

**Environment**

**Economy**

**Public Health and Safety**

**Science and Technology**

**Public Policy**

# Wenk Lecture:

Striking a balance from competing values in setting public policies:  
A Case Study on Washington State Oil Spill Issues”

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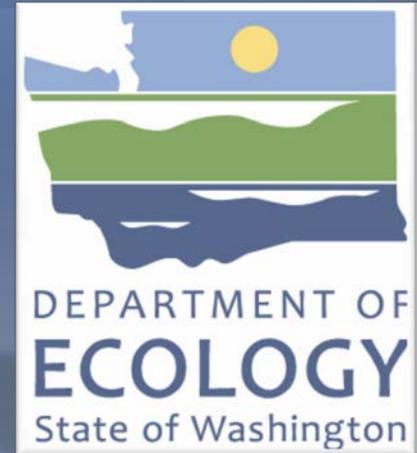
**Dale Jensen, Program Manager**

Spill Prevention, Preparedness & Response Program

October 28, 2010

# State Agency Roles

- ◆ Ecology:
  - ◆ Vessel and Facility Spill Prevention
  - ◆ Oil Spill Preparedness
  - ◆ Oil & Hazmat Response
  - ◆ Natural Resources Damage Assessment
- ◆ Fish and Wildlife:
  - ◆ Lead Trustee for Fish and Wildlife
- ◆ Natural Resources:
  - ◆ Derelict Vessels & State aquatic lands



# Program Overview – Prevention



- ◆ Board and inspect covered cargo and passenger vessels.
- ◆ Inspect oil refineries and marine terminals.
- ◆ Improve waterway management including transboundary tanker traffic and tank vessel escort.
- ◆ Inspect oil transfer and pre-booming operations.
- ◆ Promote voluntary “best achievable protection” for oil tankers and oil barges.
- ◆ Investigate the causes of vessels and facility spills.
- ◆ Take action to eliminate intentional waste oil dumping by ships.

# Program Overview – Preparedness



- ◆ Review and approve industry contingency plans.
- ◆ Conduct oil spill drills.
- ◆ Develop Geographic Response Plans (GRPs).
- ◆ Verify and test effectiveness of response equipment.
- ◆ Participate in Area Planning process.

# Program Overview – Response



- ◆ Protect public health/safety, the environment and economy by:
  - ◆ Rapidly and aggressively responding to and cleaning up oil and hazardous material spills - 24 hours/day from 6 offices.
  - ◆ Building response capability at the local level.
  - ◆ Cleaning up methamphetamine drug labs.
  - ◆ Expanding remote sensing and spill tracking capability.

Spills that have shaped the Washington's oil spill policies

# HISTORY OF SPILLS

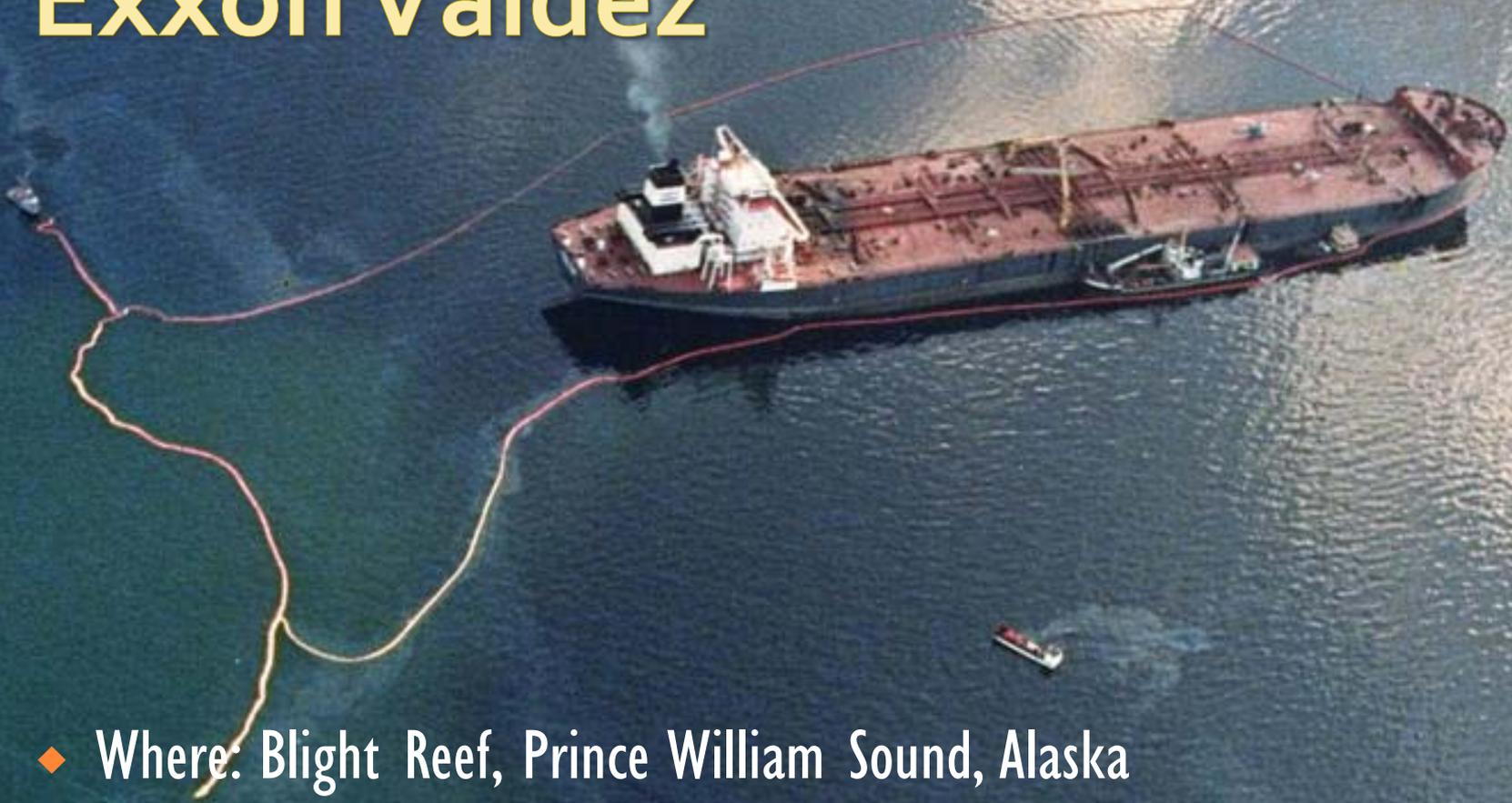


# Nestucca Oil Barge



- ◆ Where: Off coast of Grays Harbor
- ◆ When: December 23, 1988
- ◆ How much: 231,000 gallons of heavy oil

# Exxon Valdez



- ◆ Where: Blight Reef, Prince William Sound, Alaska
- ◆ When: March 24, 1989
- ◆ How much: 11 million gallons of crude oil

# Olympic Pipeline

- ◆ Where: Bellingham, Washington
- ◆ When: June 10, 1999
- ◆ How much: 277,000 gallons of gasoline into Whatcom Creek (explosion killed 3 kids)



# Polar Texas – Dalco Passage Spill

- ◆ Where: Commencement Bay
- ◆ When: October 13, 2004
- ◆ How much: 7,200 gallons of heavy crude oil





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**Deepwater Horizon Oil Spill**  
**Gulf of Mexico**  
**April 20, 2010**









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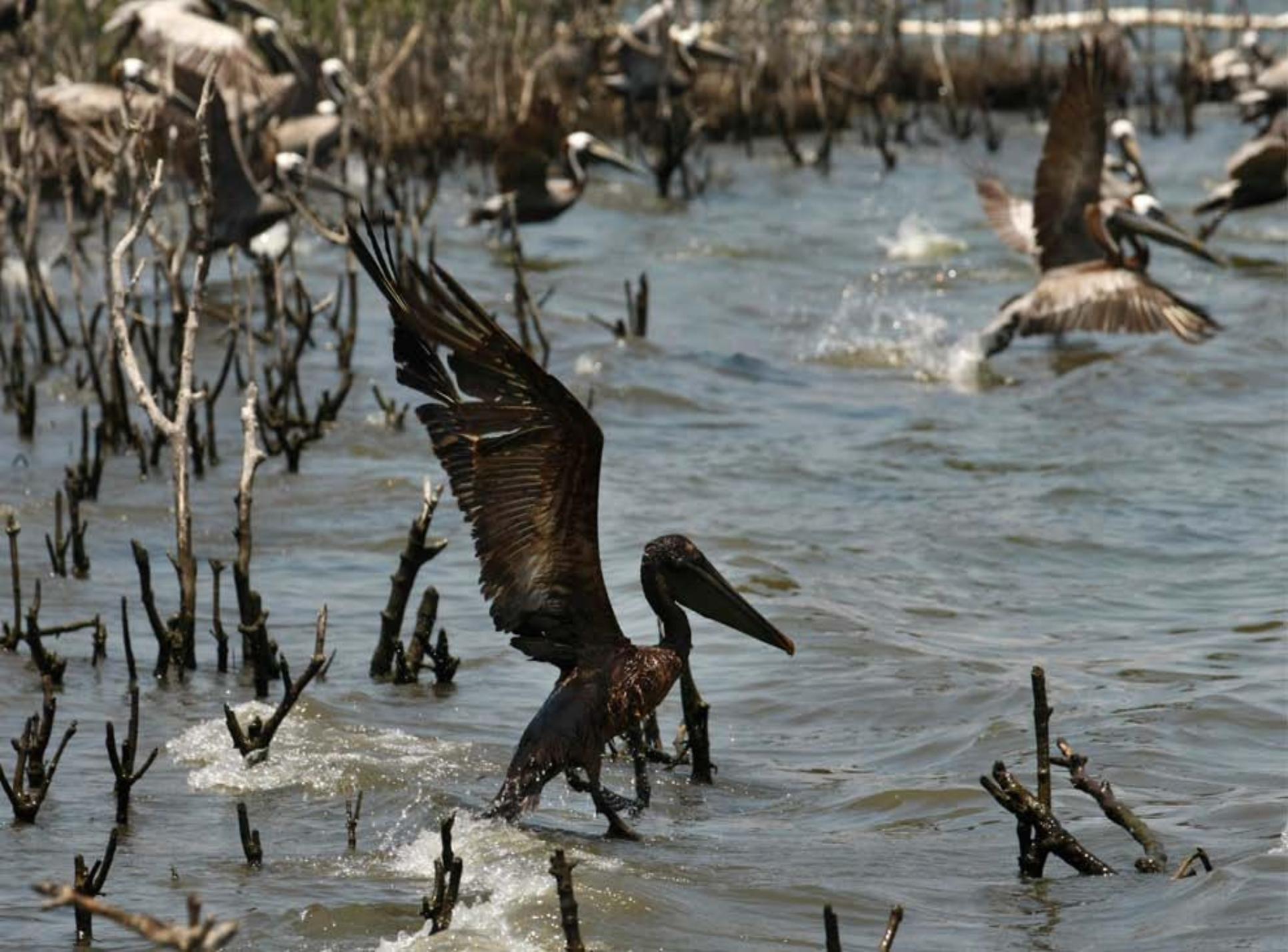






















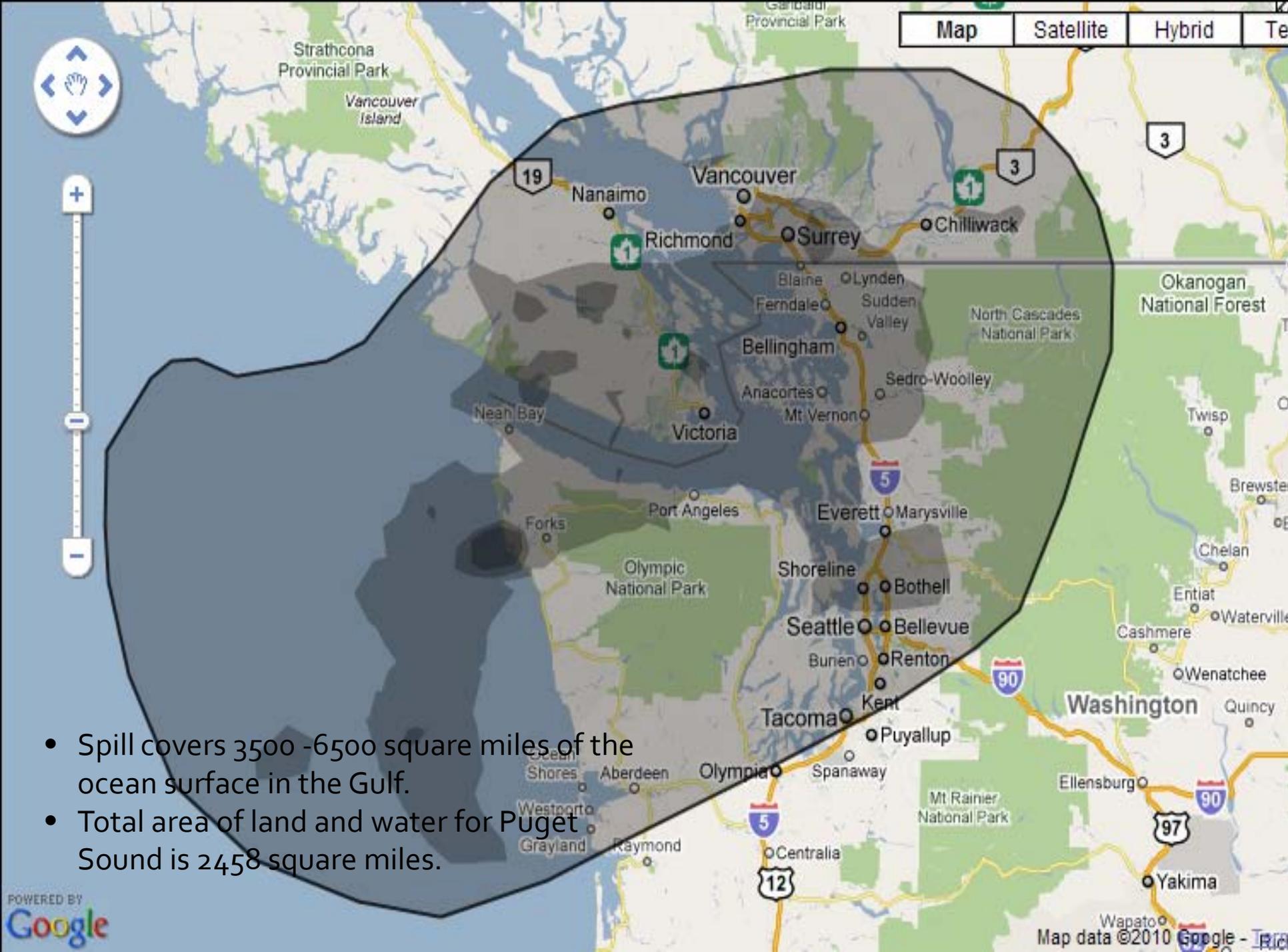




Approximately 10,000 square miles

Approximately 2800 square miles

Approximately 600,000 square miles



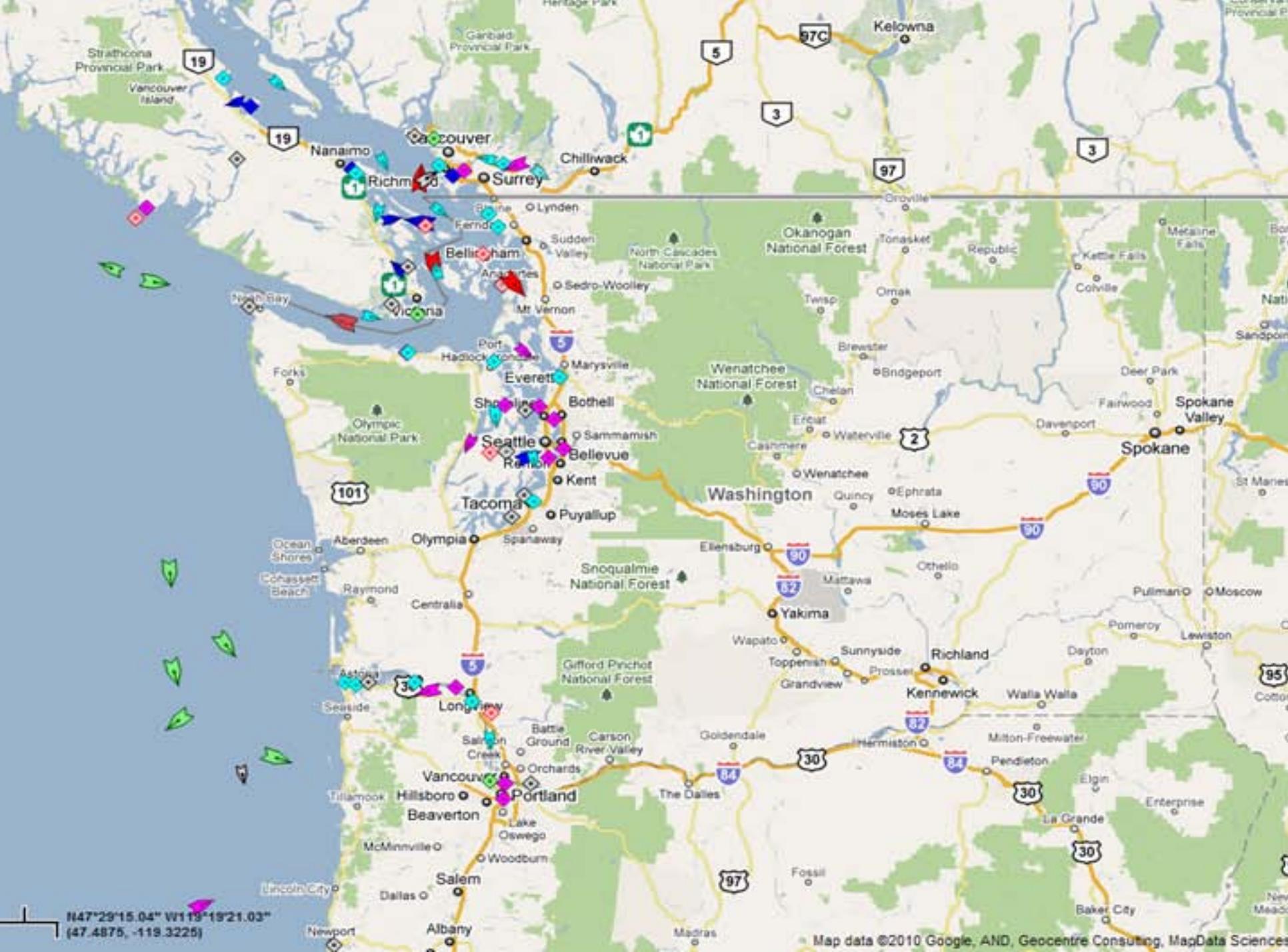
- Spill covers 3500 -6500 square miles of the ocean surface in the Gulf.
- Total area of land and water for Puget Sound is 2458 square miles.

# Lessons Learned from Gulf Spill – impacts to Washington

- ◆ Dispersant application methodology
- ◆ Disclosure of product formula (proprietary)
- ◆ Designated, pre-approved or no-use zones within Puget Sound

How Washington is....

**STRIKING A BALANCE  
BETWEEN COMPETING VALUES  
IN SETTING PUBLIC POLICIES**



N47°29'15.04" W119°19'21.03"  
(47.4875, -119.3225)





DOT 11A/BALWZ

ITEM	DATE	USE
MAX INSULATION	02/14	2010
THICKNESS TEST	02/14	2010
SERVICE EQUIPMENT	02/14	2010
HTW	02/14	2010
COATING LANS		

**HYDROGEN PEROXIDE**  
NET FOR FLAMMABLE L11X117S

2014  
51

78548



15  
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11

SEATTLE  
WA







HONDA

LOWE  
*Industries*

750

358 L





**WARNING  
NO VISITORS  
NO SMOKING  
NO OPEN LIGHTS**



2005 9 1









9 11:49 AM







UNION

PACIFIC

35

APR 13 2003





SPECIAL RESPONSE  
EQUIPMENT









APR 3 2007







MAINTENANCE:  
CALIBRATION: 1/10/07

MAR 6 2008



SONGA HUA

KAJURO

















NOV 8 2006



AUG 3 2006



OCT 4 2006









*Drivers Wanted*  
*Home Everyday*  
1-800-789-1110

1883







5/30/2007 10:00 AM







FEB 6 2007









JAN 10 2005



JUL 22 2005











STOP

IL SPILL RESPONSE  
EQUIPMENT

SPU

TIM GOWLES











MAR 21 2005

# THANK YOU

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**Public Perception**

**Economic  
Vitality**

**International, Federal,  
State, Tribal, Local and  
NGO Partnerships**

**Environmental  
Protection**

**Our way of life**