# Deepwater Horizon Incident, Gulf of Mexico

# Region 6 REOC Update

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|---|---|
| **Subject:** | **Region 6 Update # 17**<br>**Deepwater Horizon Incident, Gulf of Mexico** |
| **Date:** | May 14, 2010 |
| **To:** | Incident Command |
| **Thru:** | Planning Section |
| **From:** | Situation Unit |
| **Operational Period:** | May 13, 2010 2401 – May 13, 2010 2400 |
| **Reporting Period:** | May 13, 2010 2401 – May 14, 2010 1300 |

## 1. Background

| | | | |
|---|---|---|---|
| **Site Name:** | Deepwater Horizon Incident | **FPN#:** | N10036 |
| **Mobilization Date:** | 4/27/2010 | **Start Date:** | 4/28/2010 |

## 2. Current Situation

- Incident Status Summary as reported by NOAA for 5/13:
    - Total response vessels: 526
    - Containment boom deployed: over 1.1 million feet
    - Containment boom available: over 300,000 feet
    - Sorbent boom deployed: over 320,000 feet
    - Sorbent boom available: over 850,000 feet
    - Boom deployed: over 1.4 million feet (regular plus sorbent and fire boom)
    - Boom available: over 1 million feet (regular plus sorbent and fire boom)
    - Oily water recovered: more than 5 million gallons
    - Dispersant used: over 475,000 gallons
    - Dispersant available: more than 215,000 gallons
    - Overall personnel responding: more than 13,000.

### 2.1 (USCG) Incident Command Post (Houma, LA)

- EPA received the sampling approach from ERT for air sampling to evaluate the air impact from dispersant application. Also coordinated with federal partners and RP contractors on sampling approach.

- ICS 213 for ERT sampling activities was signed off by Unified Command and submitted to the NPFC case officer for PRFA amendment.

- Participated on conference call with EPA HQ, Region 4, and Region 6 on waste management issues and continued coordination with BP waste representatives on the BP waste plan.

- Due to weather conditions and new dispersant application rules, no dispersants are expected to be applied for 5/14 and 5/15.

- SCAT ground teams confirmed reports of new oil found on lands in the area of Fourchon, LA.

- In response to report of fumes causing evacuation of manned platforms off of SE Pass on May 12th a map was prepared of the aerial dispersant spray showing the location, quantities and start/stop times. This graphic clearly indicated that aerial dispersant operations were 50 nautical miles from the subject platform and therefore were not the cause of the reported incident. Additionally, the US Air Force Reserve prepared a drift chart to show at a maximum crosswind of 30 knots the drift for a C-130 would only travel ½ mile. Dispersant spraying is always done into the wind which would reduce drift to much less than ½ mile. Aerial dispersant operations map attached.

- Vietnamese community Outreach Coordinator, Lisa Pham, completed translations for storage and transportation of recovered oil and booming tactics.

- EPA representative responded to inquiries from the White House Initiative on Asian American and Pacific Islanders regarding issues facing those Vietnamese fishermen in the Gulf Coast.

**2.2 (USCG) Area Command Post (Robert, LA)**

- The Area Command Environmental Unit leadership continues to coordinate overall strategies for monitoring subsurface dispersed oil plumes.

**2.3 Air Monitoring/Sampling**

- EPA continues to conduct air monitoring and sampling in Venice operations area (VOCs and Particulates):
    - Venice, LA - 29.25274 N, 89.35750 W - V02;
    - Boothville, LA - 29.31449 N, 89.38433 W - V03;
    - Fort Jackson, LA – 29.35699 N, 89.45487 W – V05.
- EPA continues to conduct air monitoring and sampling in Chalmette operations area (VOCs and Particulates):
    - Poydras, LA – 29.86609, -89.89108 – C02 - located at Fire Station number 8;
    - Chalmette, LA - 29.96082, -90.00132 - C04 – located at FireStation on Aycock St.
    - Hopedale, LA, - 29.84049, -89.68980 - C05 located at Fire Station number 11.
- Each air monitoring location has 5 pieces of air equipment:
    - DataRAM - monitoring particulate matter PM10 (Serve as back-ups to EBAMs);
    - EBAM (Particulate Monitors)-equipment will replace DataRAM's;
    - AreaRae/MultiRae - monitoring VOCs;
    - PQ200 - samples for PM2.5;
    - SUMMA Canisters per location - sample for VOCs.
- All air monitoring/sampling stations are monitored throughout the day (24 hours) for immediate reporting of any elevated VOC or particulate levels. The maximum reading is reported to the OSC at Area Command Post in Venice and Chalmette.

- Real-time air monitoring data from midnight to midnight each day is reviewed for field QA and uploaded into SCRIBE by 1200 each day and available to EPA Headquarters.

- The EBAM at location V03 stopped running at 0334 due to low battery voltage. The unit was restarted at 0355. No data gap is expected.

- Venice reported action level exceedences (0.5 ppm) for H2S at station V03. The highest level reported was 0.66 ppm.

**EPA summary of air monitoring/sampling activities:**

| Air Monitoring & Samples | DataRAM (PM10) | AreaRae | SUMMA Canisters | PM2.5 | TOTALS FOR 5/12 |
|---|---|---|---|---|---|
| **Venice** | 3 locs/24-hr | 3 locs/24-hr | 9 | 3 | 12 |
| **Chalmette** | 2 locs/24-hr | 3 locs/24-hr | 6 | 3 | 9 |
| **TOTAL TO DATE** | 6 locs/24-hr | 6 locs/24-hr | 188 | 78 | |

*QAQC samples not included in sample count

## 2.4 Water/Sediment Sampling

- EPA continues to conduct water and sediment sampling at locations provided by EPA Headquarters and selected through National Coastline Condition Assessment (NCCA) program. The NCCA sample locations are sampled every four years by state agencies with U.S. Coastlines. Sample parameters and locations were also selected in coordination with the EPA Region 6 Water Quality Division.

- Representatives from the Water Division and the REOC Environmental Units from R6 and R4 conduct a conference call three times a week with the HQ EOC to discuss the coordination and consistency of water and sediment sampling across the Deepwater Horizon Incident Response.

- On 5/13, Chalmette water operation team continued operations, launching from Cocodrie, Terrebonne Parish, and traveling to Caminada Bay (SE Lafourche Parish) area to collect water and sediment samples. No oiled wildlife, oil, or odors observed.

- On 5/14, the Water Operations Team will depart from Cocodrie, LA, and travel west to collect samples from pre-identified locations. They will collect all of the pre-identified locations by 5/15, weather permitting.

- Venice did not conduct water operations on 5/13. On 5/14, water operations will focus on the collection of oil/water composite samples near-shore and samples of oil from the beach.

**EPA summary of water/sediment activities:**

| Water/Sediment Samples | Water | Sediment | TOTALS FOR 5/12 |
|---|---|---|---|
| Venice | 0 | 0 | 0 |
| Chalmette | 2 | 2 | 4 |
| TOTAL TO DATE | 69 | 61 | |

*QAQC samples not included in sample count

### 2. 5 TAGA

- TAGA 1553 has been requested to conduct monitoring on 5/13 and 5/14.

### 2.6 ASPECT

- On 5/13, no ASPECT missions were flown.

### 2.7 Water Quality Protection Division Update

- Water Quality Protection Division situation update is attached.

## 3. EPA Assets

### 3.1 Current Assets Deployed

- Activated in Dallas, TX
  - REOC activated
  - SRICT activated
  - RRT activated

**Deployed Personnel**

| Personnel | Dallas, TX | Venice, LA | Robert, LA | Houma, LA | New Orleans, LA | Chalmette, LA | Slidell, LA | TOTALS |
|---|---|---|---|---|---|---|---|---|
| **EPA** | | | | | | | | |
| **- OSC** | 3 | 1 | | 1 | | 1 | | 6 |
| **- RSC** | 5 | | 1 | 1 | | | | 7 |
| **- PIO** | | | 3 | | | | | 3 |
| **- Other** | 3 | | 2 | 1 | 1 | 1 | | 8 |
| **START** | 5 | 11 | | | | 16 | | 32 |
| **ERT Contractor** | | 1 | | | | | | 1 |
| **TAGA Personnel** | | | | | | | 5 | 5 |
| **ASPECT Personnel** | | | | | | | 4 | 4 |
| **Other** | | | | | | | | |
| **TOTALS** | 16 | 13 | 6 | 3 | 1 | 18 | 9 | 66 |

### Deployed Equipment

| Equipment | Dallas, TX | Venice, LA | Robert, LA | Houma, LA | New Orleans, LA | Chalmette, LA | Slidell, LA | TOTALS |
|---|---|---|---|---|---|---|---|---|
| **Mobile Command Post** | | 1 | | | | | | 1 |
| **ASPECT** | | | | | | | 1 | 1 |
| **TAGA Bus** | | | | | | | 1 | 1 |
| **LRV** | | | 1 | | | 1 | | 2 |
| **Gooseneck Trailer** | | 1 | | | | | | 1 |
| **20 KW Generator** | | 1 | | | | | | 1 |

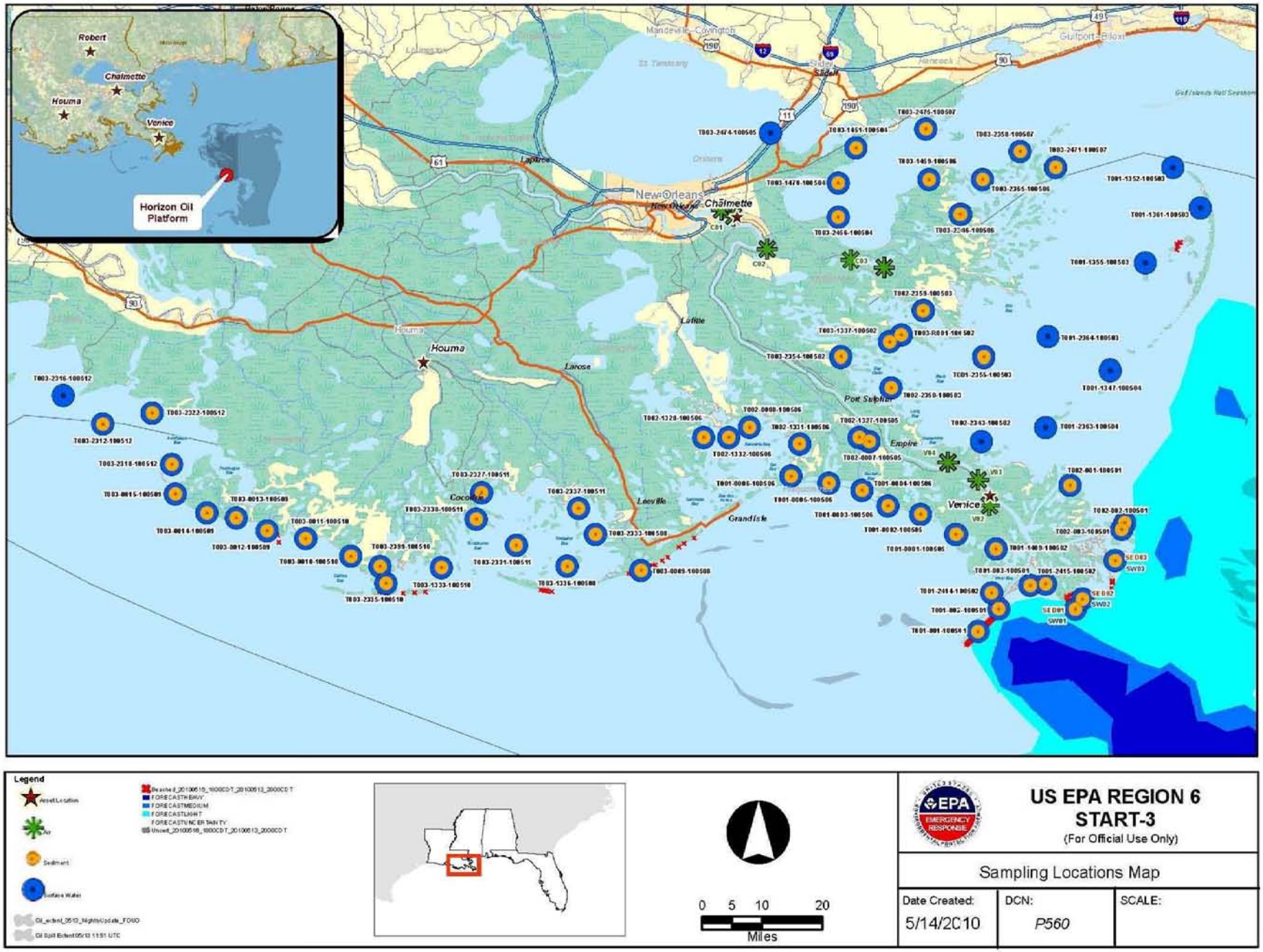
* One TAGA bus has been assigned to Region 4 Operations

## 4. Daily Cost Estimates

| | Est. Personnel Cost | Est. Travel Cost | Est. Contracts/ Purchase Spent | Total Est. Cost/Spent | Total Contract/ Purchase Oblig. | Total USCG PRFA Ceiling | Balance | Est. Daily Burn Rate | Days left |
|---|---|---|---|---|---|---|---|---|---|
| **USCG PRFA FPN N10036** | $219,000 | $87,117 | $1,663,000 | $1,969,117 | $3,158,713 | $4,420,084 | $2,450,967 | $148,100 | 17 |
| **TOTAL EPA FUNDED** | $219,000 | $87,117 | $1,663,000 | $1,969,117 | $3,158,713 | $4,420,084 | $2,450,967 | $148,100 | 17 |
| **Region 6 Indirect Rate 13.12%** | | | | | | | $579,916 | | |
| **Louisiana Total** | $219,000 | $87,117 | $1,663,000 | $1,969,117 | $3,158,713 | $4,420,084 | $2,450,967 | $148,100 | 17 |

**Figure 1 – Aerial dispersant being applied to oil. Courtesy US Coast Guard.**

# Monitoring/Sampling Locations



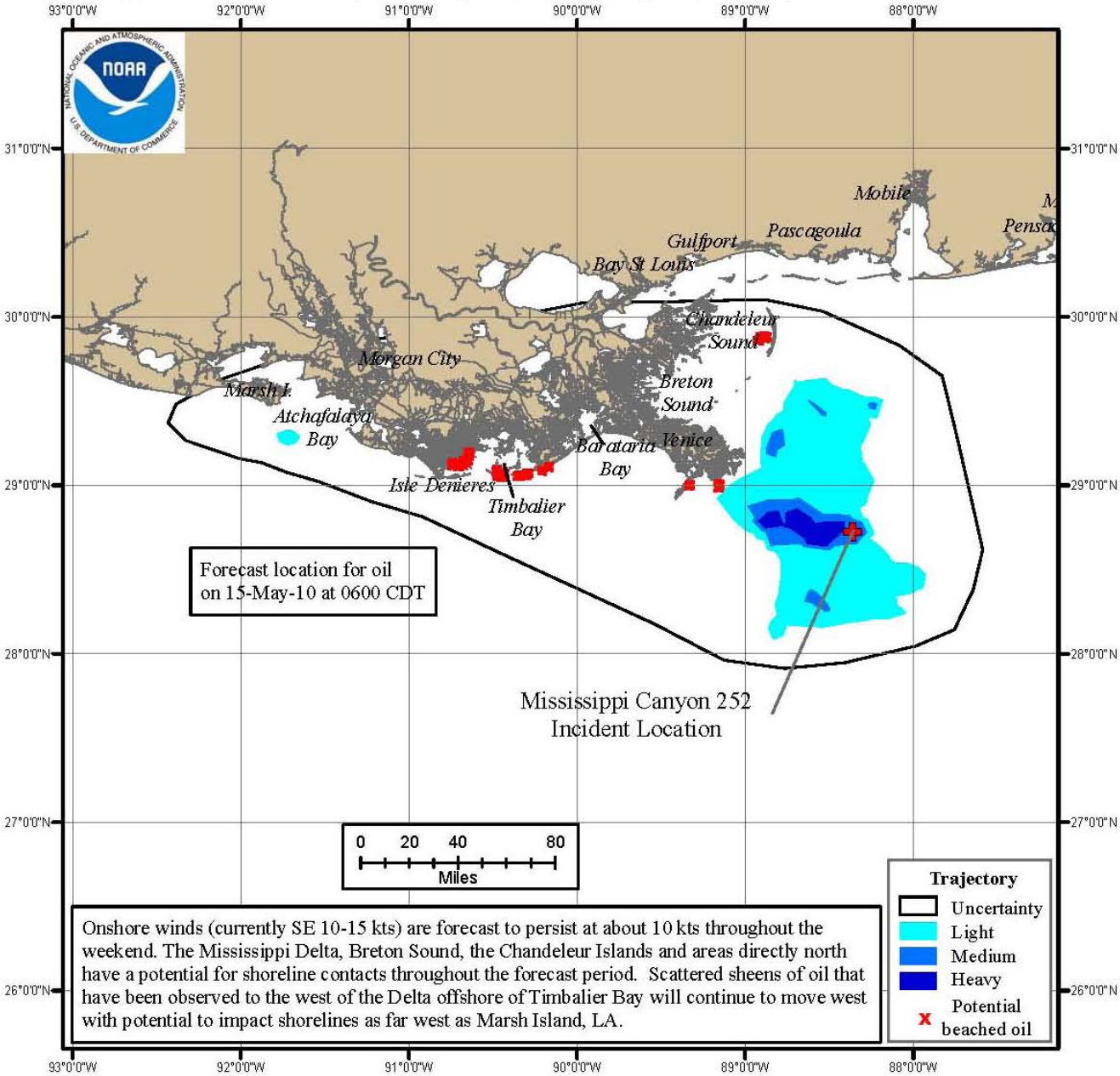
# Trajectory Forecast Mississippi Canyon 252

**NOAA/NOS/OR&R**

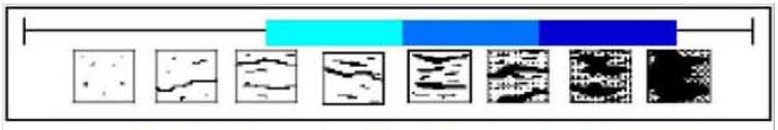
Estimate for: 0600 CDT, Saturday, 5/15/10

Date Prepared: 1300 CDT, Thursday, 5/13/10

This forecast is based on the NWS spot forecast from Thursday, May 13 AM. Currents were obtained from several models (NOAA Gulf of Mexico, West Florida Shelf/USF, Texas A&M/TGLO, NAVO/NRL) and HFR measurements. The model was initialized from Thursday AM satellite imagery analysis (NOAA/NESDIS) and morning 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.



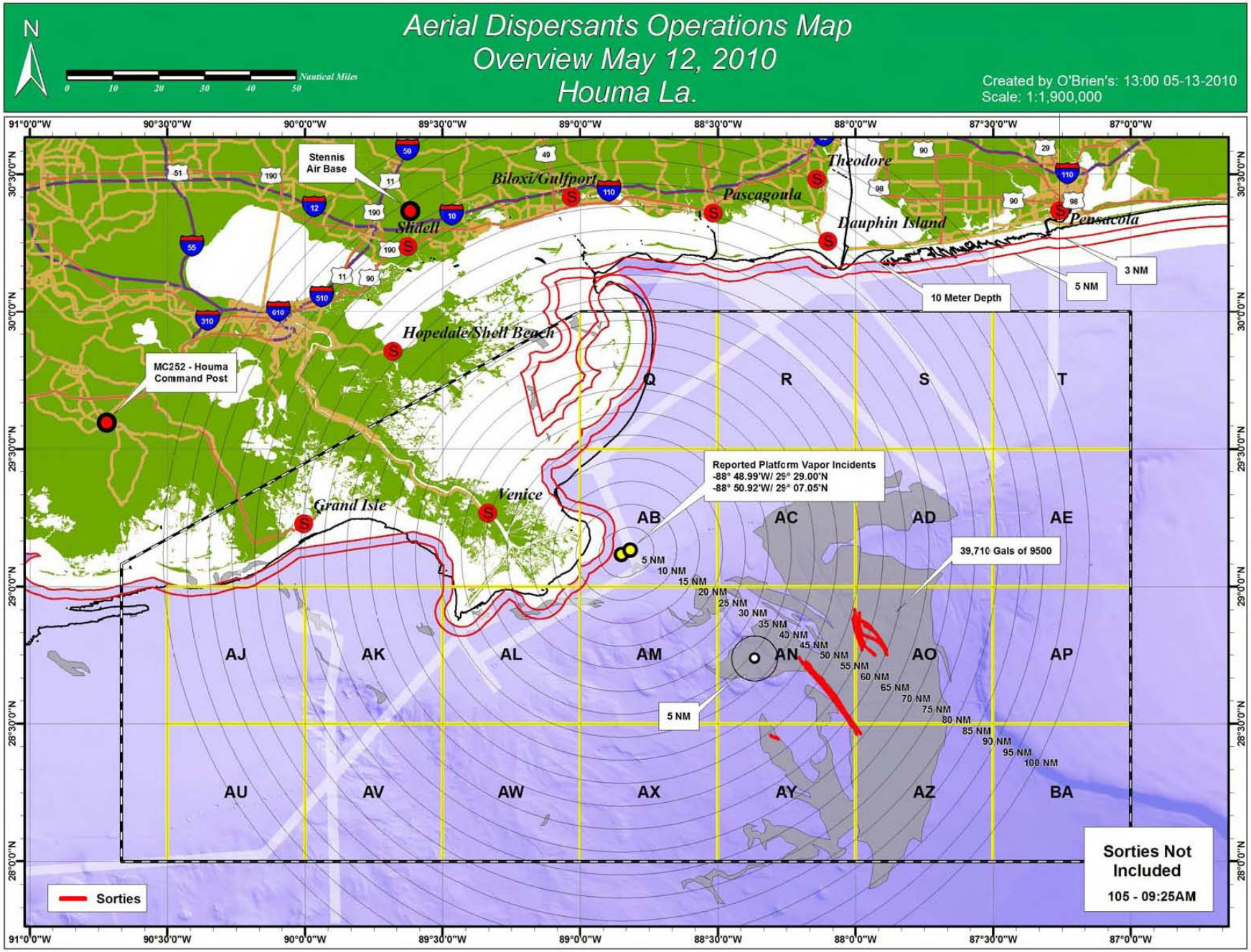

Onshore winds (currently SE 10-15 kts) are forecast to persist at about 10 kts throughout the weekend. The Mississippi Delta, Breton Sound, the Chandeleur Islands and areas directly north have a potential for shoreline contacts throughout the forecast period. Scattered sheens of oil that have been observed to the west of the Delta offshore of Timbalier Bay will continue to move west with potential to impact shorelines as far west as Marsh Island, LA.



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

Next Forecast: May 14th AM

May 13, 2010




1400CST