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:

- ☐ New application
- ☒ Amendment/extension of existing permit

  Existing permit no. NUN-SCI-05-05
  NUN-MBS-05-07

Type of permit applied for:

- ☒ Bird Sanctuary permit
- ☐ National Wildlife Area entry permit
- ☒ Scientific permit to take salvage or disturb migratory birds

Territory:

- ☐ NWT
- ☒ Nunavut

Period of permit requested:

- ☐ 1 year
- ☐ 2 year
- ☒ 3 year

Anticipated project start date: July 13, 2009

Anticipated project end date: August 15, 2013

Please indicate by checkbox if your project is receiving federal government funding:

- ☐ No
- ☒ Polar Continental Shelf Project
- ☒ Yes/Other (please list)

Please indicate by checkbox if your project requires approvals/permits by any of the following regulators:

- ☐ DFO
- ☐ NRCAN
- ☐ INAC
- ☐ Parks Canada
- ☒ NWT or Nunavut Water Board
- ☐ NEB

1. CONTACT INFORMATION

Applicant name and mailing address Jim Leafloor Canadian Wildlife Service 150-123 main Street Winnipeg, MB R3C 4W2		**Fax** 204-983-5248 **Phone** 204-983-5258
Field supervisor Dale Caswell	**E-mail address** dale.caswell@ec.gc.ca	**Phone** 204-983-5260

Total number of personnel covered by application: 22

2. SUMMARY PROJECT INFORMATION

Project title:

Arctic Goose banding

Project objective: (concise statement of purpose and goals)

Objective is to capture and band representative samples of arctic-nesting geese to provide information about their movement patterns, survival, harvest rates, and population size.

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

A sample of Arctic-nesting geese (6 different species) is captured and marked with individually numbered leg bands. These bands are reported by hunters or other people who encounter the bands at a later date, usually after the death of the bird. Information is obtained about migratory movements of the geese, annual survival rates, harvest rates, and even population size. Banding occurs while geese are flightless, usually in July or August each year. It involves locating flocks of geese with a helicopter, setting up a portable net to capture the birds, and then banding birds. Information collected at the time of banding includes species, age, sex, location, and date of capture. After all birds are banded, the flock is released all together so that individual pairs and family groups are not disrupted. Banding does not occur when it is raining, or when poor weather conditions would put the health of the birds at risk. Banding at each location occurs over approximately a 10-day period each year.

NOTE: *A full project description should accompany this application.*

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

☒ Scientific research	☒ Ground surveys	☒ Storage of fuel
☐ Tourism, non-commercial	☒ Aerial surveys	☐ Camp construction
☐ Tourism, commercial	☐ Winter road	☐ Use of firearms
☐ Use of boats	☐ Commercial harvest	☐ Use of explosives
☒ Use of aircraft	☐ Cruise ship	☐ Seismic exploration
☐ Use of off-road vehicles	☐ Drilling activities	☐ Mining activities

☐ 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.

We occasionally collect samples from captured geese for other projects, e.g., genetic sampling (blood), or disease sampling for avian influenza, etc. Such sampling would be done under a separate scientific permit. Any birds that die as a result of banding operations could be salvaged for such study purposes.

Do you plan to carry firearms?

☒ Yes ☐ No

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

shotguns - 1 per crew for protection against bears

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
Perry River, Queen Maud Gulf, NU	67º 41' 40.8" N 102º 11' 27.2" W
Karrak Lake, Queen Maud Gulf, NU	N67 14.145 W100 15.415
Coral Harbor, Southampton Island, NU	64°08′13″N 083°09′51″W
Nikko Island, Baffin Island, NU	N 66 35.54/W 71 30.92
McConnell River, NU	see attached map

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)

All materials transported to field camps will be flown out, with the exception of burnable garbage, grey water, and sewer.

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
Bell 206 Long Ranger helicopter; Jet A or B fuel	20 drums per site	sealed drums for use by helicopter
generators and gasoline	1-2 per site at Perry River, Karrak Lake, Nikko Island	power source at field camp for lights, computers, etc
cabins or tent frames	1 at Perry River; 5 at Karrak lake; 5 at Nikko Island	kitchen and sleeping quarters for field crews

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
Garbage	50 lbs per site	town landfill at Coral Harbor; burning in suitable incinerator at field camps; non-burnables flown out to landfills
grey water	40 L per site/day	disposal in shallow dug pit
sewage	40L per field camp	burial in shallow pit

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.

Possibly Ross's gulls, though we will be there after they have completed nesting (consulted with Mark Mallory, CWS-Iqaluit, 26 March 2009)

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.

No adverse effects are likely (consulted with Mark Mallory, CWS-Iqaluit, 26 March 2009)

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

See above.

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:	Paul Laserich
Name of group represented:	Adlair Aviation
Address / phone / fax:	Cambridge Bay, NU, 867-983-2569
How contacted and date:	ongoing, e-mail, telephone
Participating?	☒ Yes ☐ No
If yes, how?	
Logistical support and transportation to QMG MBS	

2. Representative name:	Johnny Alogut
Name of group represented:	
Address / phone / fax:	Coral Harbor, NU 867-925-9023
How contacted and date:	ongoing
Participating?	☒ Yes ☐ No
If yes, how?	
hired as field technical assistant	

3. Representative name:	Rick Armstrong
Name of group represented:	Nunavut Research Institute
Address / phone / fax:	ph 867-979-6734; FAX 867-979-4681
How contacted and date:	ongoing
Participating?	☒ Yes ☐ No
If yes, how?	

logistical support; equipment storage

Applicant Jim Leafloor
(Print Full Name)
Signature **Date** March 27, 2009