

For office use only	
Date Received	Permit No.

CANADIAN WILDLIFE SERVICE PERMIT APPLICATION

NOTE TO RESEARCHERS

Without exception, all research within the NWT and Nunavut must be licensed. This includes work in indigenous knowledge as well as in physical, social, and biological sciences. For information on licensing for your project within the NWT, please refer to the Aurora Research Institute's Web site at <http://www.nwtresearch.com>. For Nunavut, visit the Nunavut Research Institute Web site at <http://www.nri.nu.ca>.

For Scientific Permits: Prior to issuing a Scientific Permit to Take, Salvage or Disturb Migratory Birds, CWS requires a copy of either an NWT or Nunavut Wildlife Research Permit; or an Aurora Research Permit/Nunavut Research Permit. Include a copy of either permit with this application or forward a copy to CWS upon receipt of it, or your CWS permit will not be issued.

Nunavut: In Nunavut your project will have to undergo screening by the Nunavut Impact Review Board. One of their requirements is that you obtain a conformity report from the Nunavut Planning Commission. Please ensure that you have done so.

To be completed by all applicants:

<input checked="" type="checkbox"/> New application
<input type="checkbox"/> Amendment/extension of existing permit
Existing permit no.

Territory:
NWT
<input checked="" type="checkbox"/> Nunavut

Anticipated project start date:	August 23, 2015
Anticipated project end date:	September 06, 2015

Type of permit applied for:
<input checked="" type="checkbox"/> Bird Sanctuary permit
<input checked="" type="checkbox"/> National Wildlife Area entry permit
<input type="checkbox"/> Scientific permit to take salvage or disturb migratory birds

Period of permit requested:
<input checked="" type="checkbox"/> 1 year
<input type="checkbox"/> 2 year
<input type="checkbox"/> 3 year

Please indicate by checkbox if your project is receiving federal government funding:
<input checked="" type="checkbox"/> No
<input type="checkbox"/> Polar Continental Shelf Project
<input type="checkbox"/> Yes/Other (please list)

Please indicate by checkbox if your project requires approvals/permits by any of the following regulators:	
<input type="checkbox"/> DFO	<input type="checkbox"/> NRCAN
<input type="checkbox"/> INAC	<input checked="" type="checkbox"/> Parks Canada
<input type="checkbox"/> NWT or Nunavut Water Board	
<input type="checkbox"/> NEB	

1. CONTACT INFORMATION

Applicant name and mailing address Bill Davis		Fax 416 504 4900
		Phone 416 645 8253
Field supervisor Bill Davis	E-mail address bill.davis@quarkexpeditions.com	Phone 416 645 8253

Total number of personnel covered by application:

26 staff /
300
passengers

2. SUMMARY PROJECT INFORMATION**Project title:**

Quark Canadian Arctic 2015

Project objective: (concise statement of purpose and goals)

For over 23 years, Quark Expeditions® has been the leading provider of polar adventure travel. With its diverse fleet of specially equipped vessels and seasoned expedition leaders, they offer travelers unparalleled access to the most remote regions on earth: the Arctic and Antarctica.

Quark's voyages will venture through the heart of Nunavut to experience the Canadian Arctic at its best. Aboard small, ice-strengthened ships, these expeditions will show passengers not only the natural beauty and wildlife of the region, but also teach them about the rich history and culture that still exists today. There is a large educational component of these voyages that are designed to operate an environmentally, socially and economically form of sustainable tourism.

Project description: (non-technical summary; 300 words or less; describe purpose, nature and occasion of all activities; include the anticipated intensity of vehicle use)

The Quark Canadian Arctic 2015 Expedition use 2 ice strengthened ships and carry a maximum of 117 passengers and a minimum of 13 staff per ship (5 of them are either ornithologists or marine biologists), including a doctor. This gives us a staff to passenger ratio of 1:8. Many of our staff have 20-years, or more, experience working in the Canadian arctic and other sensitive wildlife areas.

Quark Expeditions is a member of the Association of Arctic Expedition Cruise Operators (AECO) <http://www.aeco.no> and the International Association of Antarctica Tour Operators (IAATO) <http://www.iaato.org>. Both organisations have strict guidelines and advocate for safe and environmentally, socially and economically responsible and sustainable tourism.

In addition to the ice-worthiness of our ships, seasoned captains, expedition teams and crew, Quark's safety standards, training and equipment protocols are of utmost importance and in many cases set the standard for the industry. Quark is the only expedition cruise company awarded British Standard BS 8848.

Our own internal accreditation training programs cover Zodiac driving, navigation, VHF radio operation, operating in polar bear country and managing and handling lethal (firearms) and non-lethal deterrents to protect against dangerous animals.



All Zodiacs will be equipped with emergency/safety kits and will be paired with another Zodiac. At least 1 of the paired Zodiacs will have a gun bearer. However, nobody will go ashore if a bear is seen.

When cruising bird cliffs, all Zodiac drivers will follow AECO guidelines, CWS Guidelines for Seabird Viewing by Cruise Ships and CWS Guidelines for Visiting Seabird Colonies in Canada.

To prepare passengers for landings, printed AECO Guidelines are mailed to the passengers before leaving home. We review these general guidelines on ship before our first landing. In addition, prior to a particular landing or Zodiac cruise we always have two briefings, one on ship and one on shore or in the Zodiacs to explain the limits of the area and the guidelines for visiting a particular area (e.g. being quiet around bird cliffs).

If marine mammals are encountered by the ship or by Zodiac, we'll follow the Marine Wildlife Watching Guidelines (Whales & Dolphins, Seals and Seabirds) For Vessel & Zodiac Operations. Quark is an American company so we follow and are aware of the US Marine Mammal Protection act. Additionally, we are aware of and follow the guideline document; NOAA Whale Watching and Viewing Other Marine Mammals in Alaska.

NOTE: A full project description should accompany this application.

Activities related to project proposal: (check as many as apply)

- | | | |
|---|---|--|
| <input type="checkbox"/> Scientific research | <input type="checkbox"/> Ground surveys | <input type="checkbox"/> Storage of fuel |
| <input type="checkbox"/> Tourism, non-commercial | <input type="checkbox"/> Aerial surveys | <input type="checkbox"/> Camp construction |
| <input checked="" type="checkbox"/> Tourism, commercial | <input type="checkbox"/> Winter road | <input type="checkbox"/> Use of firearms |
| <input checked="" type="checkbox"/> Use of boats | <input type="checkbox"/> Commercial harvest | <input type="checkbox"/> Use of explosives |
| <input type="checkbox"/> Use of aircraft | <input checked="" type="checkbox"/> Cruise ship | <input type="checkbox"/> Seismic exploration |
| <input type="checkbox"/> Use of off-road vehicles | <input type="checkbox"/> Drilling activities | <input type="checkbox"/> Mining activities |
| <input type="checkbox"/> Other (please specify): | | |

Are you applying to kill, salvage or otherwise interfere with migratory birds (e.g. take blood, transmitter implant, etc.)?

- ☐ Yes ☒ No

If yes, provide details, including specie(s) of bird, number and method. Indicate whether the approval of an animal care committee has been received and include the name of the committee.

N/A

Do you plan to carry firearms?

- ☒ Yes ☐ No

If yes, please describe number, type and purpose of firearms.

We will carry firearms as a lethal deterrent against dangerous animals. However, the guides will also carry several types of non-lethal deterrents. Additionally, Quark has an internal accreditation training program for (i) operating in opolar bear country and (ii) the use and handling of lethal and non-lethal deterrents.

The vessel will carry 7 x Remington bolt action rifles firing 30.06 calibre ammunition.

3. PROJECT LOCATION

Geographic place names and coordinates: (be as specific as possible; enter multiple coordinates for activities occurring over large area(s))

Location	Geographic Coordinates
Queen Maud Gulf Bird Sanctuary	67 04 N / 101 44 W
Cape Hay, <i>Bylot Island MBS</i>	73 45 N / 80 22 W
Prince Leopold Island	73 58 N / 89 57 W
Cobourg Island	75 57 N / 79 / 18 W
Isabella Bay & <i>Ningingania NWA</i>	69 35 N / 66 23 W; <i>69'38"N / 67'18" W</i>

NOTE: A map document delineating activity centres and travel corridors, etc. is required and should accompany this application. Please submit shapefiles if available.

Status of land upon which project will occur:

- ☒ Federal crown
☒ Inuit-owned or other private
☐ Territorial (commissioner's land)

4. OPERATIONAL AND ENVIRONMENTAL CONSIDERATIONS

Provide a summary of potential environmental impacts and proposed restoration plans and activities: (describe the effects of the proposed activities on land, water, flora, fauna; attach separate pages as necessary)

Please see summary of potential impacts in the Project Description (attached)

List of equipment and fuel to be used: (include aircraft, vehicles, boats, generators, large tent structures, various types of fuel, etc; indicate proposed containment strategies for all fuels; attach separate pages as necessary)

Equipment / Fuel	Size / Amount	Proposed use / Containment
Ships fuel (MGO)	~300 MT	Steel tanks built into the hull
Zodiacs	40 lts/Zodiac x 20 Zodiacs	Approved 20 lt plastic tanks

NOTE: Please submit a copy of a spill contingency plan, if available, with this application.

Waste disposal: (describe any wastes that may be produced, e.g. garbage, grey water, sewage, hazardous waste, and proposed disposal methods; attach separate pages as necessary)

Type of waste	Approx. amount produced	Proposed disposal method
Sewage	Approx 30cbm/week	In accordance MARPOL Annex IV
Grey water	Approx 360 cbm	Water is treated but not released unless in approved areas and accordance to MARPOL
Non-combustible waste	Approx 16 cbm/week	In accordance with MARPOL IV



PLEASE NOTE:

- You should consider species at risk legally listed on the Species at Risk Act (i.e. on Schedule 1) and those under consideration for legal listing, such as those designated by the Committee on the Status of Endangered Wildlife in Canada (COSEWIC).
- Refer to species status reports and other information on the Species at Risk Registry at www.sararegistry.gc.ca for information on specific species.

5. POTENTIAL ADVERSE EFFECTS TO SPECIES AT RISK

Identify Species at Risk found within your proposed project area.

Roseate Terns, Marbled Murrelets, Ivory Gulls, Piping Plovers, Red Knots, and eastern populations of Harlequin Ducks and Barrow's Goldeneye. Potentially beluga whale and narwhal. Polar bears in the water.

List any potential adverse effects that your project may have on the species, its habitat and/or its residence. All direct, indirect and cumulative effects should be considered.

Please see summary of potential impacts in the Project Description (attached)

If potential adverse effects are identified, list mitigation to avoid or lessen those effects.

Please see summary of potential impacts in the Project Description (attached)

List monitoring measures to determine the effectiveness of mitigation and/or identify where further mitigation is required.



6. CONSULTATION

List local community representatives who have been contacted about your proposed activities: (include community groups, local businesses, schools, etc.; state how they are participating in your activity, if at all (e.g. providing advice, supplying goods, hired to assist you, etc.))

1. Representative name:

Name of group represented: Pond Inlet Hunters and Trappers

Address / phone / fax: 867-899-8856 htopond@qiniq.com

How contacted and date: By Phone March 30

Participating? ☐ Yes ☐ No

If yes, how?

2. Representative name:

Name of group represented: Qikiqtarjuak Hunters and Trappers

Address / phone / fax: (867) 927-8836

How contacted and date: By Phone March 30

Participating? ☐ Yes ☐ No

If yes, how?

3. Representative name:

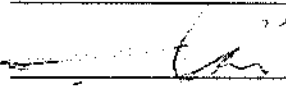
Name of group represented: Ekaluktutiak Hunters & Trappers Organization

Address / phone / fax: (867) 983-2426

How contacted and date: By Phone March 30

Participating? ☐ Yes ☐ No

If yes, how?

Applicant	<u>Bill Davis</u>	
<i>(Print Full Name)</i>		
Signature	<u></u>	Date <u>March 31, 2015</u>
