

## Cape Sheridan Archaeology Project (CSAP) Spill Contingency Plan

### **Introduction**

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#### **Distribution List:**

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### **Purpose and Scope**

This document describes the response to a spill of any size for CSAP campsite at Cape Sheridan, Nunavut (see attached map for precise location). It outlines the individual responsibilities and actions of camp residents in the event of a spill and describes actions to be taken to a) prevent spills b) respond in the case of a spill of varying sizes.

### **Company Environmental Policy**

Bowdoin College is committed to sustainability and environmental stewardship. A summary of this policy can be read at <http://www.bowdoin.edu/sustainability/statements/mission-statement.shtml> and additional information as available here: <http://www.bowdoin.edu/sustainability/index.shtml>

### **Project Description**

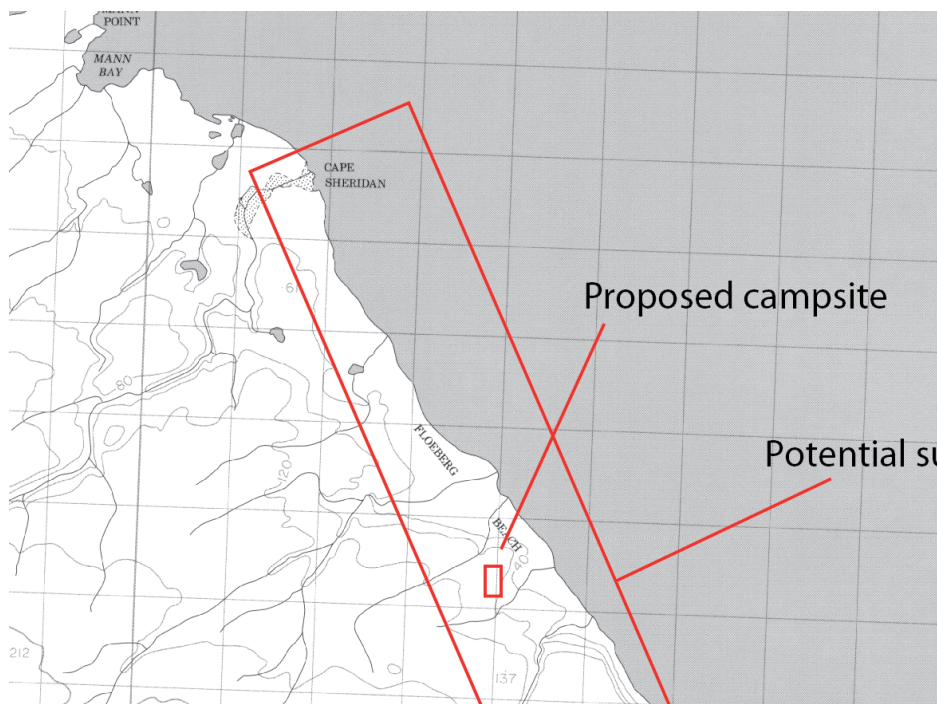
CSAP will establish a 4-person tent camp at Cape Sheridan as a base for conducting non-invasive archaeological survey and mapping, and possible limited test excavations, for two weeks in the summer of 2011. Permits (archaeological research and Water license) are pending. The camp and all associated materials will be removed at the end of the project.

## Site Description

The camp will be located on a beach terrace south of the Sheridan River at approximately  $82^{\circ}26'N$   $61^{\circ}29'59''W$ . The precise location will be determined on arrival and will depend on local conditions. The team will arrive at the site via Twin Otter equipped with tundra tires. Team members will select a location a minimum of 50 m from the nearest water source and a maximum of 1km from the shore, on a flat, preferably gravel substrate with minimal vegetation.



Survey area



camp location

**Hazardous Materials on site**

A small quantity of camp stove fuel (~4 gallons) will be kept on site. The fuel will be stored in its original containers (1 gallon) in a cache protected from the elements by a tarp. Containers will be placed on an absorbent mat. Only one container will be in use at any time. All unused fuel will be returned to Resolute Bay at the end of the field season. Other potentially hazardous materials (cleaning products) will be present in small quantities, but these will be selected for their minimal impact on the environment. There will be no long-term storage of fuel on the site.

**Preventative Measures**

Fuel will be stored on an absorbent mat to catch any possible spills or splashes when filling stoves. Standard fuel filter/funnels will be used to transfer fuel from the cans to the stoves and all camp personnel will be instructed in appropriate techniques to prevent spills. A spill kit will be kept alongside the fuel cans and all personnel will be instructed in its use. The kit will include protective gear and absorbent materials sufficient for 200% of the fuel on site.

**Response.**

The quantities of fuel on site will be such that even a worst case spill (all 3 gallons) falls below the requirements for immediate reporting. Other spills will be tracked and documented and a NT-NU Spill Report form filled out. The use of an absorbent pad under the cans and where the stove tanks are refilled should prevent small spills from reaching the ground. Any spills that do reach the ground will be cleaned up immediately with absorbent pads. Contaminated soil (if any in this primary gravel beach) will be removed from the site and disposed of properly. Used absorbent mats will be burned in the burn barrel. No spills will take place on ice or water as there will be no use of fuel in such areas.

Spills will be documented (time, location, quantity, and response) and reported to the NWB no later than 30 days after the spill.

**Prepared:** April 14, 2011, by Genevieve LeMoine