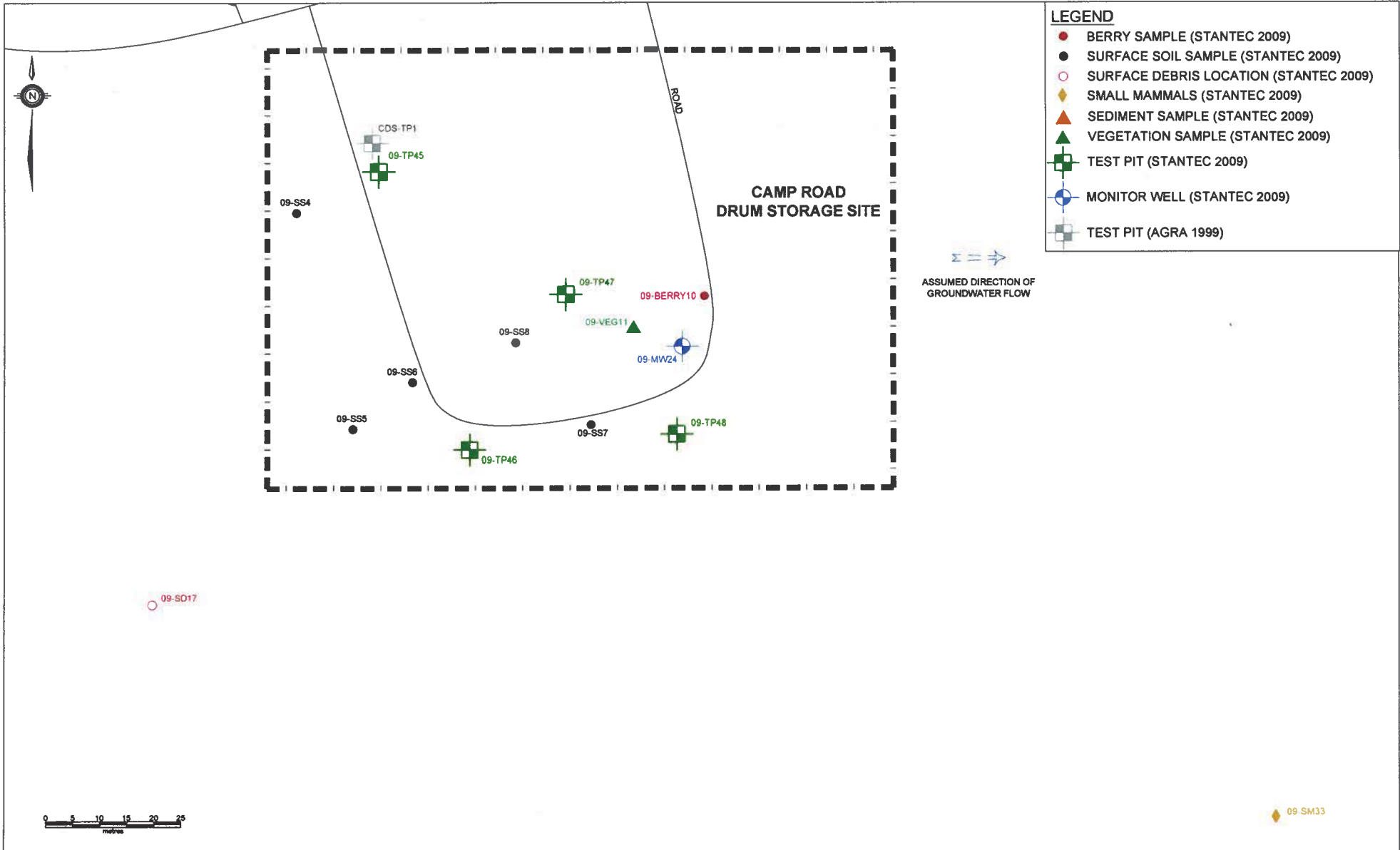


Appendix 9a

Site Drawings

– Camp Road Drum Storage Site



LEGEND

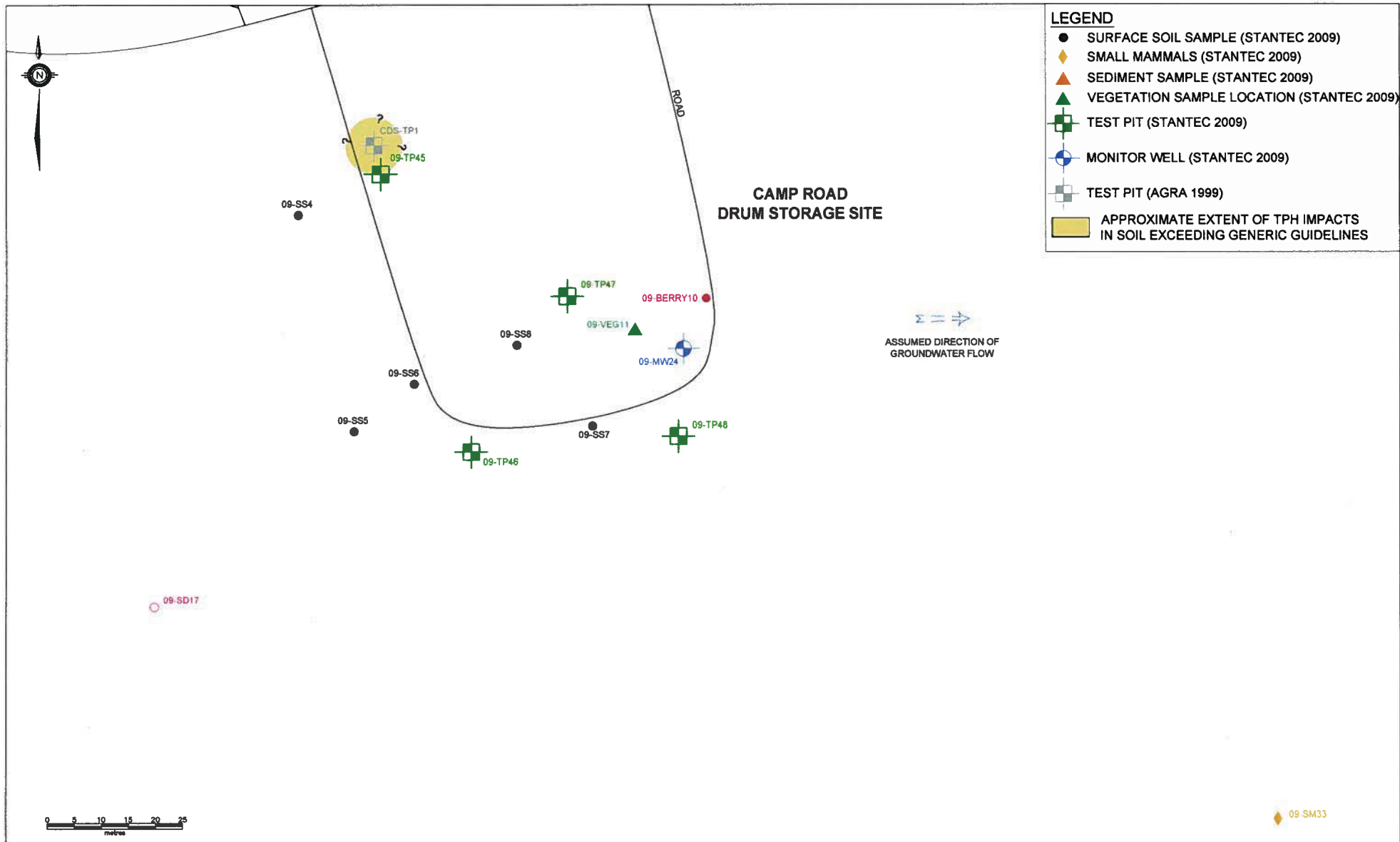
- BERRY SAMPLE (STANTEC 2009)
- SURFACE SOIL SAMPLE (STANTEC 2009)
- SURFACE DEBRIS LOCATION (STANTEC 2009)
- ◆ SMALL MAMMALS (STANTEC 2009)
- ▲ SEDIMENT SAMPLE (STANTEC 2009)
- ▲ VEGETATION SAMPLE (STANTEC 2009)
- ⊠ TEST PIT (STANTEC 2009)
- ⊕ MONITOR WELL (STANTEC 2009)
- ⊠ TEST PIT (AGRA 1999)

NOTE: THIS DRAWING ILLUSTRATES SUPPORTING INFORMATION SPECIFIC TO A STANTEC CONSULTING LTD. REPORT AND MUST NOT BE USED FOR OTHER PURPOSES.


CLIENT:	NEWFOUNDLAND AND LABRADOR DEPARTMENT OF ENVIRONMENT AND CONSERVATION
PROJECT TITLE:	PHASE III ENVIRONMENTAL SITE ASSESSMENT, HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENTS, REMEDIAL ACTION PLAN FOR THE FORMER U.S. MILITARY FACILITY OF NORTHWEST POINT, NL
DRAWING TITLE:	SITE PLAN - CAMP ROAD DRUM STORAGE SITE

SCALE: 1:800	DATE: JUNE 17, 2010
DRAWN BY: N.M.	CHECKED BY: A.R.
EDITED BY: -	REV. No. 0
DRAWING No: 121410105-EE-09A	
CAD FILE: 1044857-EE-07.DWG	

Stantec



NOTE: THIS DRAWING ILLUSTRATES SUPPORTING INFORMATION SPECIFIC TO A STANTEC CONSULTING LTD. REPORT AND MUST NOT BE USED FOR OTHER PURPOSES.

CLIENT: NEWFOUNDLAND AND LABRADOR DEPARTMENT OF ENVIRONMENT AND CONSERVATION		SCALE: 1:800	DATE: JUNE 18, 2010	 Stantec
PROJECT TITLE: PHASE III ENVIRONMENTAL SITE ASSESSMENT, HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENTS, REMEDIAL ACTION PLAN FOR THE FORMER U.S. MILITARY FACILITY OF NORTHWEST POINT, NL		DRAWN BY: N.M.	CHECKED BY: A.R.	
DRAWING TITLE: APPROXIMATE EXTENT OF TPH IMPACTS EXCEEDING GENERIC GUIDELINES - CAMP ROAD DRUM STORAGE SITE		EDITED BY: -	REV. No. 0	
		DRAWING No. 121410105-EE-09B	CAD FILE: 1044857-EE-10.DWG	

Appendix 9b

Site Photos

– Camp Road Drum Storage Site

Site Photographs – Camp Road Drum Storage Site



Photo 1 View of 09-MW24



Photo 2 View of 09-TP46

Appendix 9c

Sample Coordinates

– Camp Road Drum Storage Site

Sample Coordinates - Camp Road Drum Storage Site
Phase III ESA, HHERA and RAP
Former U.S Military Facility, Northwest Point, NL
Stantec Consulting Ltd. Project No. 121410105

Sample ID	Coordinates (NAD27)	
	Easting	Northing
TEST PITS		
09-TP45	694484	5931062
09-TP46	694502	5931011
09-TP47	694519	5931040
09-TP48	694540	5931015
MONITOR WELLS		
09-MW24	694541	5931031
SURFACE SOIL		
09-SS4	694469	5931054
09-SS5	694473	5931036
09-SS6	Not recorded	
09-SS7	694534	5931023
09-SS8	694510	5931031
RABBITS		
09-SM33	694652	5930946
VEGETATION		
09-VEG11	694532	5931034
BERRIES		
09-BERRY10	694545	5931040

Appendix 9d

Test Pit Records and Monitor Well Records



– Camp Road Drum Storage Site



TEST PIT RECORD

CLIENT NL Department of Environment and Conservation
 PROJECT Phase III ESA, HHRA & ERA, Former US Military Facility
 LOCATION Northwest Point, NL
 DATES (mm-dd-yy): DUG 8-7-09 WATER LEVEL 2.2m 8-7-09

TEST PIT No. 09-TP45
 PROJECT No. 121410105
 DATUM _____



DEPTH (m)	ELEVATION (m)	DESCRIPTION	STRATA PLOT	WATER LEVEL	SAMPLES				PID READINGS (ppm)	CHEMICAL ANALYSIS (ppm)				
					TYPE	NUMBER	HYDROCARBON ODOUR	OTHER TESTS		TPH	BENZENE	TOLUENE	ETHYLBENZENE	XYLENES
0		Loose to compact, brown, SAND (SP)			BS	1	1		0.5	-	-	-	-	-
1														
2		Compact, grey, SILT with sand (ML)		▽	BS	2	0		1.3	nd	nd	nd	nd	nd
3		End of Test Pit Very slow groundwater seepage observed at 2.2 m depth. Bedrock not encountered.												
4														
5														



TEST PIT RECORD

CLIENT NL Department of Environment and Conservation
 PROJECT Phase III ESA, HHRA & ERA, Former US Military Facility
 LOCATION Northwest Point, NL
 DATES (mm-dd-yy): DUG 8-7-09 WATER LEVEL 0.6m 8-7-09

TEST PIT No. 09-TP46
 PROJECT No. 121410105
 DATUM _____




DEPTH (m)	ELEVATION (m)	DESCRIPTION	STRATA PLOT	WATER LEVEL	SAMPLES				PID READINGS (ppm)	CHEMICAL ANALYSIS (ppm)				
					TYPE	NUMBER	HYDROCARBON ODOUR	OTHER TESTS		TPH	BENZENE	TOLUENE	ETHYLBENZENE	XYLENES
0		Loose to compact, brown, SAND (SP)			BS	1	0		4.4	-	-	-	-	-
		Compact, grey, SAND with silt (SP-SM)		▽	BS	2	0		3.6	nd	nd	nd	nd	nd
1		End of Test Pit												
		Slow groundwater seepage observed at 0.6 m depth.												
		Bedrock not encountered.												
2														
3														
4														
5														



TEST PIT RECORD

CLIENT NL Department of Environment and Conservation
 PROJECT Phase III ESA, HHRA & ERA, Former US Military Facility
 LOCATION Northwest Point, NL
 DATES (mm-dd-yy): DUG 8-7-09 WATER LEVEL 2.2m 8-7-09

TEST PIT No. 09-TP47
 PROJECT No. 121410105
 DATUM _____



DEPTH (m)	ELEVATION (m)	DESCRIPTION	STRATA PLOT	WATER LEVEL	SAMPLES				PID READINGS (ppm)	CHEMICAL ANALYSIS (ppm)				
					TYPE	NUMBER	HYDROCARBON ODOUR	OTHER TESTS		TPH	BENZENE	TOLUENE	ETHYLBENZENE	XYLENES
0		Loose, brown, SAND with gravel (SP)			BS	1	0	2.7	-	-	-	-	-	
1		Compact, grey, SAND with silt (SP-SM)												
2				▽	BS	2	0	2.3	-	-	-	-	-	
3		End of Test Pit Very slow groundwater seepage observed at 2.2 m depth. Bedrock not encountered.												
4														
5														



TEST PIT RECORD

CLIENT NL Department of Environment and Conservation
 PROJECT Phase III ESA, HHRA & ERA, Former US Military Facility
 LOCATION Northwest Point, NL
 DATES (mm-dd-yy): DUG 8-7-09 WATER LEVEL N/A

TEST PIT No. 09-TP48
 PROJECT No. 121410105
 DATUM _____

DEPTH (m)	ELEVATION (m)	DESCRIPTION	STRATA PLOT	WATER LEVEL	SAMPLES				PID READINGS (ppm)	CHEMICAL ANALYSIS (ppm)				
					TYPE	NUMBER	HYDROCARBON ODOUR	OTHER TESTS		TPH	BENZENE	TOLUENE	ETHYLBENZENE	XYLENES
0		Loose, brown, SAND (SP)			BS	1	0		3.5	-	-	-	-	-
1		Compact, grey, SILT with sand (ML)												
2					BS	2	0		1.8	nd	nd	nd	nd	nd
3		End of Test Pit No groundwater seepage observed. Bedrock not encountered.												
4														
5														



MONITOR WELL RECORD

BOREHOLE No. 09-MW24

PAGE 1 of 1

PROJECT No. 121410105

DRILLING METHOD Auger

SIZE 100mm HS

DATUM _____

CLIENT NL Department of Environment and Conservation

PROJECT Phase III ESA, HHRA & ERA, Former US Military Facility

LOCATION Northwest Point, NL

DATES (mm-dd-yy): BORING 8-8-09 WATER LEVEL 2.13m 8-8-09

DEPTH (m)	ELEVATION (m)	DESCRIPTION	STRATA PLOT	WATER LEVEL	SAMPLES				HYDROCARBON ODOUR	APPARENT MOISTURE CONTENT	PID (ppm)	TPH (ppm)	WELL CONSTRUCTION DETAILS
					TYPE	NUMBER	RECOVERY	N-VALUE OR RQD %					
0		Dark brown, SAND with gravel (SP); some cobbles					mm						0.91 m STICK UP CAST IRON WELL HEAD
		Grey, silty SAND (SM); some cobbles			SS	1	305	7	0		7.7	-	BENTONITE
1		Dark brown, SAND (SP)			SS	2	305	10	0		3.5	-	
		Dark grey, SILT (ML)			SS	3	255	21	0		7.1	-	50 mm DIAMETER No. 10 SLOT PVC SCREEN IN No. 2 SILICA SAND PACK
2		Grey, CLAY (CL)		▼	SS	4	510	22	0		1.7	nd	
		Grey, SILT (ML)			SS	5	405	26	0		10.3	-	
3		Grey, CLAY (CL)											END CAP
4		End of Borehole											
5													
6													
7													
8													
9													
10													

Appendix 9e

Laboratory Analytical Results Summary Tables

– Camp Road Drum Storage Site

Table 9.1 Results of Laboratory Analysis of TPH/BTEX in Soil - Camp Road Drum Storage Site
Phase III ESA, HHERA and RAP
Former U.S Military Facility, Northwest Point, NL
Stantec Consulting Ltd. Project No. 121410105

Sample Location	Sample Depth (m)	Benzene	Toluene	Ethyl-benzene	Xylenes	TPH Purgeable (<C ₁₀)	TPH Extractable (C ₁₀ -C ₃₂)	C ₆ -C ₁₀ (Gas Range)	C ₁₀ -C ₂₁ (Fuel Range)	C ₂₁ -C ₃₂ (Lube Range)	Modified TPH - Tier I ²	Resemblance
Units		mg/kg	mg/kg	mg/kg	mg/kg	-	-	mg/kg	mg/kg	mg/kg	mg/kg	-
Tier I RBSLs¹		0.16	14	58	17	-	-	-	-	-	140	-
1999 Sampling (AGRA)												
CDS-TP1	0.5	<0.002	0.004	0.004	0.015	1.53	21,900	-	-	-	21,902	HOD
MDL		-	0.002	0.002	0.002	0.02	0.2	-	-	-	0.2	-
2009 Sampling (Stantec)												
09-MW24-SS4	1.8 - 2.4	<0.03	<0.03	<0.03	<0.05	-	-	<3	<15	<15	<20	-
09-TP45-BS2	2.0 - 2.4	<0.03	<0.03	<0.03	<0.05	-	-	<3	<15	<15	<20	-
09-TP46-BS2	0.5 - 1.0	<0.03	<0.03	<0.03	<0.05	-	-	<3	<15	<15	<20	-
09-TP48-BS2	2.0 - 2.5	<0.03	<0.03	<0.03	<0.05	-	-	<3	<15	<15	<20	-
RDL		-	0.03	0.03	0.03	-	-	3	15	15	20	-

Notes:

1 = Partnership in RBCA (Risk-Based Corrective Action) Implementation (PIRI) Tier I Risk Based Screening Levels (RBSLs) for a residential site with non-potable groundwater and coarse grained soil, fuel oil impacts (September, 2003)

2 = Modified TPH - Tier I does not include BTEX

MDL = Method Detection Limit; RDL = Reportable Detection Limit for routine analysis

Lab-dup = laboratory duplicate sample

< # = Not detected above MDL/RDL noted

"-" = Indicates value is not available or does not apply

HOD = Heavy oil and diesel

**Table 9.2 Results of Laboratory Analysis of Metals in Soil - Camp Road Drum Storage Site
Phase III ESA, HHERA and RAP
Former U.S Military Facility, Northwest Point, NL
Stantec Consulting Ltd. Project No. 121410105**

Parameters	RDL	Units	Criteria ¹	2009 Sampling (Stantec)				
				09-SS4	09-SS5	09-SS6	09-SS7	09-SS8
Sample Depth (m)				0.0 - 0.15	0.0 - 0.15	0.0 - 0.15	0.0 - 0.15	0.0 - 0.15
Aluminum	10	mg/kg	-	1,700	3,800	3,100	2,600	2,700
Antimony	2	mg/kg	20	<2	<2	<2	<2	<2
Arsenic	2	mg/kg	12	<2	<2	<2	<2	<2
Barium	5	mg/kg	500	5	12	9	17	9
Beryllium	2	mg/kg	4	<2	<2	<2	<2	<2
Bismuth	2	mg/kg	-	<2	<2	<2	<2	<2
Boron	5	mg/kg	-	<5	<5	<5	<5	<5
Cadmium	0.3	mg/kg	10	<0.3	<0.3	<0.3	<0.3	<0.3
Chromium	2	mg/kg	64	5	5	6	6	6
Cobalt	1	mg/kg	50	<1	2	1	3	1
Copper	2	mg/kg	63	<2	<2	<2	<2	<2
Iron	50	mg/kg	-	3,900	2,700	4,000	3,800	4,400
Lead	0.5	mg/kg	140	1.2	1.1	1.7	1.1	2.6
Lithium	2	mg/kg	-	<2	<2	<2	2	<2
Manganese	2	mg/kg	-	22	79	60	95	46
Mercury	0.1	mg/kg	6.6	<0.1	<0.1	<0.1	<0.1	<0.1
Molybdenum	2	mg/kg	10	<2	<2	<2	<2	<2
Nickel	2	mg/kg	50	<2	2	2	3	2
Rubidium	2	mg/kg	-	<2	3	<2	2	<2
Selenium	1	mg/kg	1	<1	<1	<1	<1	<1
Silver	0.5	mg/kg	20	<0.5	<0.5	<0.5	<0.5	<0.5
Strontium	5	mg/kg	-	<5	<5	<5	<5	<5
Thallium	0.1	mg/kg	1	<0.1	<0.1	<0.1	<0.1	<0.1
Tin	2	mg/kg	-	<2	<2	<2	<2	<2
Uranium	0.1	mg/kg	23	0.1	0.2	0.1	0.2	0.1
Vanadium	2	mg/kg	130	9	7	10	9	11
Zinc	5	mg/kg	200	<5	8	7	8	10

Notes:

1 = CCME Canadian Soil Quality Guidelines for Protection of Environmental and Human Health at a Residential/Parkland site (2007)

RDL = Reportable Detection Limit for routine analysis

< # = Not detected above RDL noted

"-" = No applicable guideline

**Table 9.3 Results of Laboratory Analysis of PAHs in Soil - Camp Road Drum Storage Site
Phase III ESA, HHERA and RAP
Former U.S Military Facility, Northwest Point, NL
Stantec Consulting Ltd. Project No. 121410105**

Parameters	Units	Criteria ^{1,3}	Criteria ^{2,3}	1999 Sampling (AGRA)		2009 Sampling (Stantec)		
				CDS-TP1	MDL	09-SS4	09-SS6	RDL
Sample Depth (m)				0.5	-	0.0 - 0.15	0.0 - 0.15	-
Non-carcinogenic PAHs								
1-Methylnaphthalene	mg/kg	-	-	-	-	<0.005	<0.005	0.005
2-Methylnaphthalene	mg/kg	-	-	-	-	<0.005	<0.005	0.005
Acenaphthene	mg/kg	-	-	<0.01	0.002	<0.005	<0.005	0.005
Acenaphthylene	mg/kg	-	-	<0.005	0.001	<0.005	<0.005	0.005
Anthracene	mg/kg	2.5	-	<0.005	0.001	<0.005	<0.005	0.005
Fluoranthene	mg/kg	50	-	2	0.001	0.009	<0.005	0.005
Fluorene	mg/kg	-	-	<0.005	0.001	<0.005	<0.005	0.005
Naphthalene	mg/kg	-	-	<0.01	0.002	<0.005	<0.005	0.005
Perylene	mg/kg	-	-	<0.025	0.005	<0.005	<0.005	0.005
Phenanthrene	mg/kg	-	-	<0.005	0.001	0.006	<0.005	0.005
Pyrene	mg/kg	-	-	3.4	0.003	0.008	<0.005	0.005
Carcinogenic PAHs								
Benzo(a)anthracene	mg/kg	-	-	0.8	0.001	<0.005	<0.005	0.005
Benzo(a)pyrene	mg/kg	20	-	<0.015	0.003	<0.005	<0.005	0.005
Benzo(b)fluoranthene	mg/kg	-	-	0.5	0.004	<0.005	<0.005	0.005
Benzo(g,h,i)perylene	mg/kg	-	-	0.8	0.002	<0.005	<0.005	0.005
Benzo(k)fluoranthene	mg/kg	-	-	0.3	0.004	<0.005	<0.005	0.005
Chrysene	mg/kg	-	-	1.3	0.001	<0.005	<0.005	0.005
Indeno(1,2,3-c,d) pyrene	mg/kg	-	-	0.3	0.003	<0.005	<0.005	0.005
Dibenz(a,h)anthracene	mg/kg	-	-	<0.02	0.004	<0.005	<0.005	0.005
Benzo(a)pyrene TPE ⁴		-	5.3	0.229	-	0.006	0.006	-

Notes:

1 = CCME Canadian Soil Quality Guidelines for the Protection of Environmental Health at a Residential/Parkland Site (2008)

2 = CCME Canadian Soil Quality Guidelines for Protection of Human Health for a Residential Site (Direct Soil Contact) (2008)

3 = As per CCME recommendations, soil samples are compared against the SQG for the protection of human health and environmental health separately

4 = Carcinogenic PAHs Assessed as Benzo(a)pyrene Total Potency Equivalent (TPE)

MDL = Method Detection Limit; RDL = Reportable Detection Limit for routine analysis

< # = Not detected above MDL/RDL noted

"-" = No applicable guideline or does not apply

Table 9.4 Results of Laboratory Analysis of PCBs in Soil - Camp Road Drum Storage Site
Phase III ESA, HHERA and RAP
Former U.S Military Facility, Northwest Point, NL
Stantec Consulting Ltd. Project No. 121410105

Sample Location	Sample Depth (m)	Polychlorinated Biphenyls (PCBs)
	Units	ug/g
	Criteria¹	1.3
1999 Sampling (AGRA)		
CDS-TP1	0.5	<0.005
MDL	-	0.005
2009 Sampling (Stantec)		
09-SS6	0.0 - 0.15	<0.05
09-SS8	0.0 - 0.15	<0.05
09-SS8 Lab-Dup	0.0 - 0.15	<0.05
RDL	-	0.05

Notes:

1 = CCME Canadian Soil Quality Guidelines for a Residential/Parkland site (2007)

MDL = Method Detection Limit; RDL = Reportable Detection Limit for routine analysis

Lab-Dup = Laboratory duplicate sample

< # = Not detected above MDL/RDL noted

**Table 9.5 Results of Laboratory Analysis of PCBs in Vegetation - Camp Road Drum Storage Site
Phase III ESA, HHERA and RAP
Former U.S Military Facility, Northwest Point, NL
Stantec Consulting Ltd. Project No. 121410105**

Sample Location	Polychlorinated Biphenyls (PCBs)
RDL	0.05
Units	ug/L
Criteria	na
2009 Sampling (Stantec)	
09-VEG-11	<0.3

Notes:

RDL = Reportable Detection Limit

na = No applicable guideline

< # = Not detected above RDL noted

**Table 9.6 Results of Laboratory Analysis of PCBs in Berries - Camp Road Drum Storage Site
Phase III ESA, HHERA and RAP
Former U.S Military Facility, Northwest Point, NL
Stantec Consulting Ltd. Project No. 121410105**

Sample Location	Polychlorinated Biphenyls (PCBs)
RDL	0.05
Units	ug/g
Criteria	na
2009 Sampling (Stantec)	
09-BERRY 10	<0.05

Notes:

RDL = Reportable Detection Limit

na = No applicable guideline

< # = Not detected above RDL noted

**Table 9.7 Results of Laboratory Analysis of PCBs/Crude Fat in Rabbit Tissue Samples - Camp Road Drum Storage Site
Phase III ESA, HHERA and RAP
Former U.S Military Facility, Northwest Point, NL
Stantec Consulting Ltd. Project No. 121410105**

Location	Polychlorinated Biphenyls (PCBs)	Crude Fat
RDL	0.05 / 0.07	0.5
Units	ug/g	%
Criteria	na	na
2009 Sampling (Stantec) - Rabbits		
09-SM33	<0.05	2.0
09-SM33 Lab-Dup	-	2.1

Notes:

RDL = Reportable Detection Limit

na = No applicable guideline

Lab-Dup = Laboratory duplicate sample

< # = Not detected above RDL noted

"-" = Not analyzed

**Table 9.8 Results of Laboratory Analysis of Metals in Rabbits - Camp Road Drum Storage Site
Phase III ESA, HHERA and RAP
Former U.S Military Facility, Northwest Point, NL
Stantec Consulting Ltd. Project No. 121410105**

Parameters	RDL	Units	Criteria	2009 Sampling (Stantec) - Rabbits
				09-SM33
Aluminum	2.5	mg/kg	na	-
Antimony	0.50	mg/kg	na	-
Arsenic	0.50	mg/kg	na	-
Barium	1.5	mg/kg	na	-
Beryllium	0.50	mg/kg	na	-
Boron	1.5	mg/kg	na	-
Cadmium	0.050	mg/kg	na	-
Chromium	0.50	mg/kg	na	-
Cobalt	0.20	mg/kg	na	-
Copper	0.50	mg/kg	na	-
Iron	15	mg/kg	na	-
Lead	0.18	mg/kg	na	-
Lithium	0.50	mg/kg	na	-
Manganese	0.50	mg/kg	na	-
Mercury	0.10	mg/kg	na	<0.1
Molybdenum	0.50	mg/kg	na	-
Nickel	0.50	mg/kg	na	-
Selenium	0.50	mg/kg	na	-
Silver	0.12	mg/kg	na	-
Strontium	1.5	mg/kg	na	-
Thallium	0.020	mg/kg	na	-
Tin	0.50	mg/kg	na	-
Uranium	0.020	mg/kg	na	-
Vanadium	0.50	mg/kg	na	-
Zinc	1.5	mg/kg	na	-

Notes:

RDL = Reportable Detection Limit

na = No applicable guideline

< # = Not detected above RDL noted

"-" = Not analyzed

Appendix 9f

Results of Hydraulic Response (Bail-Down) Test

– Camp Road Drum Storage Site

Stantec Consulting Ltd.

607 Torbay Road
 St. John's, NL, A1A 4Y6
 Tel: (709) 576-1458

Slug Test Data Report

Project: Northwest Point
 Number: 121410105
 Client: NLDEC

Test Well: 09-MW24

Slug Test: 09-MW24

Depth to Static WL: 3.78 [m]

Test Well: 09-MW24

Location:

Casing radius: 0.025 [m]

Recorded by: Stantec

Boring radius: 0.05 [m]

Date: 8/27/2009

Screen length: 3.05 [m]

Aquifer Thickness: 0.46 [m]

	Time [s]	Depth to WL [m]	Drawdown [m]
1	10	4.21	0.43
2	20	4.16	0.38
3	30	4.09	0.31
4	40	4.00	0.22
5	50	3.99	0.21
6	60	3.98	0.20
7	120	3.91	0.13
8	180	3.87	0.09
9	240	3.83	0.05
10	300	3.81	0.03
11	330	3.79	0.01
12	360	3.79	0.01
13	420	3.78	0.00

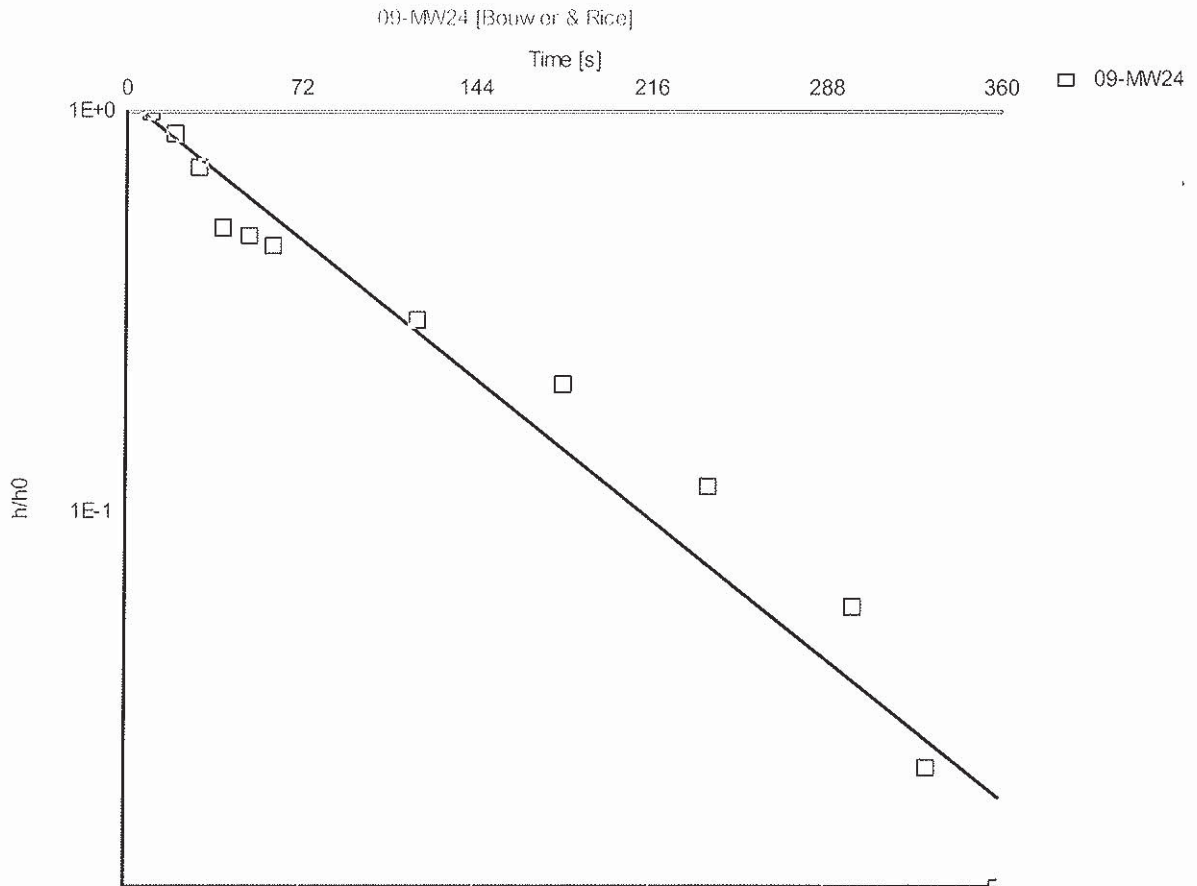
Stantec Consulting Ltd.

607 Torbay Road
St. John's, NL, A1A 4Y6
Tel: (709) 576-1458

Slug Test Analysis Report

Project: Northwest Point
Number: 121410105
Client: NLDEC

Waniv



Slug Test: 09-MW24

Analysis Method: Bouwer & Rice

Analysis Results:

Conductivity: 2.10E-6 [m/s]

Test parameters: Test Well: 09-MW24

Aquifer Thickness: 0.46 [m]

Casing radius: 0.025 [m]

Gravel Pack Porosity (%) 25

Screen length: 3.05 [m]

Boring radius: 0.05 [m]

r(eff): 0.033 [m]

Comments:

Evaluated by: AR

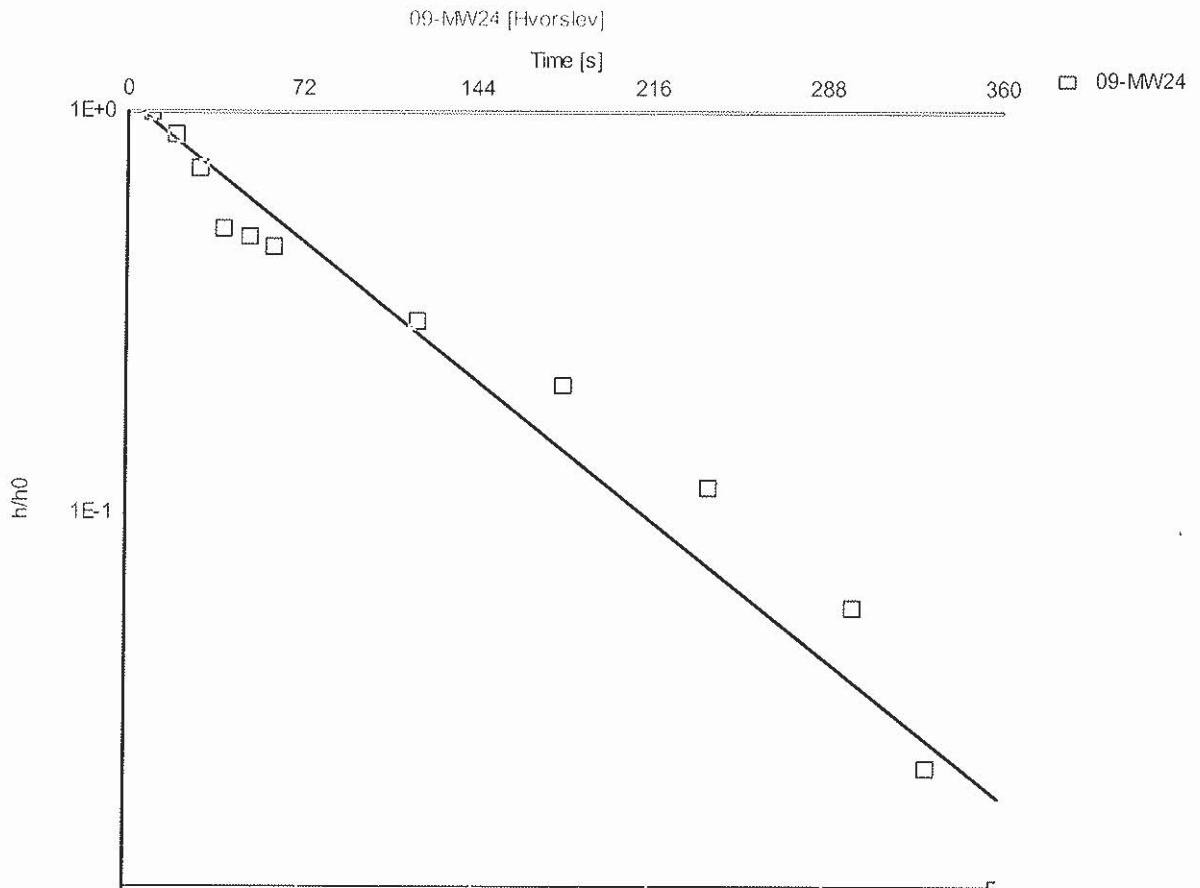
Evaluation Date: 6/9/2010

Stantec Consulting Ltd.

607 Torbay Road
St. John's, NL, A1A 4Y6
Tel: (709) 576-1458

Slug Test Analysis Report

Project: Northwest Point
Number: 121410105
Client: NLDEC



Slug Test: 09-MW24

Analysis Method: Hvorslev

Analysis Results:

Conductivity: 4.72E-6 [m/s]

Test parameters: Test Well: 09-MW24

Aquifer Thickness: 0.46 [m]

Casing radius: 0.025 [m]

Screen length: 3.05 [m]

Boring radius: 0.05 [m]

Comments:

Evaluated by: AR

Evaluation Date: 6/9/2010