

**MESOPROTEROZOIC BASINS OF THE EASTERN ARCTIC ISLANDS, NU**  
**Spill Contingency Plan (Prepared Feb. 11, 2011)**  
**E. Turner, Laurentian University**

**Project**

This project 3BC-MBP1010 will be licenced by renewal of an existing three-year science licence from NRI. The work is part of a longer-term research program that seeks to understand the geological evolution of the eastern Arctic Islands of Nunavut about 1.2 billion years ago. The field work involves simple dimensional measurements and collection of small rock samples using a geological hammer. All work will be done on foot on northern Baffin Island by a party of 2-3 people working from a base camp consisting of 2-3 two-person backpacking-type tents. The camp will be moved every 1-2 weeks by helicopter. We will use approximately 10 litres of water per day for cooking and drinking.

The only fuel or chemicals on site will be approximately 10 litres of naptha (camping fuel) for cooking. We will have a standard portable universal spill kit in our equipment cache.

**Responsible Person**

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**Purpose**

This document outlines the response we will take if our fuel (10 litres of naptha) should be spilled.

**Field work description**

The field research consists of rock descriptions, measurements of rock layering made using a special measuring rod, and collection of a suite of small rock samples using a geological hammer. There will be no motorised equipment, explosives, or chemicals other than our 10 litres of cooking fuel.

**Site description**

Work will be conducted on foot from a succession of three base camps (2-3 backpacking tents), each placed by helicopter near a small stream. The general area of this year's sites is between Arctic Bay and Pond Inlet, in two inland areas in NTS 48A and B (see appendix). The camps and grey water pit will be located 100 m from the stream. The water taken from the stream will be used only for cooking and drinking. This is a university-based science research project and all logistics will be under the auspices of PCSP.

## **Hazardous Materials on site**

The only hazardous materials in camp will be approximately 10 litres of naphtha (white gas) used for cooking.

The SPC universal portable spill kit SKA-PP we will have on site (stored with the 10 litres of naphtha) contains pads capable of absorbing 19 litres (almost twice the volume of fuel that will be present on site).

## **Spill response procedures**

Our 10 litres of naphtha are volatile liquids. Given the small quantity and rapid evaporation of naphtha, there is very little chance for a significant spill. The first person to encounter a spill will assess the spill situation, contact the party chief (Turner) or designate, and provide all information about the spill. The spilled fuel will be absorbed using pads from the spill kit. The absorbent capacity of the kit greatly exceeds the volume of fuel that will be on site, minimising any potential for leakage into water courses. The absorbent pads will then be allowed to evaporate (naphtha evaporates extremely quickly) and then burned.

## **Reporting**

In the event of a spill, we will fill out the spill report and report to the spill report line in Yellowknife (867-920-8130).

## **Contacts**

INAC Water Resources Inspector 867 975-4295  
Environment Canada Enforcement Officer 867 975-4644  
PCSP Base Manager 867 252-3872



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DEPARTMENT OF ENERGY, MINES AND RESOURCES  
INFORMATION CURRENT AS SHOWN IN DIAGRAM. PUBLISHED  
1988.

Information concerning beach, marsh and sediment zones  
is shown on the map. For further information, contact the  
Centre for Mapping, Ottawa.

Pour les renseignements concernant les zones de sédiments  
et les zones de bords, voir le diagramme à la page  
des fonds planifiés. Contactez le Centre des cartes, Ottawa.

ÉTABLI PAR LE CENTRE CANADIEN DE CARTOGRAPHIE  
MINISTÈRE DE L'ÉNERGIE, DES MINES ET DES RESSOURCES  
RÉVISÉ PAR LE CENTRE CANADIEN DE CARTOGRAPHIE  
MINISTÈRE DE L'ÉNERGIE, DES MINES ET DES RESSOURCES  
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**MILNE INLET**  
DISTRICT OF FRANKLIN DISTRICT DE FRANKLIN  
NORTHWEST TERRITORIES TERRITOIRES DU NORD-OUEST

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MINISTÈRE DE L'ÉNERGIE, DES MINES ET DES RESSOURCES.  
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Roads Routes  
CART TRACKS de terre  
Trail, caribou or portage sentier, caribou ou portage

Scale 1:250 000 Échelle  
Miles 0 5 10 15 20 25  
Kilomètres 0 5 10 15 20 25

CONVERSION SCALE FOR ELEVATIONS ÉCHELLE DE CONVERSION DES ALTITUDES  
Meters 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300 Meters  
Feet 100 200 300 400 500 600 700 800 900 1000 Feet

THE MAGNETIC COMPASS MAY BE INACCURATE IN THIS AREA.  
Régulièrement, les boussoles magnétiques peuvent être inexactes dans cette région.

LA BOUSSOLE DÉVIE PAR ÉCART MAGNÉTIQUE DANS CETTE RÉGION.  
En 1988, la déviation magnétique était de 10° 45' vers l'est et  
pour la même année 1987, elle était de 10° 45' vers l'est. La  
variation annuelle moyenne était de 12,7'.

CONTOUR INTERVAL 200 FEET  
Contour interval 200 feet  
North American Datum 1983  
Toussaint Mercator Projection

ÉCHELLE DES COURBES DES PENTES  
Contour interval 200 feet  
Contours in reference projection North American Datum 1983  
Projection: Contour de Mercator

Turner  
NU Water Board  
NTS 48A





location 1

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NATIONAL RESOURCES CANADA INFORMATION CLIENTS AS  
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**MOFFET INLET**  
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NORTHWEST TERRITORIES TERRITOIRES DU NORD-OUEST

ÉTABLI PAR LE CENTRE CANADIEN DE CARTOGRAPHIE  
RESSOURCES NATURELLES CANADA, INFORMATIONS À AJOUTER  
TOUTES QUANTITÉS DANS LE CADRE DES PUBLICATIONS 1985.  
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Roads Routes  
cart track - en terre  
trail, cut line or passage sentier, percée ou passage

Scale 1:250 000 Échelle  
Miles 0 10 20 30 Kilomètres 0 10 20 30

CONVERSION SCALE FOR ELEVATIONS ÉCHELLE DE CONVERSION DES ALTITUDES  
Meters 0 50 100 150 200 250 300 Feet 100 200 300 400 500 600 700 800 900 1000 Paces

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NTS 48B

