



GLOBAL

The Tiger

The Salvor's Role in Pollution Mitigation

A dark blue, stylized world map serves as the background for the slide. The map is centered on the Atlantic Ocean, with North and South America visible on the left and Europe and Africa on the right. The map is rendered in a lighter shade of blue against the darker background.

Presented by:

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Prevention First

- The precept of prevention continues even when an unexpected emergency causes oil to enter the water
- In the face of pollution we...
 - Prevent continuing pollution by securing the source
 - Prevent the spread through containment
 - Prevent additional pollution during salvage operations through sound work practices

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Vessel Condition



Response Objectives

- Contain and recover
- Raise vessel to eliminate long term pollution
- Minimize release during salvage operations
- Defuel vessel after raising

Basin Configuration

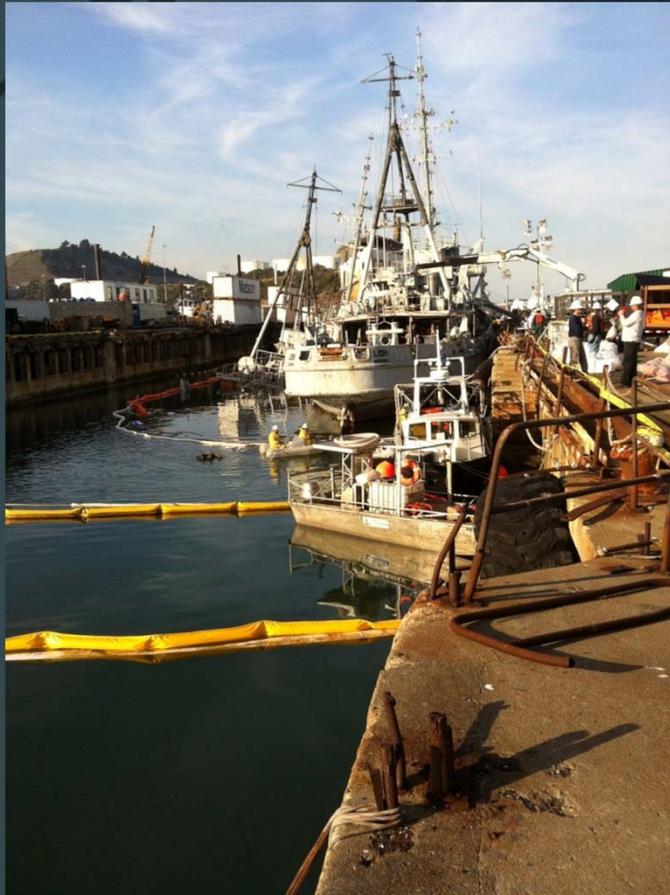


Contain and Recover



Double Containment

Graving Dock



Tide Slides



Salvage Operations

- Right the vessel
- Construct WFP's (cofferdam?)
- Deploy 17 electric submersible pumps
- Install diverter system
- Dewater vessel
- Stabilize
- Defuel

Righting the vessel

- Moffat & Nichol
- Winches



What is a WFP?



Watson Freeboard Panels



Cofferdam Complete



Pump Installation



Pump Control House

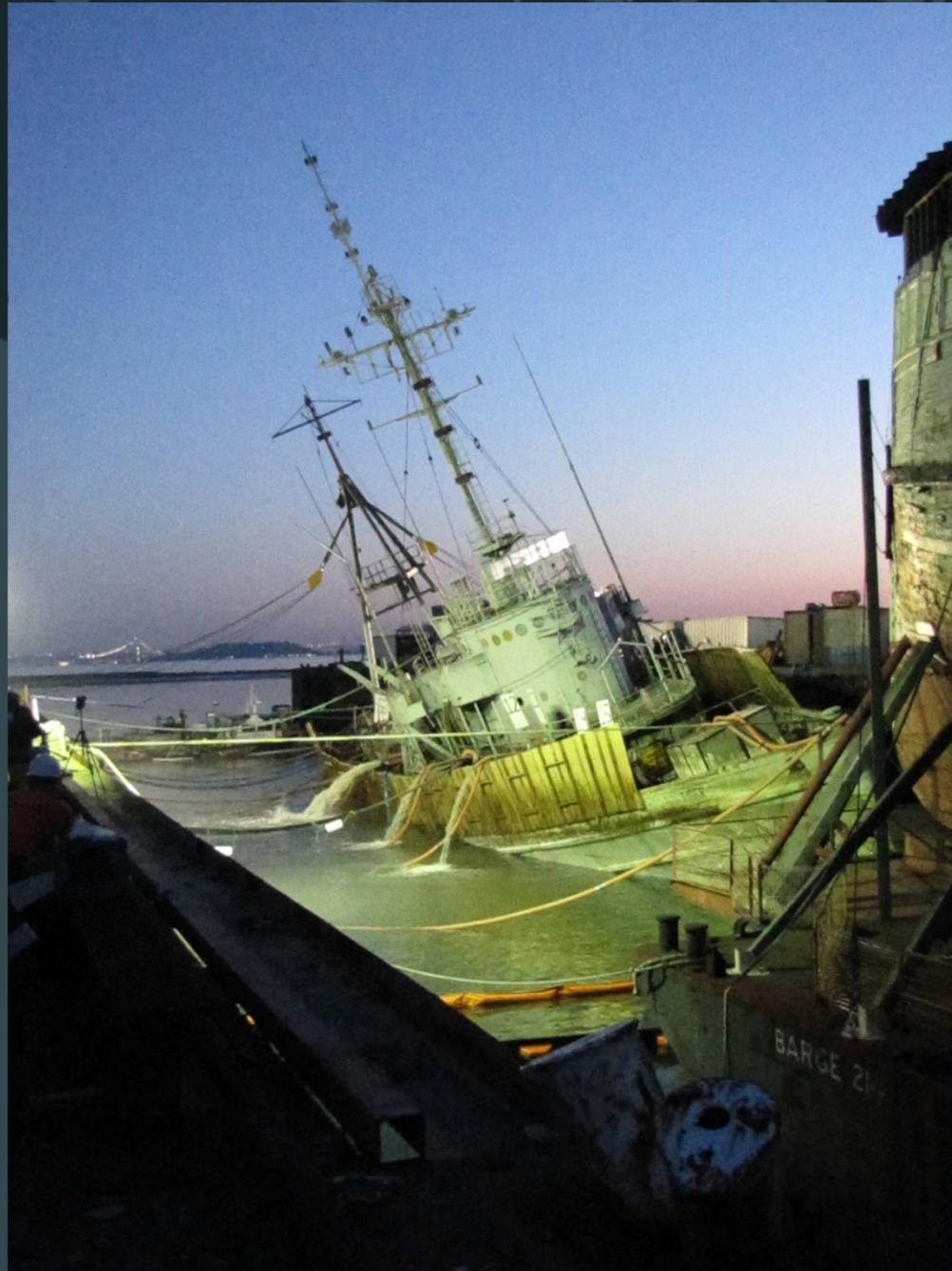


Diverter System

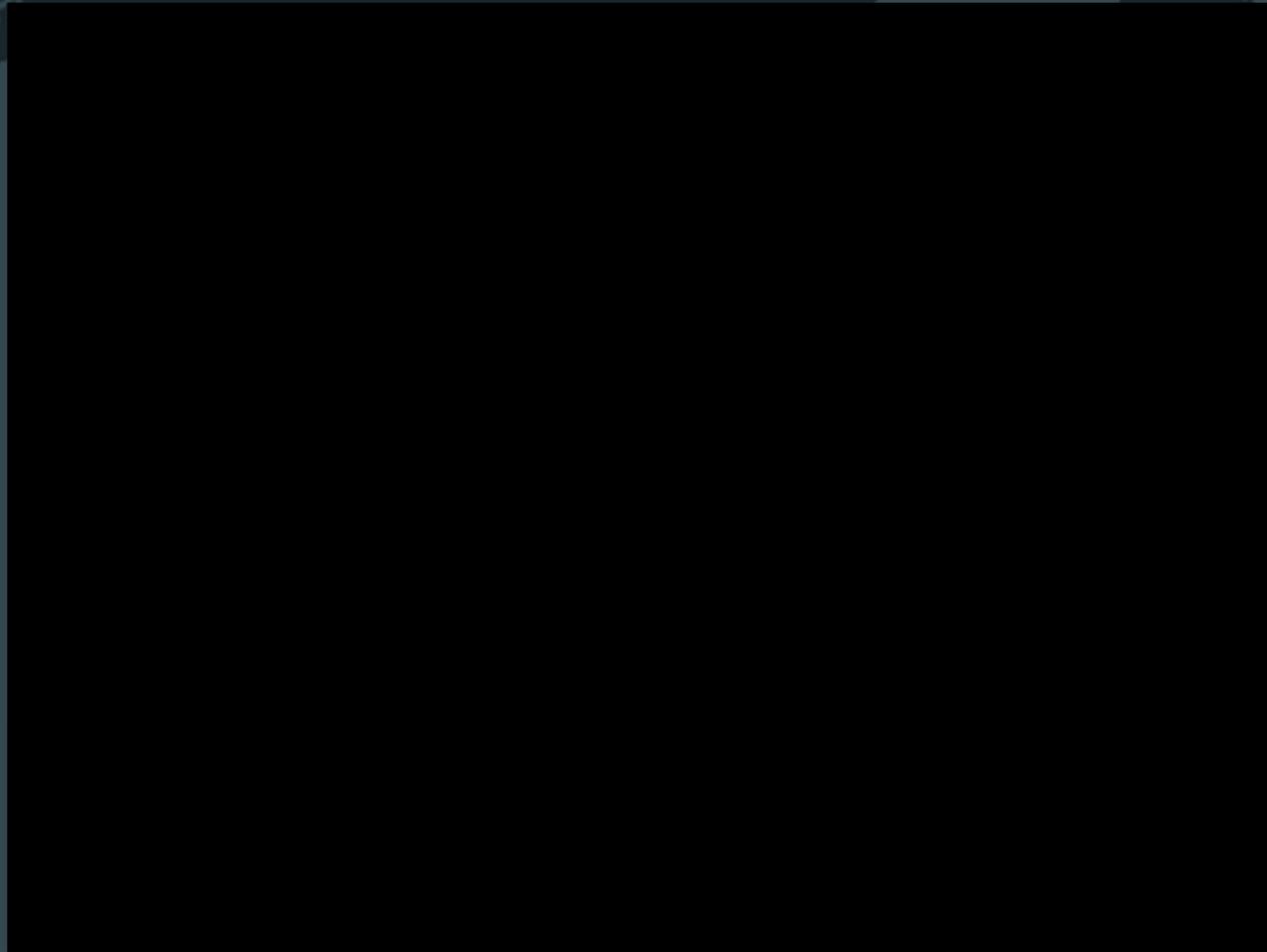
- Duplicate pumps in each compartment
- One pump directly overboard
- Other pump through diverter “Y”
- One side of “Y” overboard
- Other side of “Y” to frac tank
- If water discharging, it goes overboard
- If oil encountered, diverter switched and discharge goes to tank

Dewater Vessel





High Speed



Floating and Stable



Defueling Operation

- Obtained tank drawings from “The Perfect Storm” boat Tamarack
- Systematic defueling/dewatering in concert with naval architect
- 37,000 gallons of oil and oil water mixture removed from vessel