

Looking over the (Deepwater) Horizon

Dave Westerholm

Director, Office of Response and Restoration

National Oceanic and Atmospheric Administration | NOAA



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Focus of today

Role of NOAA – mandates and key areas of support in Deepwater Horizon

What were some of the challenges and public concerns

What can we expect as we look “over the horizon”



April 20, 2010

5 Key Areas for NOAA

Providing **science support** to decision makers

Keeping **seafood** safe

Protecting **wildlife & habitats**

Assessing natural resource **damage**

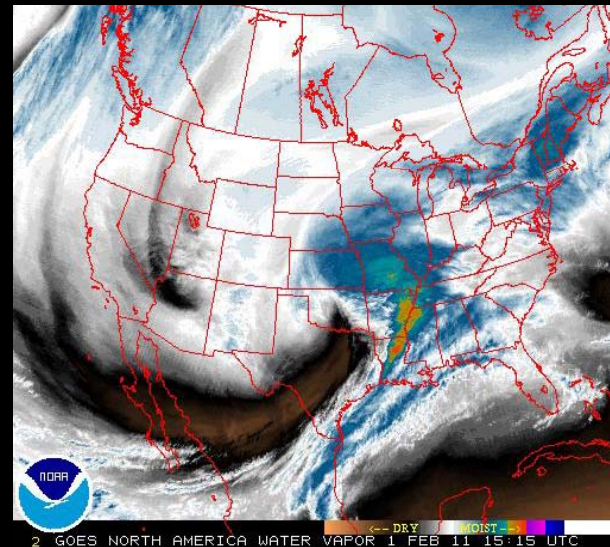
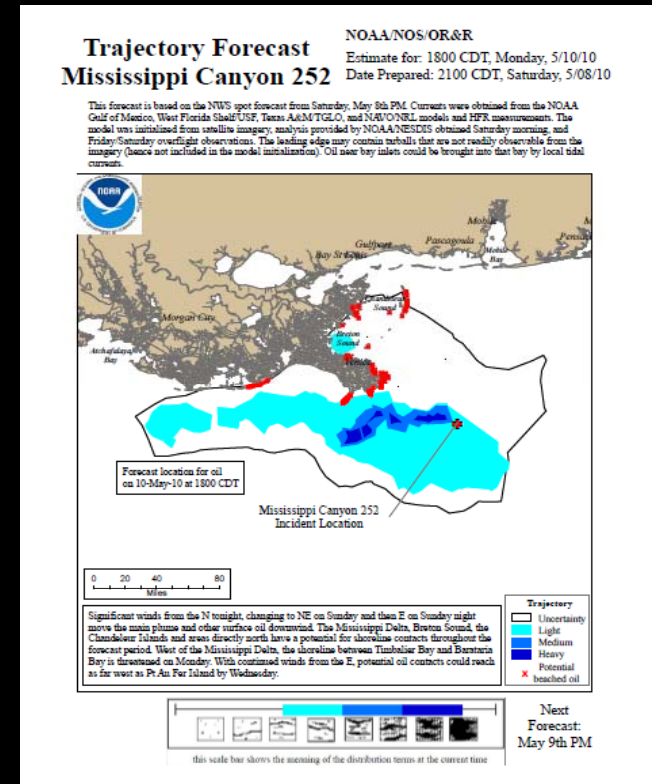
Restoring the natural resources that were injured

5 Key Areas for NOAA

Providing **science support** to decision makers

Trajectory forecasts

Weather forecasting



5 Key Areas for NOAA

Providing **science support** to decision makers

Analysis of Earth & Oceanographic Data



Aircraft & Unidentified-Platform Data



Glider & Float Data



5 Key Areas for NOAA

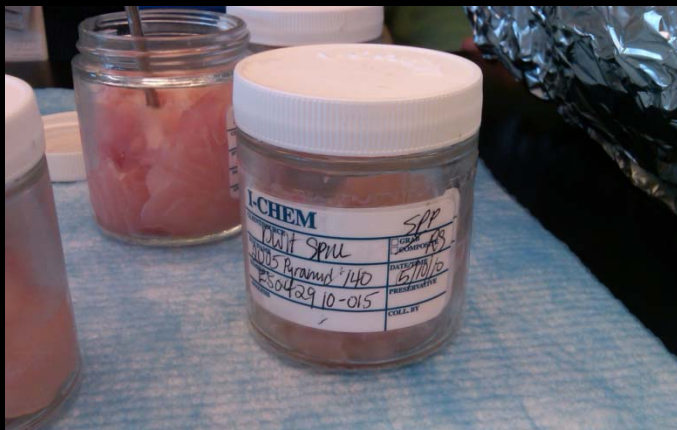
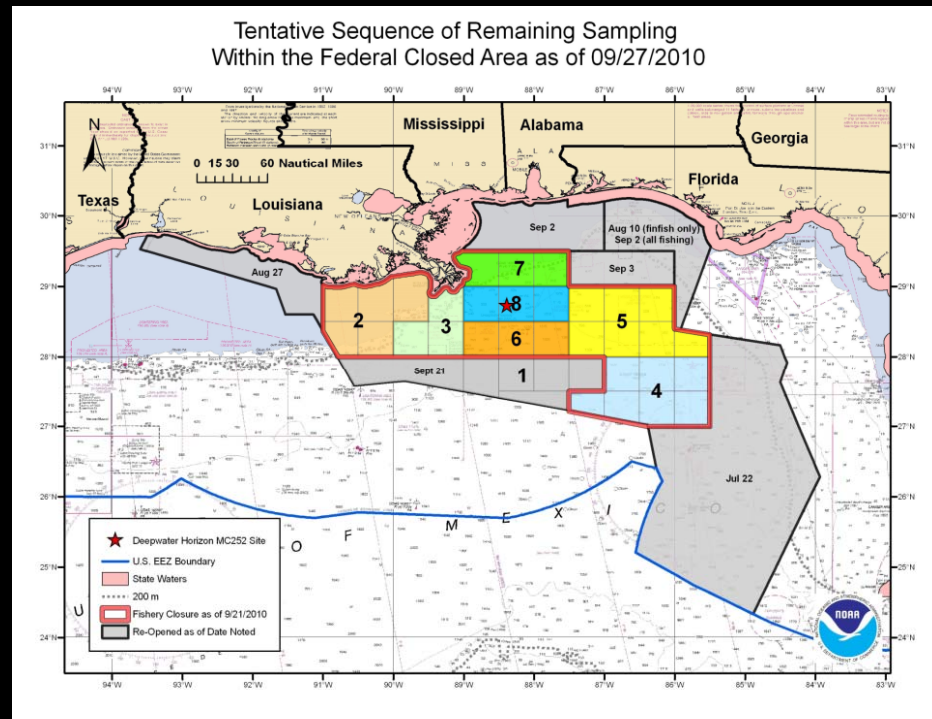
Providing **science support** to
decision makers

**Response
Strategies**



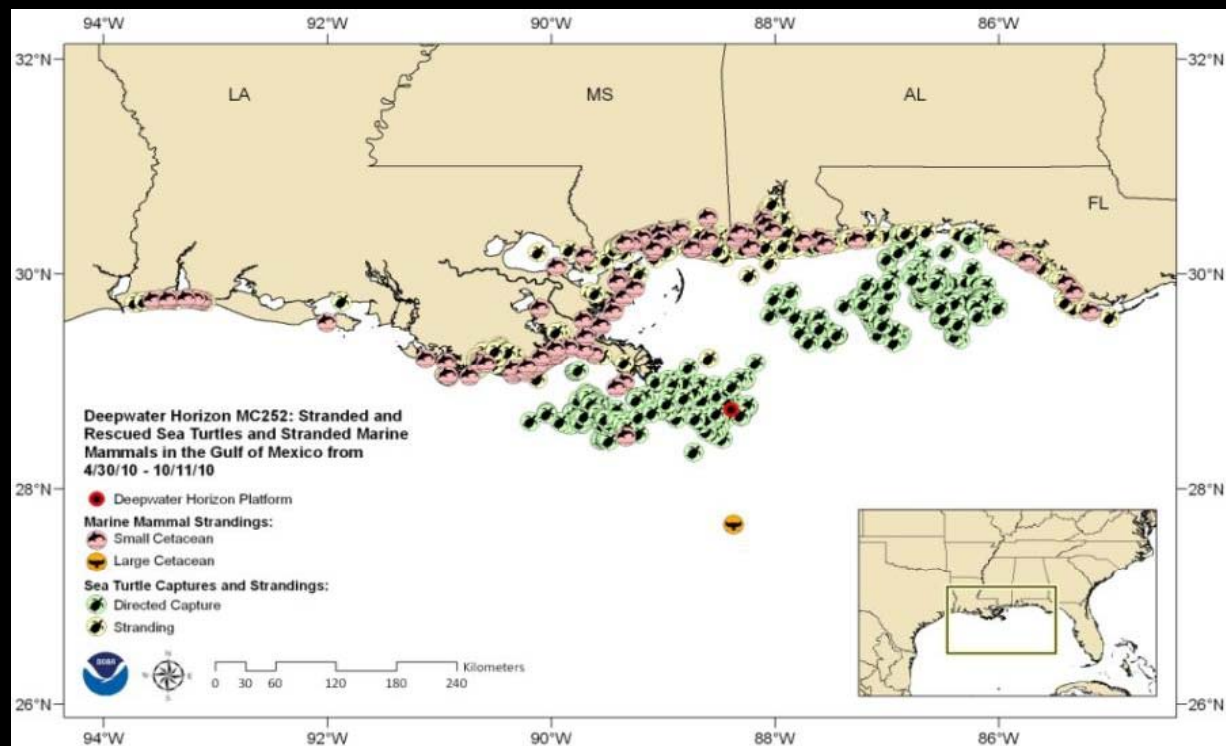
5 Key Areas for NOAA

Keeping seafood
safe



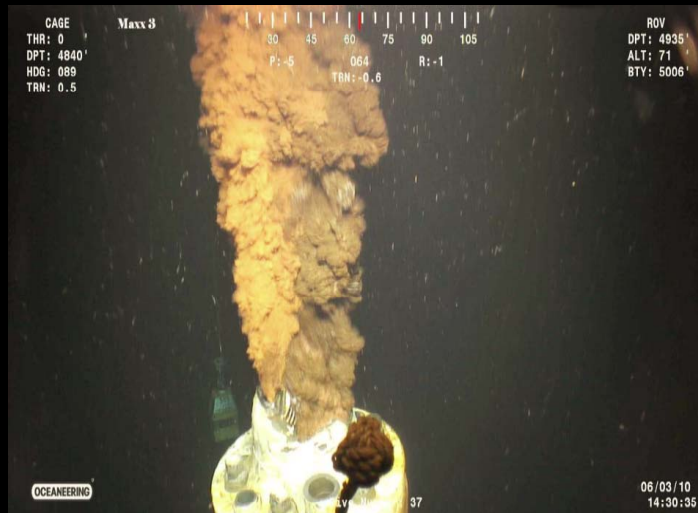
5 Key Areas for NOAA

Protecting
**wildlife &
habitats**



5 Key Areas for NOAA

Assessing natural
resource
damage



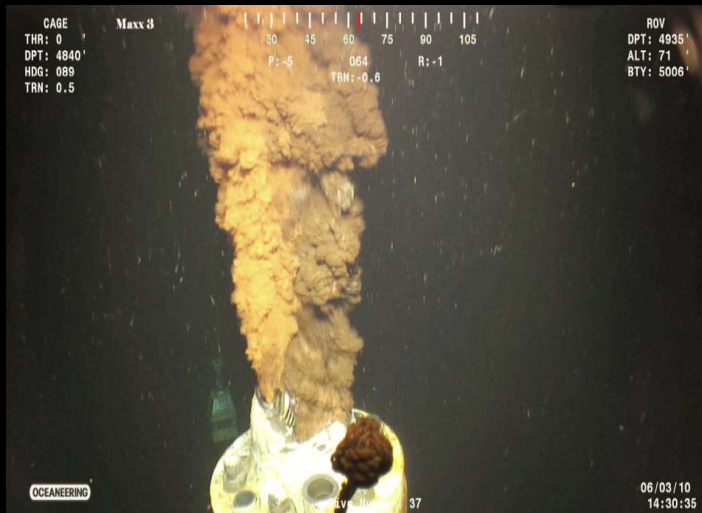
5 Key Areas for NOAA

Restoring the natural resources that were injured



Challenges and Public Concern

Subsurface



- Flow Rate
- Use Subsurface dispersants
- Fate and Effect of oil rising up from the bottom
- Potential biological impacts of subsurface oil

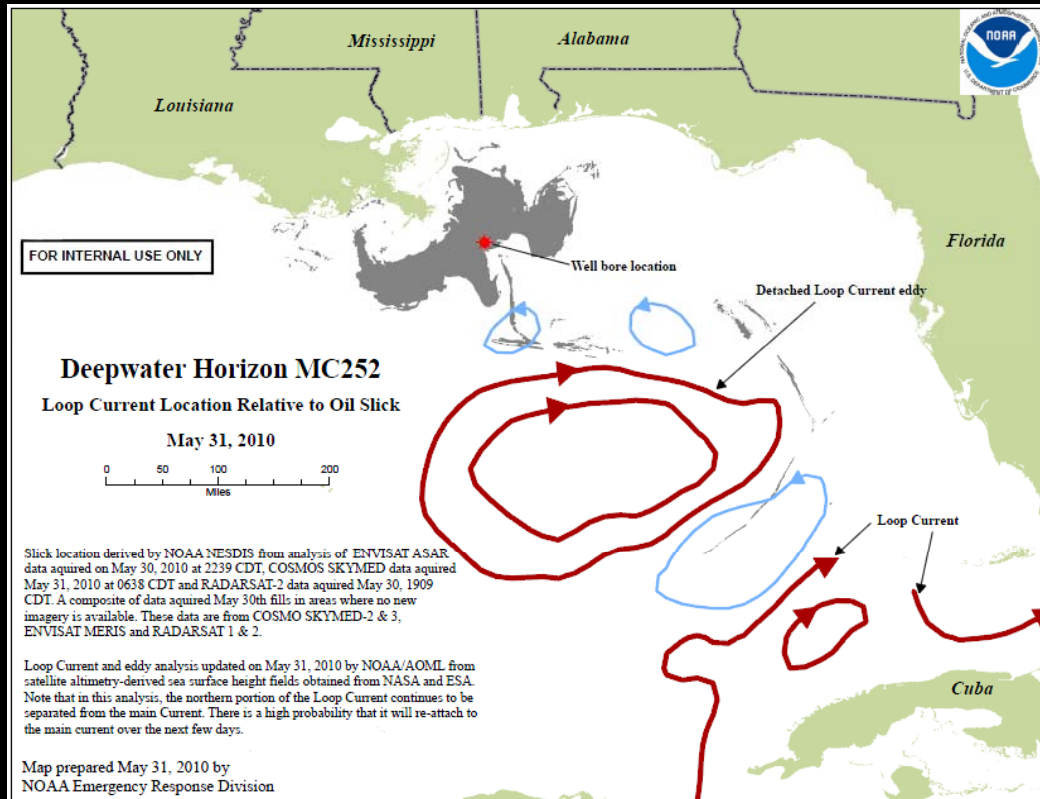
Challenges and Public Concern

Surface

– Fate and Effect of oil on surface

– Movement of oil by wind and current

– LOOP Current



Challenges and Public Concern

Surface

Hurricanes



Ecosystem impact of oil as well as removal

- Mechanical
- In Situ burns
- Surface Dispersants



Challenges and Public Concern

Shoreline

- Protection strategies
- SCAT Teams
- Different types of Shoreline Clean Up

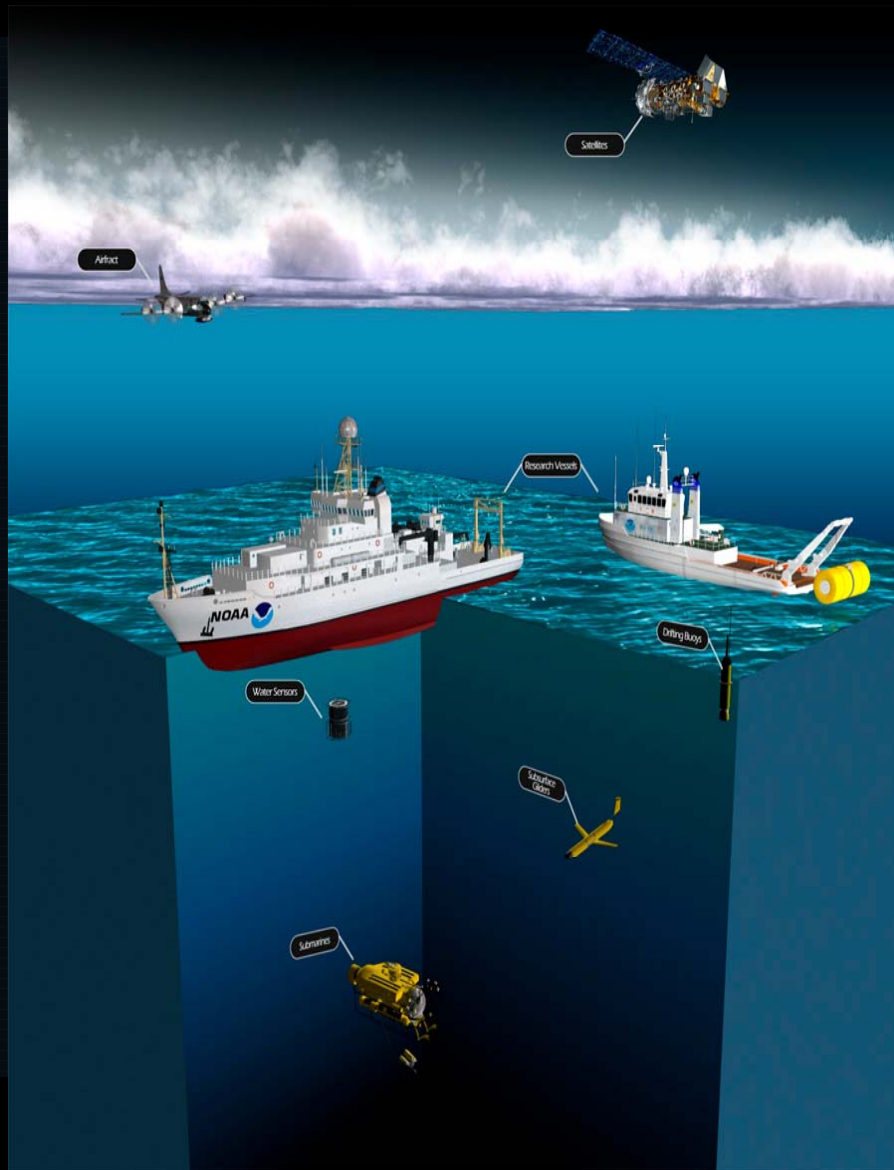


Issues Looking Forward

➤ Planning and Preparedness for offshore E&P (Exploration and Production)

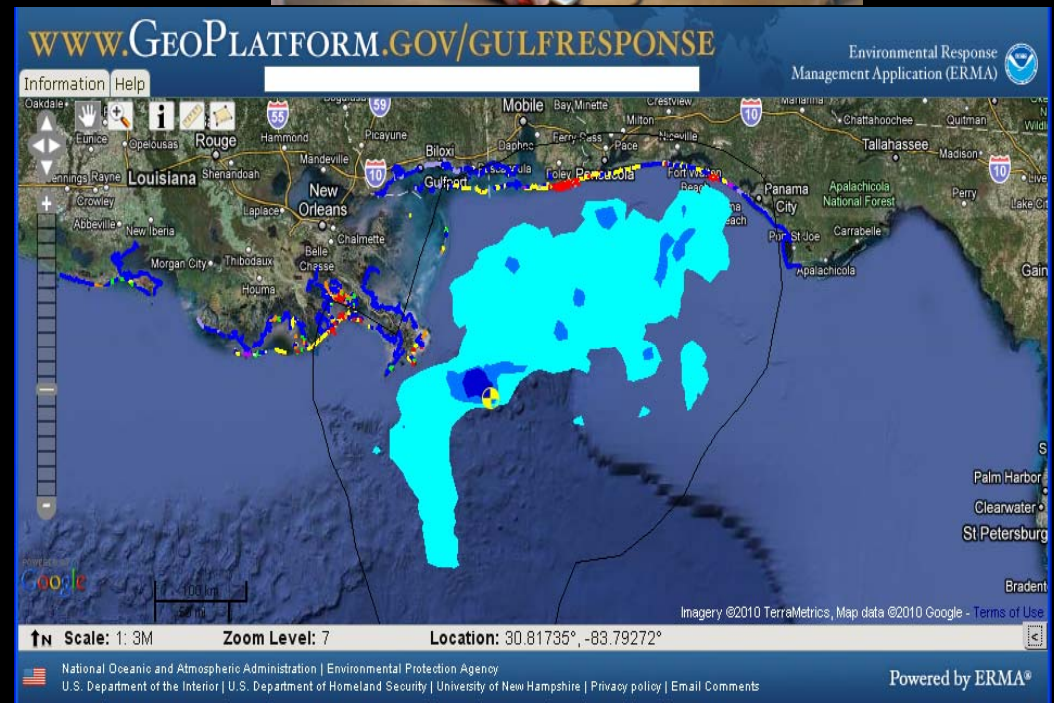
➤ Containment and underwater countermeasures

➤ Fate – Effect better science and modeling



Issues Looking Forward

- Seafood safety
- Fisheries closures/Wildlife impacts
- Research and Development
- Social Media





Questions?