

Pipeline Emergencies

Insights and Lessons Learned from Local
and Tribal Response to the Olympic
Pipeline Gas Spill



**SWINOMISH
EMERGENCY
MANAGEMENT**

Learning Objectives

- Role of On Scene Coordinators
- What to expect from Federal and State Agencies
- Partnering in Unified Command with Responsible Party
- Considerations for establishing an EOC
- Alerts and Warnings
- Importance of using a Joint Information System
- Responding in Critically Sensitive Habitats
- Navigating unpredictable Incident Challenges
- Recouping local costs
- What happens after Emergency Response

The Dispatch

Sunday, Dec 10 • 6:44 AM

Fire District 3 is on scene of a jet fuel spill from a shipping container, fuel is spilling into the groundwater. Located at State Route 534 and Conway Hill Rd. Call dispatch for more details.

The Scene





The Scene



K-8 SCHOOL

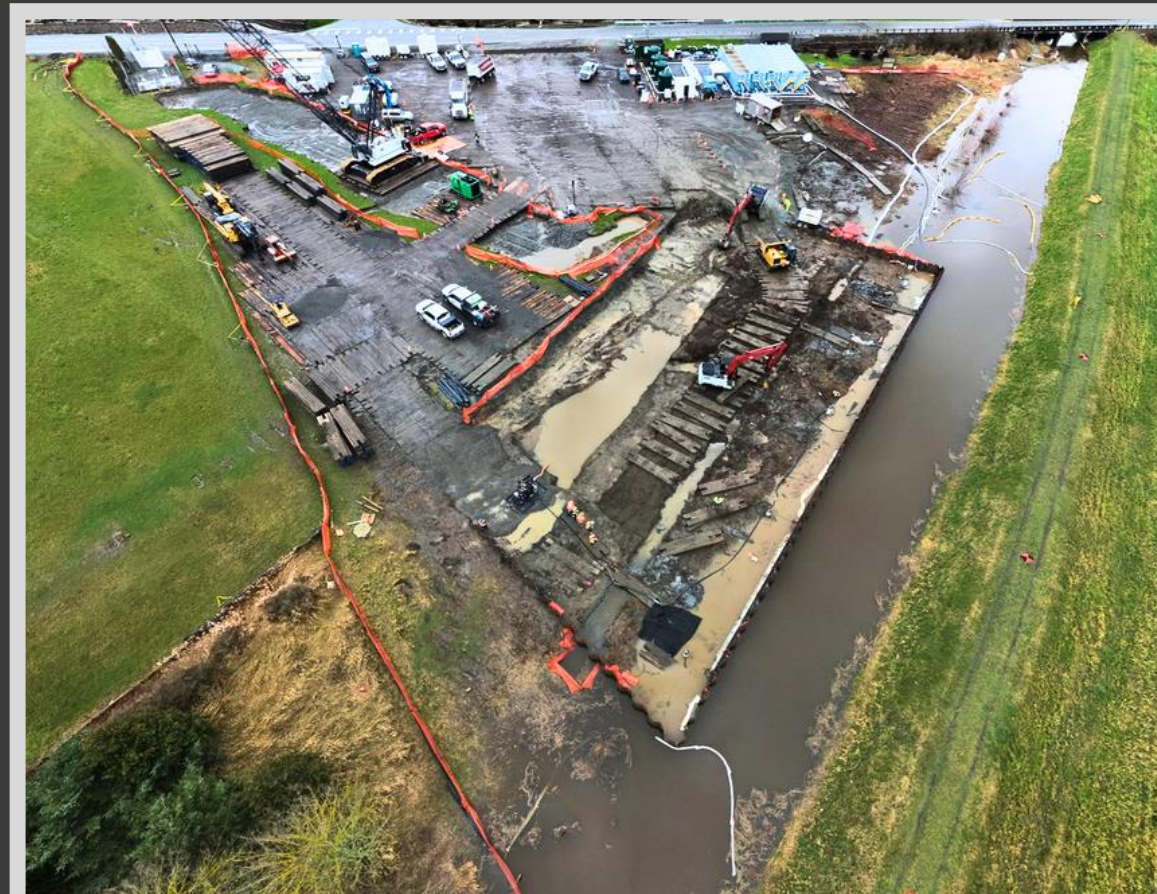
ASSISTANT FIRE CHIEF'S HOUSE

SPILL SITE

ROAD
CLOSED

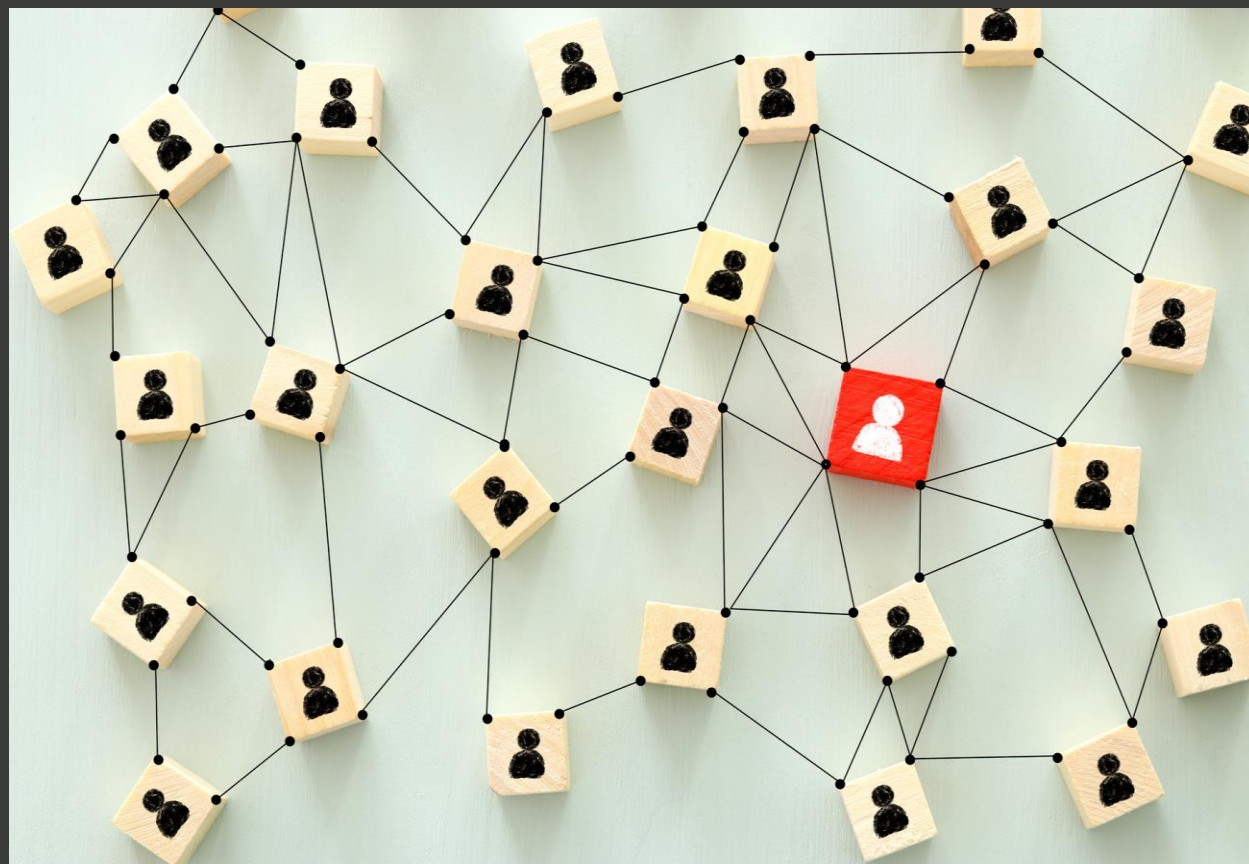
SPEED
LIMIT
35

What Happened?



105 DAY RESPONSE

Role of On Scene Coordinator



Knowledge of local resources and connections

Knowledge of local culture and interests

Communicate with key decision makers

Tribal Usual and Accustomed Grounds

What to Expect from State and Federal Agencies

(and all the other Departments and Agencies that come)

- Different authorities, abilities
- Different Subject Matter Experts
- Different specialties in EOC



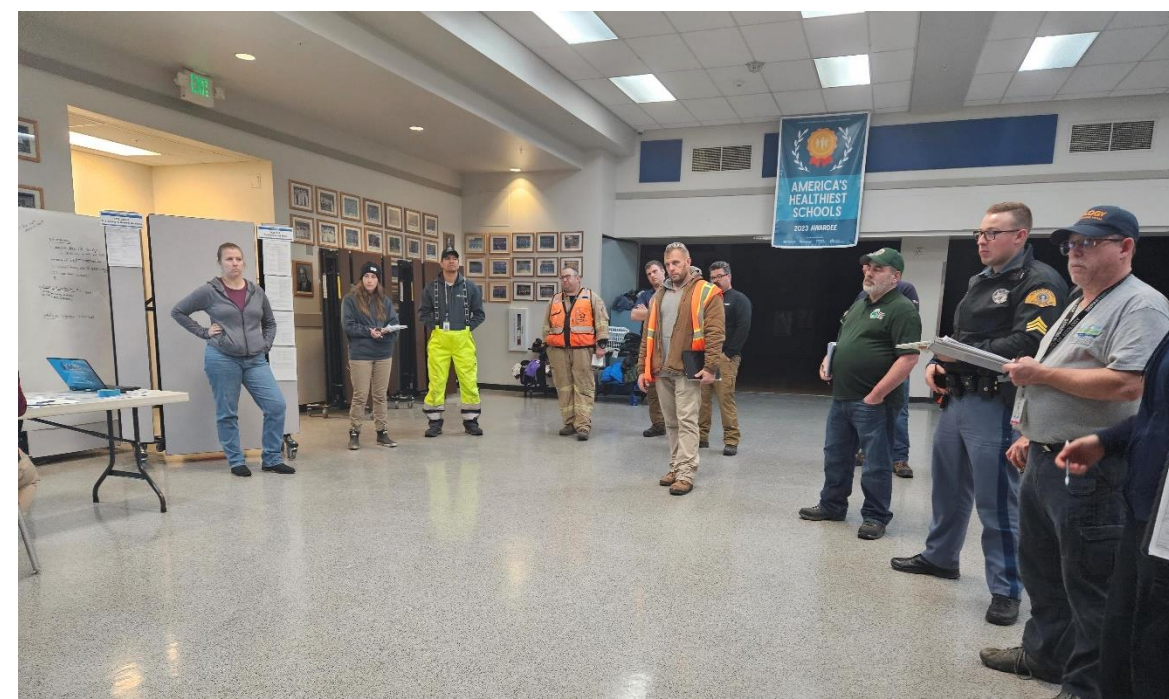
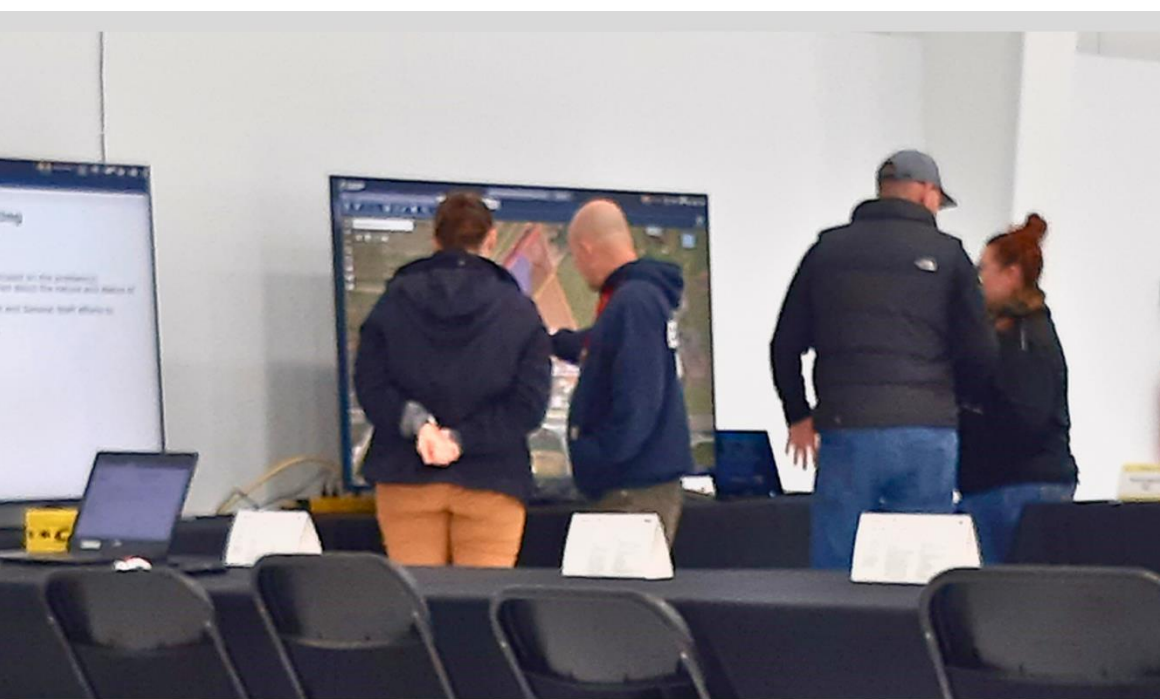
Partnering in Unified Command with the Responsible Party

- Need to build trust
- Educate non-locals
- Integrating into a pre-existing group

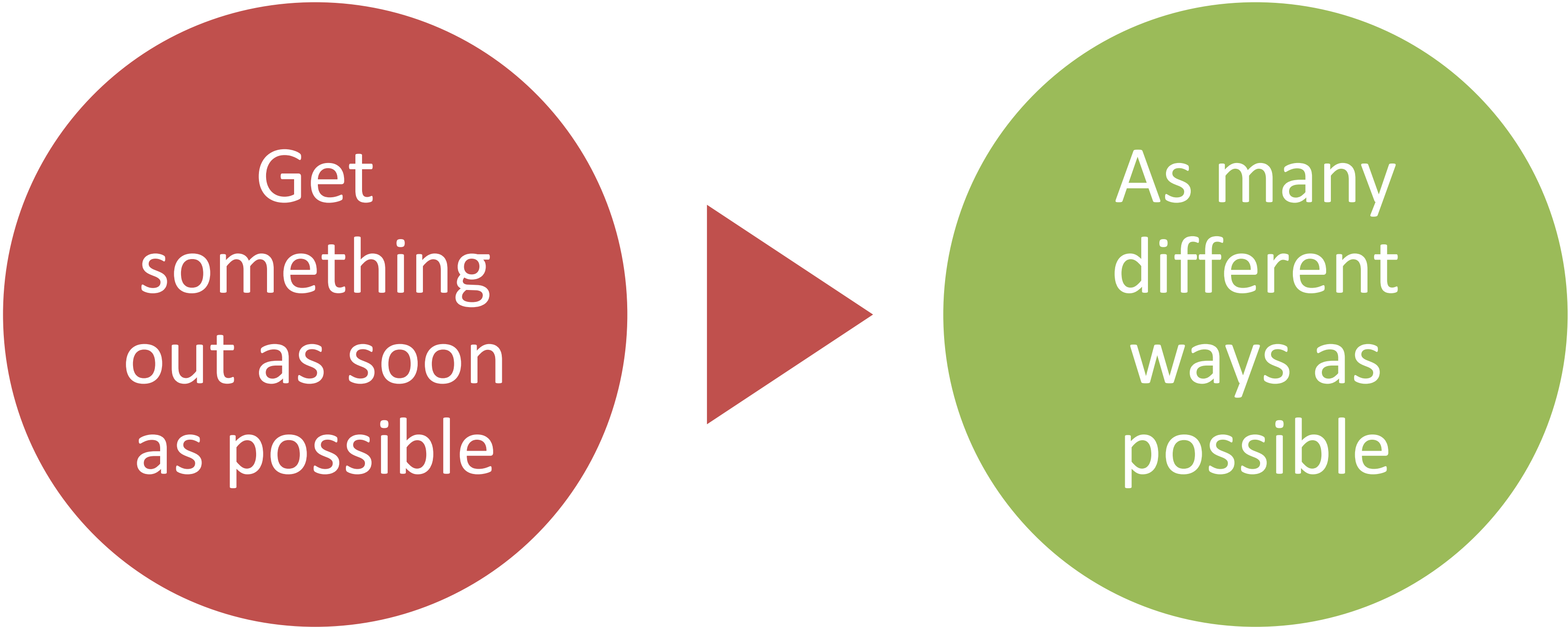


Considerations for Establishing an EOC

-
- Distance from response site
 - Size of space
 - Number of people
 - Food
 - Parking
 - Sanitation
 - Meeting spaces
 - Virtual options



Alerts and Warnings



Get
something
out as soon
as possible

As many
different
ways as
possible

Importance of using a Joint Information System

Consistent Messaging



Share the Load



Liaison is Very Important Person



Responding in

Critically Sensitive
Habitat

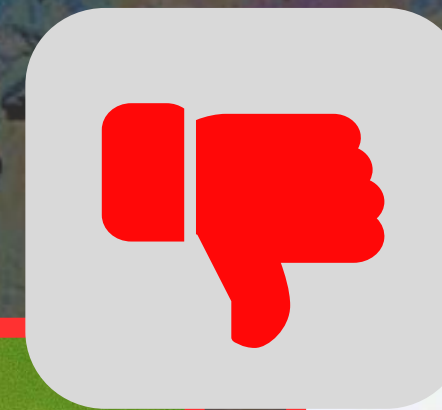
- Salmon-bearing stream
- Feeds into Skagit River and Skagit Bay



Responding in Critically Sensitive Habitats



Salmonids



American Bullfrog



New Zealand
Mud Snail

Navigating Incident Challenges

New Zealand mud snails

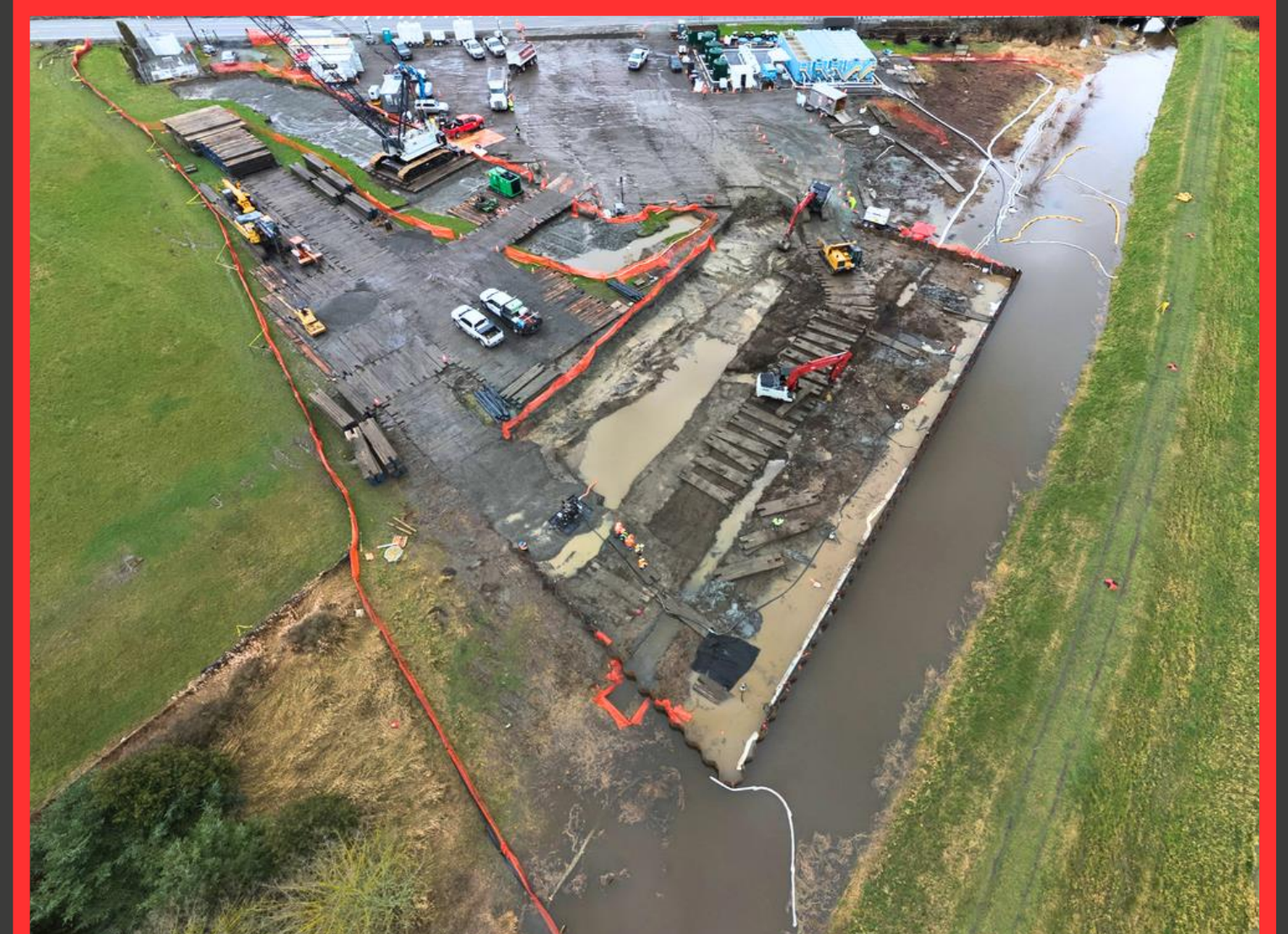
Potamopyrgus antipodarum



ID: Freshwater snails no longer than 1/5." Cone-shaped shells with five to six whorls. Shell color varies from light brown to black.

Photo by Washington Invasive Species Council

Navigating Incident Challenges



Navigating Incident Challenges



Navigating Incident Challenges

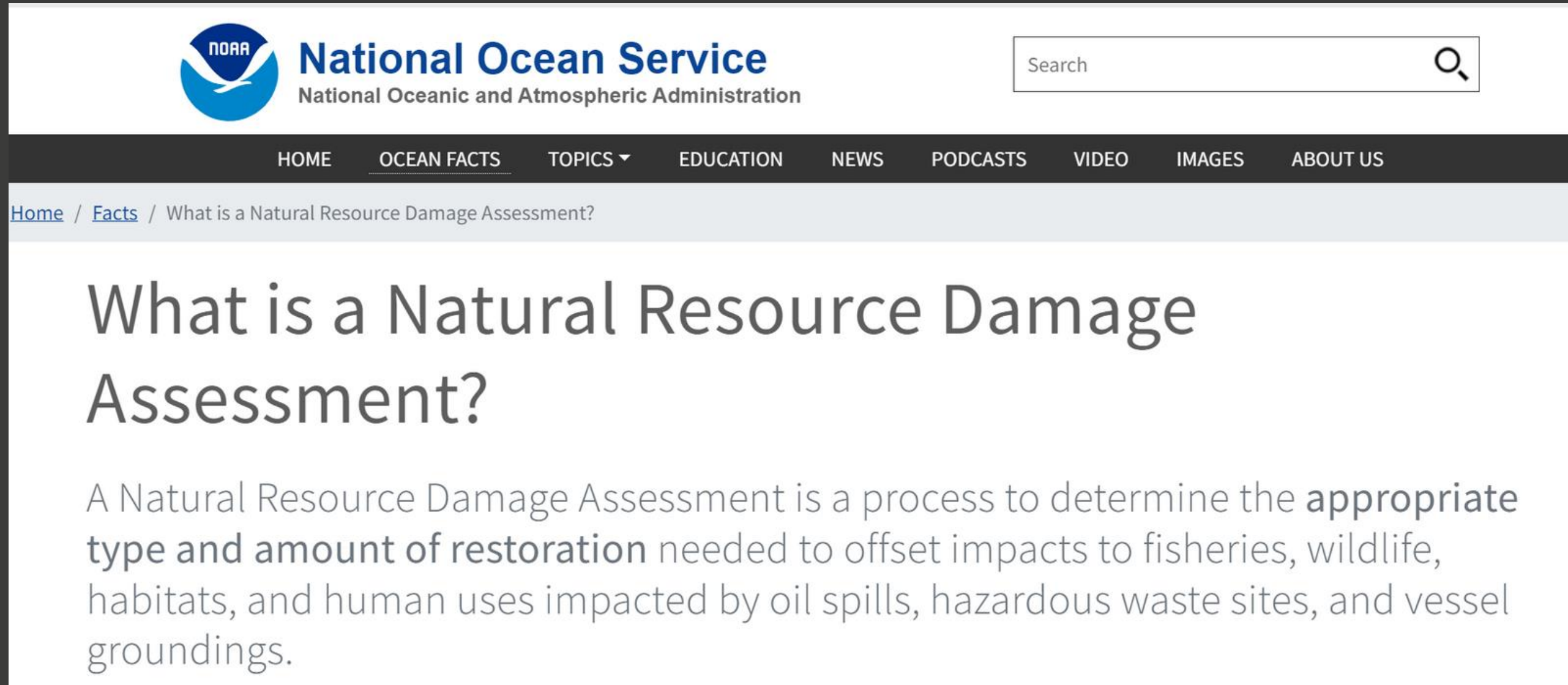


Recouping Local Costs

- Communicate early and often
- Have a policy in place beforehand
- Track everything
 - Make sure people log in and out
 - Equipment costs
- Personnel costs vary widely



What happens after Emergency Response



The screenshot shows the NOAA National Ocean Service website. The header includes the NOAA logo, the text 'National Ocean Service' and 'National Oceanic and Atmospheric Administration', and a search bar. A navigation menu contains links for HOME, OCEAN FACTS, TOPICS, EDUCATION, NEWS, PODCASTS, VIDEO, IMAGES, and ABOUT US. The breadcrumb trail reads 'Home / Facts / What is a Natural Resource Damage Assessment?'. The main heading is 'What is a Natural Resource Damage Assessment?'. The introductory text states: 'A Natural Resource Damage Assessment is a process to determine the appropriate type and amount of restoration needed to offset impacts to fisheries, wildlife, habitats, and human uses impacted by oil spills, hazardous waste sites, and vessel groundings.'

NOAA National Ocean Service
National Oceanic and Atmospheric Administration

Search

HOME OCEAN FACTS TOPICS EDUCATION NEWS PODCASTS VIDEO IMAGES ABOUT US

Home / Facts / What is a Natural Resource Damage Assessment?

What is a Natural Resource Damage Assessment?

A Natural Resource Damage Assessment is a process to determine the **appropriate type and amount of restoration** needed to offset impacts to fisheries, wildlife, habitats, and human uses impacted by oil spills, hazardous waste sites, and vessel groundings.

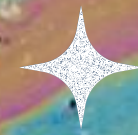
<https://oceanservice.noaa.gov/facts/nrda.html>

Emergency Response is not Mitigation or Recovery

Objective Review

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Questions?



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**SWINOMISH
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For more information on the Conway spill



<https://ecology.wa.gov/spills-cleanup/spills/spill-preparedness-response/responding-to-spill-incidents/spill-incidents/olympic-pipeline-gasoline-spill-mt-vernon>