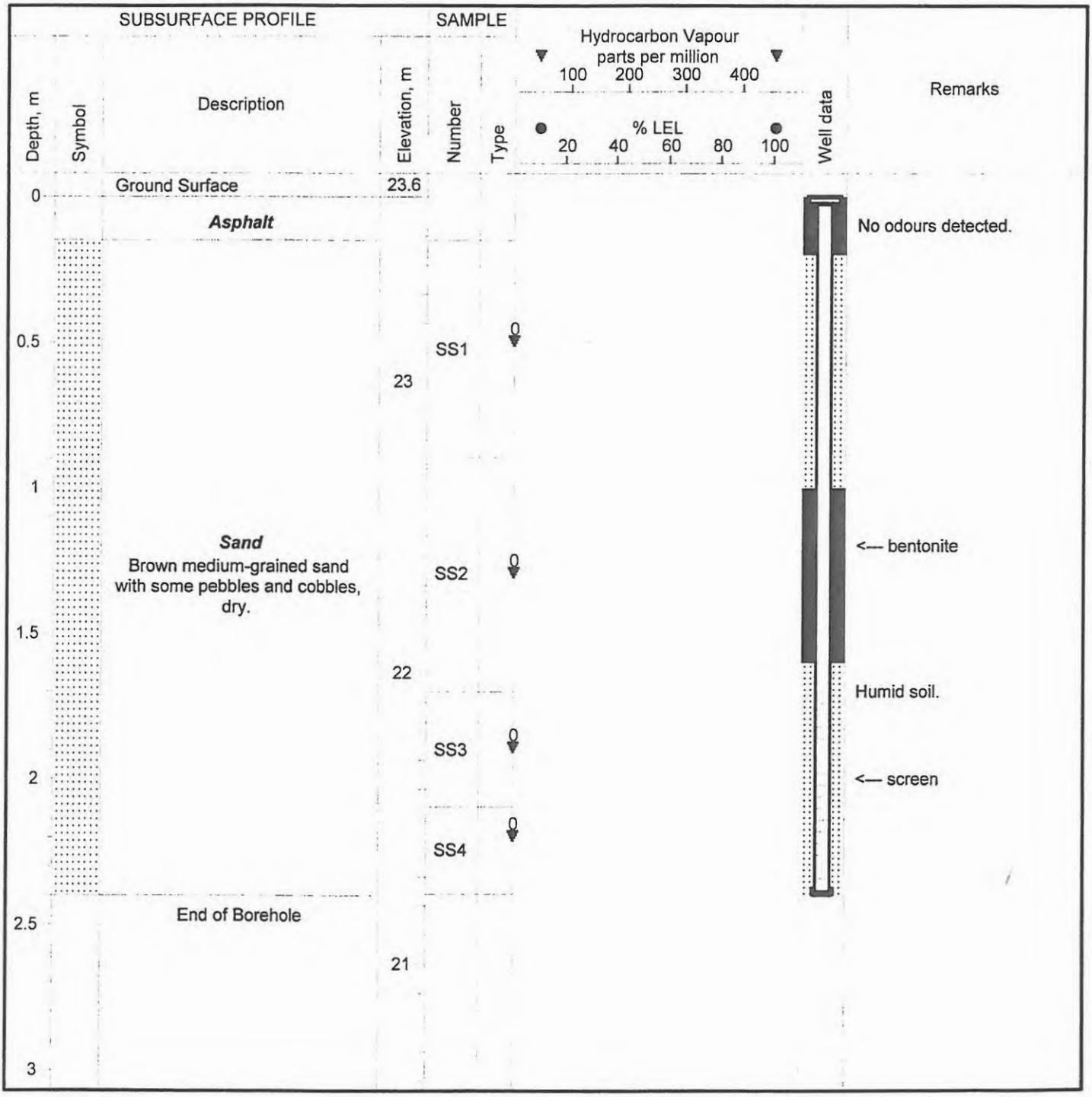

Drilled By: Sonic Sampling

Drilling Method: Pionjar with 2 inch split spoon

Drilling Date: Sept 23/04

Hole Size: 2 inch

Datum: Geodedic

Sheet: 1 of 1

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V6X 2E8

Monitoring Well Log

Monitoring Well: BH-10/ MW-10

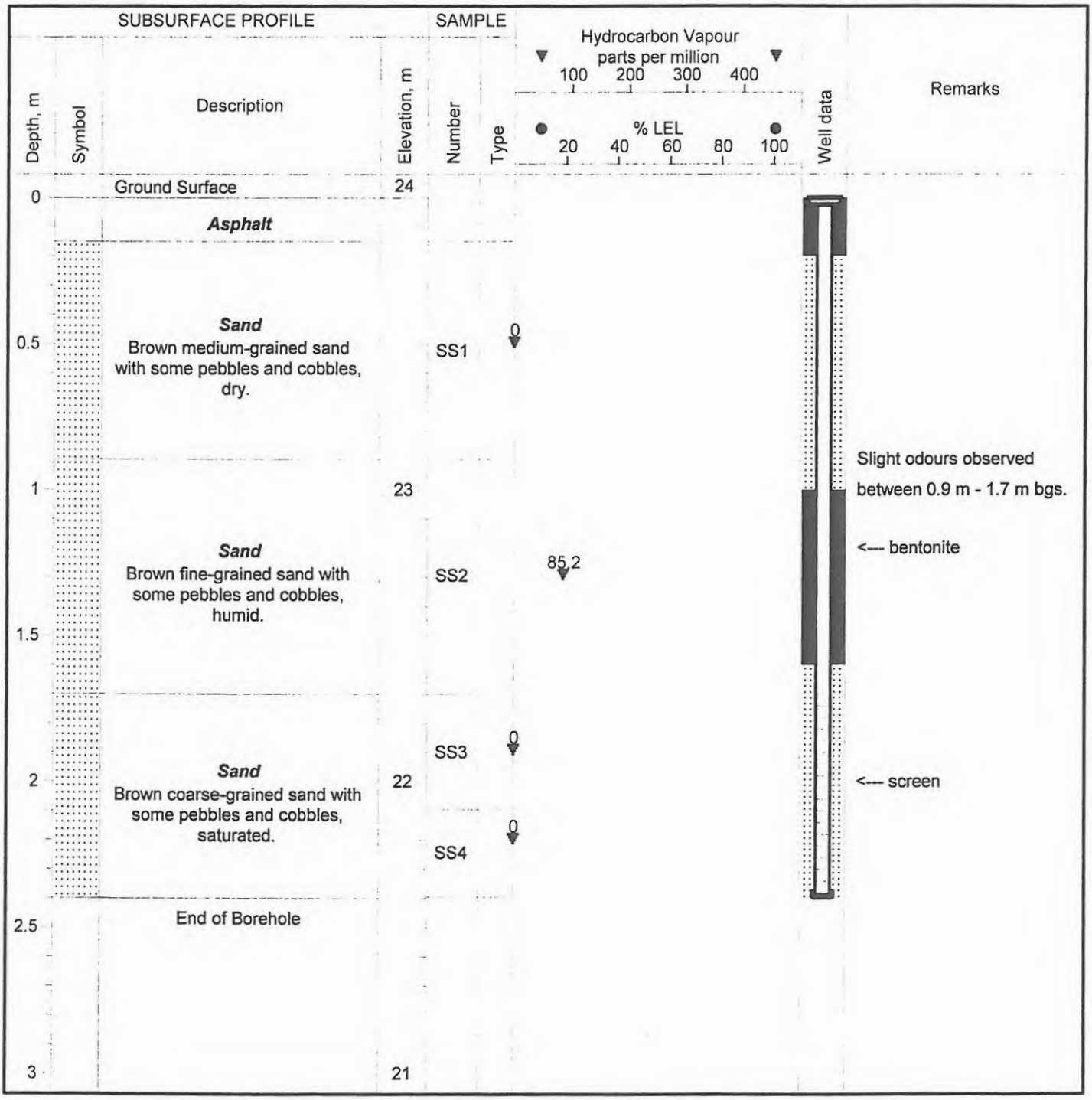
Project: Main Apron, Ph III ESA, Iqaluit Airport

Project No.: 04-3730

Client: Transport Canada

Geoscientist: AG

DILLON CONSULTING



Drilled By: Sonic Soil Sampling

Drilling Method: Pionjar with 2 inch split spoon

Drilling Date: Sept 23/04

Hole Size: 2 inch

Datum: Geodedic

Sheet: 1 of 1

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Richmond, B.C.
V6X 2E8

Borehole Log

Borehole BH-11

Project: Main Apron, Ph III ESA, Iqaluit Airport

Project No.: 04-3730

Client: Transport Canada

Geoscientist: AG

DILLON CONSULTING

SUBSURFACE PROFILE

Depth, m	Symbol	Description	Elevation, m	Sample Number	Sample Type	Hydrocarbon Vapour parts per million (100, 200, 300, 400) / % LEL (20, 40, 60, 80)	Remarks
0		Ground Surface	24				
		Asphalt					
					0		No odours detected
				SS1			
1			23				
				SS2			
		Sand Brown coarse-grained sand with some pebbles and cobbles, dry			0		
							Humid soil and minor odours detected between 1.6m and 2.3m
				SS3			
2			22		27.6		
							Refusal at 2.3m
		End of Borehole					
3			21				

Drilled By: Sonic Soil Sampling

Drilling Method: Pionjar with 2 inch split spoon

Drilling Date: Sept 23/04

Hole Size: 2 inch

Datum: Geodedic

Sheet: 1 of 1

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Borehole Log

Borehole BH-12

Project: Main Apron, Ph III ESA, Iqaluit Airport

Project No.: 04-3730

Client: Transport Canada

Geoscientist: AG

DILLON CONSULTING

SUBSURFACE PROFILE

Depth, m	Symbol	Description	Elevation, m	Sample Number	Sample Type	Hydrocarbon Vapour parts per million (100, 200, 300, 400) / % LEL (20, 40, 60, 80)	Remarks
0		Ground Surface	23.7				
		Asphalt					No odours detected.
				SS1		0	
1				SS2		0	
		Sand Brown coarse-grained sand with some pebbles and cobbles, dry.					Saturated soils (1.5 m bgs).
				SS3		27.6	
2		End of Borehole					EOH at 2.3 m bgs. No sign of contamination.
3							

Drilled By: Sonic Soil Sampling

Drilling Method: Pionjar with 2 inch split spoon

Drilling Date: Sept 23/04

Hole Size: 2 inch

Datum: Geodedic

Sheet: 1 of 1

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Borehole Log

Borehole BH-13

Project: Main Apron, Ph III ESA, Iqaluit Airport

Project No.: 04-3730

Client: Transport Canada

Geoscientist: AG

DILLON CONSULTING

SUBSURFACE PROFILE

Depth, m	Symbol	Description	Elevation, m	Sample Number	Sample Type	Hydrocarbon Vapour parts per million (100, 200, 300, 400) / % LEL (20, 40, 60, 80)	Remarks
0		Ground Surface	23.6				
		Asphalt					No odours detected.
				SS1		0	
							Humid soils (0.9 m bgs)
1				SS2		0	
		Sand Brown coarse-grained sand with some pebbles and cobbles, dry.					Saturated soils (1.5 m bgs).
				SS3		0	
2							
		End of Borehole					EOH at 2.3 m bgs. No sign of contamination.
3							

Drilled By: Sonic Soil Sampling

Drilling Method: Pionjar with 2 inch spit spoon

Drilling Date: Sept 23/04

Hole Size: 2 inch

Datum: Geodedic

Sheet: 1 of 1

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130-10691 Shellbridge Way
Richmond, B.C.
V6X 2E8

Borehole Log

Borehole BH-14

Project: Main Apron, Ph III ESA, Iqaluit Airport

Project No.: 04-3730

Client: Transport Canada

Geoscientist: AG

DILLON CONSULTING

SUBSURFACE PROFILE

Depth, m	Symbol	Description	Elevation, m	Sample Number	Sample Type	Hydrocarbon Vapour parts per million (100, 200, 300, 400) / % LEL (20, 40, 60, 80)	Remarks
0		Ground Surface	23.5				
		Asphalt					No odours detected.
				SS1		0	
1				SS2		0	
		Sand Brown coarse-grained sand with some pebbles and cobbles, dry.					Saturated soils (1.5 m bgs).
				SS3		0	
2							
		End of Borehole					EOH at 2.3 m bgs. No sign of contamination.
3							

Drilled By: Sonic Soil Sampling

Drilling Method: Pionjar with 2 inch split spoon

Drilling Date: Sept 23/04

Hole Size: 2 inch

Datum: Geodedic

Sheet: 1 of 1

Dillon Consulting Limited
130-10691 Shellbridge Way
Richmond, B.C.
V6X 2E8

Borehole Log

Borehole BH-15

Project: Main Apron, Ph III ESA, Iqaluit Airport

Project No.: 04-3730

Client: Transport Canada

Geoscientist: AG

DILLON CONSULTING

SUBSURFACE PROFILE

Depth, m	Symbol	Description	Elevation, m	Sample Number	Sample Type	Hydrocarbon Vapour parts per million (100 200 300 400) / % LEL (20 40 60 80)	Remarks
0		Ground Surface	23.2				
		Asphalt					No odours detected.
				SS1		0	
							Humid soils (0.9 m bgs).
1		***Sand*** Brown coarse-grained sand with some pebbles and cobbles, dry.		SS2		0	
							Saturated soils (1.5 m bgs).
				SS3		0	
2		End of Borehole					EOH at 2.1 m bgs. No sign of contamination.
3							

Drilled By: Sonic Soil Sampling

Drilling Method: Pionjar with 2 inch split spoon

Drilling Date: Sept 23/04

Hole Size: 2 inch

Datum: Geodedic

Sheet: 1 of 1

Dillon Consulting Limited
130-10691 Shellbridge Way
Richmond, B.C.
V6X 2E8

Borehole Log

Borehole BH-16

Project: Main Apron Ph III ESA, Iqaluit Airport

Project No.: 04-3730

Client: Transport Canada

Geoscientist: AG

DILLON CONSULTING

SUBSURFACE PROFILE

Depth, m	Symbol	Description	Elevation, m	Sample Number	Sample Type	Hydrocarbon Vapour parts per million (100 200 300 400) / % LEL (20 40 60 80)	Remarks
0		Ground Surface	23				
		Asphalt					No odours detected.
				SS1		0	
							Humid soils (0.9 m bgs).
1		***Sand*** Brown medium-grained sand with some pebbles and cobbles, dry.		SS2		0	
				SS3		0	
2		End of Borehole					EOH at 2.2 m bgs. No sign of contamination.
3			20				

Drilled By: Sonic Soil Sampling

Drilling Method: Pionjar with 2inch split spoon

Drilling Date: Sept 23/04

Hole Size: 2 inch

Datum: Geodedic

Sheet: 1 of 1

Dillon Consulting Limited
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Richmond, B.C.
V6X 2E8

Borehole Log

Borehole BH-17

Project: Main Apron, Ph III ESA, Iqaluit Airport

Project No.: 04-3730

Client: Transport Canada

Geoscientist: AG

DILLON CONSULTING

SUBSURFACE PROFILE

Depth, m	Symbol	Description	Elevation, m	Sample Number	Sample Type	Hydrocarbon Vapour parts per million (100, 200, 300, 400) / % LEL (20, 40, 60, 80)	Remarks
0		Ground Surface	23.8				
		Asphalt					No odours detected.
				SS1		0	
							Humid soils (0.9 m bgs).
1		***Sand*** Brown medium-grained sand with some pebbles and cobbles, dry.		SS2		0	
							Saturated soils (1.5 m bgs).
				SS3		0	
2							
		End of Borehole					EOH at 2.3 m bgs. No sign of contamination.
3							

Drilled By: Sonic Soil Sampling

Drilling Method: Pionjar with 2 inch split spoon

Drilling Date: Sept 24/04

Hole Size: 2 inch

Datum: Geodedic

Sheet: 1 of 1

Dillon Consulting Limited
130-10691 Shellbridge Way
Richmond, B.C.
V6X 2E8

Borehole Log

Borehole BH-18

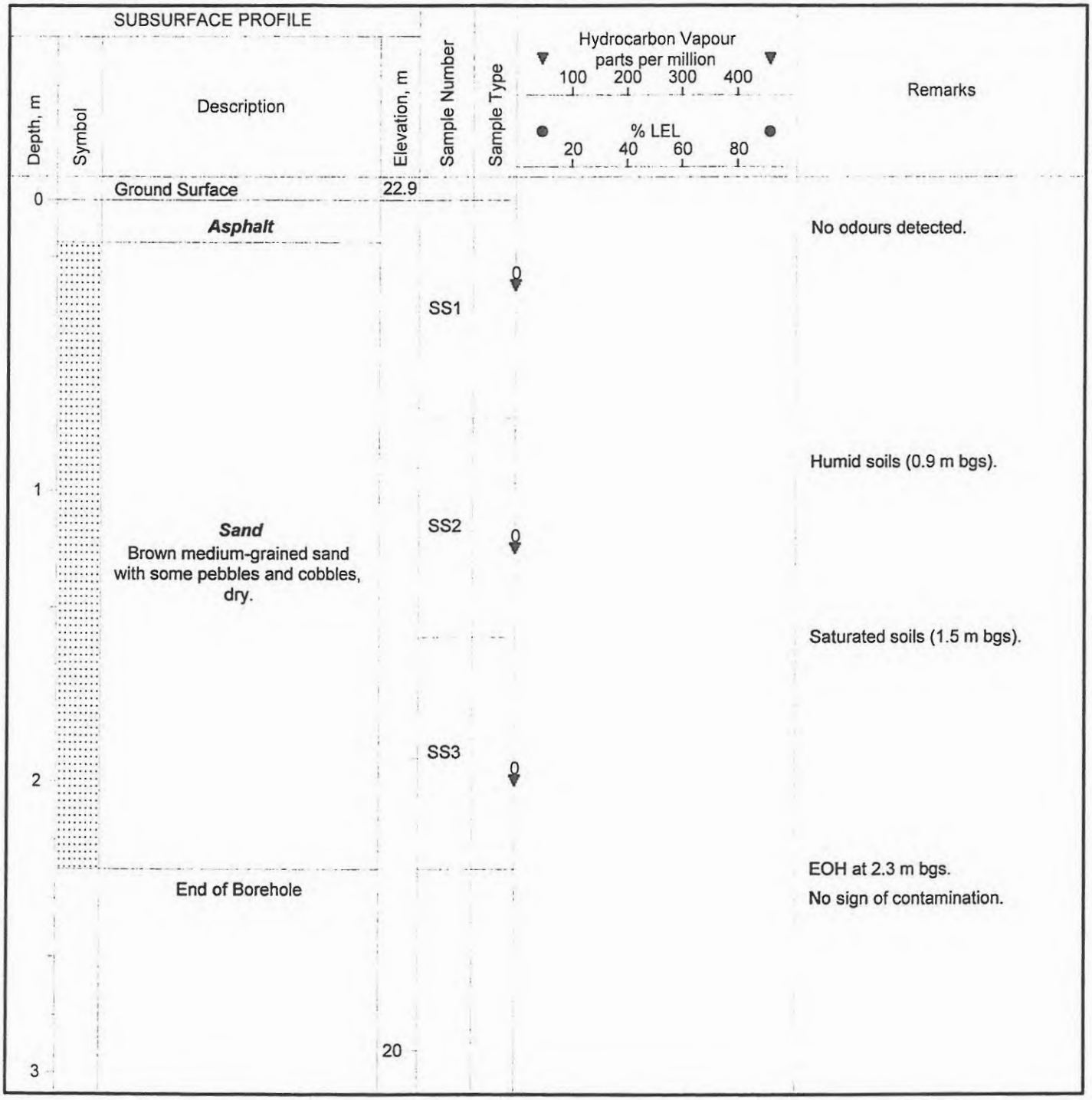
Project: Main Apron, Ph III ESA, Iqaluit

Project No.: 04-3730

Client: Transport Canada

Geoscientist: AG

DILLON CONSULTING



Drilled By: Sonic Soil Sampling

Drilling Method: Pionjar with 2 inch split spoon

Drilling Date: Sept 24/04

Hole Size: 2 inch

Datum: Geodedic

Sheet: 1 of 1

Dillon Consulting Limited
130-10691 Shellbridge Way
Richmond, B.C.
V6X 2E8

Borehole Log

Borehole BH-19

Project: Main Apron, Ph III ESA, Iqaluit Airport

Project No.: 04-3730

Client: Transport Canada

Geoscientist: AG

DILLON CONSULTING

SUBSURFACE PROFILE

Depth, m	Symbol	Description	Elevation, m	Sample Number	Sample Type	Hydrocarbon Vapour parts per million (100 200 300 400) / % LEL (20 40 60 80)	Remarks
0		Ground Surface	22.7				
		Asphalt					No odours detected.
				SS1		0	
							Humid soils (0.9 m bgs).
1		***Sand*** Brown medium-grained sand with some pebbles and cobbles, dry.		SS2		0	
							Saturated soils (1.5 m bgs).
				SS3		0	
2							
		End of Borehole					Refusal at 2.3 m bgs.
			20				
3							

Drilled By: Sonic Soil Sampling

Drilling Method: Pionjar with 2 inch split spoon

Drilling Date: Sept 24/04

Hole Size: 2 inch

Datum: Geodedic

Sheet: 1 of 1

Dillon Consulting Limited
130-10691 Shellbridge Way
Richmond, B.C.
V6X 2E8

Borehole Log

Borehole BH-20

Project: Main Apron, Ph III ESA, Iqaluit Airport

Project No.: 04-3730

Client: Transport Canada

Geoscientist: AG

DILLON CONSULTING

SUBSURFACE PROFILE

Depth, m	Symbol	Description	Elevation, m	Sample Number	Sample Type	Hydrocarbon Vapour parts per million (100, 200, 300, 400) / % LEL (20, 40, 60, 80)	Remarks
0		Ground Surface	22.7				
		Asphalt					No odours detected.
				SS1		0	
							Humid soils (0.9 m bgs).
1		***Sand*** Brown medium-grained sand with some pebbles and cobbles, dry.		SS2		0	
							Saturated soils (1.5 m bgs).
				SS3		0	
2							
		End of Borehole					Refusal at 2.3 m bgs.
			20				
3							

Drilled By: Sonic Soil Sampling

Drilling Method: Pionjar with 2 inch split spoon

Drilling Date: Sept 24/04

Hole Size: 2 inch

Datum: Geodedic

Sheet: 1 of 1

Dillon Consulting Limited
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Borehole Log

Borehole BH-21

Project: Main Apron, Ph III ESA, Iqaluit Airport

Project No.: 04-3730

Client: Transport Canada

Geoscientist: AG

DILLON CONSULTING

SUBSURFACE PROFILE

Depth, m	Symbol	Description	Elevation, m	Sample Number	Sample Type	Hydrocarbon Vapour parts per million (100 200 300 400) / % LEL (20 40 60 80)	Remarks
0		Ground Surface	22.5				
		Asphalt					No odours detected.
				SS1		0	
							Humid soils (0.9 m bgs).
1		***Sand*** Brown medium-grained sand with some pebbles and cobbles, dry.		SS2		0	
				SS3		0	
2							Refusal at 2.3 m bgs.
		End of Borehole	20				
3							

Drilled By: Sonic Soil Sampling

Drilling Method: Pionjar with 2 inch split spoon

Drilling Date: Sept 24/04

Hole Size: 2 inch

Datum: Geodedic

Sheet: 1 of 1

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V6X 2E8

Borehole Log

Borehole BH-22

Project: Main Apron, Ph III ESA, Iqaluit Airport

Project No.: 04-3730

Client: Transport Canada

Geoscientist: AG

DILLON CONSULTING

SUBSURFACE PROFILE

Depth, m	Symbol	Description	Elevation, m	Sample Number	Sample Type	Hydrocarbon Vapour parts per million (100, 200, 300, 400) / % LEL (20, 40, 60, 80)	Remarks
0		Ground Surface	23				
		Asphalt					No odours detected.
				SS1		0	
		Sand Brown medium-grained sand with some pebbles and cobbles, dry.					
1				SS2		0	
		End of Borehole					Complete refusal at 1.25 m bgs.
2							
3			20				

Drilled By: Sonic Soil Sampling

Drilling Method: Pionjar with 2 inch split spoon

Drilling Date: Sept 24/04

Hole Size: 2 inch

Datum: Geodedic

Sheet: 1 of 1

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BOREHOLE LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: F-1
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Forages de Montréal
OPERATOR: Philippe Fornes
TYPE OF TUBING: ---

STARTED ON: 14-08-94
SLOTTED PIPE Ø : 50mm
DRILL TYPE: Tripod
METHOD (SOIL): Cable tool
DRILLING FLUID: ---

ENDED ON: 14-08-94
TUBING Ø : 50mm
CORE SAMPLER Ø : ---
METHOD (ROCK): ---
DONE BY: E. Giroux

LEVELLING			MONITORING WELL		SAMPLE						GEOLOGY		OBSERVATIONS	
DEPTH (metre)	ELEVATION (metre)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	SPT	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR O W I P NE	VISUAL SC SA
0.00	24.14											Asphalt		
						CF-1	100					Fill: gravelly sand, brown, moist		
1.20	22.94											Permafrost 1.20 metre		

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
CF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
P — PERSISTENT
NE — NON-EXISTANT
SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: ---
SURFACE SEAL: ---
SEAL DEPTH: ---
SLOTTED PIPE LENGTH: ---
TUBING LENGTH: ---

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: ---
GROUD LEVEL: 24.14 metres
WATER TABLE LEVEL:
_____ HOUR(s) AFTER DIGGING: _____

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BOREHOLE LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: F-2
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Forages de Montréal
OPERATOR: Philippe Fornes
TYPE OF TUBING: —

STARTED ON: 14-08-94
SLOTTED PIPE Ø : 50mm
DRILL TYPE: Tripod
METHOD (SOIL): Cable tool
DRILLING FLUID: —

ENDED ON: 14-08-94
TUBING Ø : 50mm
CORE SAMPLER Ø : —
METHOD (ROCK): —
DONE BY: E. Giroux

LEVELLING			MONITORING WELL		SAMPLE						GEOLOGY		OBSERVATIONS	
DEPTH (metres)	ELEVATION (metres)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	SPT	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR O W I P	VISUAL NE SC SA
0.00	24.17											Asphalt		
						CF-1	70					Fill: gravelly sand, brown, dry		
1.20	22.97											Permafrost 1.20 metre		

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
CF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
P — PERSISTENT
NE — NON-EXISTANT
SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: —
SURFACE SEAL: —
SEAL DEPTH: —
SLOTTED PIPE LENGTH: —
TUBING LENGTH: —

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: —
GROUD LEVEL: 24.17 metres
WATER TABLE LEVEL:
_____ HOUR(s) AFTER DIGGING: _____

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BOREHOLE LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: F-3
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Forages de Montréal
OPERATOR: Philippe Fornes
TYPE OF TUBING: —

STARTED ON: 14-08-94
SLOTTED PIPE Ø : 50mm
DRILL TYPE: Tripod
METHOD (SOIL): Cable tool
DRILLING FLUID: —

ENDED ON: 14-08-94
TUBING Ø : 50mm
CORE SAMPLER Ø : —
METHOD (ROCK): —
DONE BY: E. Giroux

LEVELLING			MONITORING WELL		SAMPLE						GEOLOGY		OBSERVATIONS	
DEPTH (meters)	ELEVATION (meters)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	SPT	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR O W I P	VISUAL NE SC SA
0.00	24.16											Asphalt		
0.20	23.96					CF-1	80					Fill: gravelly sand, brown, dry		
1.50	22.66											Permafrost 1.50 metre		

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
CF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
P — PERSISTENT
NE — NON-EXISTANT
SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: —
SURFACE SEAL: —
SEAL DEPTH: —
SLOTTED PIPE LENGTH: —
TUBING LENGTH: —

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: —
GROUD LEVEL: 24.16 metres
WATER TABLE LEVEL:
_____ HOUR(s) AFTER DIGGING: _____

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BOREHOLE LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: PO-6
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Forages de Montréal
OPERATOR: Philippe Fornes
TYPE OF TUBING: —

STARTED ON: 13-08-94
SLOTTED PIPE Ø : 50mm
DRILL TYPE: Tripod
METHOD (SOIL): Cable tool
DRILLING FLUID: —

ENDED ON: 13-08-94
TUBING Ø : 50mm
CORE SAMPLER Ø : —
METHOD (ROCK): —
DONE BY: E. Giroux

LEVELLING			MONITORING WELL		SAMPLE						GEOLOGY		OBSERVATIONS		
DEPTH (meters)	ELEVATION (meters)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	SPT	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR		VISUAL	
													O W I P	NE	SC	SA
0.00	24.09											Asphalt				
				PVC TUBING, 50mm, SLOTTED OPENING 10 MILS		CF-1	100					Fill: coarse sand, with gravel, brown, moist				
0.90	23.19	▽														
1.00	23.09											Permafrost 1.00 metre				

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
CF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
P — PERSISTENT
NE — NON-EXISTANT
SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: —
SURFACE SEAL: —
SEAL DEPTH: —
SLOTTED PIPE LENGTH: —
TUBING LENGTH: —

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: —
GROUD LEVEL: 24.09 metres
WATER TABLE LEVEL:
24,sec HOUR(s) AFTER DIGGING: 23.19

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BOREHOLE LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: PO-7
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Forages de Montréal
OPERATOR: Philippe Fornes
TYPE OF TUBING: ---

STARTED ON: 13-08-94
SLOTTED PIPE Ø : 50mm
DRILL TYPE: Tripod
METHOD (SOIL): Cable tool
DRILLING FLUID: ---

ENDED ON: 13-08-94
TUBING Ø : 50mm
CORE SAMPLER Ø : ---
METHOD (ROCK): ---
DONE BY: E. Giroux

LEVELLING			MONITORING WELL		SAMPLE						GEOLOGY		OBSERVATIONS
	DEPTH (metres)	ELEVATION (metres)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	SPT	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR O W I P NE / VISUAL SC SA
0	0.00	24.10											Asphalt	
					PVC TUBING, 50mm, SLOTTED OPENING 10 MILS		CF-1	100					Fill: coarse gravelly sand, brown, moist	
	0.80	23.30											Permafrost 0.80 metre	
1														
2														
3														
4														
5														
6														
7														
8														

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
CF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
P — PERSISTENT
NE — NON-EXISTANT
SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: ---
SURFACE SEAL: ---
SEAL DEPTH: ---
SLOTTED PIPE LENGTH: ---
TUBING LENGTH: ---

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: ---
GROUD LEVEL: 24.10 metres
WATER TABLE LEVEL:
24,sec HOUR(s) AFTER DIGGING: ---

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BOREHOLE LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: PO-8
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Forages de Montréal
OPERATOR: Philippe Fornes
TYPE OF TUBING: —

STARTED ON: 13-08-94
SLOTTED PIPE Ø : 50mm
DRILL TYPE: Tripod
METHOD (SOIL): Cable tool
DRILLING FLUID: —

ENDED ON: 13-08-94
TUBING Ø : 50mm
CORE SAMPLER Ø : —
METHOD (ROCK): —
DONE BY: E. Giroux

LEVELLING			MONITORING WELL		SAMPLE						GEOLOGY		OBSERVATIONS	
DEPTH (meters)	ELEVATION (meters)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	SPT	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR O W I P	VISUAL NE SC SA
0.00	24.17											Asphalt		
				PVC TUBING, 50mm, SLOTTED OPENING 10 MILS		CF-1	100					Fill: gravelly sand, brown, dry		
0.85	23.32											Permafrost 0.85 metre		

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
CF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
P — PERSISTENT
NE — NON-EXISTANT
SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: —
SURFACE SEAL: —
SEAL DEPTH: —
SLOTTED PIPE LENGTH: —
TUBING LENGTH: —

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: —
GROUD LEVEL: 24.17 metres
WATER TABLE LEVEL:
24 sec HOUR(s) AFTER DIGGING: —

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TRENCH LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: PU-7
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Rock Lessard Inc.
OPERATOR: ---
TYPE OF TUBING: ---

STARTED ON: 15-08-94
SLOTTED PIPE Ø : ---
DRILL TYPE: Backhoe
METHOD (SOIL): ---
DRILLING FLUID: ---

ENDED ON: 15-08-94
TUBING Ø : ---
CORE SAMPLER Ø : ---
METHOD (ROCK): ---
DONE BY: E.Giroux

LEVELLING			MONITORING WELL		SAMPLE					GEOLOGY		OBSERVATIONS	
DEPTH (meters)	ELEVATION (meters)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR O W I P	VISUAL NE SC SA
0.00	22.56												
				PVC TUBING, 50mm, SLOTTED OPENING 10 MILS		PU-7-1					Fill: coarse sand with gravel, black, moist		
0.90	21.66	▽											
1.40	21.16										Permafrost 1.40 metre, iridescent water surface		

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:
CF — SPLIT SPOON SAMPLER
TM — THIN WALL SAMPLER
CR — CORE SAMPLER

OBSERVATIONS
O — ODORLESS
W — WEAK
I — INTERMIDIATE
P — PERSISTENT
NE — NON-EXISTANT
SC — SCATTERED
SA — SATURATED

▽ = WATER TABLE
** = FIELD DUPLICATE
* = ANALYSED SAMPLE

SURFACE PROTECTION: ---
SURFACE SEAL: ---
SEAL DEPTH: ---
SLOTTED PIPE LENGTH: ---
TUBING LENGTH: ---

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: ---
GROUD LEVEL: 22.56 metres
WATER TABLE LEVEL:
— HOUR(s) AFTER DIGGING: 21.66

BIOGÉNIE Inc

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TRENCH LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: PU-31
SHEET: 1 OF 1
FILE #: 947

PROJECT: TRANSPORT CANADA
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES
CONTRACTOR: Rock Lessard Inc.
OPERATOR: ---
TYPE OF TUBING: ---

STARTED ON: 15-08-94
SLOTTED PIPE Ø : ---
DRILL TYPE: Backhoe
METHOD (SOIL): ---
DRILLING FLUID: ---

ENDED ON: 15-08-94
TUBING Ø : ---
CORE SAMPLER Ø : ---
METHOD (ROCK): ---
DONE BY: E.Giroux

LEVELLING			MONITORING WELL		SAMPLE					GEOLOGY		OBSERVATIONS		
DEPTH (meters)	ELEVATION (meters)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR O W I P	VISUAL NE SC SA	
0.00	22.04										Peaty soil, black			
0.40	21.64	▽		PVC TUBING, 50mm, SLOTTED OPENING 10 MILS		PU-31-1					Fill: gravelly sand, brown, moist			
1.20	20.84										Permafrost 1.20 metre			

STATE OF SAMPLE:
INTACT DISTURBED LOST CORE SAMPLE

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SURFACE PROTECTION: ---
SURFACE SEAL: ---
SEAL DEPTH: ---
SLOTTED PIPE LENGTH: ---
TUBING LENGTH: ---

GROUND LEVEL:
REFERENCE LEVEL: 0.00 metre
BEDROCK LEVEL: ---
GROUD LEVEL: 22.04 metres
WATER TABLE LEVEL:
-- HOUR(s) AFTER DIGGING: 21.64