

SCAT for Inland Oil Spills

SCAT Team Member Course

ST Louis, MO

May 2018

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Orientation

- Exits
- 911
- Restrooms
- Kitchen
- Lunch
- Parking
- Phones



REALIZATION

It was at that point when Timmy realized that wasn't the bus to summer camp...

Safety

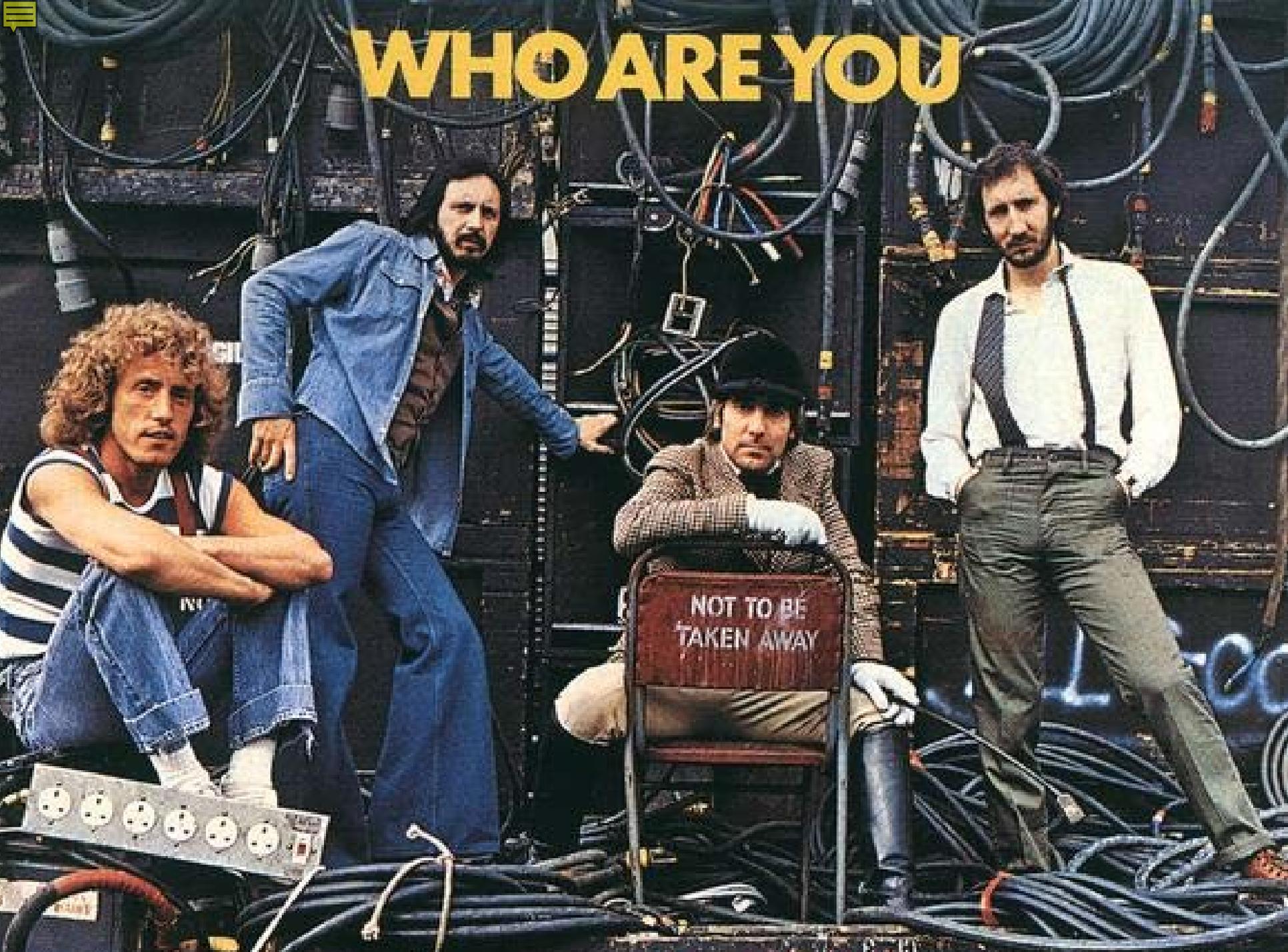
- Stay Hydrated
- Dress appropriately
- Poison Ivy
- Hypothermia
- Ticks

The record-breaking cold weather is causing less suffering than your attempts at explaining it.



“Water? Oh, that’s good! Hah hah hah! How very droll! No, sorry old man, no water here... This is a cultural oasis!”

WHO ARE YOU



Agenda





❖ Acronym: Shoreline Cleanup Assessment Technique

WATCH FOR BEAR SCAT.

What is a SCAT Program?

A systematic approach that:

- ❖ uses standard methods and terminology
- ❖ to collect data on shoreline oiling conditions
- ❖ to support decision-making for shoreline cleanup

Officials Investigate Oil Spill

Updated: Fri 6:42 PM, Jun 28, 2013

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Wayne County, Miss. Local and state officials are continuing their response to an oil spill in northern Wayne County.

Officials say it has impacted the Chickasawhay River nearby.

The spill happened off the Shubuta-Eucutta Road near the Wayne-Clarke county line.

As of Friday morning, no evacuations were necessary and the cause of the spill remains under investigation.

Why *INLAND* SCAT?



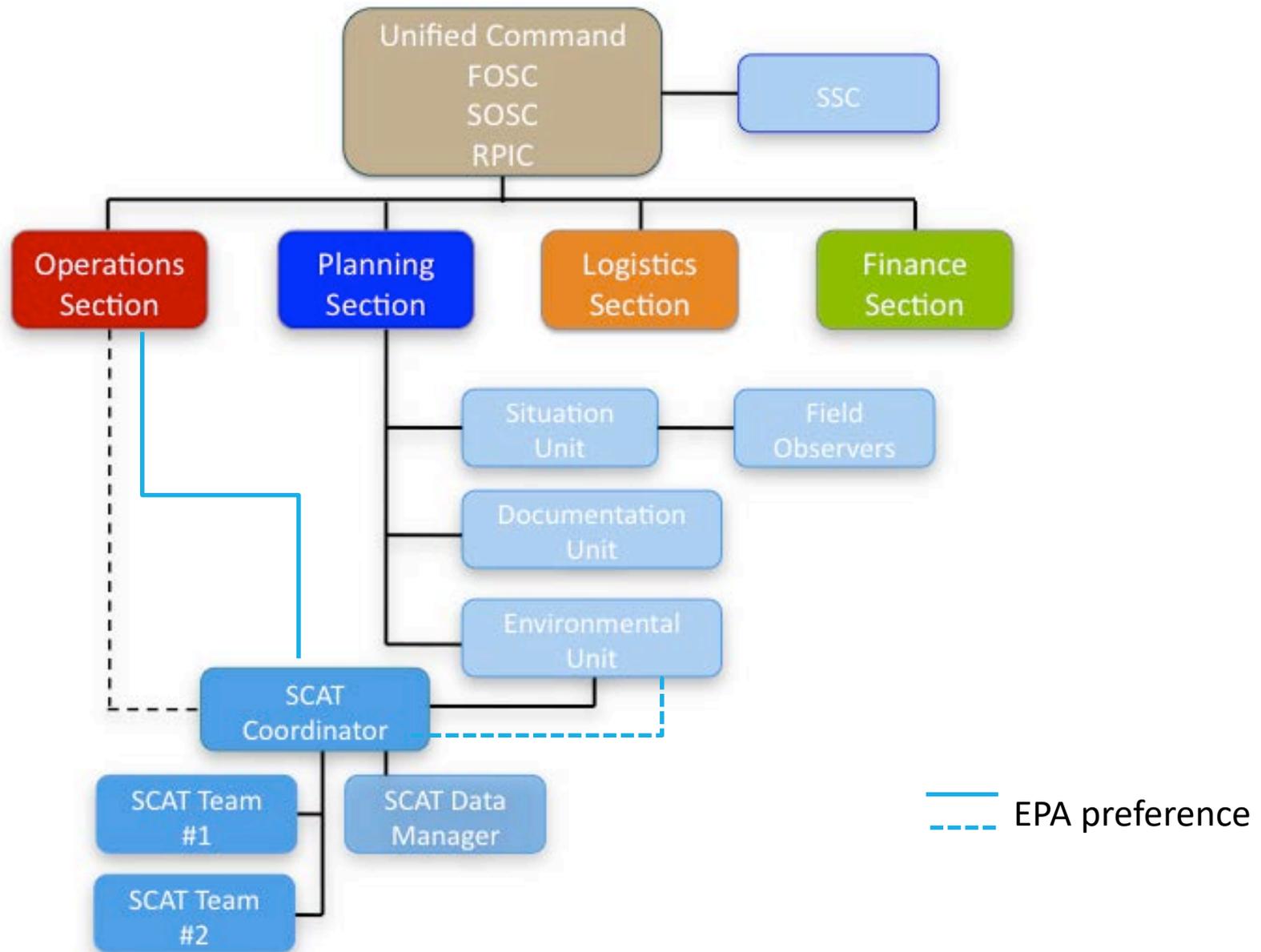
An aerial photograph showing a large-scale environmental cleanup operation. A massive, dark-colored pipeline has collapsed and is partially submerged in a river. Several yellow excavators are positioned around the spill site, and a yellow tanker truck is nearby. Workers in safety gear are visible on the muddy banks. The surrounding area is lush with green trees and vegetation.

What is a SCAT Program?

It is multi-agency:

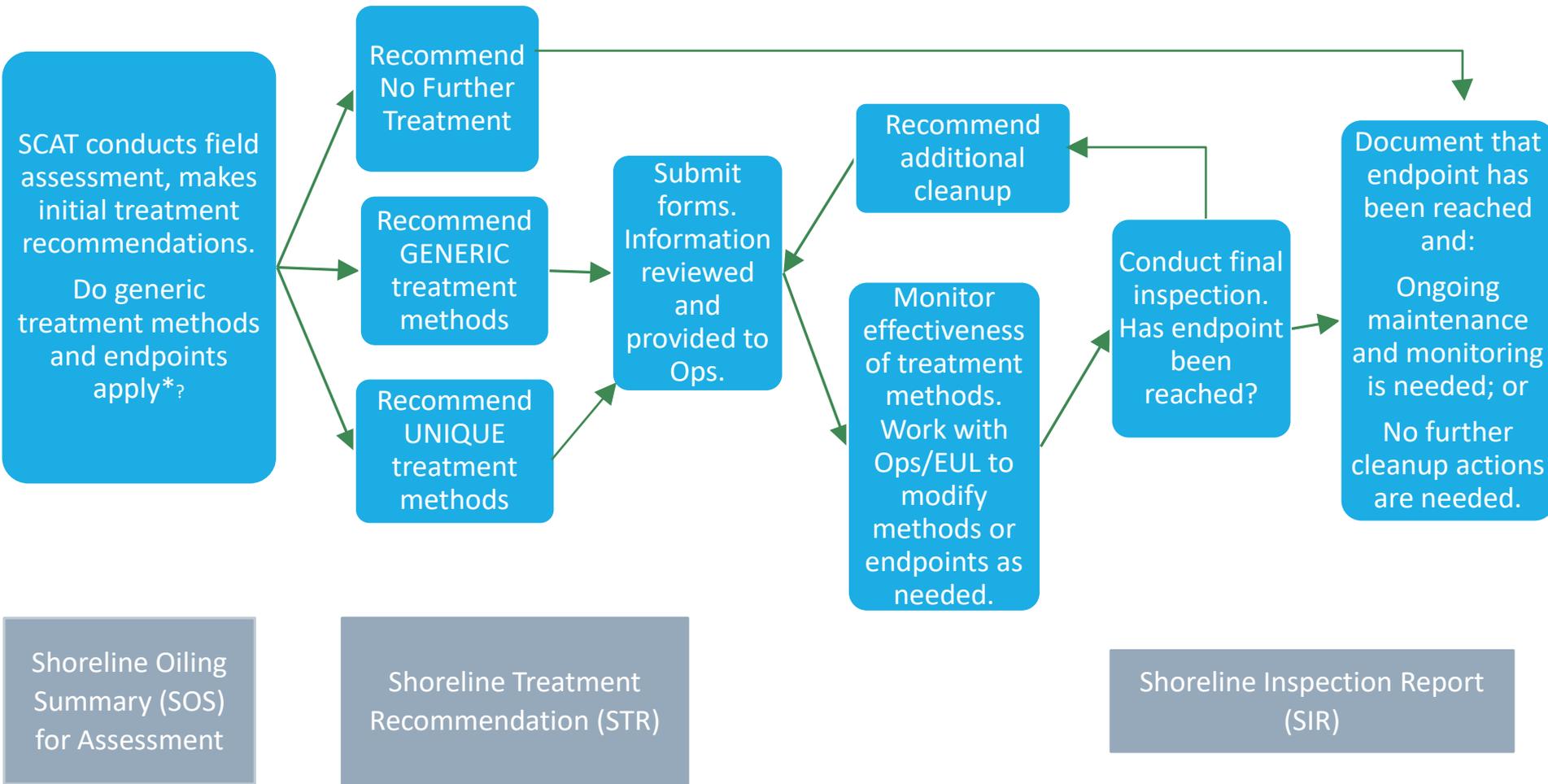
- ❖ Responsible Party (spiller)
- ❖ Various agency representatives
- ❖ Resource Managers
- ❖ Land Owners

It is flexible in terms of the scale of the survey and detail of the data sets collected.



SCAT within the Unified Command

SCAT TEAM ACTIONS



* Generic Treatments and Endpoints provided in SCAT Workplan.



Course Objectives

- ❖ Understand the SCAT process
 - team roles
 - field methods
 - products
- ❖ Discuss technical information needed by SCAT teams to perform their responsibilities
- ❖ Identification of shoreline types, processes, and ecological resources during field exercises
- ❖ Become familiar with the fate and behavior of spilled oil



Course Objectives

- ① Discuss guidelines for selecting cleanup endpoints appropriate for the complex uses of inland habitats
- ① Discuss selection of appropriate cleanup methods for different habitat types and oil types
- ① Become familiar with specialized resources (Habitat Fact Sheets, etc,)
- ① Discuss alternative cleanup methods



Course Objectives

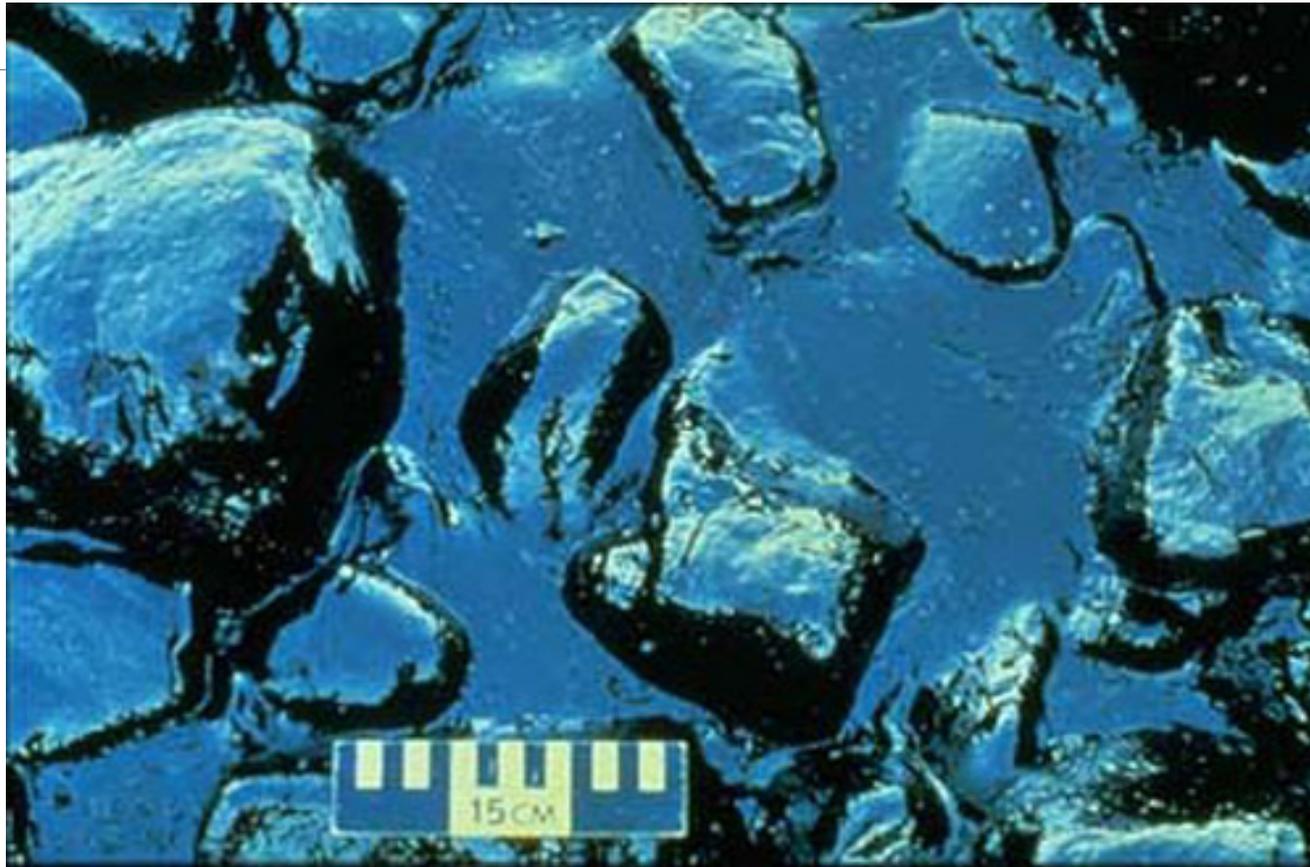
- Implementation of shoreline assessments, field sketches, completion of SCAT forms
- Observe a day in the life of a SCAT Team member
- Application of all these topics through case studies and lessons learned



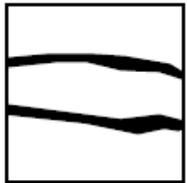
Team members belong in...



Percent Coverage Activity



Visual Percent Cover Estimation



A. _____



B. _____



C. _____



D. _____



E. _____



F. _____



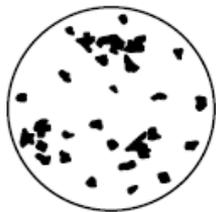
G. _____



H. _____



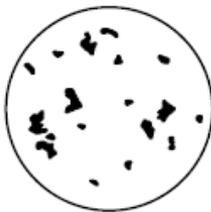
I. _____



1. _____



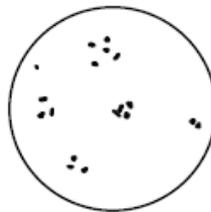
2. _____



3. _____



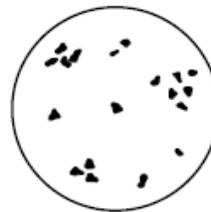
4. _____



5. _____



6. _____

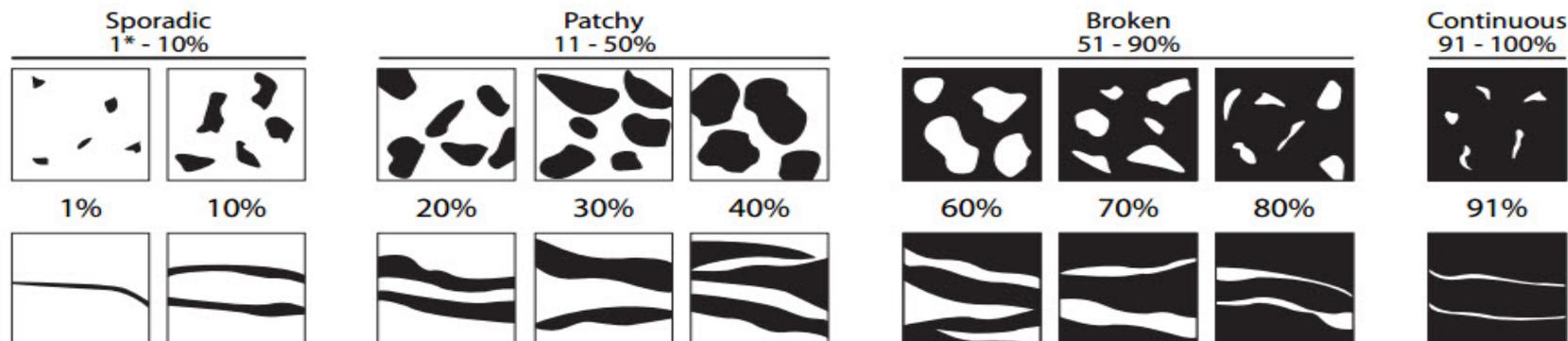


7. _____



8. _____

These charts are aids to help you estimate the percent oil coverage in the area you are observing. The black shading represents oil. Do not spend time trying to get a precise measure of percent cover; the four ranges listed are usually sufficient. The chart below would prove most helpful in oil band situations; the one on the following page is best for discrete oil deposits such as tarballs.



* Trace = < 1%

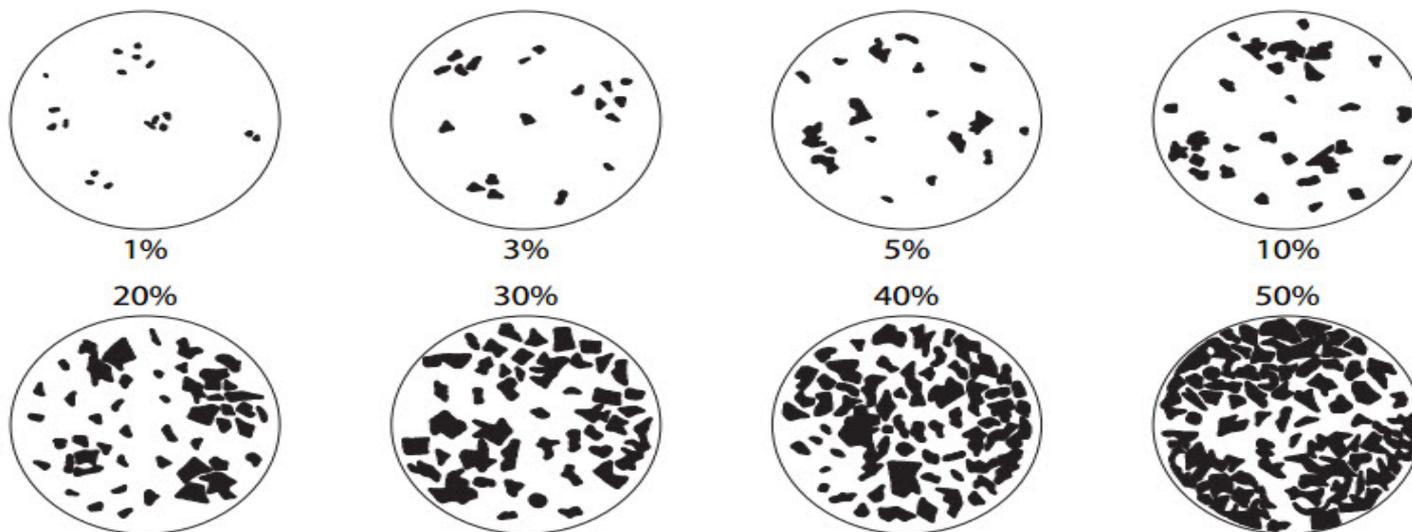


Chart source: Owens, E.H., and G.A. Sergy. Field Guide to the Documentation and Description of Oiled Shorelines. Environment Canada, Edmonton, Alberta, Canada. March 1994. ISBN 0-662-22048-X.