

Cape Sheridan Archaeology Project (CSAP) Spill Contingency Plan

Introduction

Project Directors:

G. LeMoine and Susan Kaplan
The Peary-MacMillan Arctic Museum
Bowdoin College
9500 College Station Brunswick, ME 04011-8495
207-725-3304
glemoine@bowdoin.edu

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Distribution List:

Genevieve LeMoine, project co-director
Susan Kaplan project co-director
Other project members TBA

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 spills of varying sizes.

Company Environmental Policy

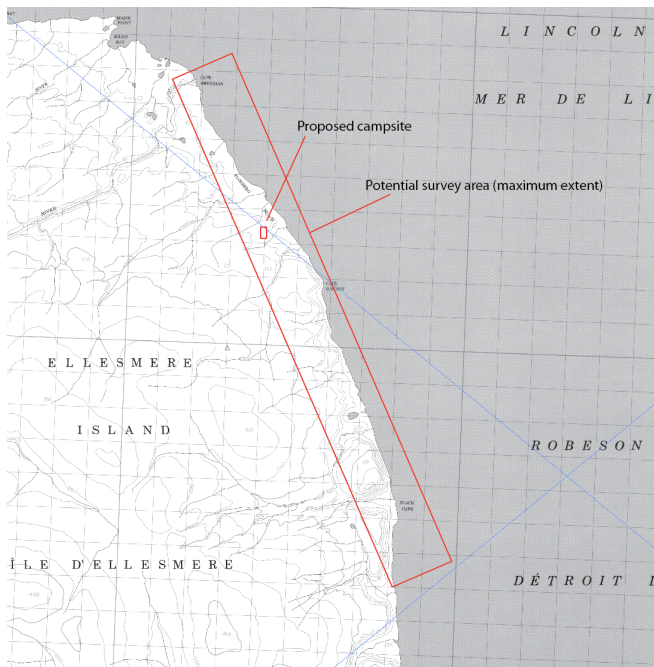
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Project Description

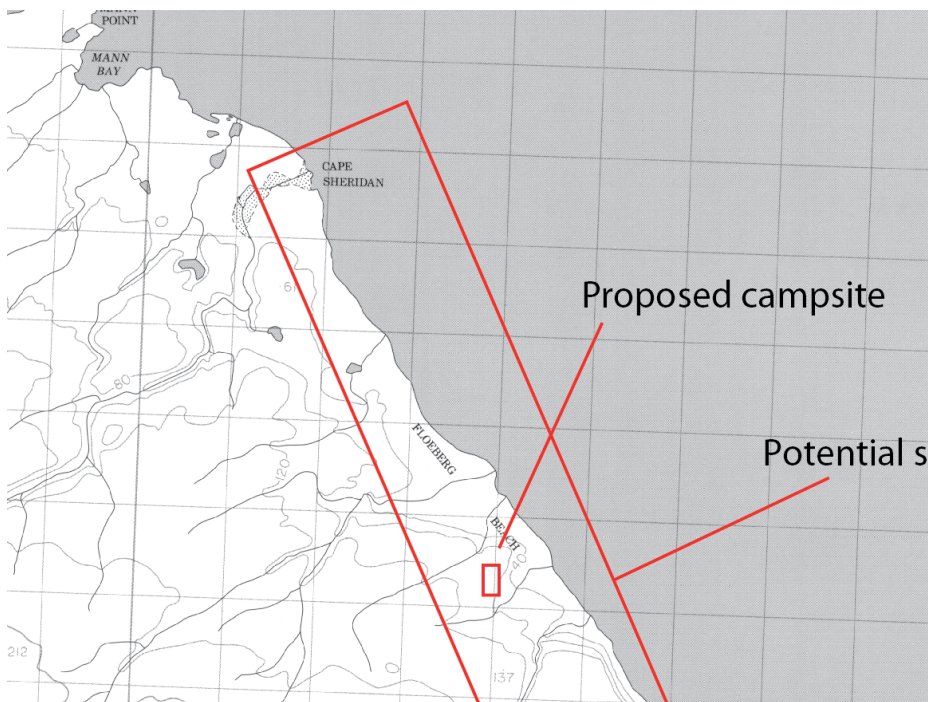
CSAP will establish a 4-person tent camp at Cape Sheridan as a base for conducting non-invasive archaeological survey and mapping, and possible limited test excavations, for two weeks in the summer of 2011. Permits (archaeological research and Water license) are pending. The camp and all associated materials 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. Spills will be documented (time, location, quantity, and response) on the forms and reported to the NWB no later than 30 days after the spill.

On site, spills will be reported immediately to either G. LeMoine or S. Kaplan, who will be responsible for filling out the spill report form and for overseeing the response. The use of an absorbent mat under stored fuel cans (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 on this primary gravel beach) will be removed from the site and disposed of properly. Used absorbent pads will be burned in the burn barrel or if this is deemed unsafe, bagged and returned to Resolute Bay for disposal following PCSP guidelines.

It is not possible for fuel to be spilled on either ice or water as there will be no use of fuel in such areas. Should such a spill occur, spills will be contained/absorbed with absorbent pads following the same procedures as for on land.

Training

All team members will be briefed on the location of stored fuel and the spill response kit on their arrival on site. They will also be instructed in proper stove-filling technique and the measures to be taken in the event of a spill as outlined above. Fuel handling responsibilities will be shared among the field staff (4 people), but Kaplan and LeMoine will have ultimate responsibility for training as well as response.

Contact Information:

NT-NU 24-hour Spill report line 867.920.8130 (phone) 867.873.9624 (fax)

INAC Manager of Field operations 867.975.4295(phone) 867.975.6445 (fax)

Dept. of Fisheries and Oceans 867.979.8000 (voice) 867.979.8039 (Fax)

GN-Department of Environment (Environmental Protection)

867.975.5900

Environment Canada 867.920-8130

QIA 1-800-667-2742

Prepared: April 14, 2011, by Genevieve LeMoine

Revised: April 26, 2011, by Genevieve LeMoine



Canada

NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

NT-NU 24-HOUR SPILL REPORT LINE

TEL: (867) 920-8130

FAX: (867) 873-6924

EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

A	REPORT DATE: MONTH – DAY – YEAR		REPORT TIME		<input type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT	REPORT NUMBER _____-_____	
	OCCURRENCE DATE: MONTH – DAY – YEAR		OCCURRENCE TIME				
C	LAND USE PERMIT NUMBER (IF APPLICABLE)			WATER LICENCE NUMBER (IF APPLICABLE)			
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION				REGION <input type="checkbox"/> NWT <input type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN		
E	LATITUDE DEGREES MINUTES SECONDS			LONGITUDE DEGREES MINUTES SECONDS			
F	RESPONSIBLE PARTY OR VESSEL NAME		RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION				
G	ANY CONTRACTOR INVOLVED		CONTRACTOR ADDRESS OR OFFICE LOCATION				
H	PRODUCT SPILLED		QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES		U.N. NUMBER		
	SECOND PRODUCT SPILLED (IF APPLICABLE)		QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES		U.N. NUMBER		
I	SPILL SOURCE		SPILL CAUSE		AREA OF CONTAMINATION IN SQUARE METRES		
J	FACTORS AFFECTING SPILL OR RECOVERY		DESCRIBE ANY ASSISTANCE REQUIRED		HAZARDS TO PERSONS, PROPERTY OR ENVIRONMENT		
K	ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS						
L	REPORTED TO SPILL LINE BY	POSITION	EMPLOYER	LOCATION CALLING FROM	TELEPHONE		
M	ANY ALTERNATE CONTACT	POSITION	EMPLOYER	ALTERNATE CONTACT LOCATION	ALTERNATE TELEPHONE		

REPORT LINE USE ONLY

N	RECEIVED AT SPILL LINE BY	POSITION	EMPLOYER	LOCATION CALLED	REPORT LINE NUMBER
		STATION OPERATOR		YELLOWKNIFE, NT	(867) 920-8130
LEAD AGENCY <input type="checkbox"/> EC <input type="checkbox"/> CCG <input type="checkbox"/> GNWT <input type="checkbox"/> GN <input type="checkbox"/> ILA <input type="checkbox"/> INAC <input type="checkbox"/> NEB <input type="checkbox"/> TC			SIGNIFICANCE <input type="checkbox"/> MINOR <input type="checkbox"/> MAJOR <input type="checkbox"/> UNKNOWN		FILE STATUS <input type="checkbox"/> OPEN <input type="checkbox"/> CLOSED
AGENCY		CONTACT NAME	CONTACT TIME	REMARKS	
LEAD AGENCY					
FIRST SUPPORT AGENCY					
SECOND SUPPORT AGENCY					
THIRD SUPPORT AGENCY					