



Coastal Surveys of Common Eider Nesting Islands Along the South Baffin Coast

Application Type:	New
Project Type:	Research
Application Date:	3/9/2017 10:09:18 AM
Period of Operation:	From 2017-07-01 to 2017-07-31
Proposed Authorization:	From 2017-07-01 to 2017-07-31
Project proponent:	Grant Gilchrist Environment and Climate Change Canada 1125 Colonel By Drive Ottawa Ontario K1S 5B6 Canada Tel: (613) 998-7364. fax:

Non-technical project proposal description

[illegible]

Personnel

Personnel on site: 11
Days on site: 21
Total Person days: 231
Period of operation: from 2017-07-01 to 2017-07-31
Proposed term of operation: from 2017-07-01 to 2017-07-31

ACTIVITIES

Project Activities

Location	Activity Type	Land Status	Site History	Site Archaeological or Palentological Value	Proximity to the nearest communities and any protected areas
Survey and Camping Area	Researching	Inuit Owned Surface Lands	We have been conducting coastal surveys in the area since 2010.	We do not know of any archaeological sites on the islands that we plan to study. If we discover any archaeological sites we will report them.	The nearest community is Cape Dorset. The coastal surveys occur within approximately 100km of Cape Dorset.

Community Involvement and Regional Benefits

Community	Name	Organization	Date Contacted
Cape Dorset	Annie Suvega	Aiviq Hunters and Trappers Organization	2017-01-17
Cape Dorset		Aiviq Hunters and Trappers Organization	2015-02-04
Cape Dorset	Annie Suvega	Aiviq Hunters and Trappers Organization	2016-02-08
Cape Dorset		Aiviq Hunters and Trappers Organization	2016-03-23

AUTHORIZATIONS

Project Locations

South Baffin

Project Authorization

Authorizing Agency	Authorization Description	Current Status	Date Issued / Applied	Expiry Date
Qikiqtani Inuit Association	Certificate of Exemption: Q15X007	Active	2015-05-08	2017-08-31
Nunavut Water Board	Approval for the Use of Waters and Deposit of Waste without a Licence. Approval for 2016 field season (NWB File # 8WLC-ASR1617) is still active. However, we need to re-apply for the 2017 field season.	Active	2016-04-02	2017-04-01
Canadian Wildlife Service	Scientific Permit to take salvage or disturb migratory birds (NUN-SCI-16-02)	Active	2016-04-13	2018-09-01
Other	Nunavut Planning Commission - Application 148512 (renewal of application 148225)	Applied, Decision Pending		
Government of Nunavut, Department of Environment	Nunavut Wildlife Reseach Permit. This permit was approved and issued for previous field seasons (for example, permit WL 2016-042 in 2016). We will re-apply for this permit again for the 2017 field season.	Not Yet Applied		

MATERIAL USE

Equipment to be used (including drills, pumps, aircraft, vehicles etc.)

Equipment Type	Quantity	Size - Dimensions	Proposed Use
Boats	2 or 3	20-25ft	Transport crew to campsites and eider colonies to conduct surveys
Generator	2	1000 Watts	Electricity

Detail Fuel and Hazardous Material Use

Fuel / Material	Type	Number of Containers	Container Capacity	Total Amount	Units	Proposed Use
Gasoline	fuel	10	20	200	Liters	Fuel for boat motors/jerry cans
Other	fuel	5	4	20	Liters	White gas: fuel for camp stove

Project Water Consumption

Daily Amount (m3)	Proposed Water Retrieval Methods	Proposed Water Retrieval Location
1	Sea water/Streams	N 64.37411°, W 75.75430°

WASTE

Waste Management

Project Activity	Type of Waste	Projected Amount Generated	Method of Disposal	Additional Treatment Procedures
Researching	Greywater	<0.1 cubic meters per day	Sump	Sump located > 100m away from water source and buried before leaving camp
Researching	Non-Combustible wastes	< 1 cubic meter	Transported to Cape Dorset	Disposed of at municipal dump
Researching	Sewage (human waste)	<0.05 cubic meters per day	Sump	Sump located > 100m away from water source and buried before leaving camp

Environmental Impacts

We attempt to minimize the impact our project has on the land, water, and wildlife. We store food and gear appropriately to avoid contaminating the surrounding areas. We transport all garbage and solid waste back to the municipal landfill in Cape Dorset. We dispose of grey water in sumps that are back-filled to match the contours of the landscape. We have an Emergency Spill Kit and Spill Contingency Plan, including a Nunavut Spill Report Form and MSDS for the fuels used at each camp. Fuel is stored in a sump to localize any potential spills. We will camp at established campsites recommended by our local guides to reduce our impacts on the land. We will not be camping for long at each campsite, so the effects of long-term site occupancy will be avoided.

Description of Existing Environment: Physical Environment

Description of Existing Environment: Biological Environment

Description of Existing Environment: Socioeconomic Environment

Identification of Impacts and Proposed Mitigation Measures

Cumulative Effects

IMPACTS

TABLE 1 - IDENTIFICATION OF ENVIRONMENTAL IMPACTS

[illegible]

(P = Positive, N = Negative and non-mitigatable, M = Negative and mitigatable, U = Unknown)

Project Map

