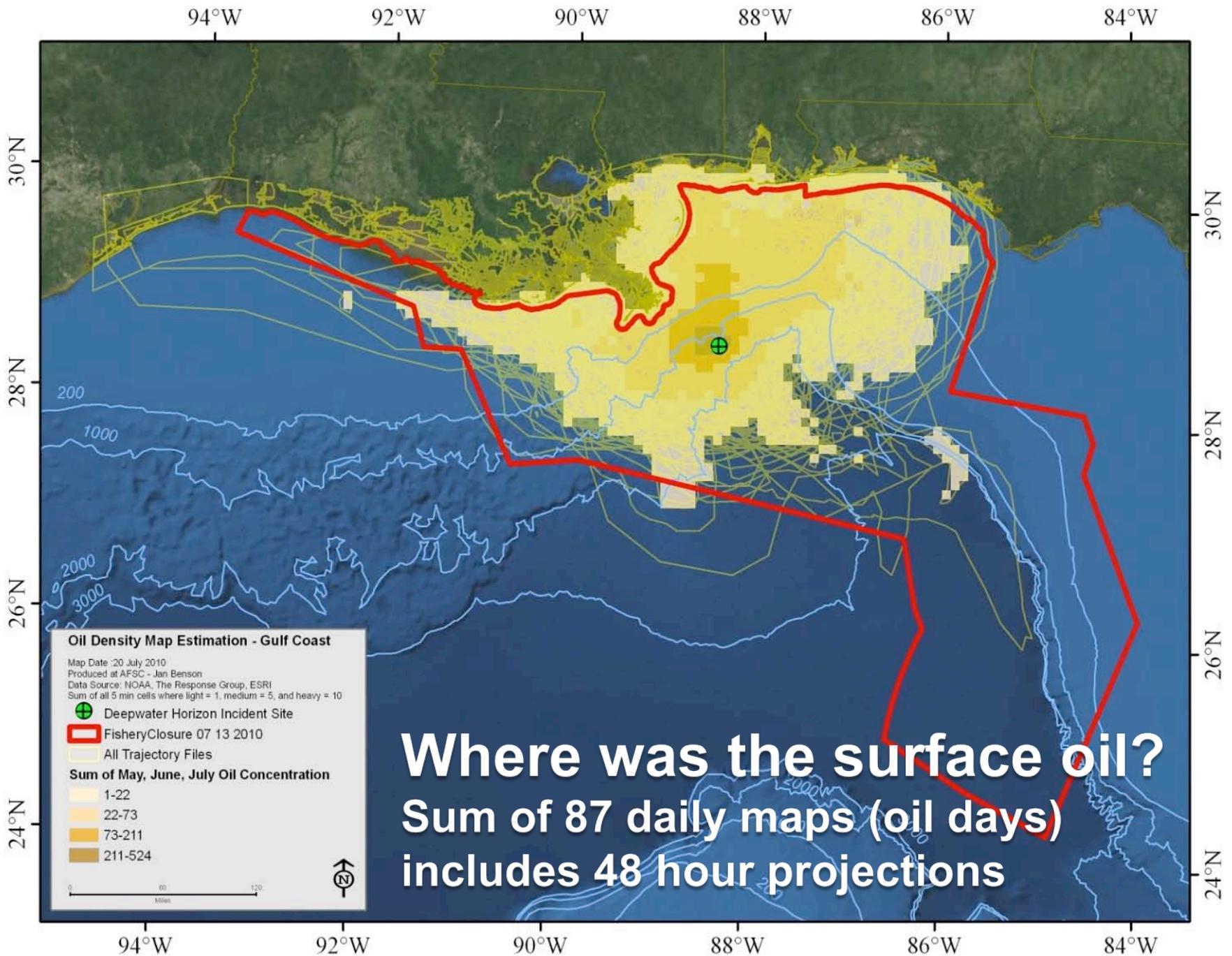


# Role of the JSOST.....

- Provide science support for implementing the President's National ocean Policy
- Coordinate among federal ocean scientists – priorities, programming and outcomes
- Interact with the wider academic-government-private research community to advocate for community science priorities
- Implement joint planning and programming around issues of common priority – use vehicles such as NOPP to combine funds
- Update the Ocean Research Priorities Plan (ORPP) to reflect emerging issues – *Science for an Ocean Nation*

## Some DWH Science Questions

- What is the distribution, fate and impacts of oil & dispersants (release, distribution and movement, and degradation)?
- How does the concentration and distribution of oil impact the safety of seafood, and abundance/mortality of marine species such as fishes, turtles, dolphins, whales, birds and low trophic levels?
- What is the timing of reduction of oil impacts following permanent well capping (how fast will it degrade?)
- How does the presence of 200 million of gallons of reduced oil impact the GoM Large Marine Ecosystem?
- What are the short- and long-term impacts on coastal ecosystems and human dimensions?
- How and when will natural resource damages be restored, and how will science guide the process?



**Where was the surface oil?**  
**Sum of 87 daily maps (oil days)**  
**includes 48 hour projections**

# Critical Science Collaborations

- Interagency groups under the authorities of the National Incident Command and Unified Area Command
  - Enhanced Sub-Surface Monitoring Plan, Seafood Safety Monitoring, etc.
- Enhanced scientific outreach and discussion sessions concerning sub-surface monitoring (multiple workshops)
- Continued dialog and conferences to share results
- Interest in a more permanent structure to facilitate agency/academic/private research collaborations (Gulf Science Council?)
- Continuing efforts to make information more available and usable by the public and scientists
- Linking Response, NRDA, Long-term Recovery Plan

# Long-term Ecosystems Effects: Science priorities (+Response & NRDA)

Scientific needs to assess the full impacts of DWH on Gulf of Mexico ecosystems:

- Plankton assessments
- Microbial-driven oil biodegradation rates
- Lab exposure studies of oil and dispersants
- Protected species (turtles, birds, & mammals)
- Fisheries abundance and distribution
- Wetlands impacts & nursery areas





# Planning for the next event.....

- Understanding the lessons learned from DWH (what worked well....not so well?) open discussion encouraged
- What mechanisms need to be put in place should an event of similar scale occur?
- What are the opportunities to develop a long term research strategy that comports with the variety of emerging drivers (BP's funding, Restoration Plan, NRDA restoration efforts, federal agency opportunities, community interest
- What conferences, meetings and planning sessions should we conduct?