

The title "NOAA Update" is displayed in large, white, sans-serif font, centered over a collage of images. The collage includes a snowy coastline with boats, a rocky shore with a person, a ship emitting smoke, a person in a blue suit, and a large piece of driftwood.

**RRT Region 2
April 15, 2016**

The text "Steve Lehmann" and "Senior Scientific Support Coordinator" is overlaid on a collage of images. The collage includes a boat in the water, a person in a blue suit, and a Great Egret standing in a marshy area.

Senior Scientific Support Coordinator

Tony Penn

New Assessment & Restoration Division Chief



Dr. Robert Haddad (former Chief) becomes a NOAA Special Advisor

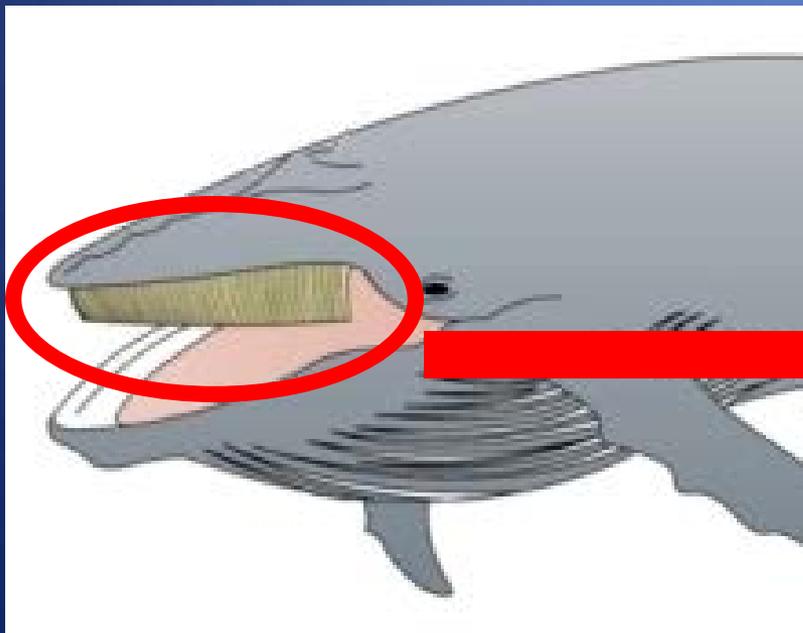
Baleen, Oil, and Dispersants Update

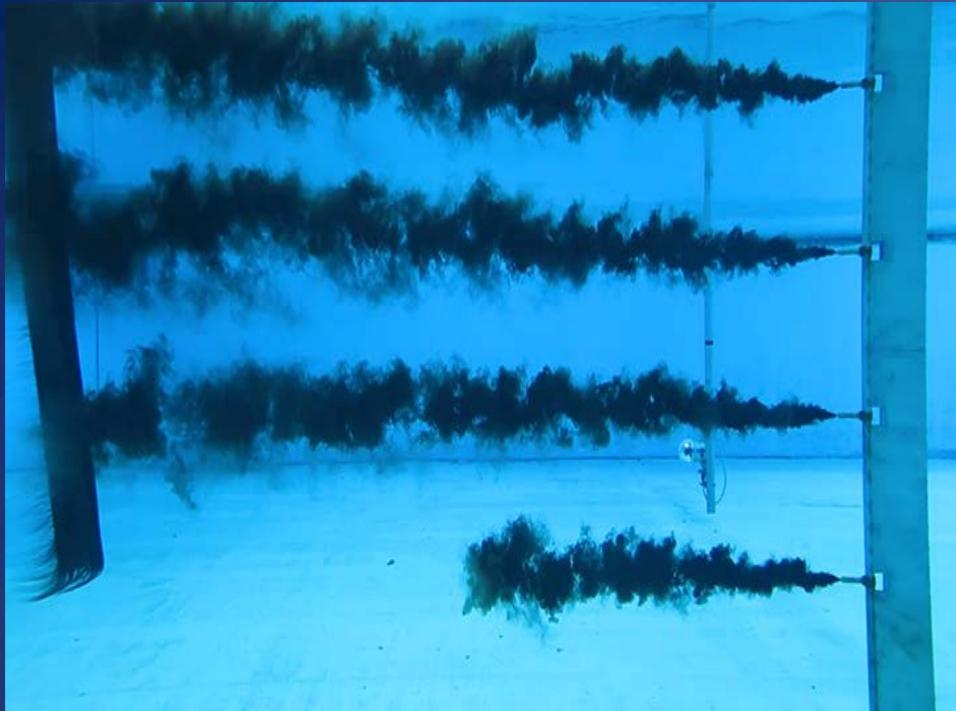
Background & Overview

What: An experiment to study effects of oil, dispersant, and dispersed oil on whale baleen function

Where: OHMSETT, September 28 - October 2; December 7 -11; January 4 - 8

Who: NOAA (Emergency Response, Protected Resources); North Slope Borough Wildlife Department; Woods Hole Oceanographic Institute; Hampden-Sydney College; BSEE; OSRL





Deepwater Horizon PDARP DIVER Data released Oct. 5th 2015



Draft Plan Proposes Framework for Restoring the Gulf

Based on Trustees' thorough assessment of the spill's impacts

Learn more

LOUISIANA COASTAL PLAIN

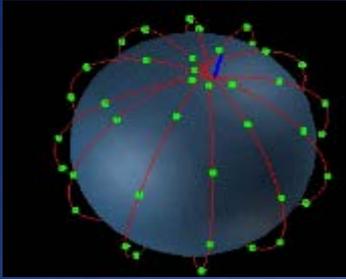
Baton Rouge New Orleans Tallahassee

Search the Deepwater Horizon NRDA Data

DIVER Explorer



Dr. Lisa DiPinto, NRDA Lead,



Oil Observing Tools Workshop

October 20-22, 2015

Mobile, AL

http://crrc.unh.edu/oil_observing

WORKSHOP GOALS

- *Identify any new developments in oil observing technologies useful for real-time (or near real-time) characterization of surface oil during response and assessment*
- *Identify merits and limitations of current technologies and their usefulness to emergency response mapping of oil and predicting oil surface transport and trajectory forecasts*
- *Focus on Applying Tools to Response and Assessment (Practical Applications, not Research)*
- *Identify specific needs and current limitations to supporting these missions (needs assessment)*

T/B ARGO Response

NOAA ERD Support to the FOSC



- NOAA provided almost 30
- **trajectory forecasts** for surface slicks and trajectory and observation coordination with Canada
- Data management support via **ERMA**
- Information, spill response plans, and data for **environmentally sensitive habitats** and species in the area.

GOMRI 2016: Tampa, FL



Joint Project Coordination with Academia



Dr. Chris Reddy



Ann Hayward Walker



Dr. Rick Gaines (Capt. Ret.)

Employing the CDC's "Team B" model
to engage and utilize academics
to everyone's benefit

On the Horizon (or here now)

- Bakkan (shale oil) Quick Response Guide: Available
- Oil Sands Products (Tar Sands) QRG: being developed
- NMFS Response Manual for Marine Mammals

<https://usresponserestoration.wordpress.com/>

NOAA'S RESPONSE AND RESTORATION BLOG

An inside look at the science of cleaning up and fixing the mess of marine pollution



- Who Pays for Oil Spills?
- CA Debris counts from Japan Tsunami
- Support to Apex KY spill
- Katrina response podcast
- Katrina debris
- Katrina marsh recovery
- Thanks OPA 90: Restoration
- More than EVOS produced OPA90
- Expanding floodplain for WA salmon
- River vs. Ocean Oil Spills
- Coastal Disaster Resilience
- Dec 2015 Science of Oil Spills
- Oil in non culture
- AF Fielding IUCN face & effects
- Restoration: Planting lost abalone in CA
- Orange Oil Is the New Black
- Refugio spill: seeps & legacy spill
- Reshaping WA industrial river
- Avoiding hurricane damage
- Open water oil spill cleanup methods
- Big Data to Restore the Gulf of Mexico

Questions?

Alaska Arctic Assessment and Restoration Division

Alaska beaches birds California
Canada Caribbean chemicals chemical
spills cleanup coasts
communications coral reefs
Deepwater Horizon/BP oil
spill Delaware River Disaster Response Center
ecology education
Emergency Response
Division (ERD) ERMA Exxon
Valdez oil spill fish fishing
geographic information systems
Great Lakes Gulf of Mexico Hawaii
hurricanes indigenous communities Japan
mapping marine debris
marine mammals marsh modeling National
Marine Sanctuaries natural disasters
Natural Resource
Damage Assessment
natural resources New
England New Jersey New York NOAA
ocean oil oil spills overights
Pacific Northwest Pacific Ocean
PCBs plastic pollution
preparedness research and
development response
restoration rivers safety
salmon science scientific
support ship groundings
shipwrecks software technology Texas
tsunami U.S. Coast Guard
volunteers Washington weather
wildlife World Oceans Day