Deepwater Horizon Incident, Gulf of Mexico

Region 6 REOC Update

Subject:	**Region 6 Update # 16** **Deepwater Horizon Incident, Gulf of Mexico**
Date:	May 13, 2010
To:	Incident Command
Thru:	Planning Section
From:	Situation Unit
Operational Period:	May 12, 2010 2401 – May 12, 2010 2400
Reporting Period:	May 12, 2010 2401 – May 13, 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 BP for operational period 5/12 06:00 – 5/13 06:00
    - An estimated total of 92,000 barrels of oil released to date; estimated 5,000 barrels released during this operational period.
    - A total of 322,450 feet (61 miles) of boom deployed to date; 38,500 feet deployed during this operational period.
    - A total of 428,307 gallons of dispersant has been applied (subsea and surface); 56,220 gallons were applied during this operational period.

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

- EPA continued coordination with LDEQ, Region 6, Region 4 and BP on Waste Management Plan. Participated in conference call with Region 6, Region 4 and EPA HQ to align waste management plants across regions.

- EPA coordinated with OSHA, ERT, BP and their contractors in identifying a plan for air sampling and air monitoring of aerial dispersants. Collected additional information about aerial dispersant application.

- EPA coordinated with BP Operations Section Chief for permission to collect a sample of COREXIT 9527A at Stennis Airfield, a sample of weathered oil, and a sample of oil/ recently applied dispersant.

- Skimming operations will resume on 5/13. Burning is anticipated to begin Friday 5/14 weather conditions permitting.

- Aerial dispersant application will continue, though there was only 1 flight yesterday. Based upon weather, aerial dispersant application might cease this weekend (lack of wave action to mix the dispersants and oil).

- BP and their contractors are beginning to remove oil from the Chandeleur Islands.

- Lisa Pham is now an assistant instructor for Health and Safety Training and Boom Techniques as a Vietnamese translator. She was in Slidell this afternoon assisting in two training sessions providing Vietnamese translation.

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;
    - Hopedale, LA – 29.82209, -89.60862 – C03 - located at the Emergency Operations Center;
    - Chalmette, LA - 29.96082, -90.00132 - C04 – located at FireStation on Aycock St.
- Each air monitoring location has 5 pieces of air equipment:
    - DataRAM - monitoring particulate matter PM10;
    - EBAM (Particulate Monitors)-equipment will replace DataRAM's (EBAMS are currently being tested before DataRams are shut off);
    - AreaRae - 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.

- Chalmette and Venice operations continued collecting air monitoring/sampling data and continue to upload data via Scribe.NET. Both reported no oil odor and no visual detection of oil.

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	173	72	

*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.

- Venice did not conduct water operations on 5/12.

- On 5/12, Chalmette water operations launched from Cocodrie, Terrebonne Parish, and traveling to Atchafalaya Bay and East Cote Blache Bay, (South St. Mary Parish) to collect surface water and sediment samples. No oiled wildlife, oil, or oil odors were observed.

- On 5/13, Chalmette water operations will collect samples from a protected (from poor coastal weather conditions) area north of Grand Isle, Jefferson Parish, LA.

EPA summary of water/sediment activities:

Water/Sediment Samples	Water	Sediment	TOTALS FOR 5/12
Venice	0	0	0
Chalmette	5	4	9
TOTAL TO DATE	67	59	

*QAQC samples not included in sample count

2. 5 TAGA

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

- TAGA did not conduct monitoring activities on 5/12.

2.6 ASPECT

- On 5/12, 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

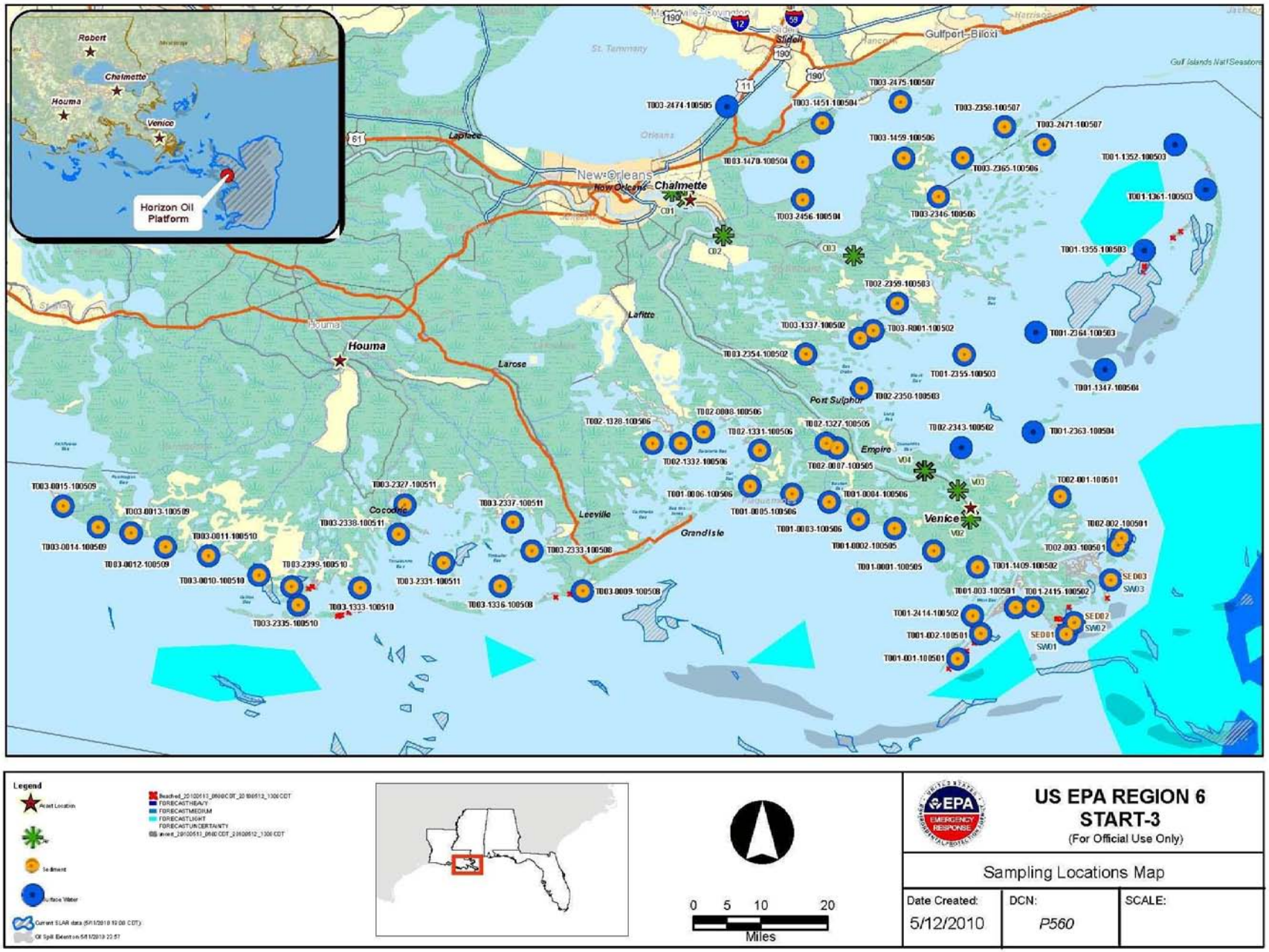
* One TAGA bus has been assigned to Region 4 Operations

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
USCG PRFA FPN N10036	$209,200	$83,678	$1,558,000	$1,850,878	$3,143,713	$4,420,084	$2,569,206	$148,100
TOTAL EPA FUNDED	$209,200	$83,678	$1,558,000	$1,850,878	$3,143,713	$4,420,084	$2,569,206	$148,100
Region 6 Indirect Rate 13.12%						$579,916		
Louisiana Total	$209,200	$83,678	$1,558,000	$1,850,878	$3,143,713	$5,000,000	$2,569,206	$148,100

Figure 1 – Boat operations for water sampling activities in Chalmette, LA.

Monitoring/Sampling Locations



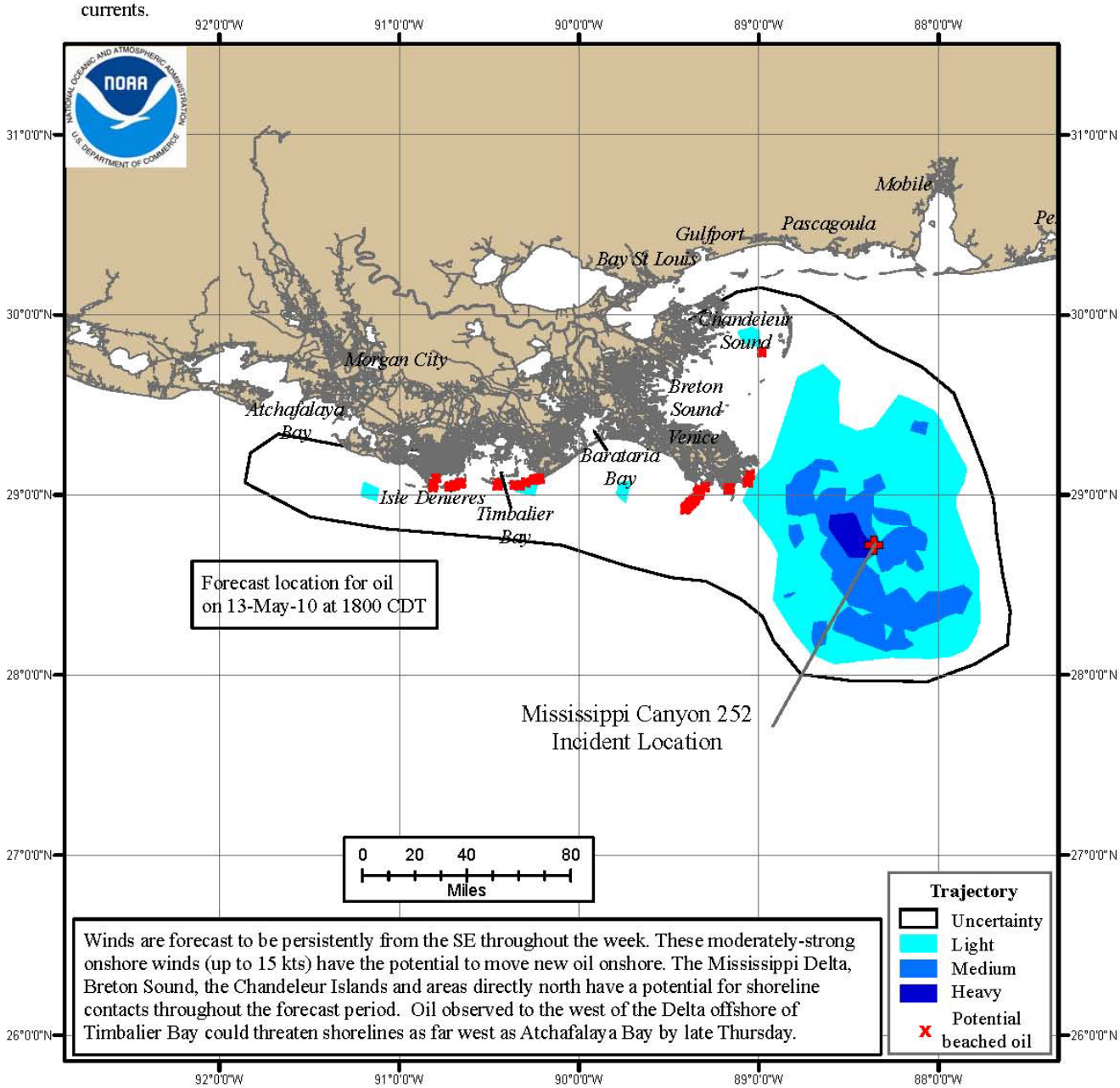
Trajectory Forecast Mississippi Canyon 252

NOAA/NOS/OR&R

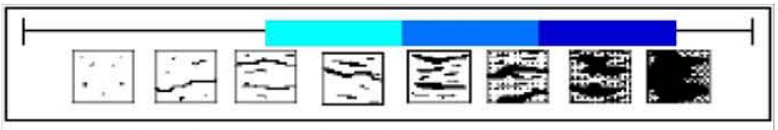
Estimate for: 1800 CDT, Thursday, 5/13/10

Date Prepared: 2000 CDT, Wednesday, 5/12/10

This forecast is based on the NWS spot forecast from Wednesday, May 12 PM. 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 Wednesday satellite/aerial imagery analysis (NOAA/NESDIS and Transport Canada) and afternoon 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.



Winds are forecast to be persistently from the SE throughout the week. These moderately-strong onshore winds (up to 15 kts) have the potential to move new oil onshore. The Mississippi Delta, Breton Sound, the Chandeleur Islands and areas directly north have a potential for shoreline contacts throughout the forecast period. Oil observed to the west of the Delta offshore of Timbalier Bay could threaten shorelines as far west as Atchafalaya Bay by late Thursday.



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

Next Forecast: May 13th PM