

DEEPWATER HORIZON RESPONSE



CABINET BRIEFING
MAY 11, 2010

Background

- On Tuesday, April 20, an explosion occurred on a deepwater drilling platform located approximately 50 miles southeast of Venice, Louisiana.
- The platform caught fire and sank two days later, with an estimated 11 workers unaccounted for.

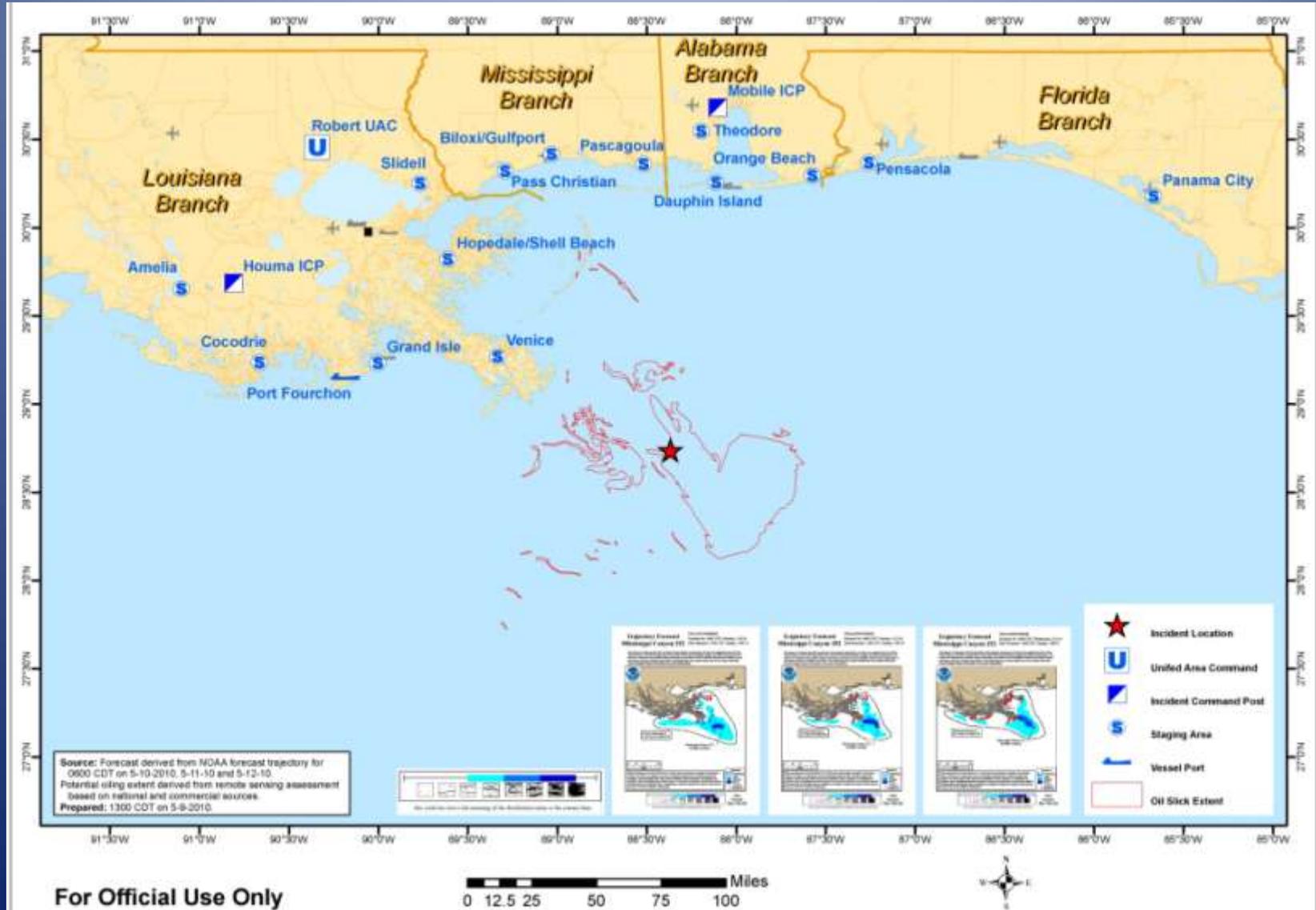


Background

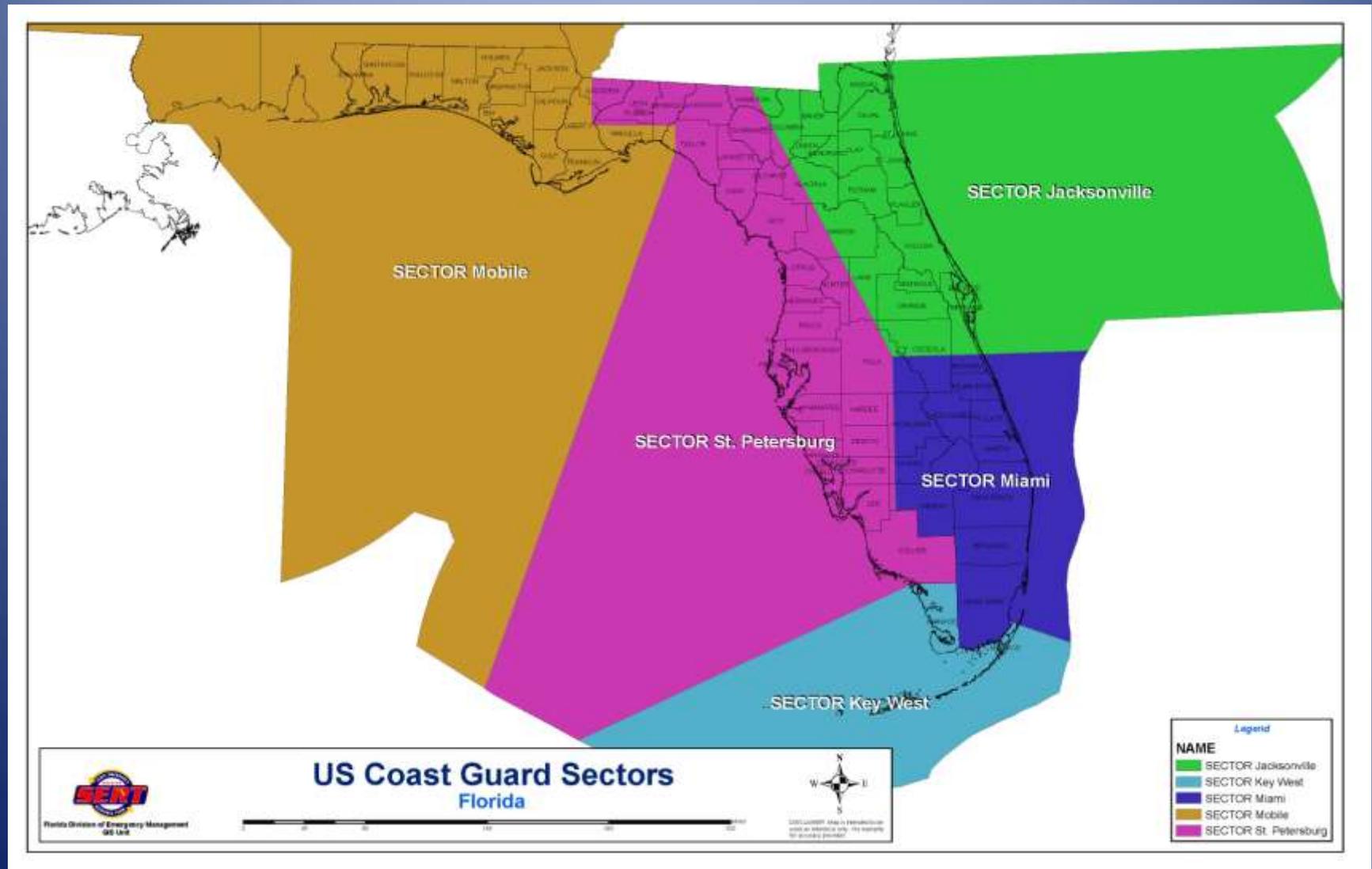
- On Saturday, April 24, it was discovered that the well that fed the rig was leaking oil.
- Currently discharging an estimated 5,000 barrels (210,000 gallons) per day.
- As a result of the Oil Pollution Act of 1990, during oil spill events, the party responsible for the spill is also responsible for the cost of cleanup.
- The U.S. Coast Guard has oversight authority of spill response activities.



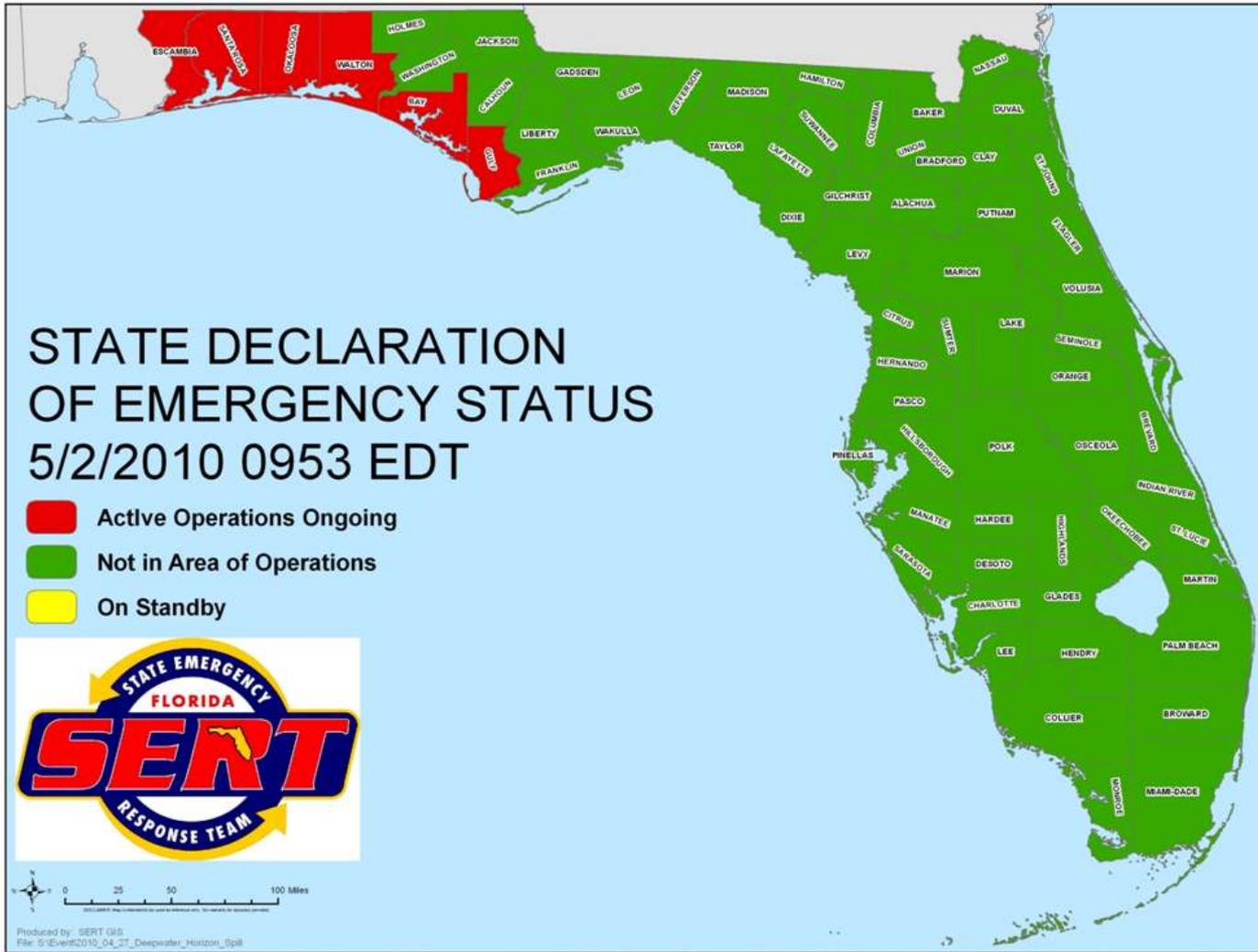
Command & Staging Locations



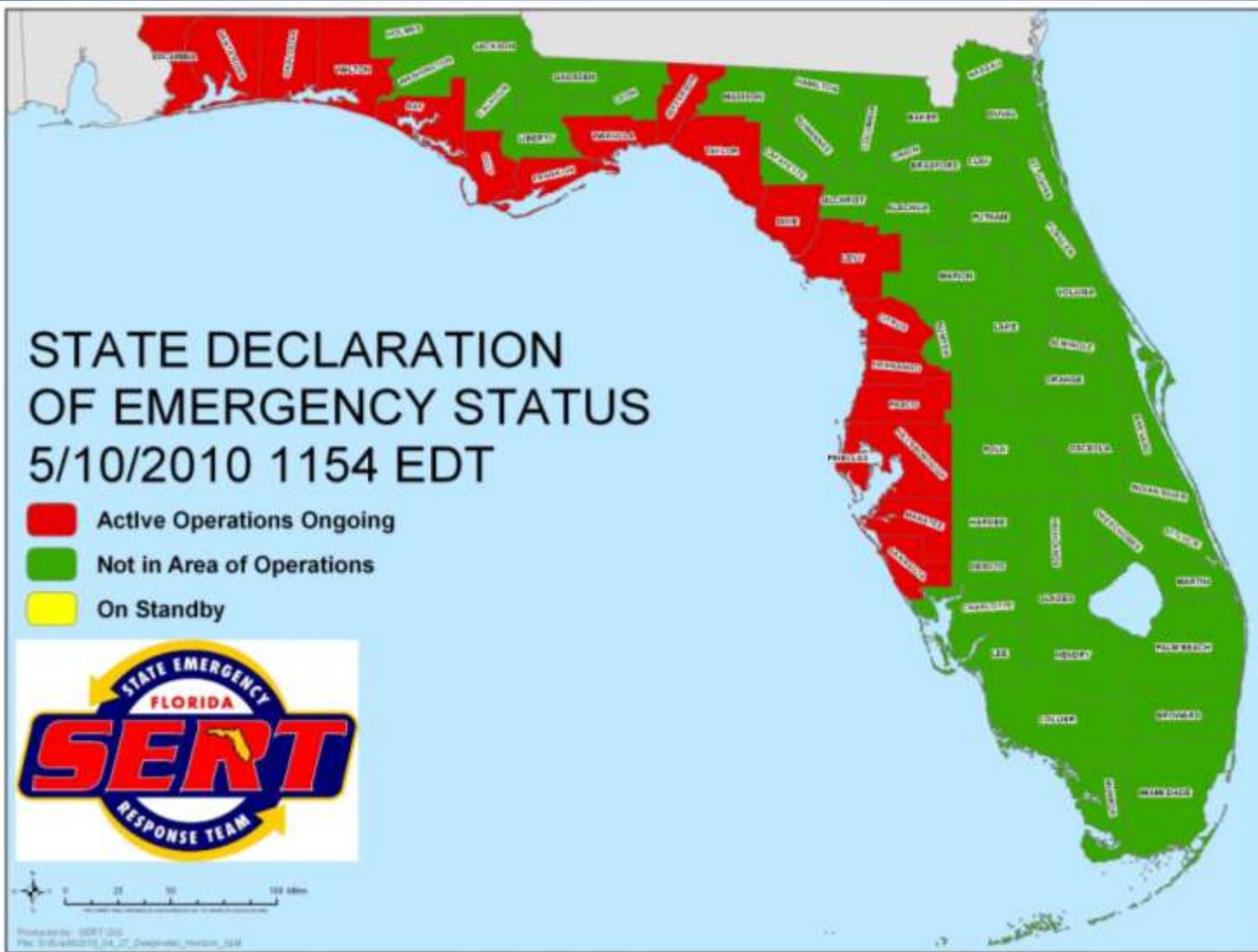
Coast Guard Incident Command

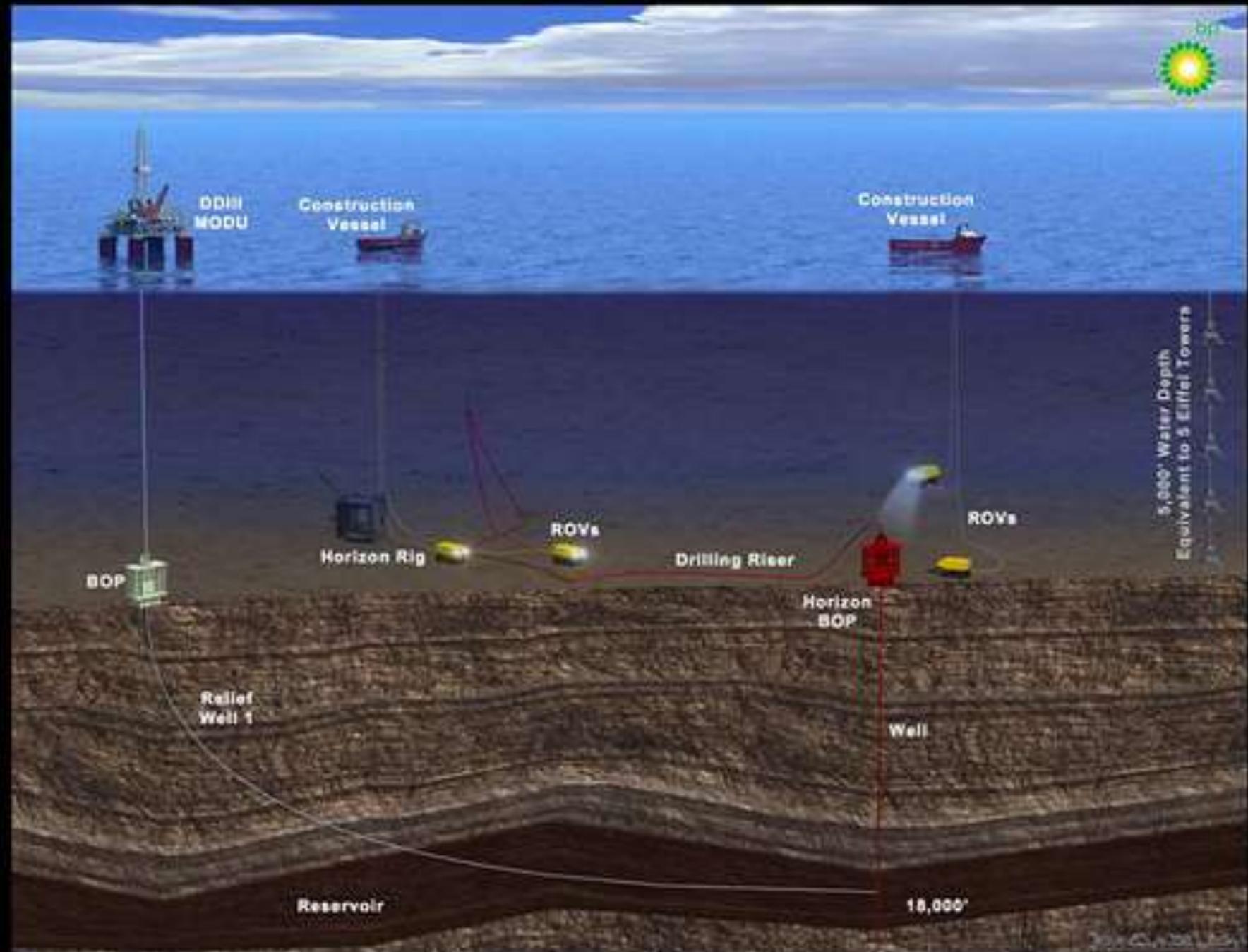


April 30th Executive Order



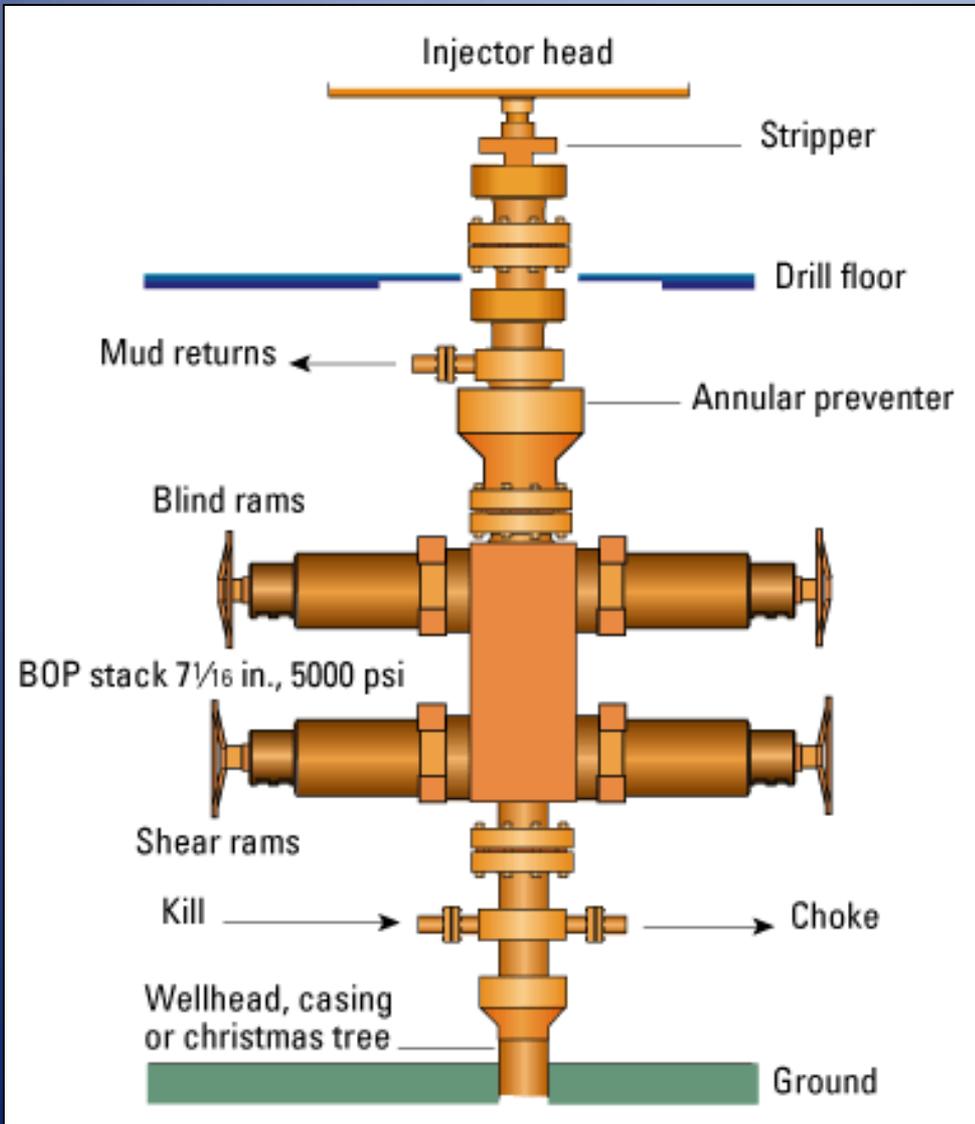
May 3rd Executive Order



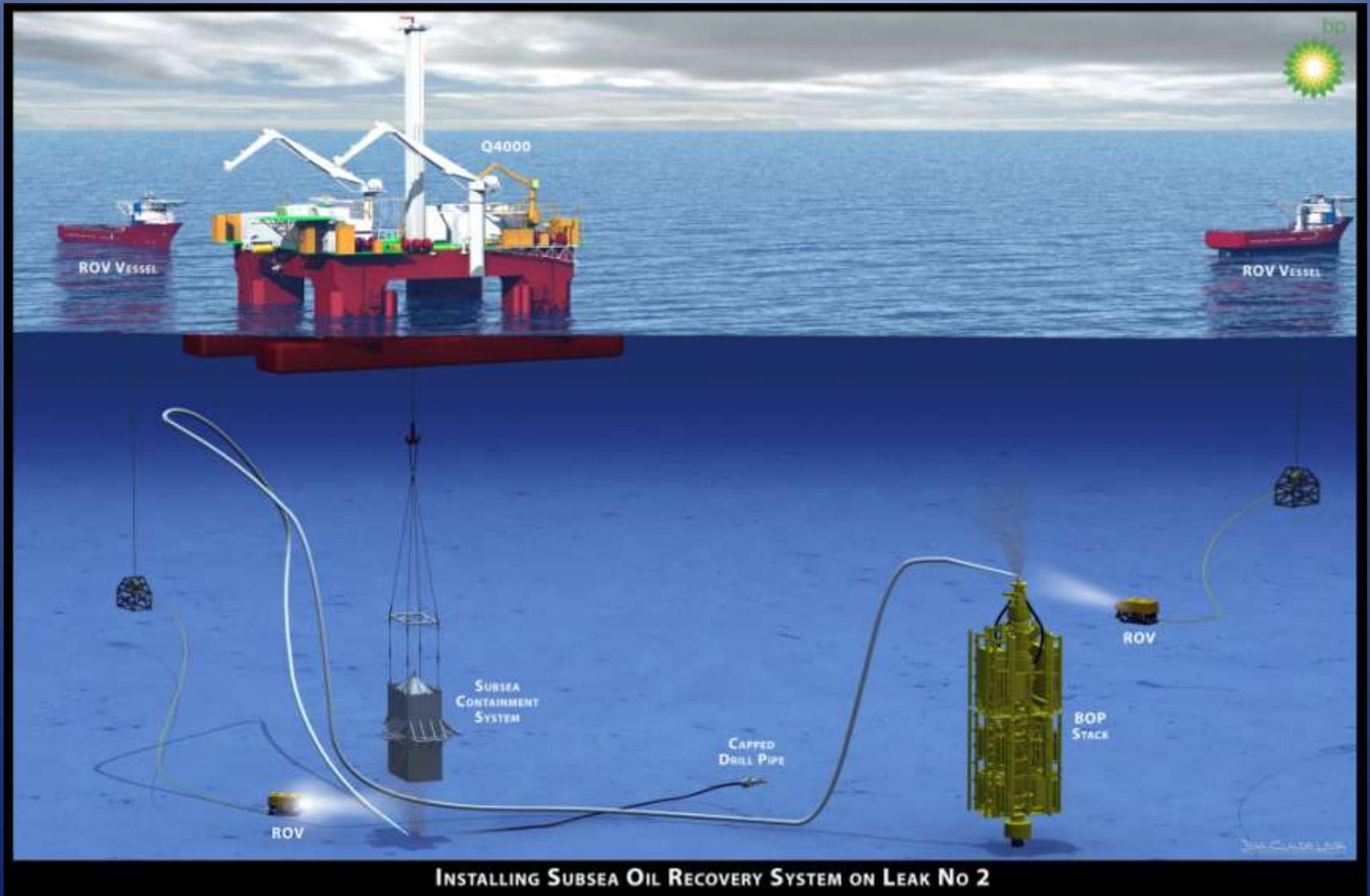


HORIZON RESPONSE CURRENT STATE

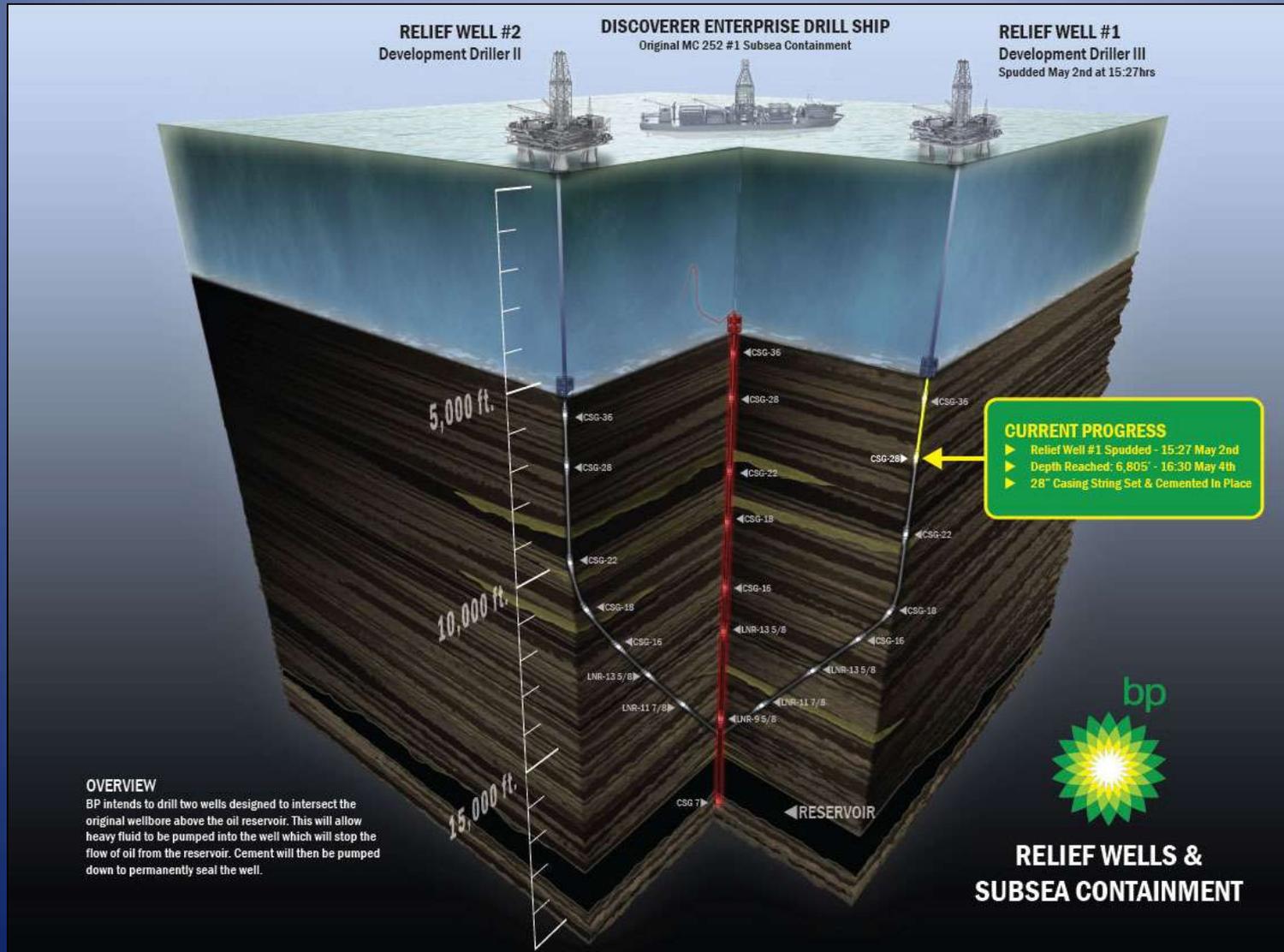
Blowout Preventer



Cofferdam Containment Dome



Relief Well Graphic



24 Hour Trajectory

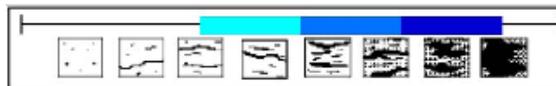
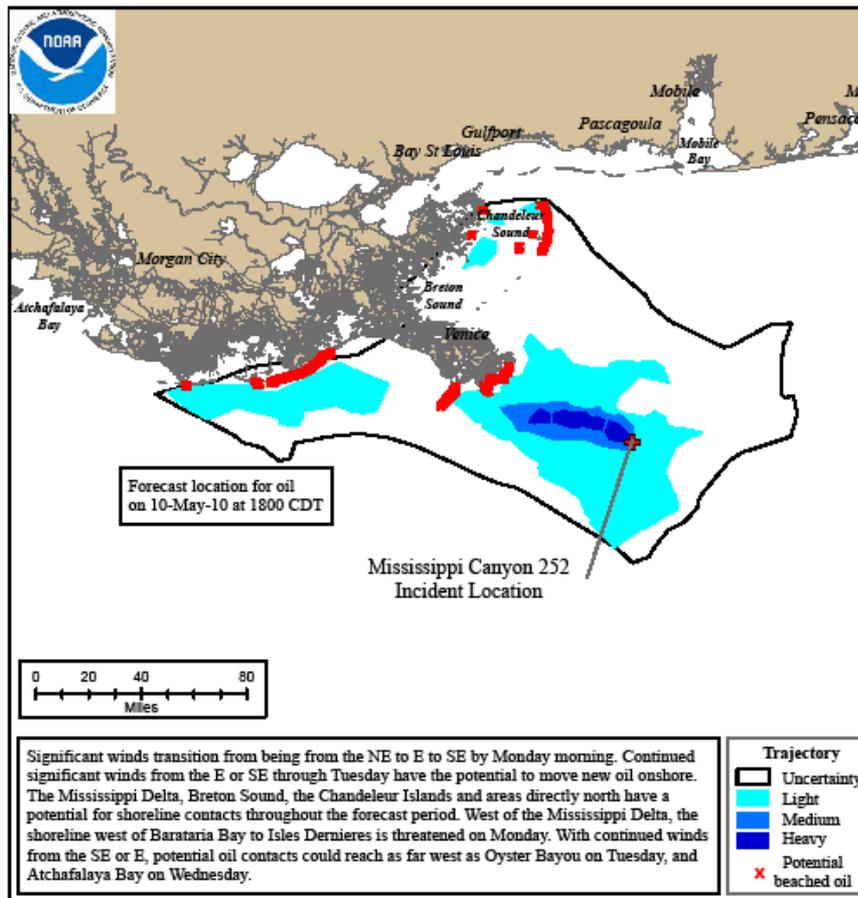
Trajectory Forecast Mississippi Canyon 252

NOAA/NOS/OR&R

Estimate for: 1800 CDT, Monday, 5/10/10

Date Prepared: 2100 CDT, Sunday, 5/09/10

This forecast is based on the NWS spot forecast from Sunday, May 9th PM. Currents were obtained from the NOAA Gulf of Mexico, West Florida Shelf/USF, Texas A&M/TGLO, and NAVO/NRL models and HFR measurements. The model was initialized from Sunday satellite imagery and analysis provided by NOAA/NESDIS, and Saturday/Sunday overflight observations. The leading edge may contain tarballs that are not readily observable from the imagery (hence not included in the model initialization). Oil near bay inlets could be brought into that bay by local tidal currents.



this scale bar shows the meaning of the distribution terms at the current time

Next Forecast:
May 10th PM

48 Hour Trajectory

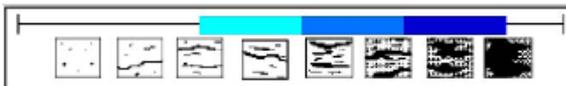
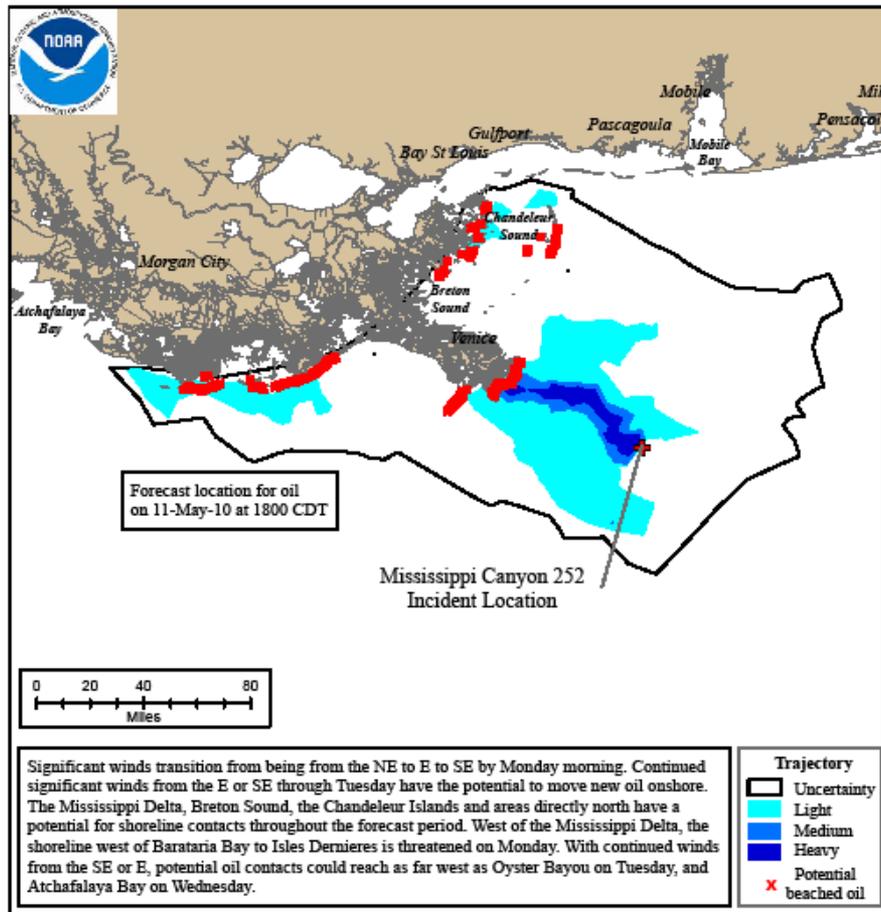
Trajectory Forecast Mississippi Canyon 252

NOAA/NOS/OR&R

Estimate for: 1800 CDT, Tuesday, 5/11/10

Date Prepared: 2100 CDT, Sunday, 5/09/10

This forecast is based on the NWS spot forecast from Sunday, May 9th PM. Currents were obtained from the NOAA Gulf of Mexico, West Florida Shelf/USF, Texas A&M/TGLO, and NAVO/NRL models and HFR measurements. The model was initialized from Sunday satellite imagery and analysis provided by NOAA/NESDIS, and Saturday/Sunday overflight observations. The leading edge may contain tarballs that are not readily observable from the imagery (hence not included in the model initialization). Oil near bay inlets could be brought into that bay by local tidal currents.



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Next Forecast:
May 10th PM

72 Hour Trajectory

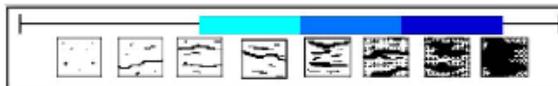
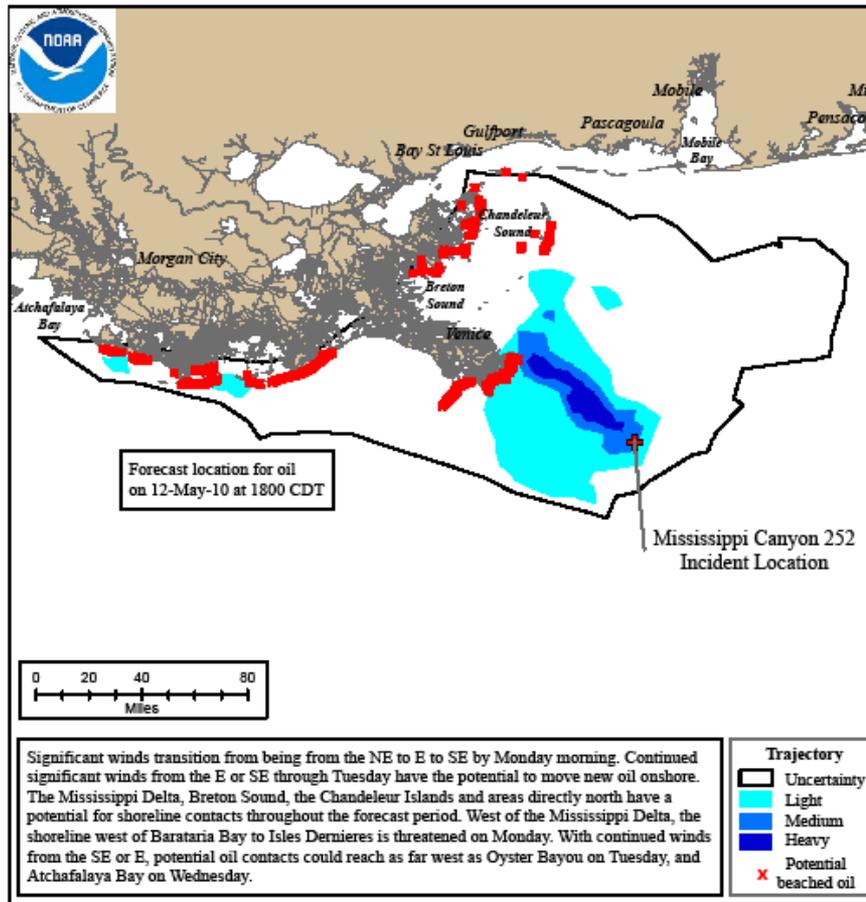
Trajectory Forecast Mississippi Canyon 252

NOAA/NOS/OR&R

Estimate for: 1800 CDT, Wednesday, 5/12/10

Date Prepared: 2100 CDT, Sunday, 5/09/10

This forecast is based on the NWS spot forecast from Sunday, May 9th PM. Currents were obtained from the NOAA Gulf of Mexico, West Florida Shelf/USF, Texas A&M/TGLO, and NAVO/NRL models and HFR measurements. The model was initialized from Sunday satellite imagery and analysis provided by NOAA/NESDIS, and Saturday/Sunday overflight observations. The leading edge may contain tarballs that are not readily observable from the imagery (hence not included in the model initialization). Oil near bay inlets could be brought into that bay by local tidal currents.



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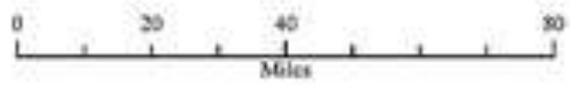
Next Forecast:
May 10th PM

Prepared Wednesday, April 28, 2010



Shoreline Impact Outlook

This map delineates potential shoreline impacts beginning Thursday, April 29th until Monday, May 3rd. Scattered tarballs which are not observable from overflights may impact shorelines ahead of the indicated dates. Shoreline impacts beyond Monday cannot be forecast at this time.



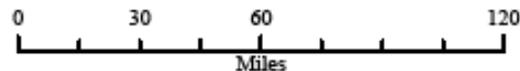


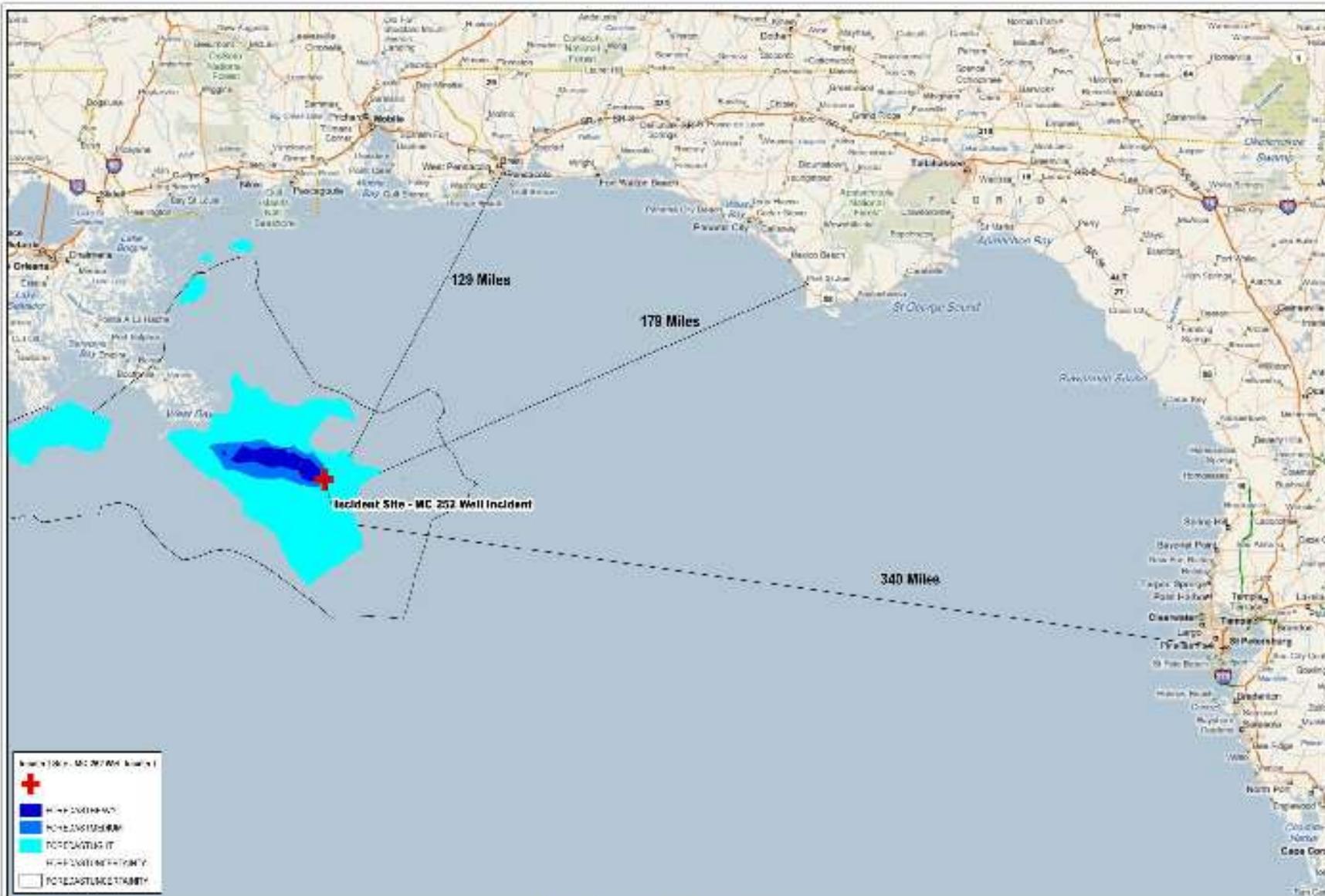
Shoreline Impact Outlook

Prepared Sunday, May 9, 2010

This map delineates threatened shorelines for the period of May 10-14. Winds are forecast to have a Northerly component on Sunday and East to Southeast component into this coming week. Because of the continuous leak at the source, there is potential to impact areas multiple times. Scattered tarballs which are not observable from overflight may impact shorelines ahead of the indicated dates. Forecasting beyond three days has greater uncertainty as to potential impacts.

FOR INTERNAL USE ONLY





BP
 Deepwater Horizon
 Mississippi Canyon 252



0 10 20 30 40 Miles

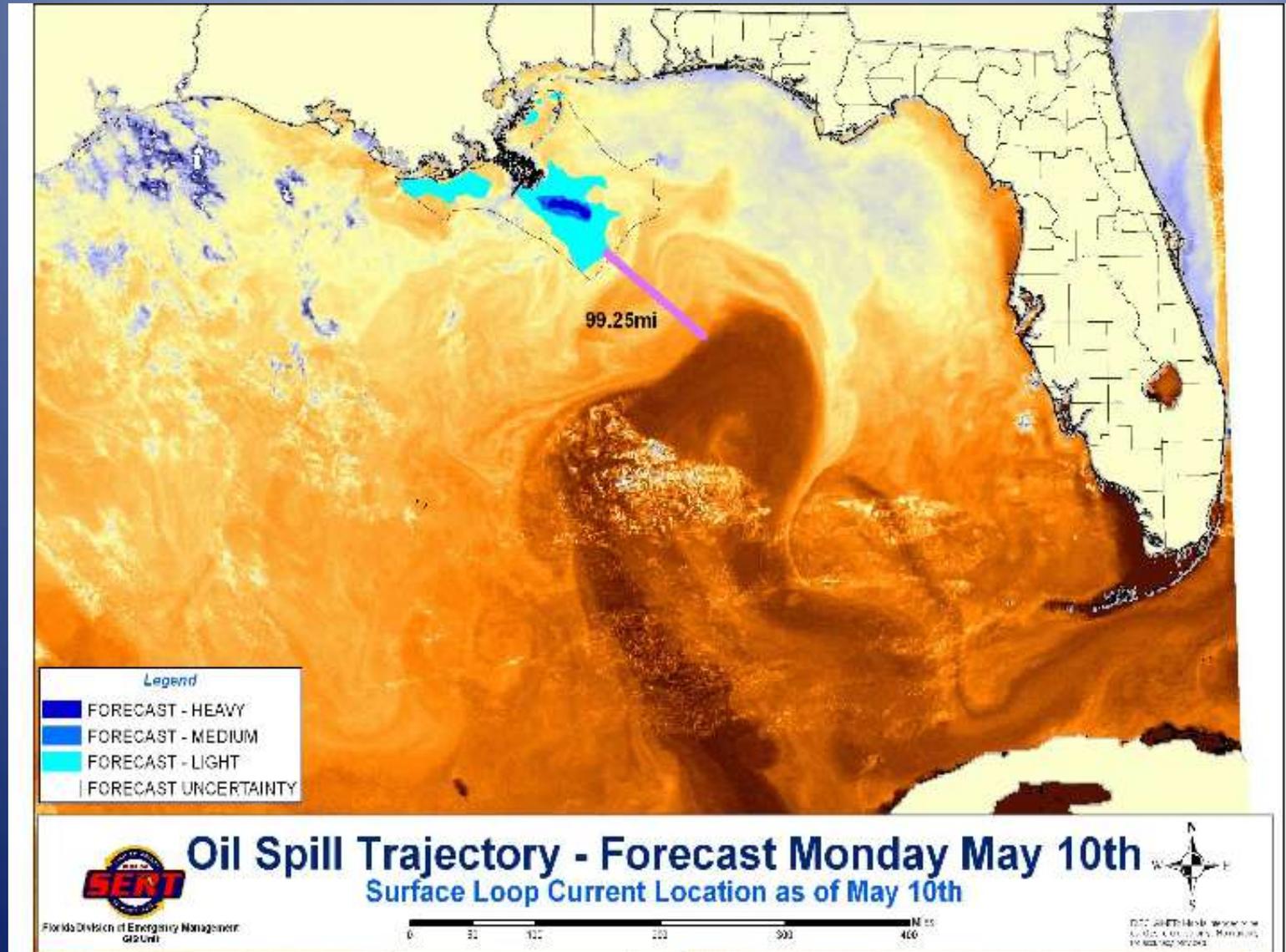
Scale in Kilometers: 0 10 20 30 40 Miles

Deepwater Horizon

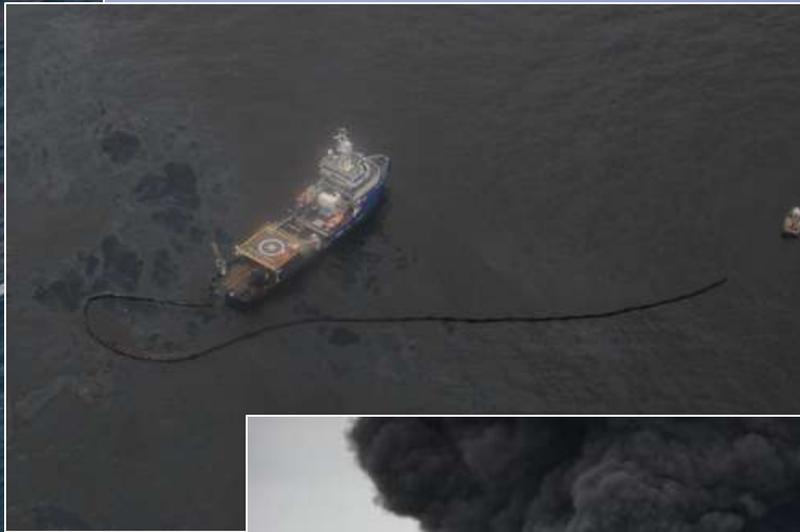
Mississippi Canyon 252

May 10, 2010

Loop Current



Removal Strategies



Weathered Oil & Tar Balls



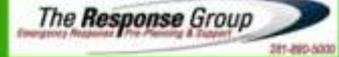
Weathered Oil

- When crude oil is released in the environment, its composition changes as a result of “weathering” – exposure to the water and sun.
- Evaporation is one of the more significant weathering processes.
 - Occurs mainly during the first 24-48 hours after release and it greatly reduces the amount of the lighter components of crude oil.
- Some crude oils may lose up to 40 percent of their volume due to evaporation in the first few days after a release.
- The composition of any released material remaining in the affected area is substantially different from the originally-released crude oil.

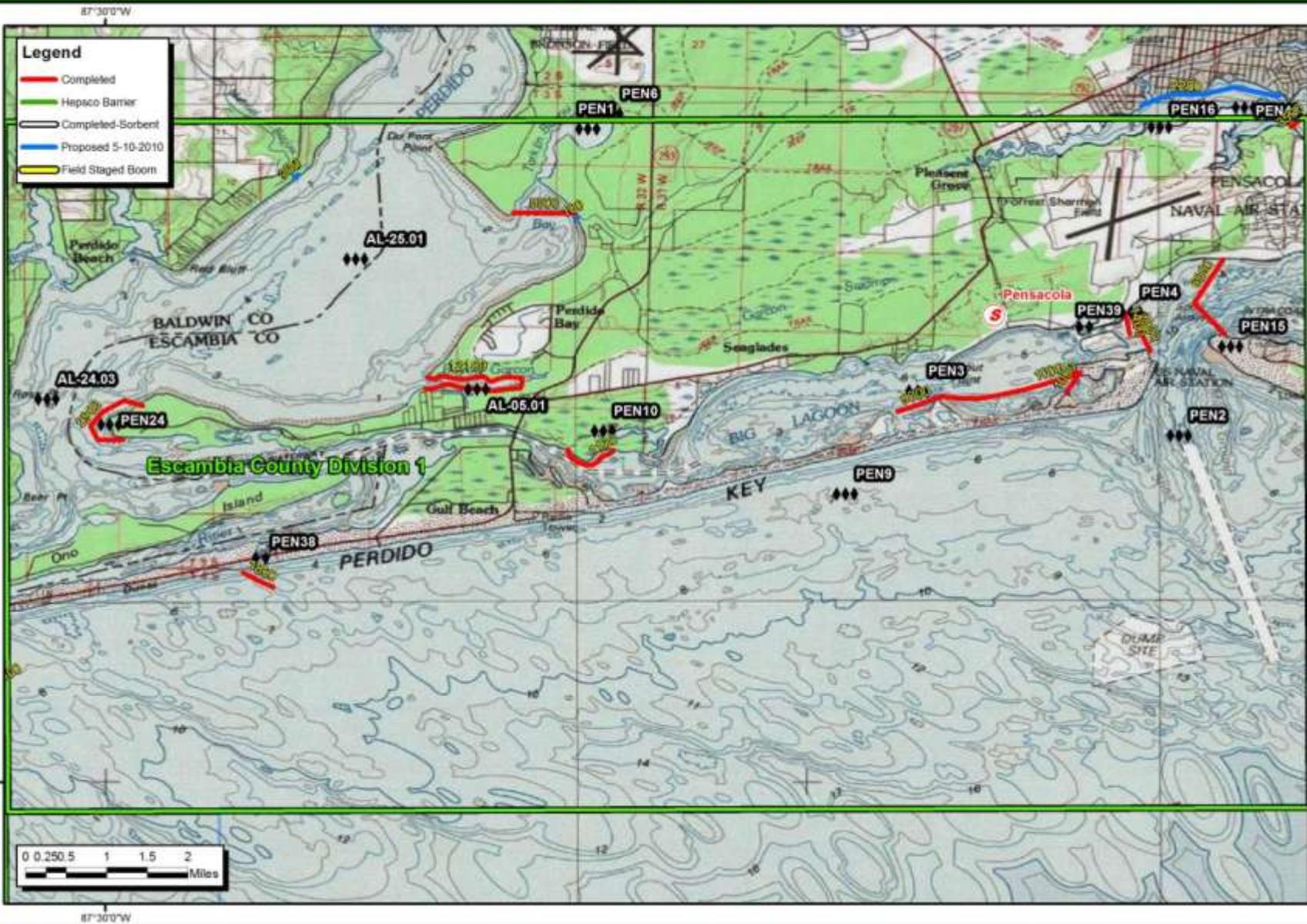




Deepwater Horizon Florida Division Overview Map



Deepwater Horizon
Escambia County Division 1
May 09, 2010 18:00



\$25-million Block Grant from BP

- Use the block grant to take proactive measures to help prevent impacts.
- Guiding principles :
 - Consistent with spirit of Oil Pollution Act of 1990 to protect the coastal zone (to include shoreline, near shore, state waters and subsea zones).
 - Coordinated and facilitated for an effective response to protect the sensitive marine environments.
 - The funding will provide local governments the ability to protect areas not included in the Area Contingency Plan that they believe to have local significance.
 - Deliver preparation, mitigation, response and recovery efforts to effect the outcomes of this event on the marine environment.



Fish & Wildlife



- Currently, there are no impacts on Florida's fish and wildlife.
- FWC is working closely with partner agencies and conservation organizations.
- Approximately 70 FWC staff are involved in a variety of oil spill response-related activities.
- Oiled birds, reptiles and other wildlife will be handled by Tri-State Bird Rescue & Research in coordination with FWC.
- FWC biologists have been deployed to Mobile, Ala., and the Florida Panhandle area to provide expertise in marine fish, sea turtles, shorebirds and other wildlife.
- The FWC's regional offices are inventorying equipment available for the response, so they can quickly mobilize when needed.



Outreach

- www.dep.state.fl.us/deepwaterhorizon
- More than 1,300 people signed up for email alerts
- All information posted on site from Florida agencies and links to other response sites
- Comprehensive information sent out each day



Outreach & Coordination

- Integrated operation with State EOC
 - Dave Halstead, State Coordinating Officer
 - Experienced emergency management systems in place
 - Ongoing communication through county EOCs
- Coordination with federal, state and county officials and staff
 - Call with county EOCs every afternoon
 - Ongoing calls with legislators
 - Call with county commissioners under EO
- Several visits to potentially affected areas

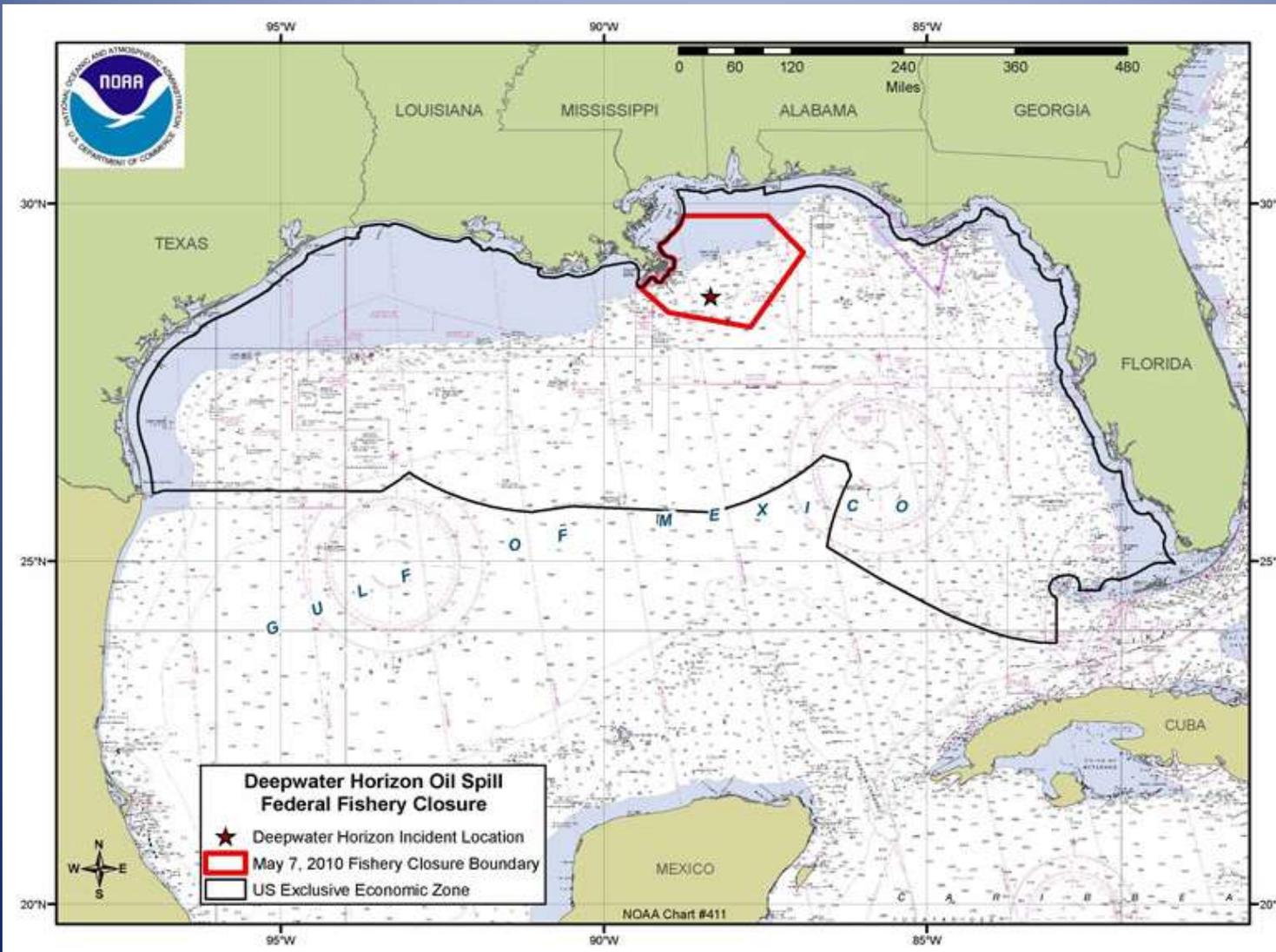


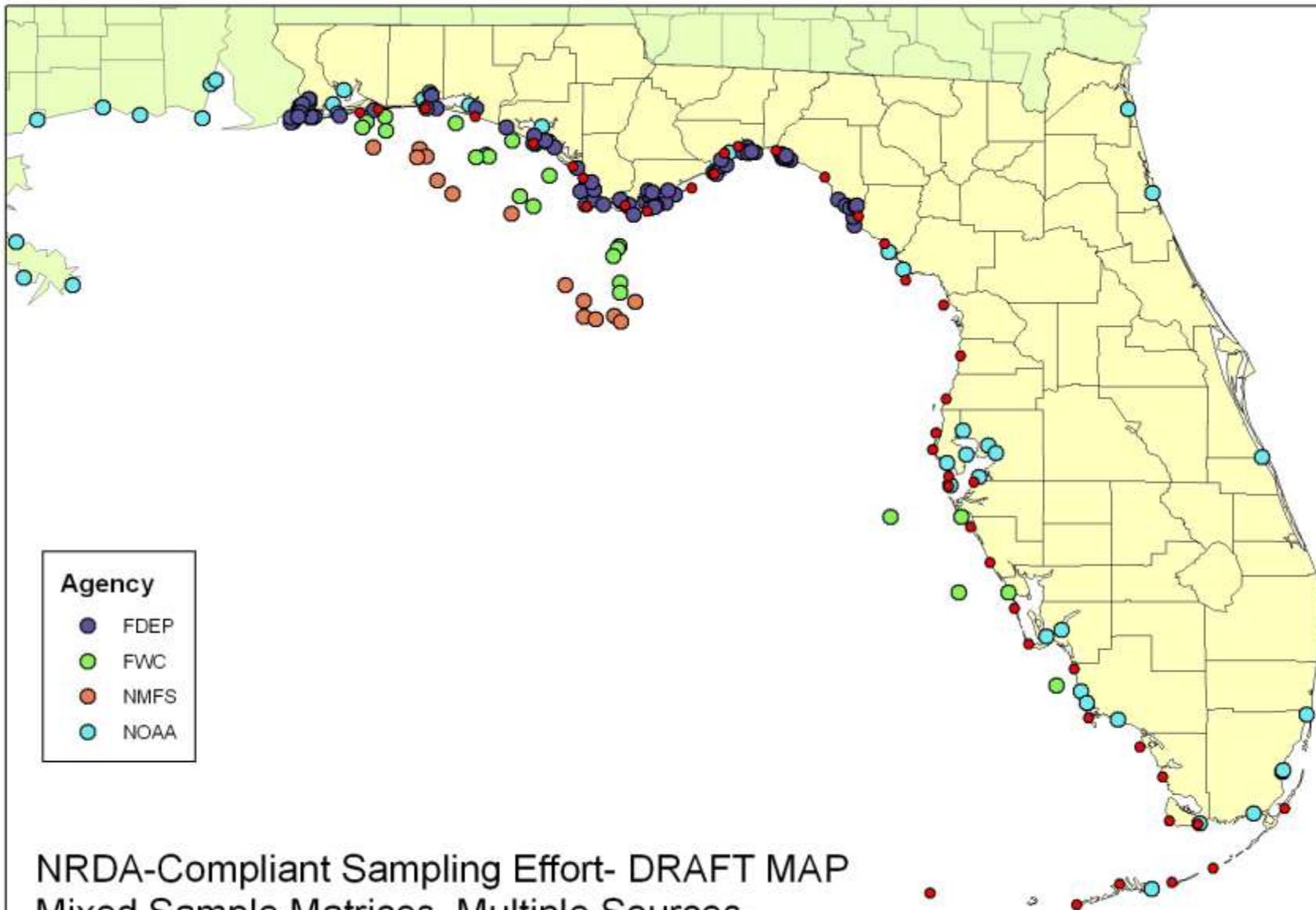
Economic Concerns

- Private Industry
 - Tourism: hotel/motel, fishing charter
 - Seafood
 - BP's claims process
 - Seven field adjusters
 - Setting up local claims offices this weekend
 - Over 500 claims submitted to date, \$77,000 paid
- Local Government
- State Government



NOAA Fisheries Closure





NRDA-Compliant Sampling Effort- DRAFT MAP
Mixed Sample Matrices, Multiple Sources-
09 May 2010 Red-BP/Entrix



Oil Spill Academic Task Force

- Brings together resources of Florida's academic institutions to assist the state of Florida and the Gulf region in preparing for and responding to the Deepwater Horizon oil spill.
- The task force consists of scientists and scholars working in collaboration with colleges from the State University System as well as private colleges.
- Answer questions such as:
 - What factors control movement of the discharged oil at the ocean surface and at depth?
 - How is the oil deteriorating?
 - What are the best remediation strategies for the type of oil that may impact Florida?
- Identify questions that should be asked and data that should be collected

<http://oilspill.fsu.edu/>

Volunteer Status

- The “Coast Watchers” program through Volunteer Florida identifies beaches that need attention and can help by:
 - Report injured or oiled animals to the Wildlife Distress Hotline: 1-866-557-1401.
 - Report oiled shoreline to: 1-866-448-5816.
 - Report a change in Air Quality to:
<http://www.epa.gov/bpspill/>.
- Citizens can learn about beach cleanups and other volunteer opportunities on www.VolunteerFlorida.org.



Volunteer Efforts

- ESF 15, Volunteers and Donations, successfully spearheaded pre-impact beach cleanups over the weekend of May 1-2.
 - More than 1,200 volunteers participated in cleanups in Escambia, Santa Rosa and Wakulla counties.
- BP has established a volunteer program and set up a toll-free number for those interested in volunteering.



QUESTIONS?