

NWB Annual Report

Year being reported:

&\$%%

License No:

3BC-MCP1112

Issued Date:

April 18, 2011

Expiry Date:

April 30, 2012

Project Name:

Metamorphic geology and tectonics of Cumberland Peninsula, Baffin

Licensee:

Brett Hamilton

Mailing Address:

Department of Geoscience, University of Calgary
 2500 University Dr NW
 Calgary AB T2N 1N4

Name of Company filing Annual Report (if different from Name of Licensee please clarify relationship between the two entities, if applicable):

Brett Hamilton, a PhD candidate at the University of Calgary

General Background Information on the Project (*optional):

Geological mapping and sample collection was carried out by two people in remote camps as a part of Brett Hamilton's PhD research.

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):	Streams (unnamed)	
Water Quantity:	10	Quantity Allowable Domestic (cu.m)
	1.5	Actual Quantity Used Domestic (cu.m)
	0	Quantity Allowable Drilling (cu.m)
	0	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)
☐ N/A

Revisions to the Spill Contingency Plan

SCP submitted and approved - no revision required or proposed

Additional Details:

☐

Revisions to the Abandonment and Restoration Plan

No Abandonment and Restoration (AR) Plan submitted or approved

Additional Details:

☐

Two sumps, each less than 1 sq m, were filled in and top soil was replaced as best as possible. Four toilet waste pits, each less than 0.5 sq m, were filled in and top soil was replaced as best as possible. No man-made material was left at the camps.

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;

Details attached

Additional Details:

☐

See attached sheet. A total of 1.44 cu m of water was utilized for camp/household use during the course of the project.


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

Details attached

Additional Details:


☐

Two greywater sumps (~1 sq m each) and four toilet waste pits (~0.5 sq m) were dug 35 - 40m from the nearest water bodies.

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

□

Date Submitted:**Submitted/Prepared by:****Contact Information:****Tel:** **Fax:** **email:**

GPS Coordinates for water sources utilized

Source Description	Latitude			Longitude		
	° Deg	' Min	" Sec	° Deg	' Min	" Sec
0.6m wide stream, Mischeif Glacier valley	66	26	2	62	17	50
1m wide stream, near Clephane Bay	66	5	39	63	7	29

GPS Locations of areas of waste disposal

Location Description (type)	Latitude			Longitude		
	° Deg	' Min	" Sec	° Deg	' Min	" Sec
Toilet waste pit	66	26	2	62	17	50
Greywater sump	66	26	2	62	17	50
Toilet waste pit	66	5	39	63	7	29
Greywater sump	66	5	39	63	7	29

3BC-MCP1112**Water extraction monitoring log**

Brett Hamilton

Date	Location	Lat	Long	Water extracted (cu m)
12-07-03	Mischief Glacier valley camp	N66 26' 02"	W62 17' 50"	0.04
12-07-04	Mischief Glacier valley camp	N66 26' 02"	W62 17' 50"	0.04
12-07-05	Mischief Glacier valley camp	N66 26' 02"	W62 17' 50"	0.04
12-07-06	Mischief Glacier valley camp	N66 26' 02"	W62 17' 50"	0.04
12-07-07	Mischief Glacier valley camp	N66 26' 02"	W62 17' 50"	0.04
12-07-08	Mischief Glacier valley camp	N66 26' 02"	W62 17' 50"	0.04
12-07-09	Mischief Glacier valley camp	N66 26' 02"	W62 17' 50"	0.04
12-07-10	Mischief Glacier valley camp	N66 26' 02"	W62 17' 50"	0.04
12-07-11	Mischief Glacier valley camp	N66 26' 02"	W62 17' 50"	0.04
12-07-12	Mischief Glacier valley camp	N66 26' 02"	W62 17' 50"	0.04
12-07-13	Mischief Glacier valley camp	N66 26' 02"	W62 17' 50"	0.04
12-07-14	Mischief Glacier valley camp	N66 26' 02"	W62 17' 50"	0.04
12-07-15	Mischief Glacier valley camp	N66 26' 02"	W62 17' 50"	0.04
12-07-16	Camp near Clephane Bay	N66 05' 39"	W63 07' 29"	0.04
12-07-17	Camp near Clephane Bay	N66 05' 39"	W63 07' 29"	0.04
12-07-18	Camp near Clephane Bay	N66 05' 39"	W63 07' 29"	0.04
12-07-19	Camp near Clephane Bay	N66 05' 39"	W63 07' 29"	0.04
12-07-20	Camp near Clephane Bay	N66 05' 39"	W63 07' 29"	0.04
12-07-21	Camp near Clephane Bay	N66 05' 39"	W63 07' 29"	0.04
12-07-22	Camp near Clephane Bay	N66 05' 39"	W63 07' 29"	0.04
12-07-23	Camp near Clephane Bay	N66 05' 39"	W63 07' 29"	0.04
12-07-24	Camp near Clephane Bay	N66 05' 39"	W63 07' 29"	0.04
12-07-25	Camp near Clephane Bay	N66 05' 39"	W63 07' 29"	0.04
12-07-26	Camp near Clephane Bay	N66 05' 39"	W63 07' 29"	0.04
12-07-27	Camp near Clephane Bay	N66 05' 39"	W63 07' 29"	0.04
12-07-28	Camp near Clephane Bay	N66 05' 39"	W63 07' 29"	0.04
12-07-29	Camp near Clephane Bay	N66 05' 39"	W63 07' 29"	0.04
12-07-30	Camp near Clephane Bay	N66 05' 39"	W63 07' 29"	0.04
12-07-31	Camp near Clephane Bay	N66 05' 39"	W63 07' 29"	0.04
12-08-01	Camp near Clephane Bay	N66 05' 39"	W63 07' 29"	0.04
12-08-02	Camp near Clephane Bay	N66 05' 39"	W63 07' 29"	0.04
12-08-03	Camp near Clephane Bay	N66 05' 39"	W63 07' 29"	0.04
12-08-04	Camp near Clephane Bay	N66 05' 39"	W63 07' 29"	0.04
12-08-05	Camp near Clephane Bay	N66 05' 39"	W63 07' 29"	0.04
12-08-06	Camp near Clephane Bay	N66 05' 39"	W63 07' 29"	0.04
12-08-07	Camp near Clephane Bay	N66 05' 39"	W63 07' 29"	0.04
Total				1.44

* One 10 gallon (0.04 cu m) pail of water was extracted per day, or less.