The Unexploded Explosive Ordnance (UXO) Hazard At Grey Goose Island

Location

Grev Goose Island is located 65 kilometres northwest of Chisasibi, Quebec, in the northeastern sector of James Bay, Canada. Grey Goose Island is part of Nunavut.

Topography, Vegetation and Wildlife Harvesting

Grey Goose Island is predominately low-lying and flat with a mixture of rock and sand dominating the landscape. With no trees on the island, sparse grasses and other hardy plants form the basis of vegetation.

The island is frequented by seals, caribou, polar bears and several species of migratory birds. The Cree First Nation uses the island on an infrequent basis for harvesting of these wildlife resources.



At the height of the Cold War, Canada granted the United States use of a section of James Bay for the purpose of

bombing and gunnery training. From 1958 to 1965, Grey Goose Island, which is at the center of this section of James Bay, was used as the target for high altitude photo reconnassaince practice using the RB-52C Stratofortress.

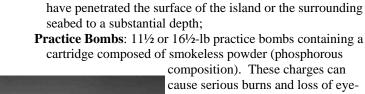
150-lb M120 photoflash bombs, dropped from high altitude, were set to explode at medium altitude. These bombs produced a very bright light for a fraction of a second, which allowed for photography of ground based targets. In addition, the bombers may have dropped practice bombs and fired small caliber machine gun rounds in the area.

In 1965, the range ceased to be used. In the interests of public safety, it has since been retained by Canada's Department of National Defence (DND) because of the possibility that unexploded explosive ordnance (UXO) such as photoflash bombs and other munitions may still remain in the area.

Types of Munitions Used

known to have included:

Although records are incomplete, munitions used in the area are



Bombs: 150-lb M120 photoflash bombs. If these heavy

bombs failed to explode in the air as intended, they may

Other Ammunition: 20 mm and .50 calibre air-to-air rounds. This ammunition was fired by aircraft during air-to-air combat practice.

The Risk

The risk to the public is considered to be significant: low in frequency, but high in potential severity. The risks associated with unexploded photoflash bombs are serious burns and blindness due to photoflash powder. Unexploded photoflash bombs pose a considerable risk to public safety.





Approaches to Mitigation

Limited information exists on the extent to which Grey Goose Island was used for bombing practice and no information has yet been obtained concerning the amount of UXO that may remain on the Island. Steps being taken to mitigate risks to the public are as follows:

- DND is conducting a community visit to nearby Chisasibi in order to gather anecdotal information from elders and perform a site reconnaissance of Grey Goose Island;
- A community meeting is planned for 2006 to increase public awareness of UXO; and
- Once historical research is completed, a decision will be made regarding the need for future site investigation work using geophysical survey technology.



