

# **NUNAVUT WILDLIFE RESEARCH PERMIT** **APPLICATION**



**APPLICANT:** Dr. Ray Alisauskas

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**SPONSOR(S):** Environment Canada

**FUNDING SOURCES:** Polar Continental Shelf Project, Environment Canada, Central  
& Mississippi Flyway Councils

**ADDITIONAL LICENCES REQUIRED:** Aboriginal Affairs and Northern Development  
Canada Land Use Permit (N2008N0028), Nunavut Water Board (3BC-KAR0812),  
Environment Canada Permit to Conduct Activities in a Migratory Bird Sanctuary and to  
Conduct Scientific Research on Migratory Birds (permit numbers to be determined),  
Canadian Council on Animal Care. Some permit numbers may change as licenses are  
issued prior to 2014 field work.

**PROJECT TITLE AND RATIONALE:** Arctic Ecosystem Research in Queen Maud Gulf  
Bird Sanctuary (small mammals)

**TIME PERIOD:** 15 May to 20 August 2014

**LOCATION:** Karrak Lake, Nunavut (67°14'N, 100°15'W)

**SPECIES:** Collared and brown lemmings, red-backed voles

**PROJECT LEADERS:** Ray Alisauskas

**PROJECT PERSONNEL:** Dana Kellett

**OBJECTIVES: (Key expected results & Management implications)**

Determine how small mammal population dynamics interact with that of arctic fox and waterfowl (please see attached Progress Report).

**METHODS: (i.e. Details of capture, handling, and disposition – be SPECIFIC)**

Field personnel are housed at Karrak Lake Research Station (est. 1991), and will travel to and from Cambridge Bay by twin otter and/or helicopter, depending on the time of season. Personnel will mainly travel by foot but also use boats (canoes, small outboard motors) and occasionally helicopter to travel within the study area. Water use and wastes are managed and disposed of according to permits issued by Aboriginal Affairs and Northern Development Canada Land Use Permit (N2008N0028) and Nunavut Water Board (3BC-KAR0812).

Abundance of small mammals will be monitored at 3 trap-lines during mid June to late July. Trap-lines will consist of 25 snap-traps baited with a mixture of peanut-butter and oats. The trap-lines will each run for 10 consecutive nights. Carcasses will be incinerated.

Field personnel use crack cartridges and pepper spray to deter bears. In addition, shotguns are present at the Research Station, and are frequently used as a noise deterrent.

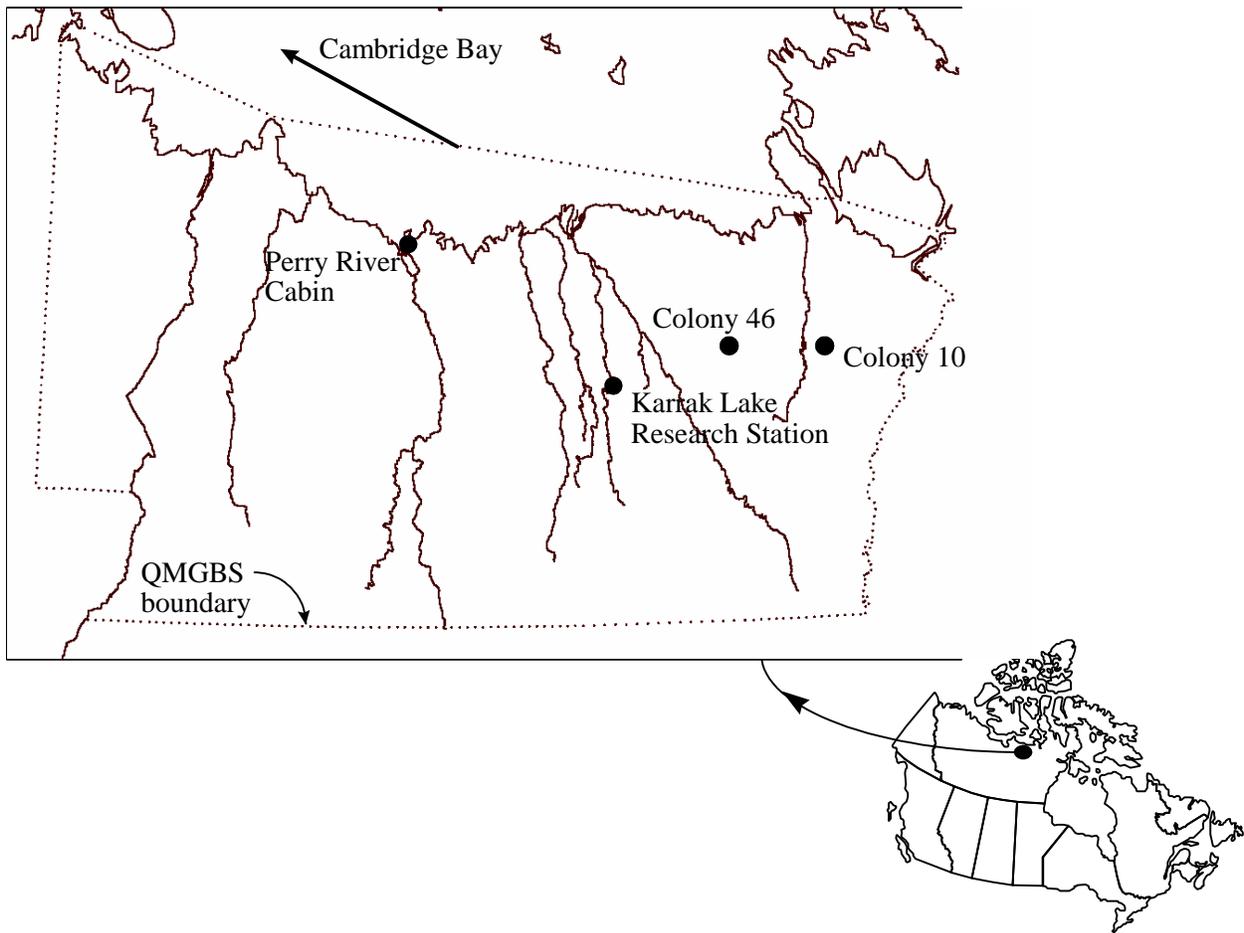


Figure 1. Queen Maud Gulf Bird Sanctuary (QMGBS). Cambridge Bay (Victoria Island) is about 280 km north-west of Karrak Lake.

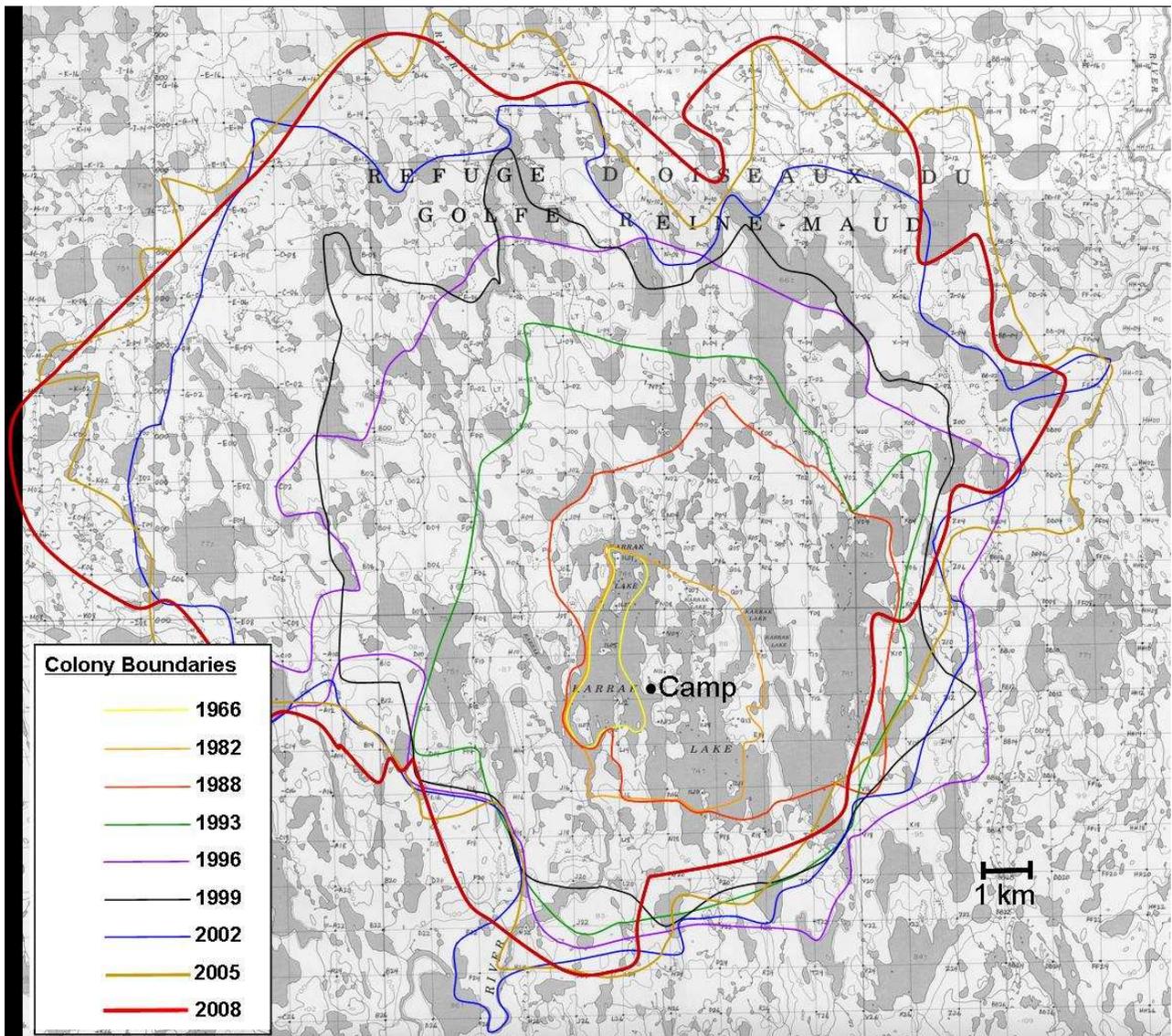


Figure 2. Karrak Lake lesser snow and Ross's goose colony, showing colony boundaries.

**COMMUNITY CONSULTATION PLAN:** Nunavut Impact Review Board screening, slide presentation in Ikaluktutiak, reports, 3 posters disseminated.

**PROPOSED USE OF LOCAL KNOWLEDGE:** Frequent interaction and communication with residents of Cambridge Bay (see also next item).

**OPPORTUNITIES FOR LOCAL PARTICIPATION:** One person (likely from Cambridge Bay or Taloyoak) will be hired as an assistant during 2014.

**TERMS & CONDITIONS:**

This application is submitted and will be evaluated prior to issuance of a Research Permit or Collection Licence, as issued by the Department of Environment – Wildlife Management Division, Nunavut Territory. All submitted applications become the property of the Department of Environment– Wildlife Division and

may not be returned to the applicant.

The application review process requires that copies be distributed to a number of reviewers. The contents of this application form may be subject to access under the Freedom of Information and Protection of Privacy Act.

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Principal Researcher's signature

\_\_\_\_\_  
Date

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Additional Investigator's signature

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Date

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Additional Investigator's signature

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Date

**RABIES ADVISORY:**

Rabies is naturally occurring disease that is endemic to wildlife, particularly canids, in Nunavut. Rabies can infect human beings, and if left untreated can cause death. All persons who may be exposed to rabies are strongly encouraged to obtain and keep updated a pre-exposure vaccination.

All applications for Wildlife Research Permits should be submitted to:

Wildlife Research Section  
Department of Environment  
Box 209, Igloolik, NU, XoA oLo

Tel: (867) 934-2178  
Fax: (867) 934-2190  
Email: [wildlife\\_research@gov.nu.ca](mailto:wildlife_research@gov.nu.ca)