



NWB LICENCE No. 2BE-PBP1115

2012 REPORT OF ACTIVITIES

Dwayne Car, P.Geo

January, 2013

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Water Licence 2BE-PBP1115 – Northquest Ltd

Executive Summary of Report on 2012 Activities

Northquest Ltd's Pistol Bay camp was in operation from June 25th to October 4th and diamond drilling occurred between July 16th and October 2nd. One drill was operational from July 16th to September 30th. Following approval of an amendment request, a second drill became operational September 24th and was operated until October 2nd.

The camp drew drinking and wash water from a nearby pond and utilized 102.5 cubic metres during the 101 days of operation, averaging 1.01 cubic metres per day.

The drilling operation drew water from 4 separate ponds and utilized 4,613 cubic metres of water. Drill #1 was operational for a total of 77 days and consumed an average of 53.3 cubic metres per day. Drill #2 was operational for a total of 9 days and consumed an average of 56.1 cubic metres per day.

All non-hazardous waste, excluding paper and cardboard was transported to the Whale Cove municipal dump by helicopter and truck every few days during the program.

Paper and cardboard were burned at camp.

Waste oil was placed in two 45 gallon drums. Currently, the drums are stored in a fuel berm at the campsite. They will be disposed of in a proper manner during the 2013 work season.

Used batteries are currently stored at the campsite.

All remaining fuel (112 drums) is currently stored in four fuel berms at the campsite.

All grey-water was dumped into a sump containing two perforated drums and rocks within a pit dug in sand.

Sewage was contained in pits dug beneath the two outhouses.

No unauthorized discharges occurred in 2012.

All drill sites were cleared of foreign debris.

No artesian flow occurrences were noted during the drilling.

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NWB Annual Report

Year being
reported: 2012

Select ▼

License
No:

2BE-PBP1115

Issued
Date:
Expiry
Date:

June 20, 2011

June 30, 2015

Project Name:

Pistol Bay

Licensee:

Northquest Ltd

Mailing Address:

Suite 101 – 50 Richmond St E
Toronto,
ON
M5C1N7

Name of Company filing Annual Report (if different from Name of Licensee please

General Background Information on the Project (*optional):

Licence Requirements: the licensee must provide the following information in accordance with

Part B ▼ Item 2 ▼

A summary report of water use and waste disposal activities, including, but not limited to: methods of obtaining water; sewage and greywater management; drill waste management; solid and hazardous waste management.

Water Source(s):

Ponds

Water Quantity:

1.0/day

Quantity Allowable Domestic (cu.m)

102.5

Actual Quantity Used Domestic (cu.m)

120/day

Quantity Allowable Drilling (cu.m)

4,613

Total Quantity Used Drilling (cu.m)

Waste Management and/or Disposal

☒ Solid Waste Disposal

☒ Sewage

☒ Drill Waste

☒ Greywater

☒ Hazardous

☐ Other:

Additional Details:

A list of unauthorized discharges and a summary of follow-up actions taken.

Spill No.: (as reported to the Spill Hot-line)

Date of Spill:

Date of Notification to an Inspector:

Additional Details: (impacts to water, mitigation measures, short/long term monitoring, etc)

Revisions to the Spill Contingency Plan

Select 

Additional Details:

Revisions to the Abandonment and Restoration Plan

Select 

Progressive Reclamation Work Undertaken

Additional Details (i.e., work completed and future works proposed)

Results of the Monitoring Program including:

The GPS Co-ordinates (in degrees, minutes and seconds of latitude and longitude) of each location where sources of water are utilized;

Select 

Additional Details:

The GPS Co-ordinates (in degrees, minutes and seconds of latitude and longitude) of each location where wastes associated with the licence are deposited;

Additional Details:

Results of any additional sampling and/or analysis that was requested by an Inspector

Additional Details: (date of request, analysis of results, data attached, etc)

Any other details on water use or waste disposal requested by the Board by November 1 of the year being reported.

Additional Details: (Attached or provided below)

Any responses or follow-up actions on inspection/compliance reports

Additional Details: (Dates of Report, Follow-up by the Licensee)

Any additional comments or information for the Board to consider

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Date Submitted:

February 5, 2013

Submitted/Prepared by:

Dwayne Car

Contact Information:

Tel:

705-694-5777

Fax:

email:

dwayne.car777@gmail.com

GPS Coordinates for water sources utilized

Source Description	Latitude			Longitude		
	Deg °	Min '	Sec "	Deg °	Min '	Sec "
Camp Water	62	20	58	92	44	47
Source for BH's 1,2,3	62	19	0.4	92	43	21.6
Source for BH's 4,5,6	62	21	39.6	93	4	52.1
Source for BH 7	62	20	58.4	93	5	18.1
Source for BH's 8 to 22	62	19	29.3	92	50	40.7

GPS Locations of areas of waste disposal

Location Description (type)	Latitude			Longitude		
	Deg °	Min '	Sec "	Deg °	Min '	Sec "
Kitchen and Shower Sump	62	21	0	92	44	58
Outhouse Pits	62	21	1	92	45	1
BH 12-1 Sump	62	18	55.9	92	43	27.5
BH 12-2 Sump	62	18	54.5	92	43	25.2
BH 12-3 Sump	62	18	55.9	92	43	31.8
BH 12-4 Sump	62	21	34.7	93	4	33.3
BH 12-5 Sump	62	21	34.4	93	4	29.3
BH 12-6 Sump	62	21	36.8	93	4	29.5
BH 12-7 Sump	62	21	18.7	93	5	4.7
BH 12-8 -11 Sump	62	19	31.1	92	50	57.8
BH 12-12 Sump	62	19	33.9	92	50	56.3
BH 12-13 Sump	62	19	37	92	50	57.6
BH 12-14 Sump	62	19	34.9	92	50	54.2
BH 12-15 Sump	62	19	33.1	92	50	52.6
BH 12-16 Sump	62	19	32.8	92	50	50.9
BH 12-17 Sump	62	19	33.3	92	51	1.1
BH 12-18 Sump	62	19	34.9	92	51	1.1
BH 12-19 Sump	62	19	33.6	92	51	4.8
BH 20, 21 Sump	62	19	32.4	92	50	59.7
BH 22 Sump	62	19	32.4	92	50	56.1

Detailed Summary of Activities as per item 2 of PART B

Northquest Ltd's Pistol Bay camp was in operation from June 25th to October 4th. The diamond drilling program occurred between July 16th and October 2nd.

2. a. The camp drew drinking and wash water from a nearby pond and utilized 102.5 cubic metres during the 101 days of operation, averaging 1.01 cubic metres per day. Copies of the log recording daily use are provided in Appendix 1.

The drilling operation drew water from 4 separate ponds and utilized 4,613 cubic metres of water. Drill #1 was operational for a total of 77 days and consumed an average of 53.3 cubic metres per day. Drill #2 was operational for a total of 9 days and consumed an average of 56.1 cubic metres per day. Copies of the log recording daily use are provided in Appendix 1.

All non-hazardous waste, excluding paper and cardboard was transported to the Whale Cove municipal dump by helicopter and truck every few days during the program. A copy of the log recording quantities of trash and dates of transport is provided in Appendix 2.

Paper and cardboard were burned at camp.

Waste oil was placed in two 45 gallon drums. Currently, the drums are stored in a fuel berm at the campsite. They will be disposed of in a proper manner during the 2013 work season.

Used batteries are currently stored at the campsite.

All remaining fuel (112 drums) is currently stored in four fuel berms at the campsite.

All grey-water was dumped into a sump containing two perforated drums and rocks within a pit dug in sand. A photograph of the sump is provided in Appendix 3.

Sewage was contained in pits dug beneath the outhouses.

2. b. No unauthorized discharges occurred in 2012.

2. c. There are no revisions to the Spill Contingency Plan and Abandonment and Restoration Plan.

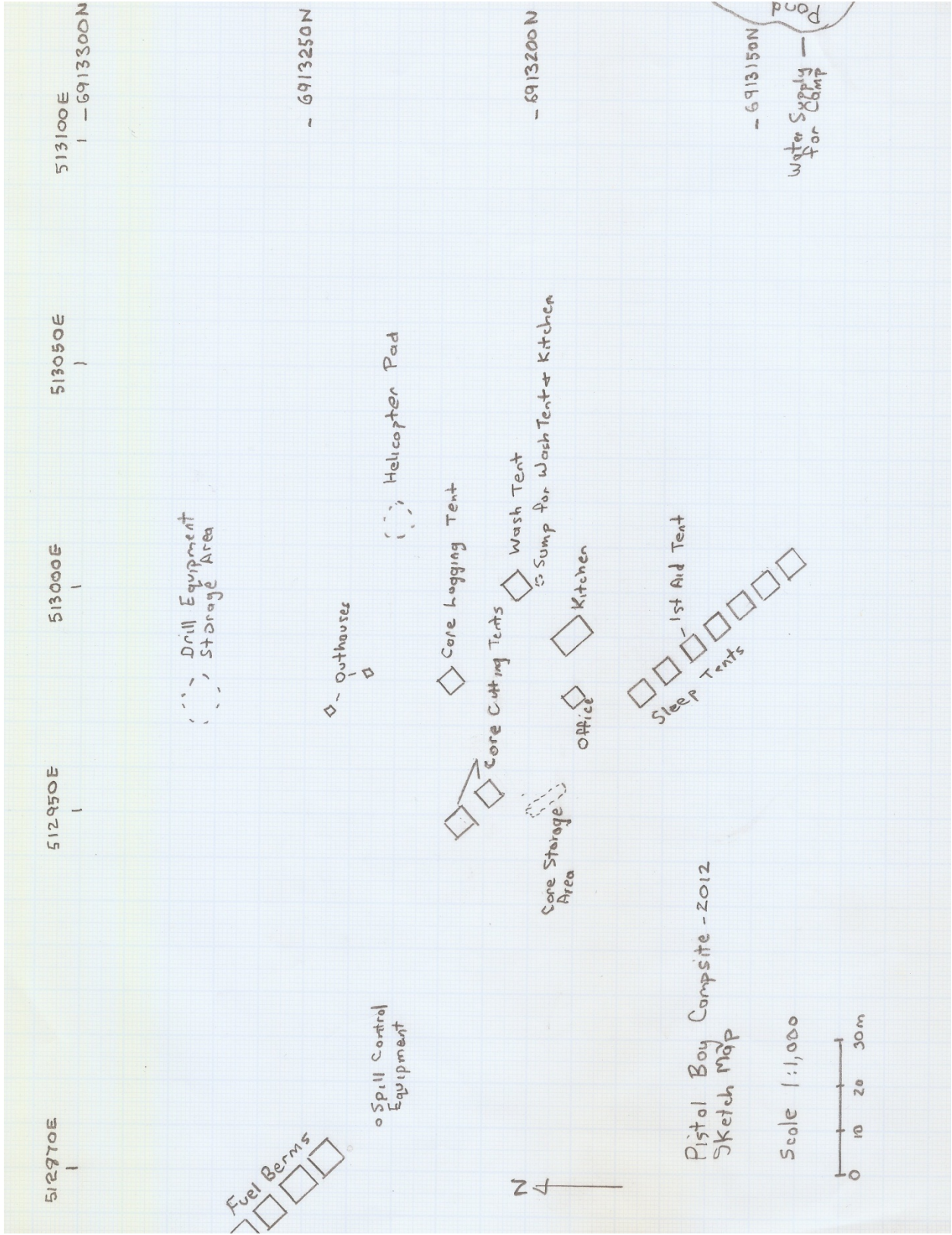
2. d. All drill sites were cleared of foreign debris. Photographs of the sites are provided in Appendix 4.

2. e. No artesian flow occurrences were noted during the drilling.

2.f. Significant perma-frost was not encountered in holes PB-12 1 to 7. This allowed for the use of minimal heated brine in these holes. However, significant perma-frost was present in holes PB-12-8 to 22. This required the use of heated brine for all drilling in these holes.

2. g. Monitoring was not requested. Therefore, no monitoring results are provided.

2. h. No other details were requested by the board.



APPENDIX 1

SCANNED IMAGES OF DAILY WATER USE RECORDS

Camp Water Use - 2012

Cubic Metres

June	25	3/4	0.8
	26	1/4	0.27
	27	3/4	0.8
	28	full	1.1
	29	1/2	0.55
	30	1/2	0.55

July	1	3/4	0.8
	2	1/2	0.55
	3	1/2	0.55
	4	full	1.1
	5	3/4	0.8
	6	1/2	0.55
	7	3/4	0.8
	8	1/2	0.55
	9	0	—
	10	3/4	0.8
	11	1/2	0.55
	12	3/4	0.8
	13	full	1.1
	14	3/4	0.8
	15	3/4	0.8
	16	full	1.1
	17	3/4	0.8
	18	full	1.1
	19	3/4	0.8
	20	3/4	0.8
	21	1 1/4	1.4
	22	3/4	0.8
	23	3/4	0.8
	24	full	1.1
	25	3/4	0.8
	26	full	1.1
	27	3/4	0.8
	28	3/4	0.8
	29	1/2	0.55

27.4

			Cubic m.
July	30	1 1/4	1.4
	31	3/4	0.8
Aug	1	Full	1.1
	2	3/4	0.8
	3	1 1/4	1.4
	4	Full	1.1
	5	3/4	0.8
	6	Full	1.1
	7	3/4	0.8
	8	1 1/4	1.4
	9	1 1/4	1.4
	10	Full	1.1
	11	Full	1.1
	12	1 1/4	1.4
	13	3/4	0.8
	14	Full	1.1
	15	3/4	0.8
	16	3/4	0.8
	17	1 1/4	1.4
	18	Full	1.1
	19	Full	1.1
	20	Full	1.1
	21	Full	1.1
	22	1 1/4	1.4
	23	1 (Full)	1.1
	24	1 =	1.1
	25	1 =	1.1
	26	1 =	1.1
	27	1 =	1.1
	28	1 =	1.1
	29	1 =	1.1
	30	1 =	1.1
	31	1 1/4	1.4
September	1 st	1 =	1.1
	2	1 =	1.1
	3	1 =	1.1
	4	3/4	0.8
	5	1	1.1
			41.8

September			Cu Metre
6 th	1	(Full)	1.1
7 th	1		1.1
8 th	1 1/2		1.65
9 th	1 1/2		1.65
10 th	1	(full)	1.1
11 th	1	(Full)	1.1
12 th	1	=	1.1
13 th	1	=	1.1
14 th	1	=	1.1
15 th	1 1/2		1.65
16 th	3/4		0.8
17 th	1	Full	1.1
18 th	1		1.1
19 th	1 1/2		1.65
20 th	1		1.1
21 st	1		1.1
22 nd	3/4		0.8
23 rd	1		1.1
24 th	1 1/4		1.4
25 th	1		1.1
26 th	3/4		0.8
27 th	1 1/4		1.4
28 th	1 1/4		1.4
29 th	1		1.1
30 th	1 1/4		1.4
Oct	1	1 1/4	1.4
	2	1	1.1
	3	3/4	0.8
	4		

/ 33.3

Total = 102.5 cum
Period = 101 days

2012 Water ~~Consumption~~ Consumption at Drills

	gallons (mp)
July 16	6158
17	5742
18	6071
19	6236
20	5684
21	6302
22	5885
23	6327
24	6122
25	6571
26	4732
27	5319
28	6284
29	6108
30	3126
31	3124
Aug 1	5976
2	4860
3	5217
	4138
	6112
	6365
	5240
	4827
	6152
	6047
	6369
	5964
	6072
	2264
	3250
	5600
	5535
	4957
	2115
	6213

DRILL #1

Aug 4	6045
	6155
5	6345
	6541
6	6175
	6329
7	6780
	7185
8	6840
	6725
9	6100
	6150
10	5988
	6112
11	6184
	6877
12	6204
	6198
13	6485
	7184
14	Ø
15	Ø
16	7084
	7184
17	6892
	6844
18	7014
	6994
19	6780
	7084
20	6840
	6740
21	6894
	4160
22	3784
	6683

Aug 23 / 2012

DRILL #1

23	6927
24	6627
	6969
25	6885
	6722
	7000
26	6653
	1875
27	5180
	6840
28	6945
	6827
29	7068
	6500
30	5647
	6450
31	6741

Sept 1

	6640
	6687
	5580
2	6821
	6885
3	6942
	6747
4	4272
	6885
5	6954
	6600
6	6804
	7100
7	6860
	6960
8	4214
	7040
9	6841
	6890
10	7130
	6872

2012

4

Sept 11

2012

DRILL #1

	6922
	6794
12	6992
	7400
13	6897
	7105
14	4164
	6785
15	6940
	6825
16	6920
	7060
17	6850
	6970
18	3140
	7100
19	6980
	6840
20	6950
	6850
21	7108
	7210
22	1000
	6950
23	6882
	6950
24	6980
	6200
25	6920
	7100
26	1250
	7200
27	6890
	730
28	6950
	6850
29	6720
	5860
30	600

DRILL #2

2100
6850
6900
6980
6980
6890
6900
6900
7010
6870
6950
6872
6900
6890

Total = 903689 and 1/2

DRILL #2

Oct 1

6875

6950

2

5250

Total = 111,067 gallons

DRILL #1 Total = 903,689 gals or 4108 cubic metres / 77 days
average daily consumption = 53.3 cu m

DRILL #2 Total = 111,067 gals or 504.9 cu m / 9 days
average daily consumption = 56.1 cu m

APPENDIX 2

SCANNED IMAGE OF GARBAGE DISPOSAL RECORDS

2012 Garbage Disposal

June	29	-	5	bags	to WC & heli then truck
July	2		4	"	" " " "
July	5	-	2	"	" " " "
July	8		4	"	" " " "
July	13		4	"	" " " "
	15		3	"	" WC by truck - ferry Kablos
	21		4	"	" " " " heli + truck
	25		3	"	" by heli & by truck
	26		3	"	" " " " " "
	30		4	"	" " " " " "
Aug	1		4	"	" " " " " "
	3		3	"	" " " " " "
	6		3	"	" " " " " "
	7		4	"	" " " " " "
	8		4	"	" " " " " "
	11		7	bags	" " " " " "
	16		3	"	" " " " " "
	17		4	"	" " " " " "
	19		8	"	" " " " " "
	20		5	"	" " " " " "
	24		3	"	" " " " " "
	29		12	"	" " " " " "
Sept.	4		3	"	" " " " " "
	9		12	"	" " " " " "
	17		14	"	" " " " " "
	24		11	"	" " " " " "
	30		3	"	" heli + truck
Oct	4		12	"	" " " " " "

✓

APPENDIX 3
PHOTOGRAPHS OF CAMP



Aerial View of Pistol Bay Campsite – July 2012



Truck Driven to Base Camp by a Resident of Whale Cove Using Existing Gravel Road and ATV Trail



Sump for Wash Tent and Kitchen

APPENDIX 4

PHOTOGRAPHS OF DRILL SITES AND WATER PUMP LOCATIONS



BH PB-12-01 Site Before Diamond Drilling



BH PB-12-01 Site After Diamond Drilling



BH PB-12-02 Site Before Diamond Drilling



BH PB-12-02 Site After Diamond Drilling



BH PB-12-03 Site Before Diamond Drilling



BH PB-12-03 Site After Diamond Drilling



BH PB-12-04 Site Before Diamond Drilling



BH PB-12-04 After Diamond Drilling



BH PB-12-05 Site Before Diamond Drilling



BH PB-12-05 Site After Diamond Drilling



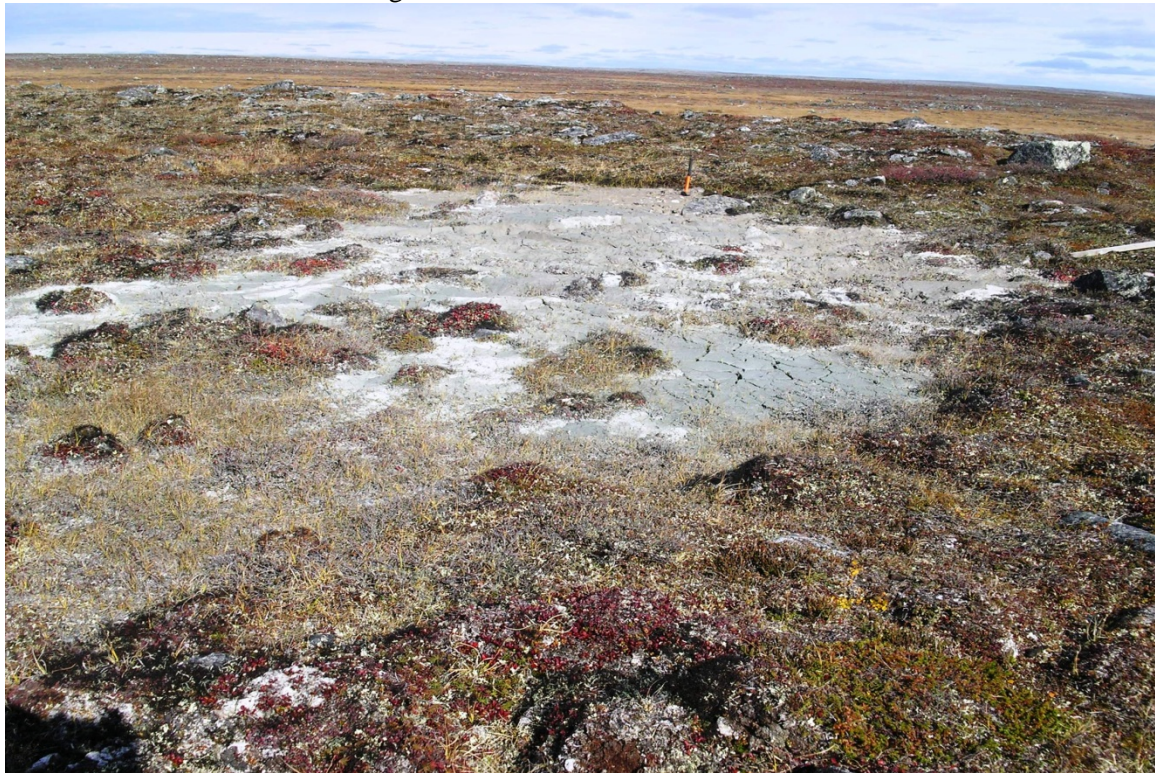
BH PB-12-06 Site Before Drilling



BH PB-12-06 Site After Drilling



BH PB-12-07 Site Before Drilling



BH PB-12-07 Site After Drilling



BH PB-12-08, 09, 10, 11 Site Before Drilling



BH PB-12-08, 09, 10, 11 Site After Drilling



BH PB-12-12 Site After Diamond Drilling



BH PB-12-13 Site After Drilling



BH PB 12-14 Site Before Drilling



BH PB-12-14 Site After Drilling



BH PB-12-15 Site Before Drilling



BH PB-12-15 Site After Drilling



BH PB-12-16 Site Before Drilling



BH PB-12-16 Site After Drilling



BH PB-12-17 Site Before Drilling



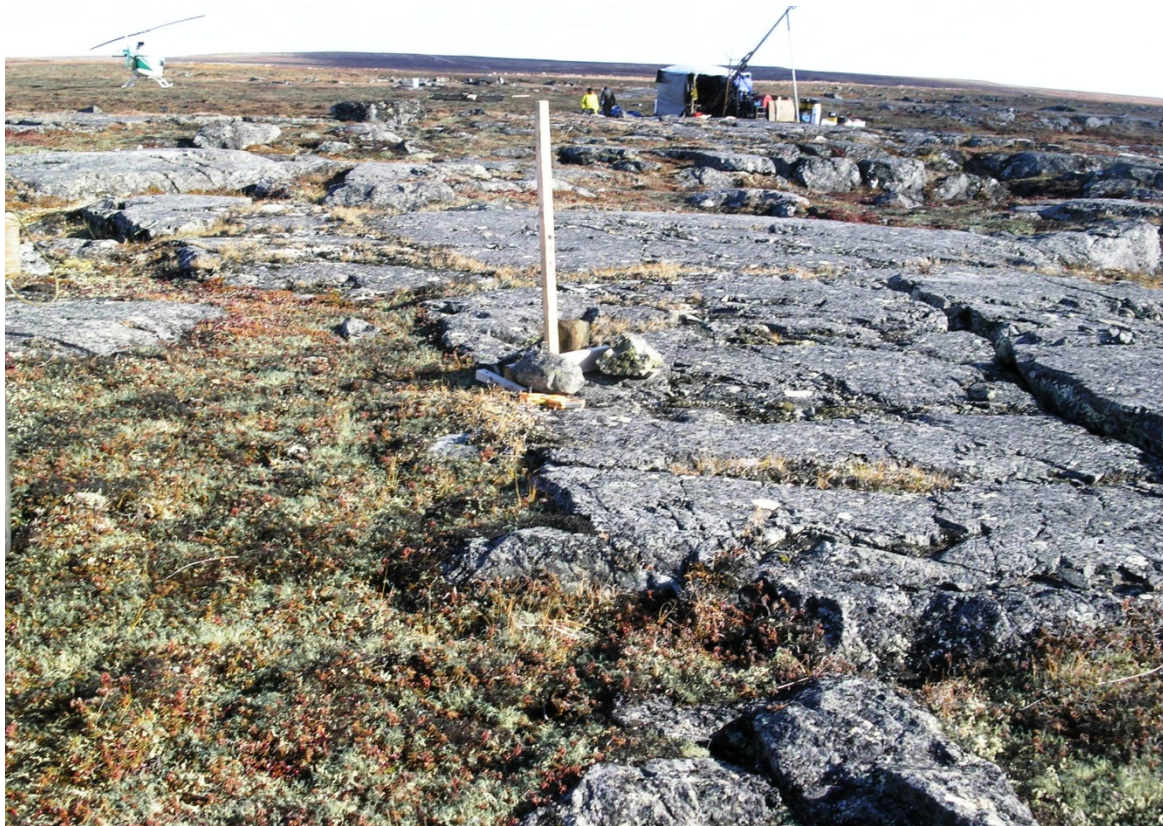
BH PB-12-17 Site After Drilling



BH PB-12-18 Site Before Drilling



BH PB-12-18 Site After Drilling



BH PB-12-19 Site Before Drilling



BH PB-12-19 Site After Drilling



BH PB-12-20, 21 Site Before Drilling



BH PB-12-20, 21 Site After Drilling



BH PB-12-22 Site Before Drilling



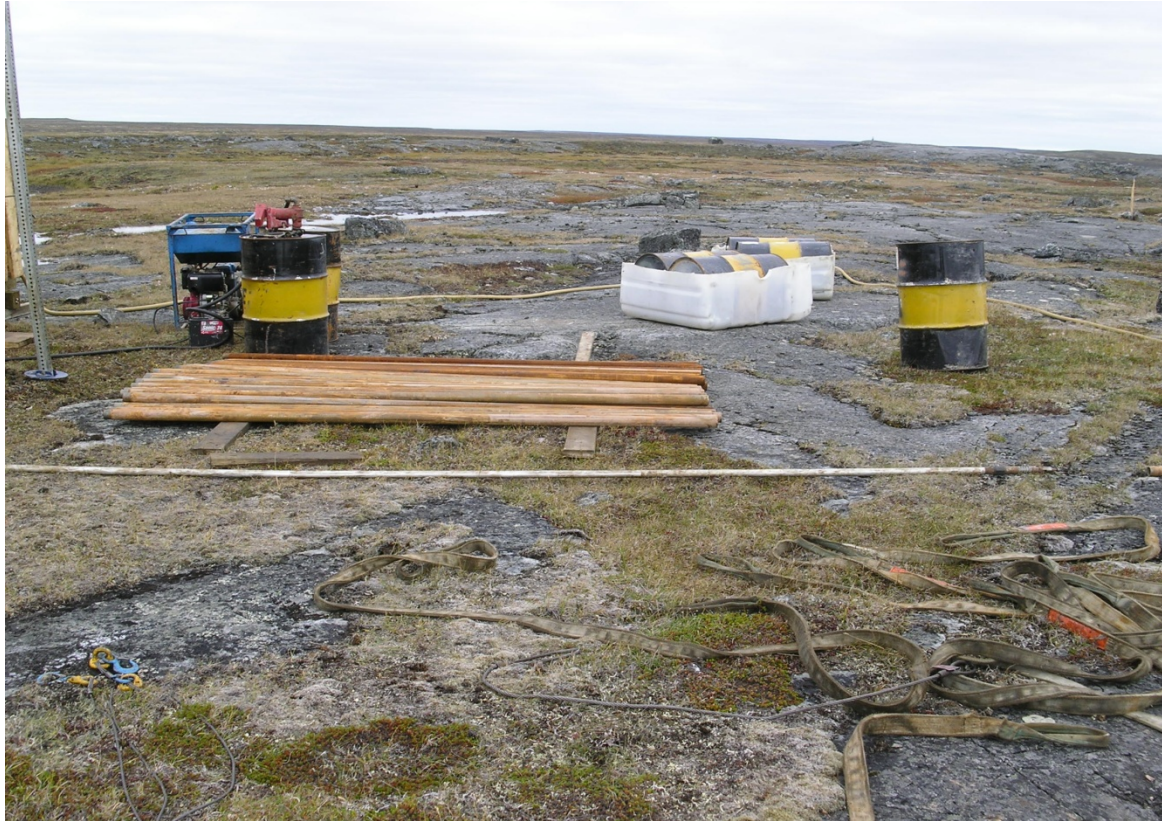
BH PB-12-22 Site After Drilling



Typical Drill Set-Up



Typical Drill Set-Up



Storage of Extra Fuel in Berms at a Typical Drill Site



Location of Water Pump for BH's PB-12-4, 5, 6 After Pump Was Removed



Location Of Water Pump For BH PB-12-07 After Drilling Was Completed



Location of Water Pump for BH's 8 to 22 After Drilling Was Completed