Mississippi Canyon 252 Oil Spill, Gulf of Mexico

REOC Region 6 Update

Subject: **Region 6 Update # 2**
Mississippi Canyon 252 Oil Spill, Gulf of Mexico

Date: April 29, 2010

Reporting Period: April 28, 2010 1300 – April 29, 2010 1300

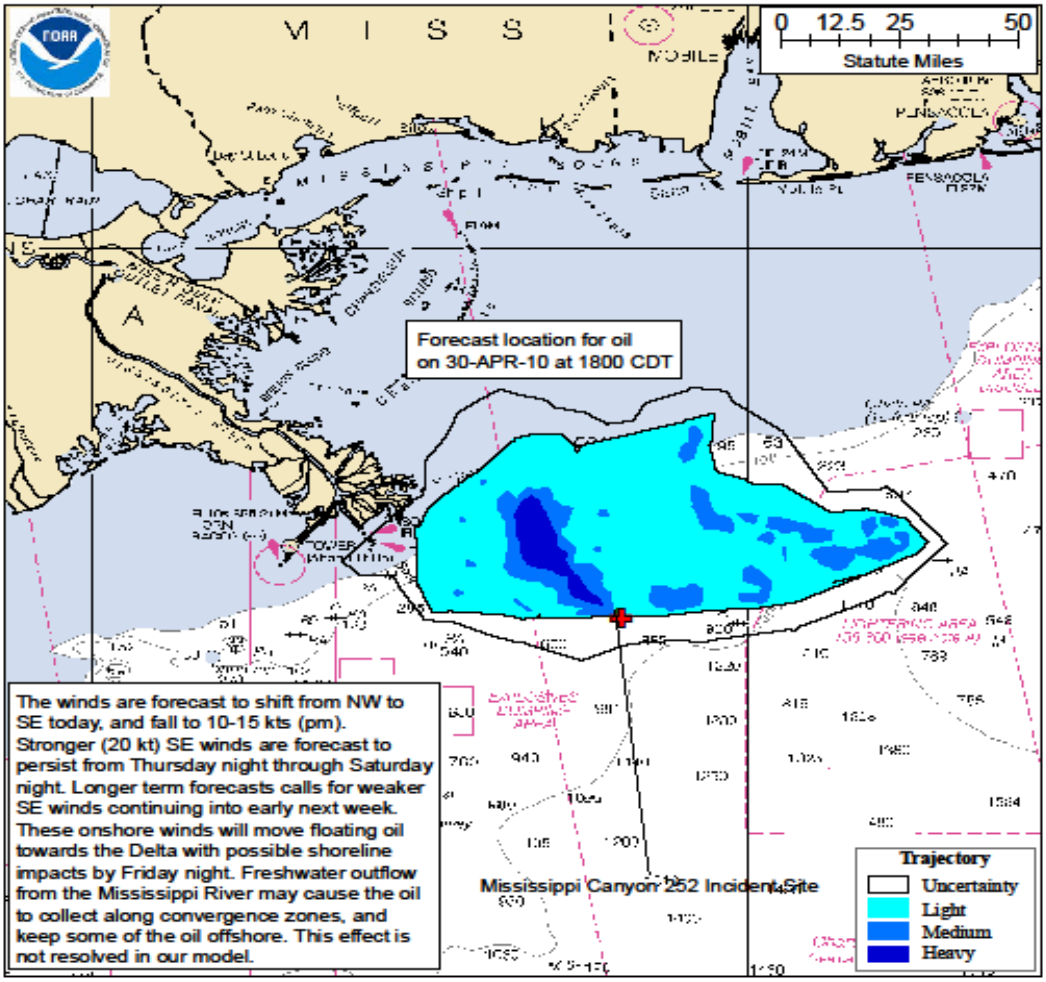
Situation Status:

- Oil spill trajectories

Mississippi Canyon 252

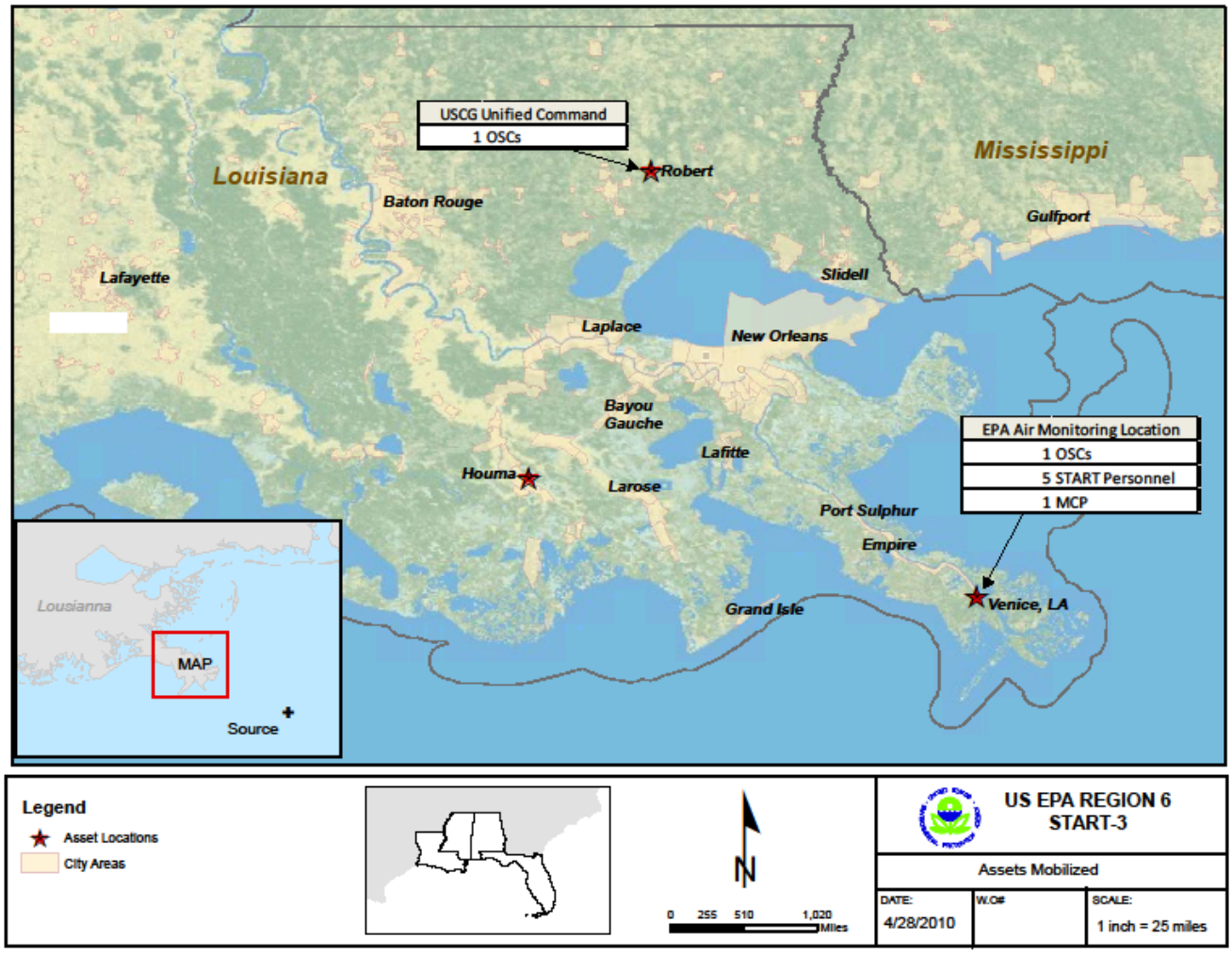
NOAA/NOS/ORR
Estimate for: 1800 CDT, Friday 4/30/10
Date Prepared: 0646 CDT, Wednesday 4/28/10

This forecast is based on NWS spot forecast from Tuesday, April 28 AM. Currents were obtained from the NOAA Gulf of Mexico model and Texas A&M/TGLO. The model was initialized from overflight data and satellite imagery and analysis provided by NOAA/NESDIS obtained the afternoon of April 27. The leading edge may contain tarballs that are not readily observable from the imagery (hence not included in the model initialization).



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

- Current Response Organization (ICS)



Current EPA Activities:

- EPA Region 6 is coordinating with LDEQ. LDEQ has agreed to increase sampling at their fixed monitoring sites and will begin deploying SUMMA canisters to collect daily VOC samples on 4/29.

- Air monitoring for particulates and VOCs began at 0800 yesterday(4/28) - See map for locations(last page)

    - V01 - 29.27425 N, 89.35406 W (monitored from 4/28, 0800 to 1600) discontinued at 1600 on 4/28
    - V02 - located at USCG - Venice - 29.25274 N., 89.35750 W (ongoing monitoring)
    - V03 - located at Welding Supply Co. in Boothville, LA - 29.31449 N, 89.38433 W (ongoing monitoring)
    - V04 - located at Fort Jackson - 29.35714 N., 89.45605 W (ongoing monitoring)

- Each location has 4 pieces of air equipment:
    - DataRAM - monitoring particulate matter
    - AreaRae - monitoring VOCs
    - PQ200 - samples for PM2.5
    - SUMMA Canisters per location - sample for VOCs

- Data from the air-monitoring equipment at V01 (DataRams and AreaRaes) 4/29 is downloaded and interpreted. Monitoring data from V02, V03, and V04 will be downloaded and interpreted daily

- Data from PQ200's and SUMMA canisters will be shipped today for laboratory analysis with 24 hour turnaround for analytical results.

- SUMMA Canisters include 3 grab samples for VOCs and three 8-hr samples for VOCs

- Preliminary air monitoring results from location V01

    - Max = 0.019 mg/m3
    - Average = 0.011825 mg/m3
    - Min = 0.008 mg/m3

- USCG requested that OSC Moore relocate from Area Command to the ICP in Houma, LA

- PM monitoring near the Louisiana coast northwest of the Mississippi Canyon oil spill indicate the smoke plume from April 28th test burn has not impacted this part of the coast. This is consistent with an off-shore breeze moving air from land over the Gulf. Monitoring continues as the fire may produce emissions that impact the coast with changing wind direction. The office of Air Quality Protocols and Standards is to verify there are no impacts from emissions.

- Amended the PFRA from $500K to $1 mil

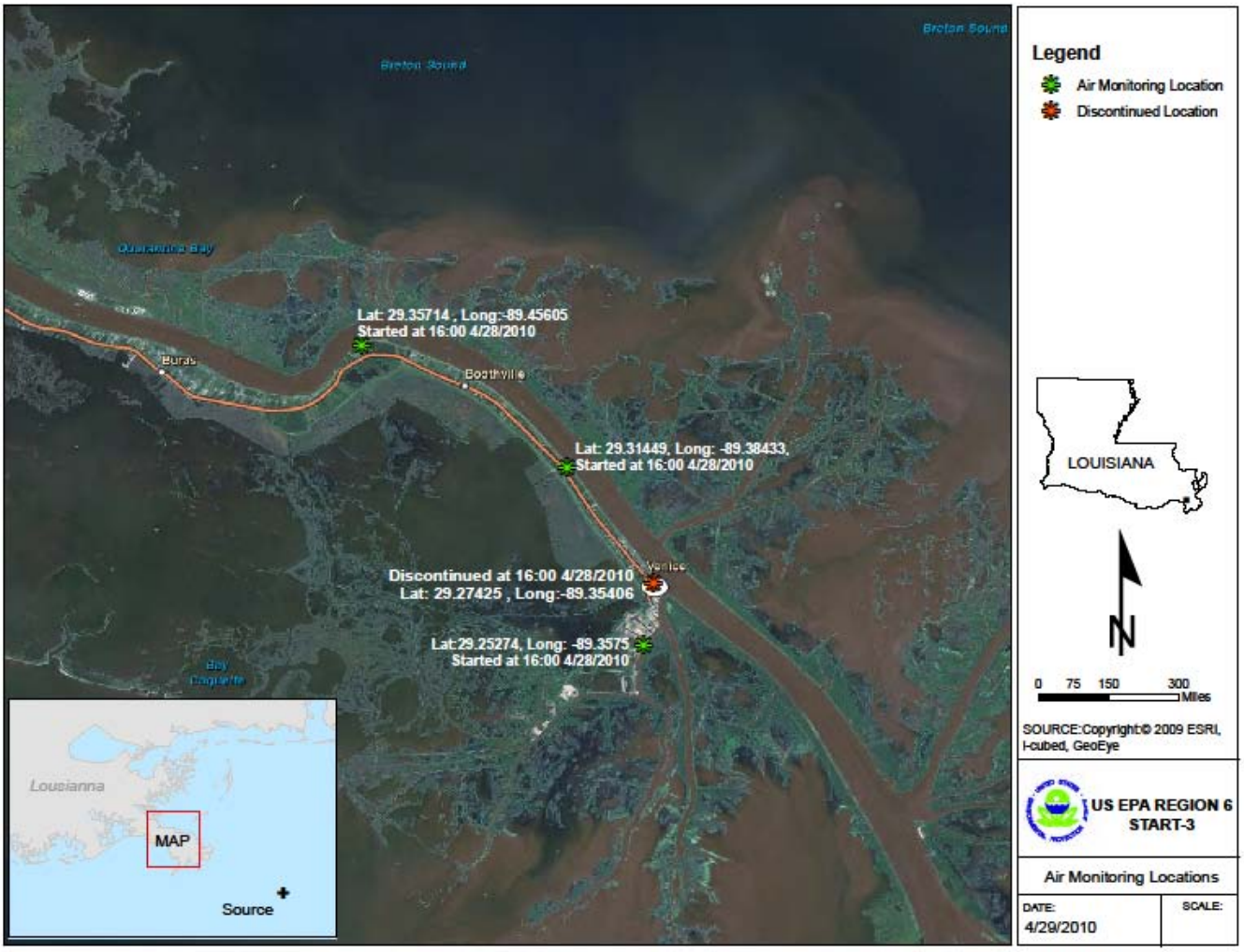
Potential EPA Activities if oil reaches shore

- EPA authorities and jurisdiction (CWA/OPA and NCP)
- Participation on SCATs (shoreline cleanup and assessment teams)
- Air monitoring/sampling (complaints of odors)
- Near shore countermeasures (Dispersants, Bioremediation, etc.)

Current EPA Assets

- Deployed to Venice, LA
  - 1 OSC
  - 5 START personnel
  - ASPECT Plane
  - 1 MCP
- Deployed to Robert, LA
  - 1 OSC
  - 1 PIO at JIC
- Activated in Dallas, TX
  - REOC is activated
  - RICT and SRICT activated
  - RRT activated
  - OSCs
  - RSC
  - START Personnel
- Future EPA deployments
  - Additional OSCs as needed
  - TAGA
  - START personnel

Daily Cost Estimates Report

	IA/Contract/Purchase/Spent	Est. Daily Burn Rate
Total Region 6	$ 142,364	$ 47,732

April 29, 2010 1400CST