

THIS PERMIT IS ONLY VALID CONDITIONAL UPON APPROVAL BY THE
NUNAVUT IMPACT REVIEW BOARD

NUN- MBS- 08- 04
NUN-NWA-08-03

**PERMIT TO CONDUCT ACTIVITIES IN A MIGRATORY
BIRD SANCTUARY and a NATIONAL WILDLIFE AREA**

**Nirjutiqavvik National Wildlife Area
Bylot Island Migratory Bird Sanctuary**

**Permittee: Daniela Herget
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Germany**

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Permit valid from August 1 – September 1, 2008, 2009, 2010

**Permit issued under Sections 9 and 10 of the *Migratory Bird Sanctuary
Regulations* and Section 4 of the *Wildlife Area Regulations***

The Permittee is authorized to:

**Enter Bylot Island Migratory Bird Sanctuary and Nirjutiqavvik National
Wildlife Area for tourism purposes - ship and zodiac travel in MBS waters**

PERMIT CONDITIONS ARE ATTACHED

Issuing officer

Date

Permittee

l. h. h. *Aug 1/08*

Permit Conditions:

1. This permit is not valid unless signed by the permittee (holder) or authorized representative, in the space designated as “signature of holder”.
2. All personnel and activities carried out under the authority or on behalf of the permittee fall under the conditions of this permit.
3. **Conditions set by the Nunavut Impact Review Board (attached) are considered to be a part of the conditions of this permit.**
4. Regardless of the expiry date of the permit, the permittee will be responsible for the activity necessary and the cost of that activity for the clean up or restoration of habitat as deemed necessary by Environment Canada.
5. The permittee or his/her delegate must carry a copy of this permit with them at all times. He/she must also ensure that all persons engaged in the activity understand and abide by permit conditions.
6. The permittee is responsible for obtaining whatever other permits are necessary to undertake the activity, and must obtain them prior to beginning the activity.
7. Issuance of this permit does not exempt the permittee from other relevant Canadian laws and regulations.
8. Additional restrictions may be imposed by an Environment Canada Enforcement Officer if that Officer deems it necessary.
9. The activity must be undertaken in such a way as to minimize disturbance to wildlife and wildlife habitat. Please refer to the attached cruise ship and seabird colony viewing guidelines.
10. At no time shall persons under this permit feed wildlife, or attempt to attract wildlife into an area of human activity.
11. The presence of a wild animal that may potentially create a hazard to people or property shall be reported immediately to the nearest Renewable Resources Officer or RCMP officer.
12. Firearms shall only be used for the purposes of protection from wildlife.
13. Garbage and debris must be removed from the Sanctuary.



GUIDELINES FOR SEABIRD COLONY VIEWING BY CRUISE SHIPS

- helicopters can cause **severe disturbance** at seabird colonies and **should not** be used near nesting cliffs;
- cruise ships should anchor well away from the breeding cliffs and the cliffs should be approached by zodiac only;
- zodiac landings are discouraged;
- zodiac visitation of bird cliffs should be limited to the morning and early afternoon (Murre chicks fledge in August, primarily in the late afternoon and evening. Disturbance during peak fledging can cause premature fledging and consequently, high chick mortality.);
- noise should be kept to a minimum during visits to the colony. Do not blow ship horns or discharge firearms in an attempt to cause a mass flight of adults from the colony. This causes heavy losses of eggs and chicks.

The Canadian Wildlife Service is interested in wildlife sightings made by nature-oriented tour groups. If you keep a record of bird sightings and where the sightings were made, we would appreciate receiving a copy of your list.

For more information, please contact: Mark Mallory
Canadian Wildlife Service
P.O. Box 1870
Iqaluit, Nunavut
X0A 0H0
ph: 867-975-4638
fx: 867-975-4645
email: mark.mallory@ec.gc.ca

Canadian Wildlife Service – Environment Canada

Guidelines for Visiting Seabird Colonies in Canada

Introduction

These guidelines are designed to increase awareness of the sensitivities of Canada's breeding seabirds to disturbance, and of the regulations in place to protect the birds and their habitats. They provide guidance on appropriate behaviour to follow when at or near colonies of nesting seabirds.

Seabird Life

In general, seabirds have long life spans and low reproductive rates, with many species only laying one egg per year. They often nest on islands, on cliff-faces or in other inaccessible locations to avoid predators, and several species may nest together in mixed colonies. Some seabirds nest on ledges or on open rock, while others nest under boulders, in crevices or in burrows they have excavated in the soil. Colonies in Canada range in size from a few pairs of nesting terns or gulls to over a million pairs of Leach's Storm-petrels.

Although most species spend much of the year at sea, spring and summer are especially important to seabirds at their colonies. This is the time they court, mate, lay and incubate their eggs, and raise and feed their young. Nesting seasons along Canada's southern coasts run from March through September, and extend through the ice-free period in Canada's Arctic.

Colonial nesting allows efficient use of limited space. It also enables seabirds to put up a common defense by mobbing against ground and aerial predators such as foxes, raccoons, gulls and eagles. However, it can also have serious disadvantages. Colonies are vulnerable to habitat loss and destruction, and to the impacts of catastrophic events such as storms, disease, and oil spills. Colonial birds are particularly vulnerable to the effects of human disturbance.

Humans and Seabirds

For hundreds of years, seabirds were exploited for meat, eggs, and feathers, and many nesting colonies were disrupted by human disturbance and development. The Great Auk, a flightless colonial-nesting seabird once present by the hundreds of thousands in the North Atlantic, was harvested to extinction by the early 1800s.

Concern over severe declines in the numbers of seabirds nesting in coastal regions of Canada's eastern provinces contributed to the passage of the *Migratory Birds Convention Act* in 1917. Changing economies and societal values have led to the abandonment of many coastal islands, allowing seabirds to re-colonize many former nesting sites.

Seabirds nesting along Canada's coasts are now protected by the *Migratory Birds Convention Act*, or by corresponding provincial or territorial legislation, which make it illegal to disturb or harass birds. Most protection extends to the adult birds as well as to

their nests, eggs and young. Many colonies are afforded additional protection as Migratory Bird Sanctuaries, National Wildlife Areas or National Park Reserves under federal jurisdiction or as Ecological Reserves, Wildlife Habitat Areas, Wildlife Management Areas or Wildlife Conservation Areas under provincial or territorial legislation. These designations may add specific regulations that go beyond the guidelines presented here, and most protected colonies are completely closed to visitation during the spring and summer nesting periods.

Under Canada's new *Species at Risk Act*, several species of coastal birds are classified as being at risk of extinction. Roseate Terns, Marbled Murrelets, Ivory Gulls, Piping Plovers, and eastern populations of Harlequin Ducks and Barrow's Goldeneye, are among the species currently listed as being at risk in Canada. These birds, their residences, and their critical habitat are given additional protection by this act.

In addition to these designations, there are numerous provincial, territorial, regional and municipal acts, policies and guidelines which may regulate visitors' activities. Before approaching coastal island or mainland colonies, prospective visitors should contact relevant agencies and local landowners to determine what restrictions may apply, and to obtain any necessary permits.

Impacts of Disturbance

Seabird nesting colonies throughout North America have seen increased visitation by private boaters, picnickers, tourists, and fishers. Many people are not aware that approaching colonies, landing boats, letting pets run loose, walking across nesting areas, or staying too long in one spot can affect these birds. Even approaching too closely by water can put seabirds at risk.

Disturbance can cause seabirds to abandon their nests or young, or to use valuable energy reserves for defense, instead of incubating eggs and feeding young. The presence of humans in close proximity to nests may prevent parent birds from returning to protect and feed their young, and expose eggs or chicks to predation, and to the lethal effects of heat, cold and rain. As many species of colonial seabirds nest in hidden crevices, burrows, vegetation or on top of exposed rocky ledges, a careless step in a colony can destroy a bird's eggs.

When parent birds are flushed, many seabird chicks wander from their nest site and may fall to the water, be taken by predators, or pecked to death by neighbouring birds. Some species are particularly sensitive at certain stages of their breeding cycle. For example, murre chicks fledge in July and August, primarily in the late afternoon and evening, when disturbance can cause premature fledging and high chick mortality.

How you can help

In general, because human disturbance of nesting seabirds puts their eggs and chicks at such risk, people should stay away from all active breeding colonies between March and September.

Human activities in waters around nesting colonies, such as fishing and boating, can also put seabirds at risk. These activities should be kept far enough away to avoid

flushing birds from their nests, or causing them to dive at you in an attempt to drive you away from the colony. Colonial nesting seabirds often share rocky islands and ledges with other wildlife, such as seals or sealions. You know you are too close if these marine mammals become restless and plunge into the water. In all cases where you may be disturbing seabirds, move away as quickly and quietly as possible.

Canadian Wildlife Service Guidelines for Visiting Seabird Colonies

Take special care to minimize your impact when at or near seabird colonies, as human presence can cause serious disturbance to nesting birds. Remember, it is illegal to disturb or kill migratory birds, or to destroy their nests or eggs, and offenses are punishable by fines or jail sentences. By respecting the birds and adhering to these guidelines, visitors may be able to gain a unique wildlife experience near a seabird colony, without impacting the birds themselves.

In general, the Canadian Wildlife Service recommends that people stay off seabird islands and colonies, and avoid any disturbance of migratory birds, during the breeding season. However, in cases where visitation is permitted, these guidelines should be followed.

On land:

- Determine if the colony is a protected site (see contacts listed below)
- Obtain permission from land owners, and secure any necessary permits from management agencies in advance (see contact information provided).
- Only spend brief periods at a colony, and do not visit on cold, wet or windy days or very hot days. Visit colonies at mid-day early in the season when weather is cool, and in mid-morning and late afternoon on warm summer days. Avoid colonies at dusk and dawn, when seabirds are either feeding after guarding their nests all night, or are settling down for the night. Do not visit colonies of nocturnal seabirds at night.
- Obey all signs at the colony, and stay on paths and behind barriers. Do not enter areas where nests, eggs, chicks or dive-bombing parents are present.
- Be extremely careful where you walk, looking down to avoid crushing camouflaged eggs or chicks, and return the same way that you entered the colony.
- Avoid loud noises or sudden movements, and speak only in a low voice.
- Take everything you bring back with you, as seabirds can mistake trash for food.
- Do not build fires, cut trees or collect vegetation on seabird islands.
- Do not bring pets anywhere near seabird colonies.

On the water:

- Maintain a minimum distance of at least 100 metres from all areas of the island or colony occupied by seabirds, unless otherwise authorized by permit.
- Always travel at steady speeds when close to seabird colonies, moving parallel to the shore, rather than approaching the colony directly.
- Avoid any sharp or loud noises, do not blow horns or whistles, and maintain constant engine noise levels.
- Do not pursue seabirds swimming on the water surface, and avoid large concentrations of seabirds on the water.
- Where possible, only use certified tour boats or accredited guides.
- Anchor large vessels, such as cruise ships, at least 500 m from the nesting islands and only approach in smaller vessels.

- Avoid colonies that are spread over clusters of islands, as these areas tend to present hazards to navigation, and a single visit will disturb many birds in a confined area.
- Never dump oil or waste overboard, as even small amounts of oil can kill birds and other marine life, and habitats may take years to recover.

From the air:

- Helicopters and other aircraft should keep well away from nesting cliffs or islands, as aircraft can cause severe disturbance to seabird colonies, and there is a serious risk of collision with flying birds.
- Aircraft should keep at least 300 metres above occupied colonies, and at least 500 m to the side of colonies.

Further information:

More information on seabirds and their habitats, guidelines, restrictions and permit-requirements for visiting seabird colonies, and information on ways to see seabirds up close without putting them at risk, please contact the following agencies:

The Canadian Wildlife Service:

British Columbia

Yukon

Northwest Territories

Québec

Service canadien de la faune

1141 route de l'Église

Ste-Foy QC G1V 4H5

Tel:

Fax:

<http://www.qc.ec.gc.ca/faune/faune/html/contact.html>

Wildlife areas protected under federal jurisdiction in Québec:

http://www.qc.ec.gc.ca/faune/faune/html/protected_areas.html

New Brunswick

Canadian Wildlife Service

P.O. Box 6227, 17 Waterfowl Lane

Sackville NB E4L 1G6

Tel: 506-364-5044

Fax: 506-364-5062

Nova Scotia

Newfoundland and Labrador

Canadian Wildlife Service

6 Bruce Street

Mount Pearl NL A1N 4T3
Tel: 709-772-5585
Fax: 709-772-5097

Nunavut

Seabird Biologist
Canadian Wildlife Service
P.O. Box 1714
Iqaluit, NU X0A 0H0
Tel: 867-975-4637
Fax: 867-975-4645

Provincial and territorial contacts:

British Columbia

Québec

<http://www.fapaq.gouv.qc.ca/fr/Documentation/renseignements.htm>
Wildlife areas protected under provincial jurisdiction in Québec:
<http://www.fapaq.gouv.qc.ca/fr/territo/terrfaun.htm>

New Brunswick

Prince Edward Island

Nova Scotia

Newfoundland and Labrador

Parks and Natural Areas Division
Department of Tourism, Culture and Recreation
<http://www.gov.nf.ca/parks&reserves/ecolres.htm>

Nunavut

Appendix 1. Seabirds That Commonly Breed in Canada

Most members of the Alcid or Auk family lay only one egg on an open ledge or in a burrow or crevice although guillemots often lay 2-3. All species are very susceptible to effects of disturbance, and their colonies should not be approached closely.

- Thick-billed Murre (Arctic, Labrador, Québec, Newfoundland, British Columbia)
- Common Murre (Newfoundland, Labrador, Québec, British Columbia)
- Razorbill (Atlantic provinces, Québec)
- Atlantic Puffin (Atlantic provinces, Québec)
- Tufted Puffin (British Columbia)
- Horned Puffin (British Columbia)
- Rhinoceros Auklet (British Columbia)
- Black Guillemot (change to appropriate Eastern and Arctic)
- Pigeon Guillemot (British Columbia)
- Ancient Murrelet (British Columbia)

Cormorants and gannets are large seabirds that nest on low islands, often in tress (cormorants), or on rocky ledges or cliffs (gannets). Some cormorant or gannet colonies may be approached by boat or visited by land in British Columbia or Québec.

- Double-crested Cormorant (Atlantic provinces, Québec British Columbia)
- Pelagic Cormorant (British Columbia)
- Great Cormorant (Atlantic provinces, Québec)
- Northern Gannet (Newfoundland, Québec)

Gulls are robust birds that nest in mixed colonies scattered along our coasts. They may prey on eggs or chicks of other seabirds if a colony is disturbed.

- Herring Gull (throughout)
- Great Black-backed Gull (Atlantic provinces, Québec)
- Ring-billed Gull (Atlantic provinces, Québec)
- Black-legged Kittiwake (throughout + British Columbia)
- Glaucous Gull (Arctic, Labrador)
- Glaucous-winged Gull (British Columbia)
- Bonaparte's Gull (British Columbia)
- Iceland Gull (Arctic)

Terns are small relatives of the gulls that are very sensitive to disturbance. As they will dive-bomb intruders, and may even abandon a colony completely in response to human activity, their colonies should not be visited.

- Common Tern (Atlantic provinces, Québec)
- Arctic Tern (throughout + British Columbia)
- Roseate Tern (*Endangered* – a few protected sites in Québec, Nova Scotia and New Brunswick)

The tube-nosed seabirds spend most of their lives far out at sea. Fulmars nest on ledges in northern colonies. Storm-petrels nest in narrow burrows on wooded islands and although their presence may be hard to detect, burrows can be easily destroyed by walking in the colony.

- Northern Fulmar (Arctic, Labrador, British Columbia)
- Leach's Storm-petrel (Atlantic provinces, Québec, British Columbia)
- Fork-tailed Storm-Petrel (British Columbia)

Columbia)

Several other seabird species nest less frequently in coastal areas of Canada, including Laughing Gull, Black-headed Gull, Mew Gull, Ivory Gull, Caspian Tern and Manx Shearwater. Most of these species are also very sensitive to disturbance.