

Overview

- Detroit River Oil Spill Origin
- Shoreline Assessment
- Cleanup Methods & Criteria
- Other Response Facts
- Site Revisit
- ≻Summary



CANUSLAK

CCG/USCG International Joint Marine Contingency Plan for the Great Lakes

Capability of Government and Industry agencies to provide a coordinated and integrated response to international pollution incidents, which threaten to affect their respective countries





CANUSLAK





Exercise the plan \succ Included; CCG,

Canadian Coast Guard Garde côtière canadienne

CANUSLAK 2002

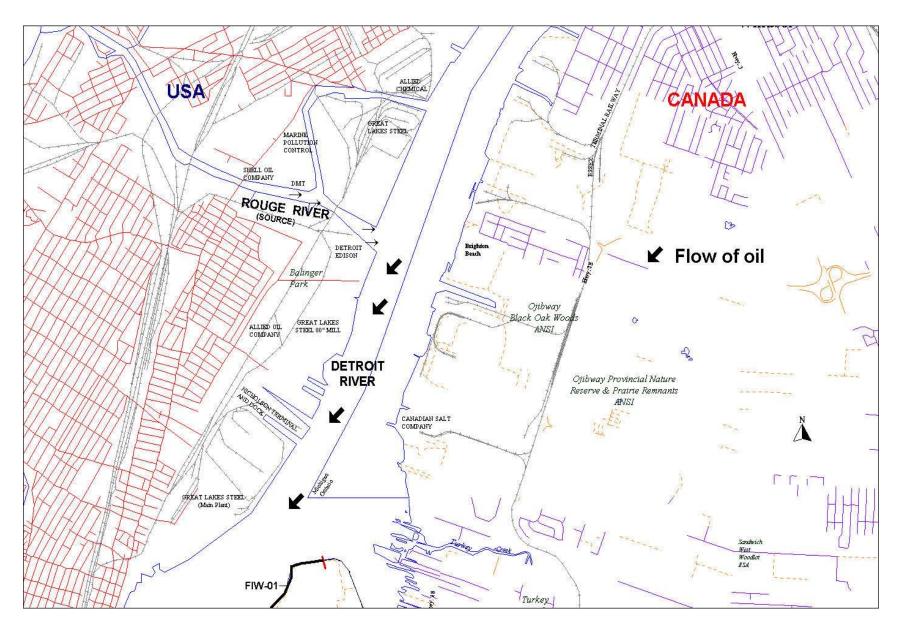
exercise.

reality...





Incident Origin



Shoreline Assessment Shoreline Survey



Over 41 km of total shoreline oiled

Aerial Observations

Video Documentation

Water Craft Observations

>Walked the Shoreline

Photo Documentation

Shoreline Assessment Shoreline Types





➢Rip Rap **≻**Pebble **Cobble Boulder ≻**Sand Fringing Wetland ➢ Mixed Shoreline Shoreline Uses

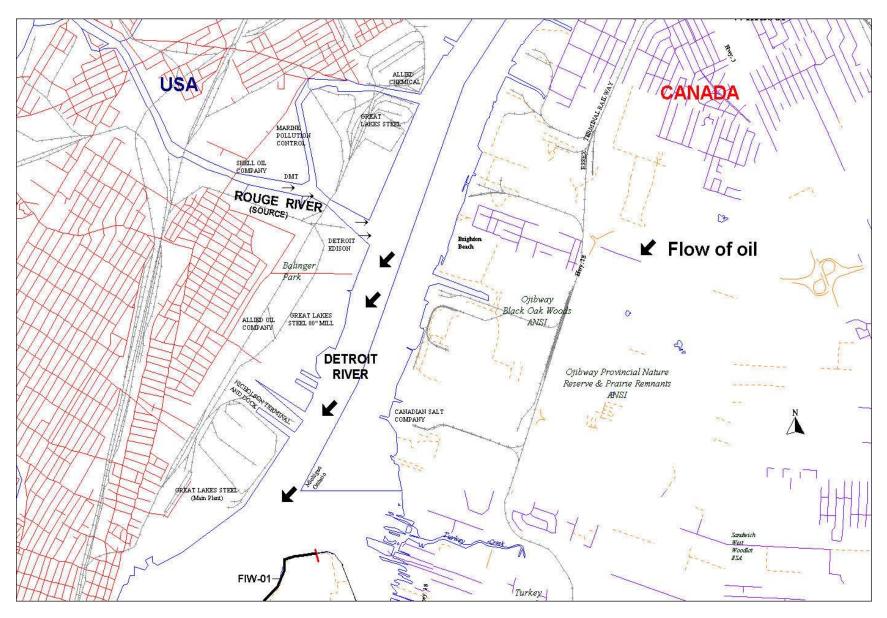
Shoreline Assessment Oiling Conditions



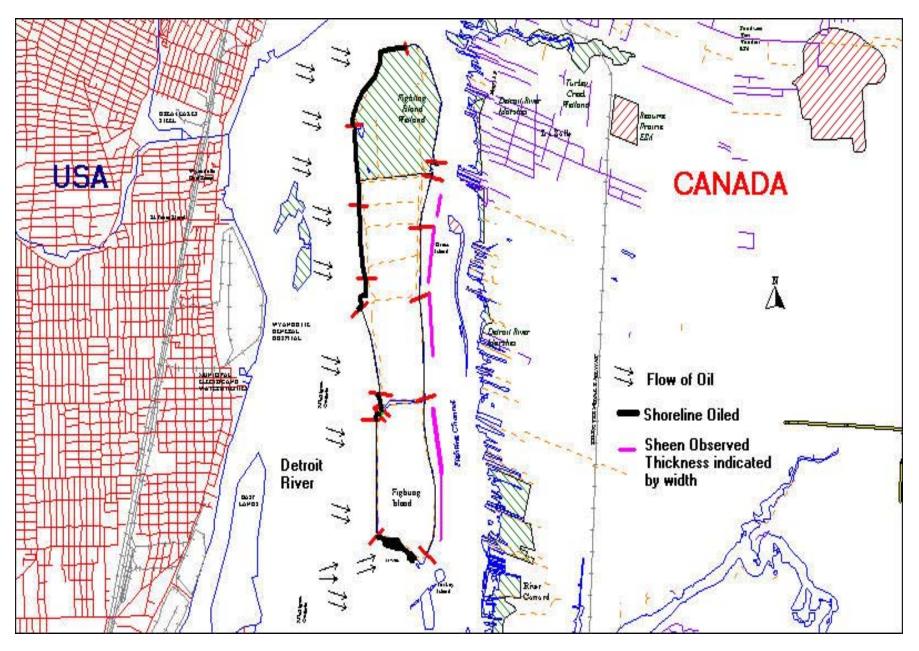


- Approx 18 km of Canadian Shore Oiled, Est 10,000L(2600gal)
- ▶ 0.5 to 1 mm Thick
- 50 75mm from Waterline
- Slightly Weathered
- Pooled Oil (75mm)
- > Oiled Reeds (152mm)
- Stained Rocks
- Sheen

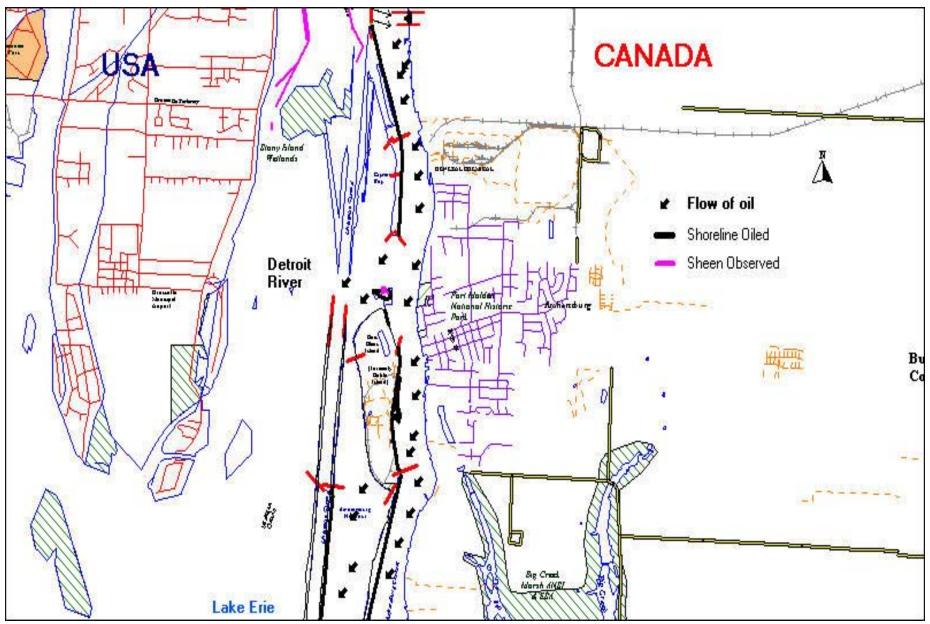
Shoreline Assessment



Shoreline Assessment



Shoreline Assessment



Cleanup Methods & Criteria Methods





Different Methods According to Shoreline Type

Manual Removal of Oiled Debris

Compressure Wash

Cleanup Methods & Criteria Methods





- Flooding (deluge)
- Contained High Pressure Wash
- Cutting of Vegetation/Reed
- Natural Recovery

Cleanup Methods & Criteria Criteria





- Different Criteria According to Land Use
- Was Any Oil Product Recoverable
- Was There Potential for Oil to Remobilize

Cleanup Methods & Criteria Criteria





Any Pooled Oil Visible in Water or on Shoreline

- Does Oil Become Visible When Sediments are Mixed/Stirred
- Keeping in Mind More Harm Than Good May Occur in Some Areas

Other Response Facts

- US source, CANUSLAK invoked by USCG
- Total volume spilled was approx 1.2 mil litres(326, 000 gal)
- US investigating possible sources (still unknown)





Other Response Facts





Stakeholders

Four Private Shorelines Oiled Cleaned

Other Response Facts

- No Active Bird Migration or Fish Spawning Common to the Area (nesting in progress)
- Five Oiled Birds Were Captured/Cleaned, Four Survived & Released
- No Reports of Any Fish Kill





Site Revisit - 1





- area Revisited June 4/02June 6/02
- Video & Photo Documentation
- No Visible impact on shoreline
- New Vegetation Growth
- Wildlife Vibrant on all Shorelines
- Will be Revisiting in Spring of 2003

Site Revisit - 2





- area Revisited April 2003
- Video & Photo Documentation
- No Visible impact on shoreline
- New Vegetation Growth
- Wildlife Vibrant on all Shorelines
- Will not be Revisiting

Summary

- Importance of Shoreline Assessment/Observations to Determine Cleanup Strategy
- Issue Surrounding "How Clean is Clean" is Subject to Specific Circumstance
- Natural Recovery is Going to Occur on Most Areas Where Significant Wave Action is Present (Shipping Channel)

Summary

- Importance of cross border coordinated response
- Exercising pollution response plans to ensure efficiency
- Importance of good working relationships with all agencies involved on both sides of the border



