



**NWB LICENCE No. 2BE-PBP1115**

**2013 REPORT OF ACTIVITIES**

**Dwayne Car, P.Geo**

**January, 2014**

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## **Water Licence 2BE-PBP1115 – Northquest Ltd**

### **Executive Summary of Report on 2013 Activities**

Prior to resumption of field activities, the Pistol Bay base camp was renovated. All existing canvas-covered tents were replaced by all-season Weatherhaven tents. The existing kitchen tent was replaced by a plywood all-weather structure. An additional 4 Weatherhaven tents were also constructed in camp. As well, a 14 by 16 foot Weatherhaven tent was constructed at the Vickers target to act as an emergency shelter for the drill crew.

Northquest Ltd's Pistol Bay camp was in operation from July 6<sup>th</sup> to October 18<sup>th</sup> and diamond drilling occurred between July 18<sup>th</sup> and August 15<sup>th</sup>. Only one drill was used and all work was done at the Vickers target. Ten holes totaling 2011 metres were completed.

The camp drew drinking and wash water from a nearby pond. A total of 95.4 cubic metres of water were utilized during the 102 days of operation. Camp water consumption averaged 0.93 cubic metres per day.

The drilling operation drew water from one pond and utilized 1474.2 cubic metres of water. The drill was operational for a total of 28 days and consumed an average of 52.65 cubic metres per day.

A Ford F250 half ton truck was transported by ship from Montreal to Whale Cove in late July. The truck was then driven to the base camp using an existing road system. The truck was used to make trips to Whale Cove to deliver garbage and pick up groceries and local crew members.

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 45 gallon drums. Currently, 2.5 drums of waste oil are stored in a fuel berm at the campsite. During the 2013 field season, logistical delays prevented transport of the oil to a disposal site in Churchill. It is planned that the waste oil will be disposed of in a proper manner during the 2014 work season.

Used AA and D cell batteries were transported to Ontario by D. Car and disposed of.

120 bags of CaCl are stored inside one of the Weatherhaven tents. This tent is being used as a storage tent for the salt as well as other equipment.

Four fuel berm drains with filters were purchased for \$7,800 and installed on the existing fuel berms.

A total of 340 drums of fuel are currently stored at the base camp.

One hundred and five 100 lb cylinders of propane are currently stored at the base camp.

All grey-water generated in camp was dumped into a sump containing three 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 2013. Several litres of fuel stained the sand at one of the fuel berms. This sand was dug up and placed into a 5 gallon plastic bucket. This bucket will be properly disposed of in 2014 when the waste oil is transferred for disposal.

All drill sites were cleared of foreign debris.

No artesian flow occurrences were noted during the drilling.



[illegible]

[illegible][illegible][illegible]
$$(L^{\Gamma^b} \sigma \triangleright^{\Gamma^c})^{\Gamma^c} (\triangleright \triangleleft^c \quad \text{L}\sigma^{\Gamma^b} \triangleright^a \sigma \triangleleft \triangleright^{\Gamma^c})^c.$$

$d\Delta \leq b_{CD} r_C^{\frac{1}{n}} (\langle L^C \rangle \sigma_D)^{\frac{n-1}{n}} \Gamma^{\frac{1}{n}} (LD^{\frac{1}{n}}) \Delta^{\frac{n-1}{n}}$ .

**NWB Annual Report**

**Year being  
reported: 2013**

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)

95.4

Actual Quantity Used Domestic (cu.m)

120/day

Quantity Allowable Drilling (cu.m)

1,474.2

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:**

January 30, 2014

**Submitted/Prepared by:**

Dwayne Car

**Contact Information:**

**Tel:**

705-694-5777

**Fax:**

**email:**

[dwayne.car777@gmail.com](mailto: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 13-1 to 10	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 13-1 Sump	62	19	32.4	92	50	56.1
BH 13-2 Sump	62	19	30.8	92	50	56.1
BH 13-3 Sump	62	19	35.1	92	50	59.7
BH 13-4 Sump	62	19	23.4	92	50	55.5
BH 13-5 Sump	62	19	36.9	92	51	01.3
BH 13-6 Sump	62	19	31.4	92	51	01.3
BH 13-7 Sump	62	19	37.3	92	50	59.5
BH 13-8 Sump	62	19	34.5	92	50	56.1
BH 13-9 Sump	62	19	37.1	92	50	54.3
BH 13-10 Sump	62	19	32.8	92	50	50.9

## **Detailed Summary of Activities as per item 2 of PART B**

Northquest Ltd's Pistol Bay camp was in operation from July 16<sup>th</sup> to October 18<sup>th</sup>. The diamond drilling program occurred between July 18<sup>th</sup> and August 15<sup>th</sup>.

**2. a.** The camp drew drinking and wash water from a nearby pond and utilized 95.4 cubic metres during the 102 days of operation, averaging 0.93 cubic metres per day. Copies of the log recording daily use are provided in Appendix 1.

The drilling operation drew water from one pond and utilized 1,474.2 cubic metres of water. The single drill was operational for a total of 28 days and consumed an average of 52.65 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 three 45 gallon drums. Currently, 2.5 drums of waste oil are stored in a fuel berm at the campsite. Logistical delays prevented transport of the oil to a waste disposal site. It is expected that they will be disposed of in a proper manner during the 2014 work season.

Used AA and D cell batteries were transported to Ontario by D. Car and disposed of.

One hundred and twenty 20 kg bags of CaCl are stored inside one of the Weatherhaven tents. This tent is being used as a storage tent for the salt as well as other equipment.

A total of 340 drums of fuel are currently stored at the base camp.

One hundred and five 100 lb cylinders of propane are currently stored at the base camp.

All grey-water was dumped into a sump containing three perforated drums and rocks within a pit dug in sand. A photograph of 2013 modifications to the sump is provided in Appendix 3.

Sewage was contained in pits dug beneath the outhouses.

**2. b.** No unauthorized discharges occurred in 2013. However, several litres of fuel leaked from one of the fuel berms. The contaminated sand was placed into a 20 litre plastic bucket for future disposal.

**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 encountered in holes PB-13- 1 to 10. This required the use of heated water for all drilling operations. The water was heated by two oil heaters that burn diesel



fuel. Approximately 200 kg of CaCl were utilized during the drill program to produce brine for downhole tests.

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

**2. h.** During the 2013 inspection, the water board inspector requested that the following items be addressed: install filtered drains on the fuel berms, install a refueling berm at the helicopter pad, and utilize double-walled fuel tanks at the drill.

Four drains with filters were purchased from the berm manufacturer and installed. A refueling berm was manufactured on site and used for all helicopter refueling. Double walled fuel tanks will be used during the 2014 drill program.

512970E

512950E

513000E

513050E

513100E  
- 6913300N

Fuel Bunks

Spill Control Equipment

Core Cutting Tents  
Core Storage Area

Outhouse

Generator Shack  
Core Logging Tent  
Helicopter Pad

Office  
Wash Tent  
Sump for Wash Tent  
Kitchen

1st Aid Tent  
Sleep Tents  
Sleep Tents

Pistol Boy Composite - 2013  
Sketch Map

Scale 1:1,000

0 10 20 30m

N

- 6913250N

- 6913200N

- 6913150N

Water Supply -  
Pool for Camp

## **APPENDIX 1**

### **SCANNED IMAGES OF DAILY WATER USE RECORDS**

2013 Water Use - Camp  
Water Tank Capacity is 1.1 cu metres

		Cubic Metres		Cubic Metres
July	6	Full 1.1	5	1 1/2 1.65
	7	3/4 0.8	6	Full 1.1
	8	Full 1.1	7	Full 1.1
	9	1 1/4 1.4	8	3/4 0.8
	10	Full 1.1	9	Full 1.1
	11	Full 1.1	10	1 1/4 1.4
	12	1 1/4 1.4	11	1 1/4 1.4
	13	1 1/2 1.65	12	Full 1.1
	14	Full 1.1	13	Full 1.1
	15	3/4 0.8	14	3/4 0.8
	16	Full 1.1	15	Full 1.1
	17	Full 1.1	16	1 1/4 1.4
	18	1 1/4 1.4	17	1 1/2 1.65
	19	1 1/4 1.4	18	Full 1.1
	20	Full 1.1	19	Full 1.1
	21	3/4 0.8	20	3/4 0.8
	22	3/4 0.8	21	3/4 0.8
	23	1 1/4 1.4	22	Full 1.1
	24	1 1/2 1.65	23	3/4 0.8
	25	Full 1.1	24	3/4 0.8
	26	Full 1.1	25	3/4 0.8
	27	1 1/4 1.4	26	Full 1.1
	28	1 1/4 1.4	27	3/4 0.8
	29	1 1/4 1.4	28	3/4 0.8
	30	Full 1.1	29	3/4 0.8
	31	3/4 0.8	30	Full 1.1
Avg	1	1 1/4 1.4	31	Full 1.1
	2	1 1/4 1.4	26.25 1.1 / 28.7	
	3	1 1/4 1.4	Ccu	
	4	Full 1.1	31.5 35.9 cum	



# 2013- Water Consumption of Drill

		Date		
July	19	6348	Aug 4	4126
		6465		6275
	20	6338	5	6394
		6342		6402
	21	6154	6	6388
		6302		6414
	22	6348	7	4072
		6322		6451
	23	3485	8	6387
		6332		6423
	24	6402	9	4446
		6510 / 73348 ✓		6377
	25	6328	10	6384
		6344		6389
	26	6380	11	5682
		6482		-
	27	6307	12	4681
		6348		6407
	28	6489	13	6349
		6458		6387
	29	2928	14	4136
		6421		6294
	30	6420	15	6462
		6455 / 73360 ✓		4285 / 93542
	31	2185		
		6431		324279
Aug	1	6328		= 1474.2 cu.m
		6421		during 28 days
	2	3626		average daily consumption = 52.65
		6325		cubic metres
	3	6298		
		6344		

## **APPENDIX 2**

### **SCANNED IMAGE OF GARBAGE DISPOSAL RECORDS**

# 2013 - Garbage Runs

Date

July 10 - 4 bags

17 17 "

26 22 "

Aug 3 24 "

12 27

17 20

25 22 "

29 20 "

Sept 4 - 18 bags

Sept 11 - 21 "

Sept 12 - 25 "

Sept 27 - 14

Oct 10 - 16 "

Oct 14 4 "



**APPENDIX 3**  
**PHOTOGRAPHS OF CAMP**



Aerial View of Pistol Bay Campsite – July 2013





2013 Addition to Camp Grey Water Disposal System





Fuel Berm Filtered Drain

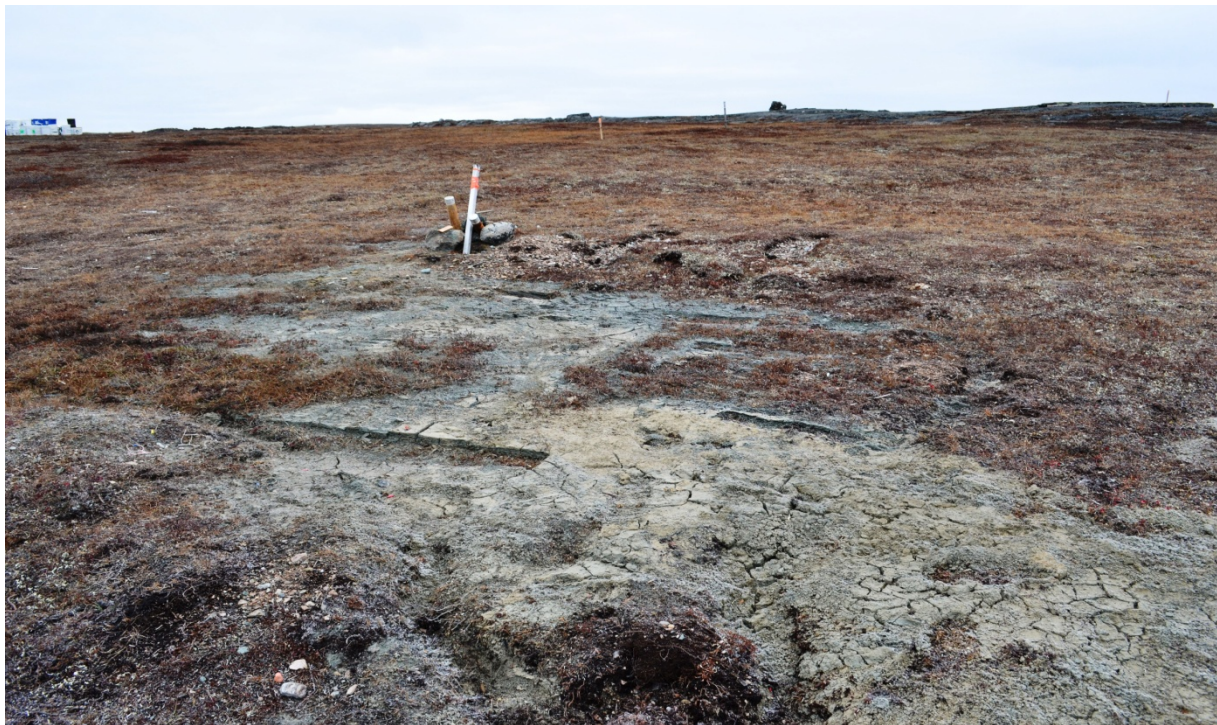
## **APPENDIX 4**

### **PHOTOGRAPHS OF DRILL SITES AND WATER PUMP LOCATION**





BH PB-13-01 Site Before Diamond Drilling



BH PB-13-01 Site After Diamond Drilling





BH PB-13-02 Site Before Diamond Drilling

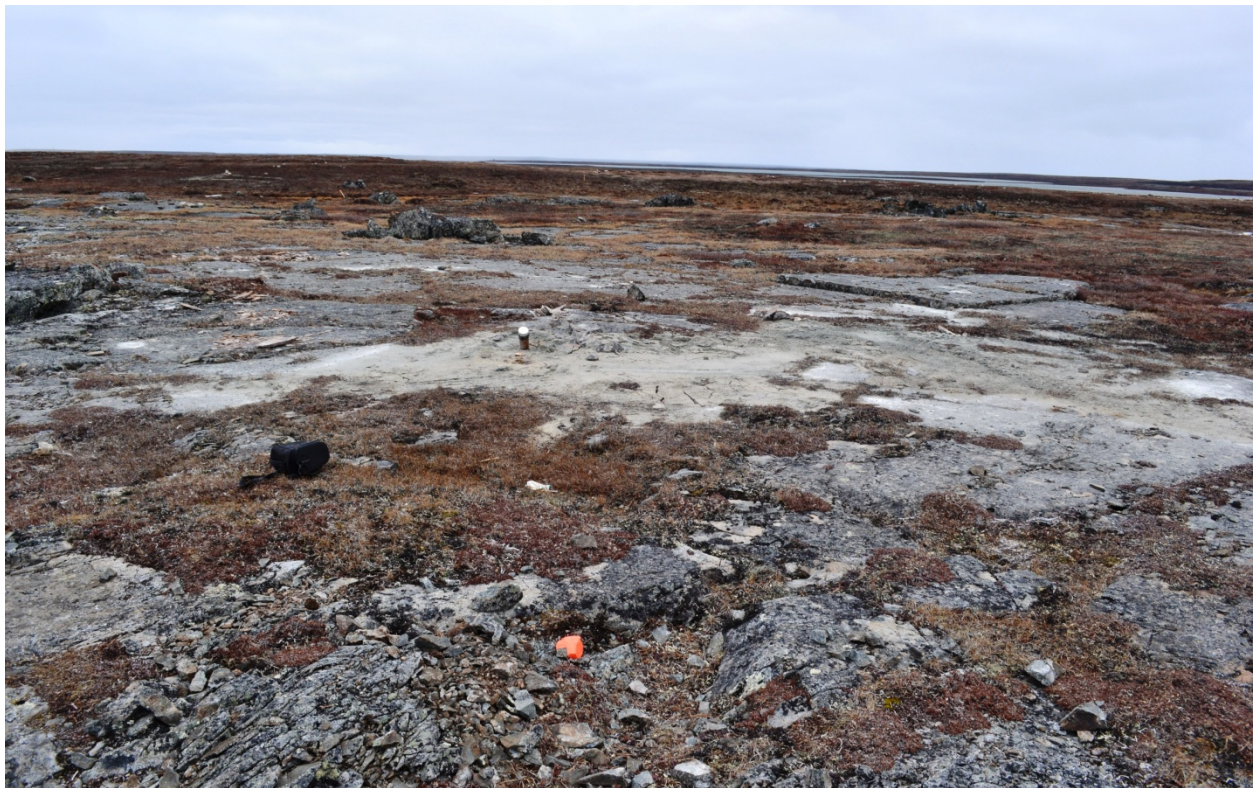


BH PB-13-02 Site After Diamond Drilling



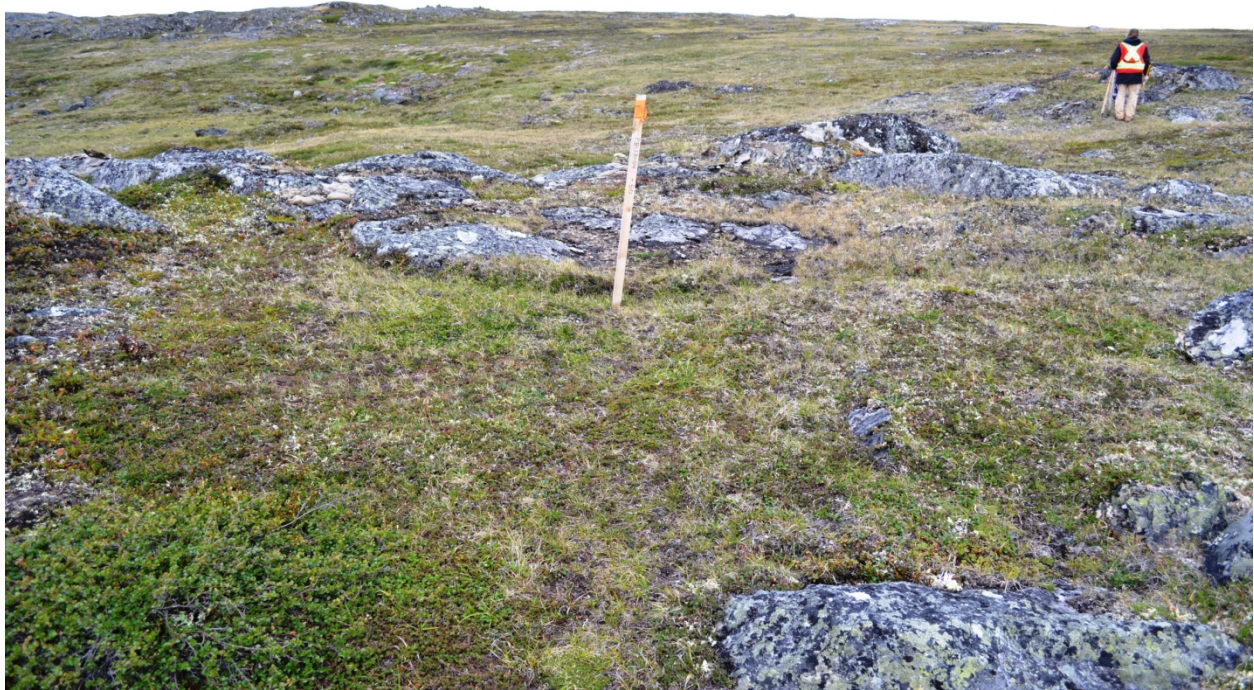


BH PB-13-03 Site Before Diamond Drilling



BH PB-13-03 Site After Diamond Drilling



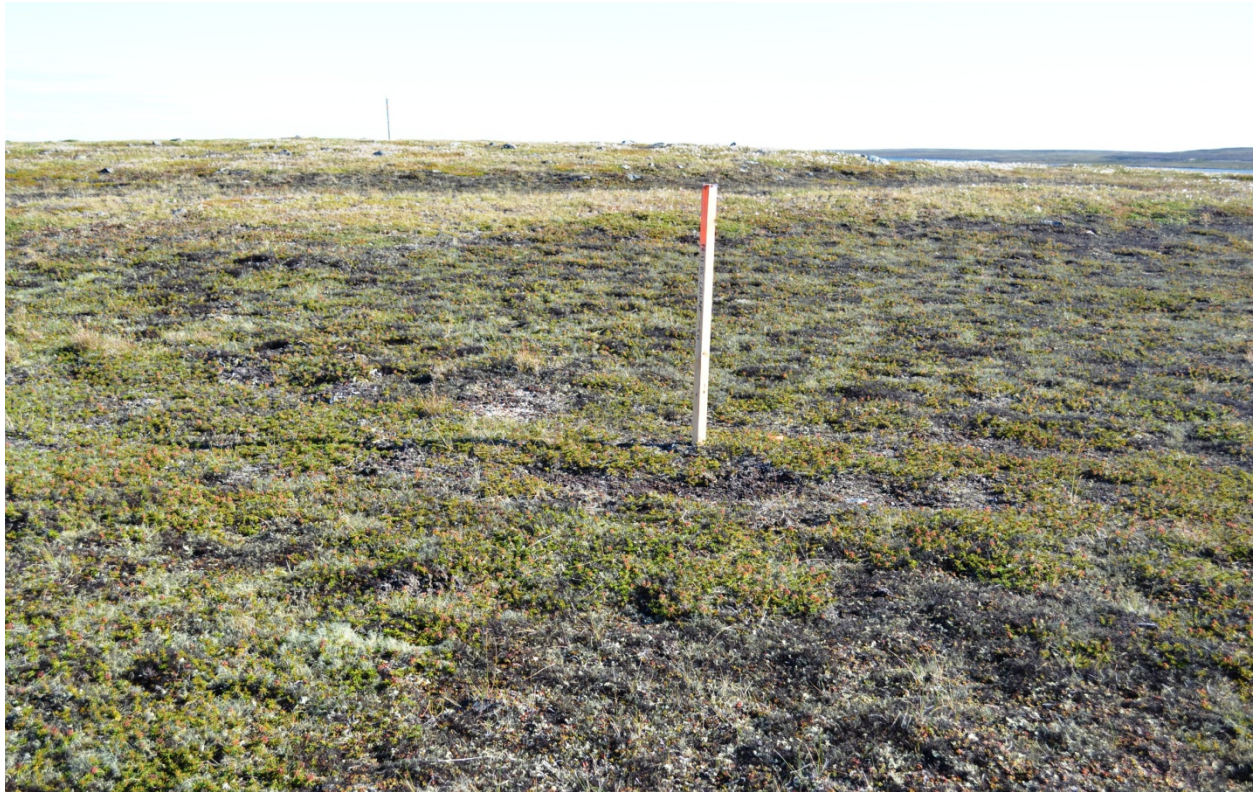


BH PB-13-04 Site Before Diamond Drilling



BH PB-13-04 After Diamond Drilling



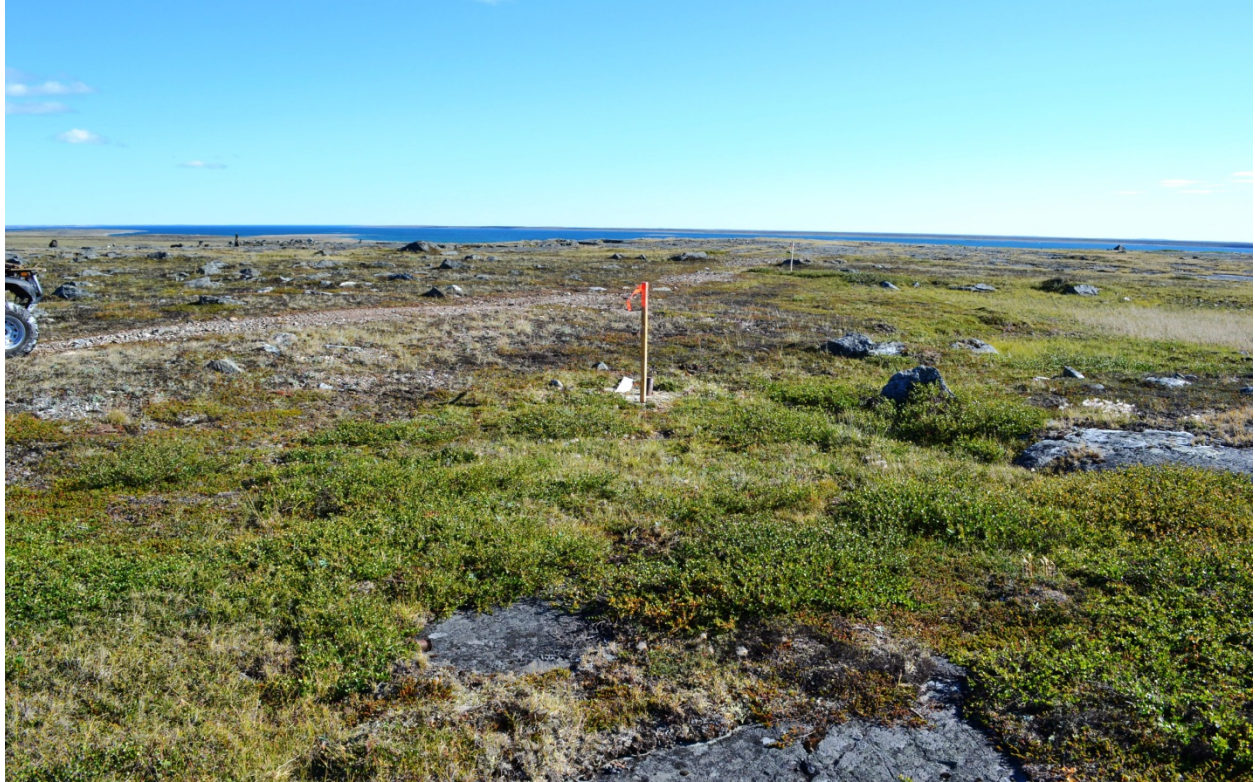


BH PB-13-05 Site Before Diamond Drilling



BH PB-13-05 Site After Diamond Drilling





BH PB-13-06 Site Before Drilling



BH PB-13-06 Site After Drilling



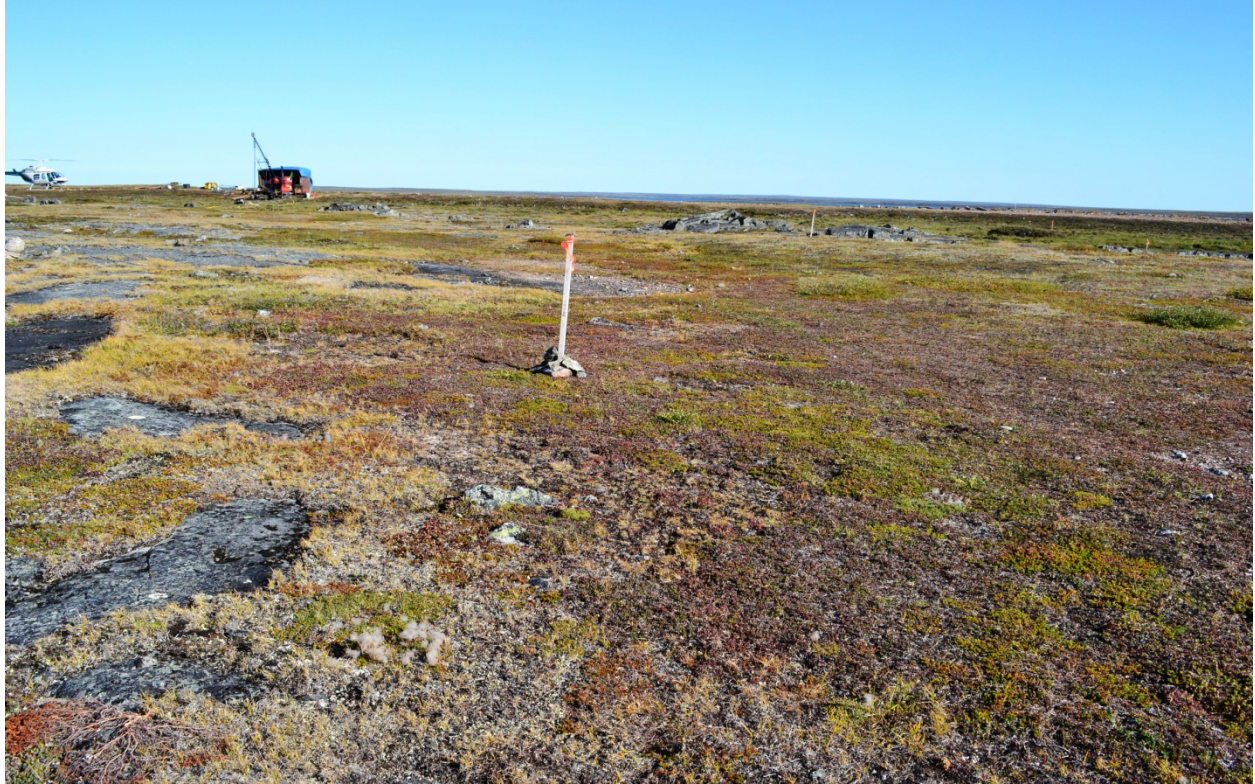


BH PB-13-07 Site Before Drilling

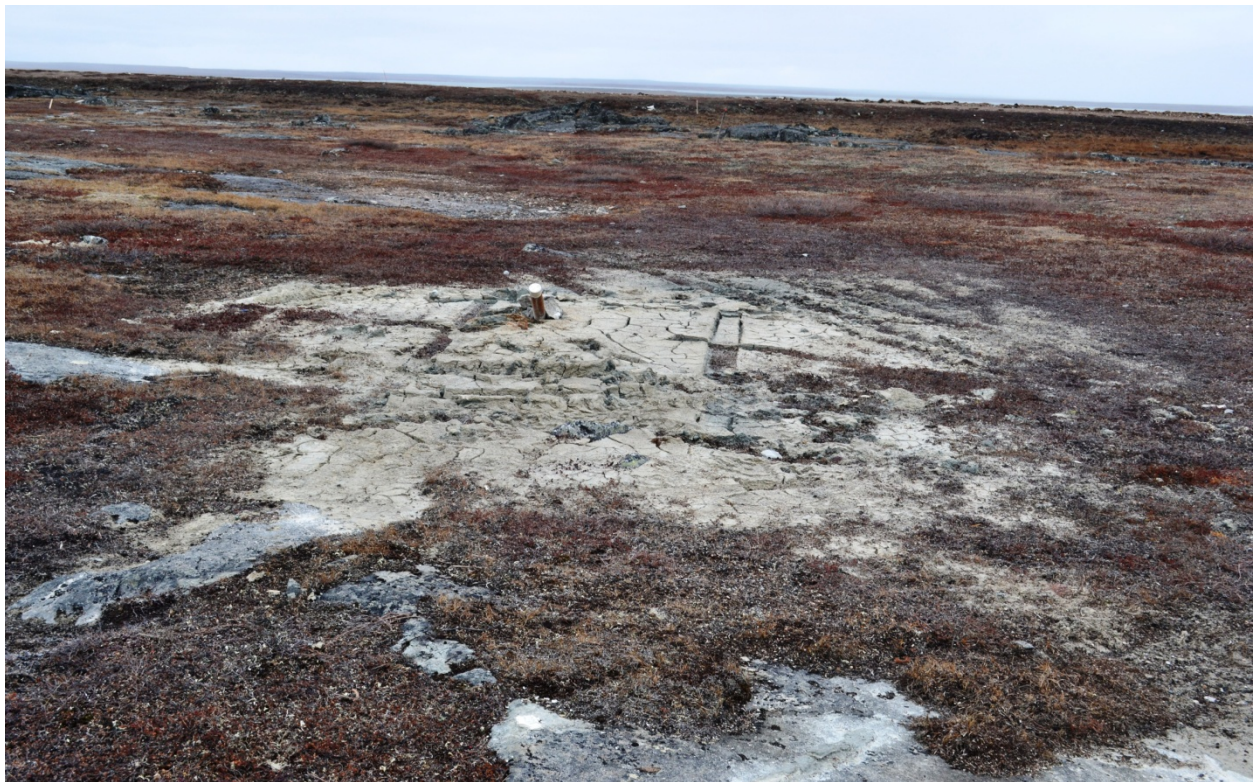


BH PB-13-07 Site After Drilling





BH PB-13-08 Site Before Drilling



BH PB-13-08 Site After Drilling



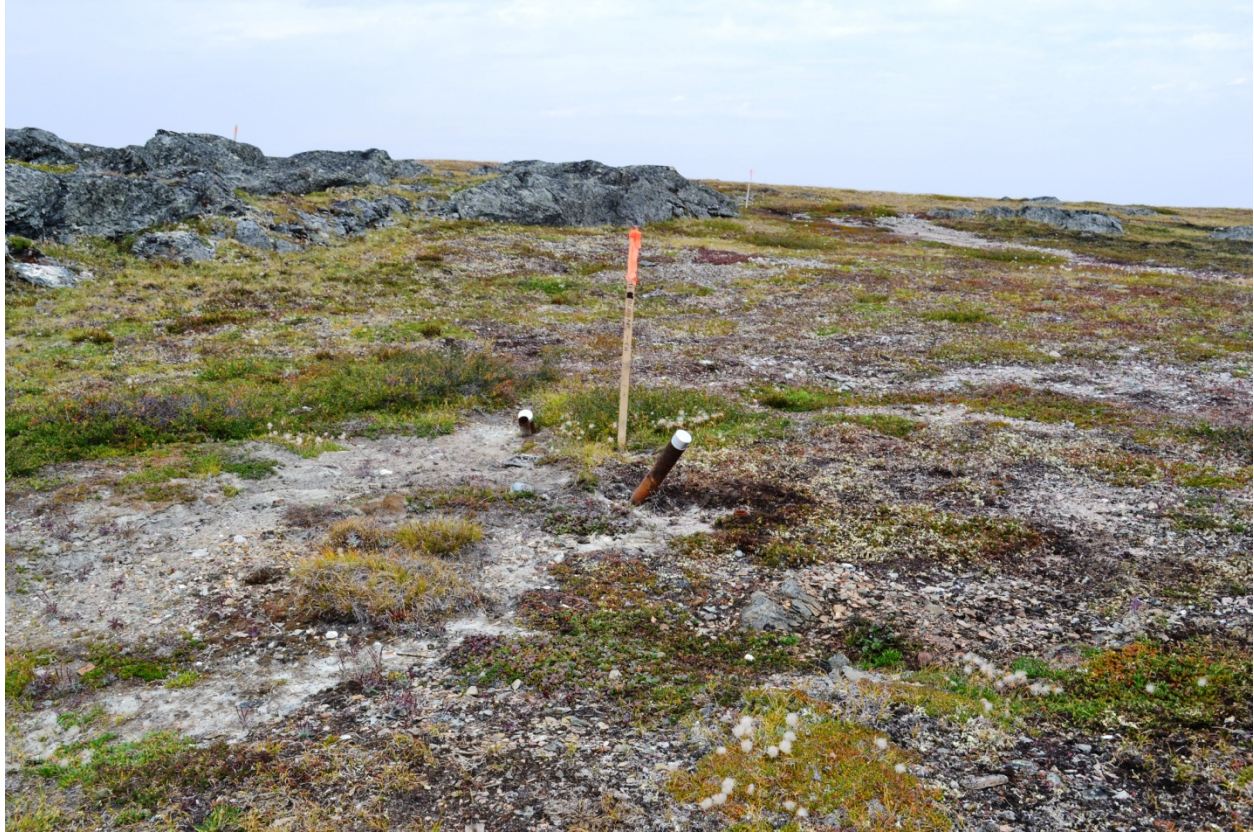


BH PB-13-09 Site Before Diamond Drilling



BH PB-13-09 Site After Drilling

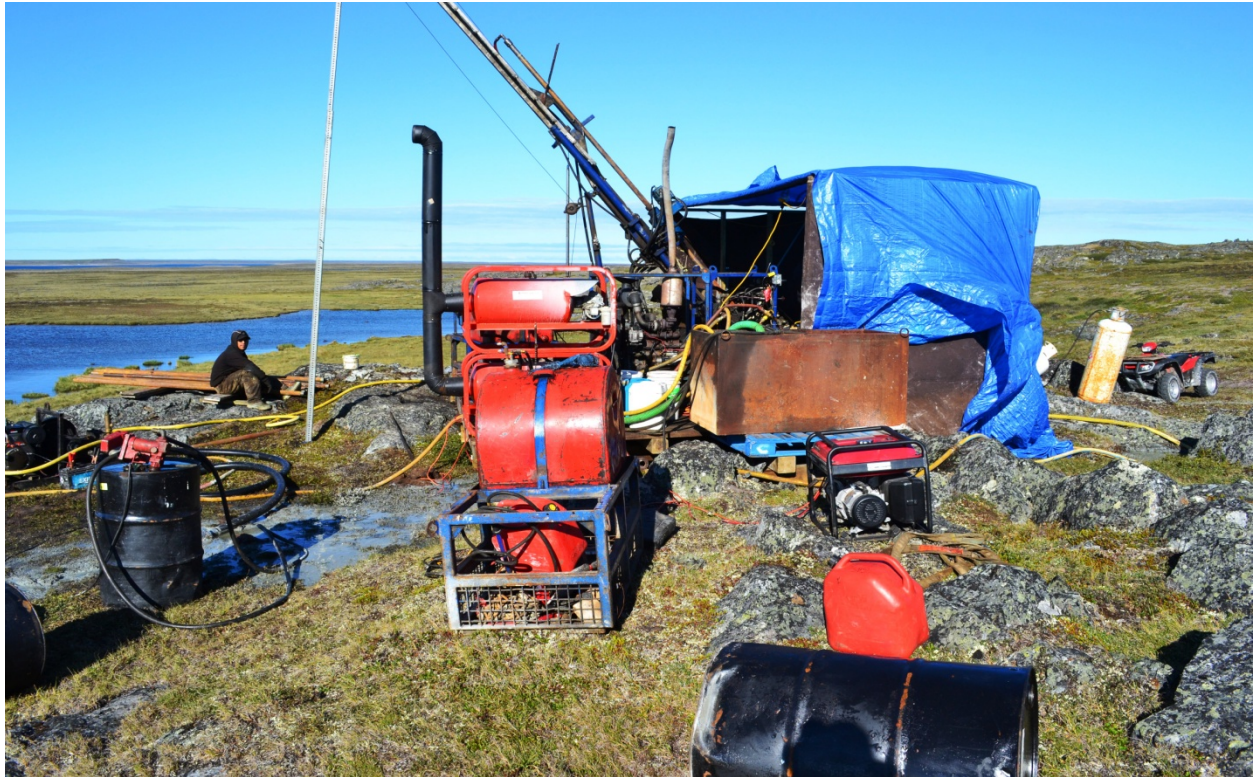




BH PB 13-10 Site Before Drilling

BH PB 13-10 site photo after drilling is not available because some drilling equipment is currently stored on site.





Typical Drill Set-Up



Typical Drill Set-Up





Location of Water Pump for BH's 1 to 10