



Chedabucto Silica Project

Delineation Program

Tłıchǫ Region, NWT

(NTS Sheet 85J)

62°15'50" N to 62°29'35" N

-115°13'26" W to 115°29'22" W

APPENDIX III

Wildlife, Archaeological & Environmental Awareness Plan

Effective December 1, 2014

Introduction

This Wildlife, Archaeological & Environmental Awareness Plan has been prepared by Aurora Geosciences Ltd. (Aurora) for Husky Oil Operations Limited's (Husky) exploration activities associated with the Chedabucto Project.

General

As prime contractor, Aurora requires all employees and contractors to read and adhere to the following:

1. Comply with the Terms and Conditions of the relevant licenses and permits issued by government agencies that allow our work to be completed, and all applicable environmental legislation and regulations.
2. The Project Manager is responsible for reviewing all relevant Terms and Conditions and ensuring ongoing compliance.
3. Everyone on site should be familiar with the relevant Terms and Conditions.
4. A copy of this document should be on display in the common area of the tent camp/core shack, and copies made available to anyone in camp upon request.
5. Training and Educational material should be provided where necessary.
6. All significant environmental risks should be identified and strategies adopted to manage them using industry best practices.
7. Where possible, environmentally friendly options, agents, actions or products should be utilized.
8. Absolutely no garbage is to be left in the field at any time. All garbage and cigarette butts should be collected in the field and disposed of properly at the tent camp/core shack. Please do not litter. Take only pictures. Leave only footprints.
9. All garbage will be returned to Yellowknife for further sorting into recyclables and non-recyclables.
10. Garbage receptacles are provided in camp for your use. All cigarette butts should be placed in the appropriate container and not thrown on the ground. Do not litter.

For additional information please see the Project Manager for a copy of the Waste Management Plan.

Wildlife Interaction

1. Approaching and/or feeding wildlife is strictly prohibited.
2. Harassing wildlife is strictly prohibited.
3. Wildlife observations are to be logged on the sheet template provided below.
4. Firearms may only be carried for safety reasons.
5. All firearms in camp must be:
 - a. Appropriately licenced.
 - b. Accompanied by appropriate owner's documents.
 - c. Reported to the Crew Chief or Project Manager if there is a discharge for any reason.
6. Hunting is strictly forbidden to ALL employees and contractors while conducting business on behalf of Husky with no exceptions.
7. Any crucial nesting, denning, migratory or river crossing habitat must be avoided by low-flying aircraft. If a den or nesting colony is encountered, the location should be reported to the relevant authorities. The area must subsequently be avoided.
8. Activities in proximity to the following den or nesting habitats must adhere to the appropriate buffer distances:
 - a. Peregrine Falcon & Short-Eared Owl = 1.5 km
 - b. Wolves = 800 m buffer (between May 1 to July 15)
 - c. Wolverine = 800 m buffer (between Feb. 1 to July 15)
 - d. Barrens Grizzly = 1 km (between Sept. 30 to March 30)
9. Eggs and nests are not to be disturbed by field activities. Nest locations are to be recorded and reported to the relevant authorities.
10. Helicopters must not land in any area where wildlife is present except in documented emergency situations.
11. All food and waste should be properly handled and stored in camp and while in the field to prevent wildlife attraction. Poor food storage and waste disposal are the leading cause of human/wildlife interaction.
12. Waste containers are to be kept clean and sanitary.
13. Nuisance wildlife is to be reported to the GNWT wildlife biologist.
14. All activities must cease when caribou are present and may resume once they have moved on.

Please take the time to read the GNWT – Environmental Natural Resources “Safety in Grizzly & Black Bear Country” brochure (following page) and which is also available from the Project Manager.

Wildlife Emergency Contact Information

Wildlife Emergency	24 Hour GNWT	(867) 873-7181
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GWNT – Environmental Natural Resources

“Safety in Grizzly & Black Bear Country” brochure

If You Encounter a Bear...



- Remember the 3 S's... Stop, Stand still, Stay calm.
- Ensure others know that a bear is in the vicinity.
- Do not run.
- Leave the bear an open avenue of escape.

...at a DISTANCE

- Alert the bear to your presence – speak in low tones, slowly wave your arms.
- Quietly walk back the way you came or make a wide detour.
- Keep an eye on the bear.
- Stay downwind.
- Consider using warning shots, noisemakers.

...that is NEARBY

- Do not shout or make sudden movements.
- Avoid direct eye contact.
- Back away slowly.
- Climb at least four metres up a tree to escape a grizzly. (Ineffective against black bears).

Deterrents...



- Include... 12 gauge cracker shells, air horns, flares, and chemical repellents such as pepper spray.
- Are not completely effective against every bear in every situation.
- Should not make you less careful to avoid bear conflicts.
- Are potentially dangerous – use with extreme caution.

If a Bear Charges...



- Many charge are bluffs – the bear will often veer to the side at the last minute.
- Use a chemical repellent only at close range.

- If you have a firearm and contact appears unavoidable, shoot to kill.
- Play dead only during a grizzly bear attack (lie on your side, curl into a ball with your legs tight to your chest, hands clasped behind your neck).

If you must shoot a bear in self-defense, report the kill to a Renewable Resource Officer as soon as possible. If an Officer is not immediately available, skin the bear and preserve the hide. The hide must be turned in to an Officer. You may not keep any part of a bear killed in self-defense.

For Further Information...



For further information, contact any Environment and Natural Resources Office:

Area Code (867)

Aklavik	978-2248
Deline.....	589-3421
Fort Good Hope.....	598-2271
Fort Liard.....	770-4311
Fort McPherson.....	952-2200
Fort Providence	669-3002
Fort Resolution.....	394-4596
Fort Simpson	695-7433
Fort Smith.....	872-6400
Hay River.....	875-5554
Inuvik.....	678-6670
Lutsel K'e.....	370-3141
Norman Wells.....	587-3500
Behchokò.....	392-6511
Tsiigehtchic.....	953-3605
Tulita	588-3441
Tuktoyaktuk.....	977-2350
Ulukhaktok	396-4505
Yellowknife.....	873-7181



Northwest Territories Environment and Natural Resources

May 2009

Safety in Grizzly and Black Bear Country



Black Bear

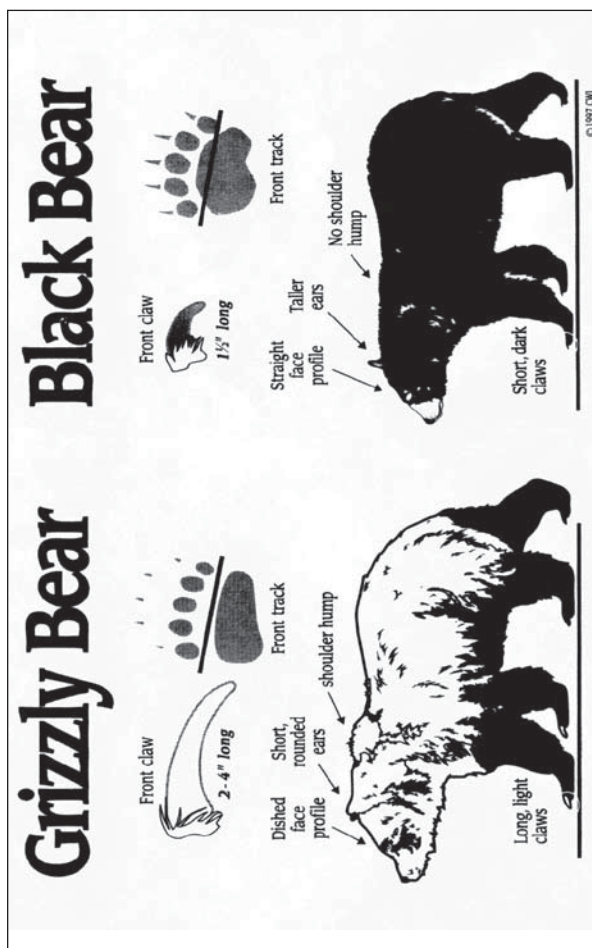
Welcome to Bear Country



Grizzly and black bears can be found throughout the Northwest Territories. They are an important part of the northern ecosystem.

Northerners are committed to maintaining healthy populations of all wildlife, including grizzly and black bears. Treat them with respect. Remember that you are in a bear's territory.

What's the Difference Between...?



While You are Travelling...



- Always be alert.
- Travel in groups.
- Travel only during daylight.
- Avoid carrying strong smelling foods.
- Make noise where visibility is limited.
- Avoid bear feeding areas such as flood plains, berry patches and areas rich in horsetails and other grasses.
- Avoid bear travel areas like shorelines, trails along the water or near berry patches.
- Watch for fresh bear droppings and tracks.
- Carry bear deterrents.

If You are Camping...



- Avoid camping in areas frequented by bears.
- Always sleep inside a shelter (tent, cabin, etc.).
- Don't keep food in tents or areas of camp other than the cook tent.
- Keep a clean camp - wash all dishes and utensils after every meal.
- Avoid cooking greasy foods.
- Burn all garbage every day or take it to a bearproof disposal site. Burying garbage does not eliminate odors.
- If you're going to leave the campsite:
 - bearproof your camp - store food and other attractants (dish detergent, toothpaste, etc.) in an inaccessible place.
 - let someone know where you are going.
 - take a partner and bear deterrents with you.



Grizzly Bears

If You are Fishing...



- Be cautious near streams or lakes - bears frequent these areas.
- Clean fish away from camp and store them underwater.
- Burn fish guts away from camp.
- Store fish-cleaning knives away from camp.
- Don't wear clothes that smell like fish to bed.

If You are Hunting...



- Avoid hunting late in the day and returning to camp in the dark.
- Stay alert when dressing game or handling meat and only do so away from camp.
- Avoid shooting more than your party can pack out in a single load.
- If you must leave meat in the field, leave it near a visible landmark with a clear approach route and cover it with a tarp to discourage scavengers.
- Don't keep bloodied clothes in your tent.

Water Awareness

1. Work in and around water bodies is to be conducted in a manner that minimizes the impact on aquatic life and habitat.
2. Proper testing of ice thickness is mandatory prior to the movement of any heavy equipment. In cases where this activity is related to drilling, the contractor is responsible for making this determination.
 - a. 7 cm (3") or less = UNSAFE
 - b. 10 cm (4") = Walking, Cross-country skiing
 - c. 12 cm (6") = 1 Snow Machine
 - d. 20 to 30 cm (8"-12") = 1 Small Car or Pickup
 - e. 30 to 38 cm (12"-15") = 1 Medium Pickup or Van
3. No waste is to enter any water body at any time.
4. All sumps and fuel caches must be located at minimum 100 m from the Ordinary High-Water Mark of any water body unless approved by the appropriate regulatory authority.
5. Water intakes should be designed, equipped and operated in such a manner that prevents substrate disturbance or fish mortality.
6. Equipment operating on ice or near water should be free of external fluid leaks, grease, oil and mud. All activities especially maintenance and refueling should be controlled in such a manner as to prevent entry into any water body of petroleum products, slash, debris or other deleterious substances.
7. Please refer to the LUP Terms and Conditions for further information.

Archaeology

1. Absolutely no work is to occur in areas of known archaeological sites. The Project Manager is aware of these sites and will not request that you work in proximity to them.
2. If anyone discovers a possible archaeological site, they are to stop all activity in the area, record the site location and report the finding immediately. The guidelines below should be followed by the Project Manager and information provided to the Prince of Wales Northern Heritage Centre in Yellowknife.
3. The handling and/or removal of artifacts from any archaeological site is strictly prohibited.

Discovery Guidelines

What to do if an archaeological site is found or suspected during the course of your work:

1. DO NOT disturb or collect any of the artifacts. They are to be left in place as they were found.
2. DO take 2 or more representative photos of the site with an appropriate scale marker.

3. DO describe the nature and extent of the site and any artifacts noted.
4. DO take a GPS reading of the site's location and record the datum used.
5. DO mark the location of the site on a 1:50,000 scale topographic base map.
6. DO record the date of discovery.

This information is to be sent to:

Territorial Archaeologist
Prince of Wales Northern Heritage Centre
Yellowknife, NT
Ph: (867) 873-7688
<http://www.pwnhc.ca>