

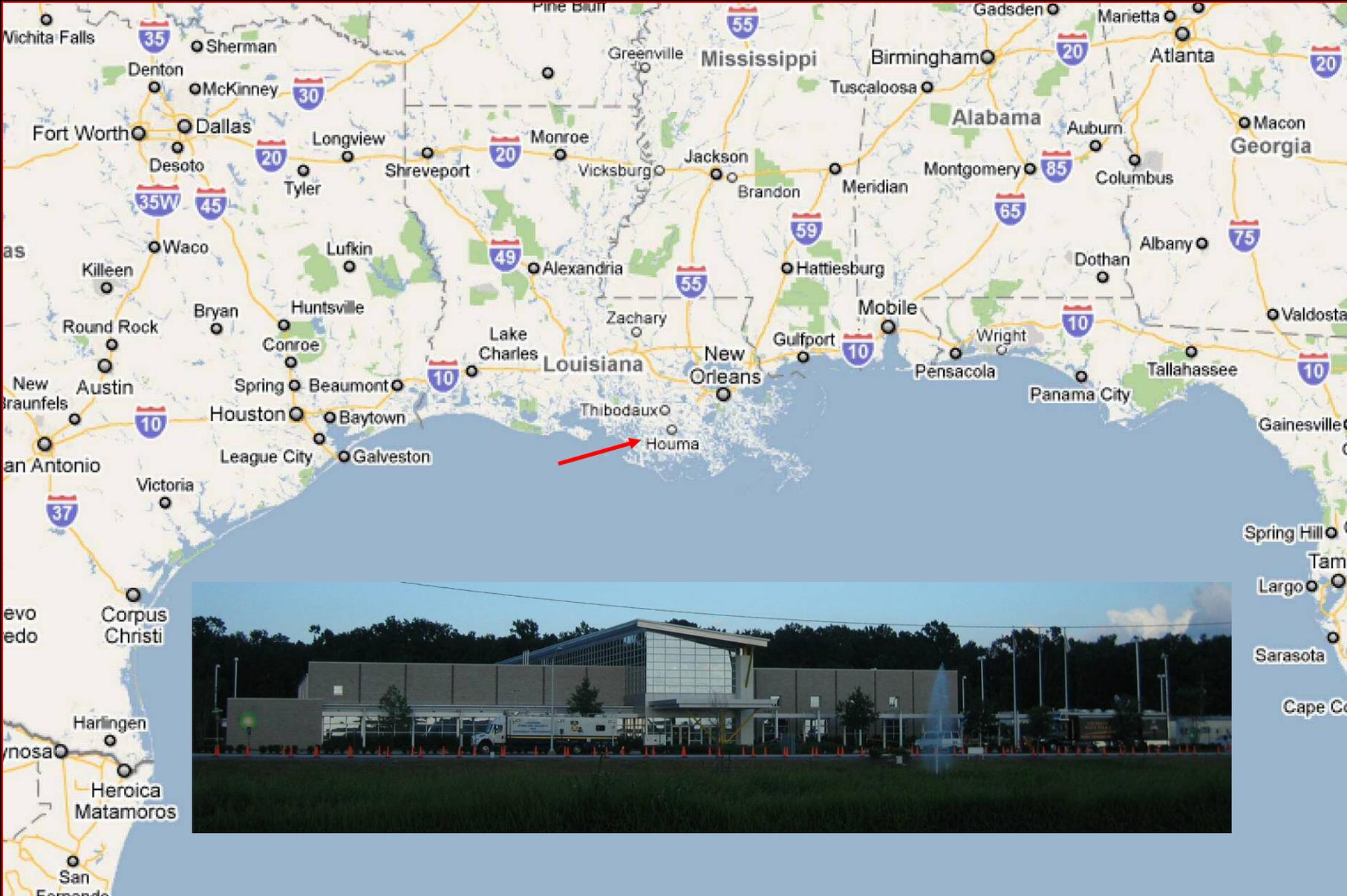


Deepwater Horizon MC 252

Houma ICP



Houma, LA





LA Marshes



June 2, 2010



ERMA

Environmental Response Management Application (NOAA)

ERMA - Mozilla Firefox

File Edit View History Bookmarks Tools Help

unh.edu https://gomex2.erma.unh.edu/erma.html#x=-89.14307&y=29.43960&z=7&layers=2686+497+2753+

ERMA | Environmental Response Management Application | Gulf of Mexico

Information Help Admin Upload Find Logout

Layers Legend Query Tool AOI Labels Zoom Download Print

Layers clear all manage reload

- NMFS Emergency Fishery Closure 31-MAY-10
- Oil Observations 06-02-2010 0810-1045hrsCDT
- Oil Observations 06-02-2010 1405-1605hrsCDT
- Observer comments for Mobile 06-02-2010
- SCAT LA
 - SCAT Mobile
 - June 25 - Hurricane Alex
 - July 12 - Capping stack installed
 - July 15 - Stack secured
 - July 22 - Fish closure change
 - August 3 - Attempted static kill
 - Subsurface Monitoring
 - Areas of Operation
 - Beach Clean-Up
 - Branches
 - Booming Strategies
 - Burn Locations
 - Burn Volume Estimates 4-28 to 7-19
 - In Situ Burns 7-19-2010

Scale: 1: 3M Zoom Level: 7 Location: 29.90733°, -85.92407°

US DOC | NOAA | NOS | NOAA Office of Response & Restoration
Disclaimer | Privacy policy | Email comments

Coastal Response Research Center
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Mississippi Canyon 252

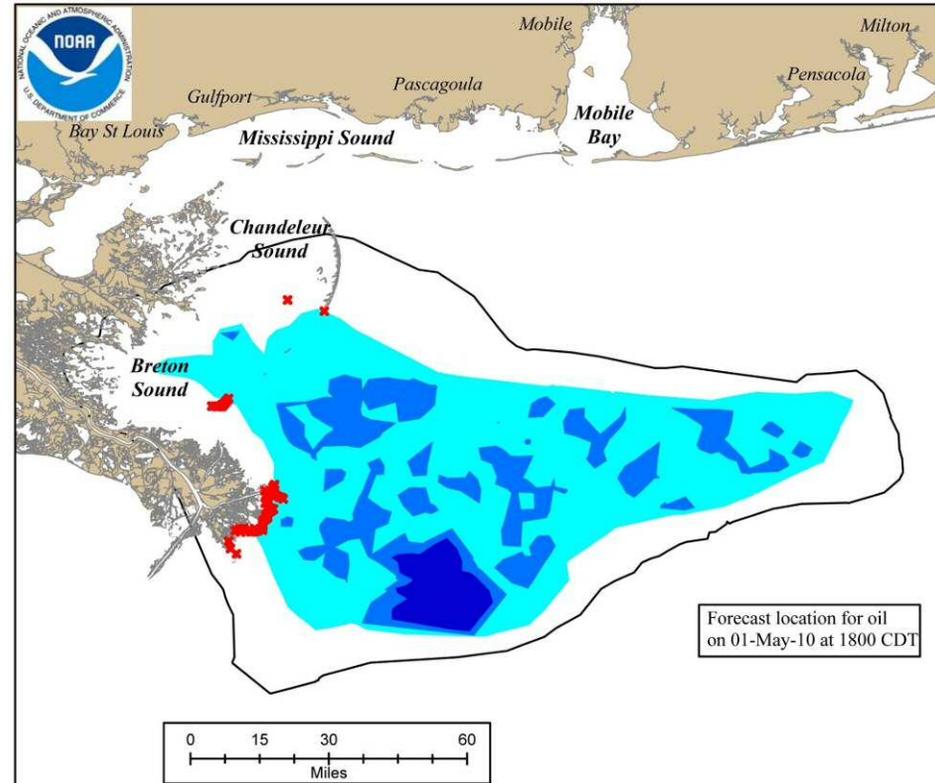
NOAA/NOS/OR&R

Estimate for: 1800 CDT, Saturday 5/01/10

Date Prepared: 2100 CDT, Friday 4/30/10

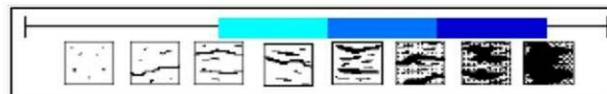


This forecast is based on the NWS spot forecast from Friday, April 30 PM. Currents were obtained from the NOAA Gulf of Mexico model, TexasA&M/TGLO, and NAVO models. The model was initialized from Friday morning and afternoon overflight data. The leading edge may contain tarballs that are not readily observable from the imagery (hence not included in the model initialization).



Strong SE winds of 20-25 kts are expected to continue through Sunday. Beginning Sunday night, winds are forecasted to be more southerly and drop to 15-20 kts. These winds will continue to bring oil towards the shoreline. Oil was observed this morning within several miles of the Delta between Garden Bay and Pass A Loutre. This could be the leading edge of the tarballs concentrating in the Mississippi River convergence as well as oil from an additional (unrelated) source near platform Ocean Saratoga. Shoreline impacts are likely to occur throughout the weekend with the persistent on shore winds.

- Trajectory**
- Uncertainty
 - Light
 - Medium
 - Heavy
 - ✗ Beached oil



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





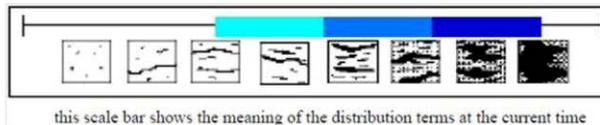
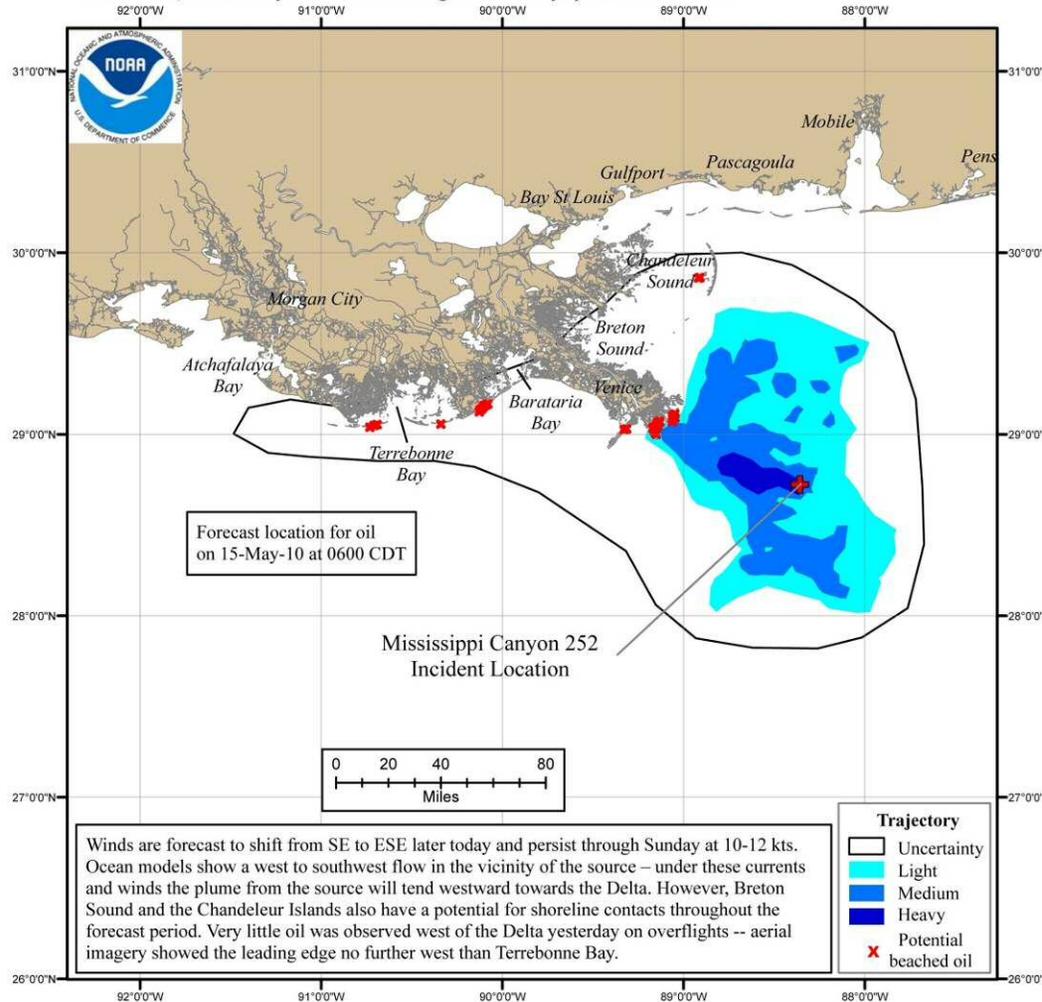
Trajectory Forecast Mississippi Canyon 252

NOAA/NOS/OR&R

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

Date Prepared: 1300 CDT, Friday, 5/14/10

This forecast is based on the NWS spot forecast from Friday, May 14 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 Wednesday satellite imagery analysis (NOAA/NESDIS) and 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.



Next Forecast:
May 15th AM





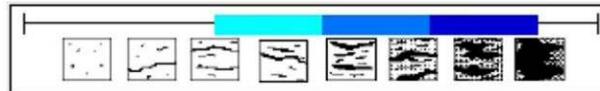
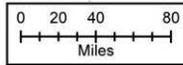
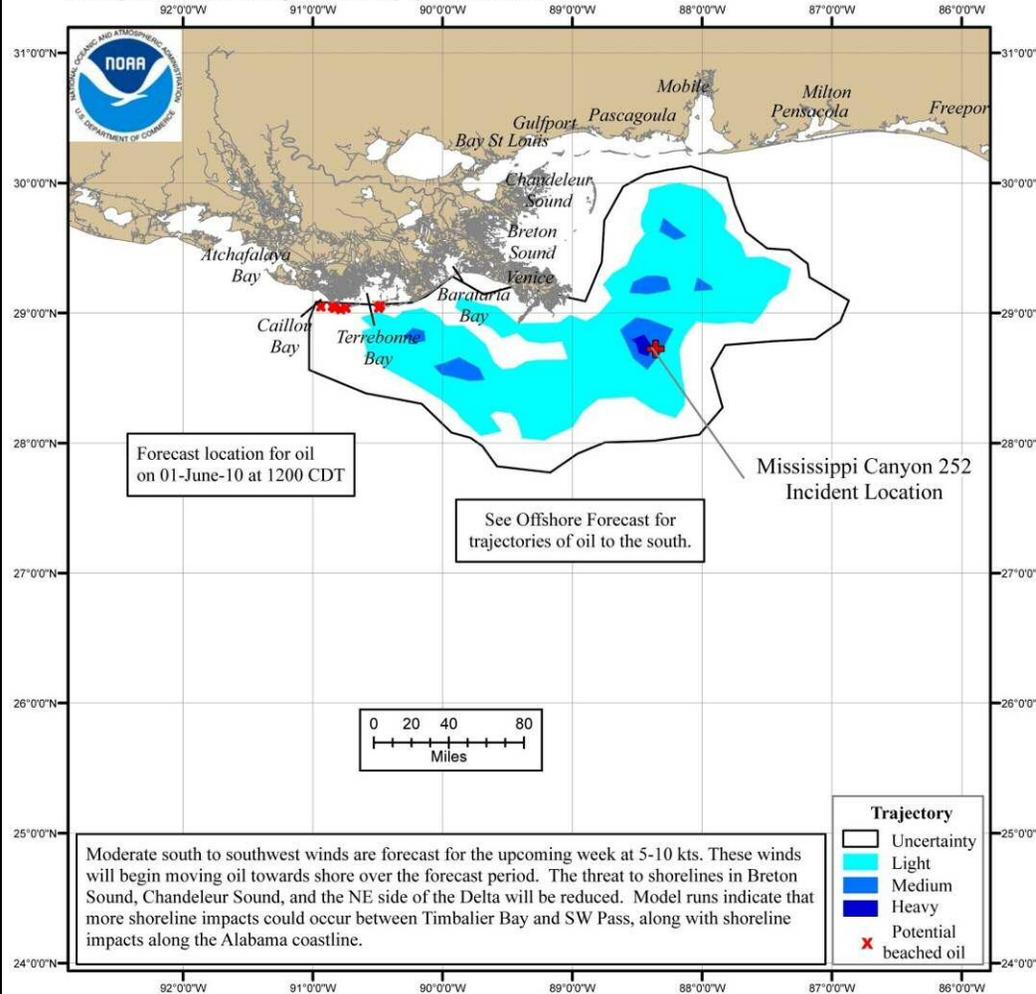
Nearshore Surface Oil Forecast Deepwater Horizon MC252

NOAA/NOS/OR&R

Nearshore

Estimate for: 1200 CDT, Tuesday, 6/01/10
Date Prepared: 2100 CDT, Monday, 5/31/10

This forecast is based on the NWS spot forecast from Monday, May 31 PM. Currents were obtained from several models (NOAA Gulf of Mexico, West Florida Shelf/USF, NAVO/NRL) and HFR measurements. The model was initialized from Sunday and Monday satellite imagery analysis (NOAA/NESDIS) and Monday 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.



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

Next Forecast:
June 1st PM





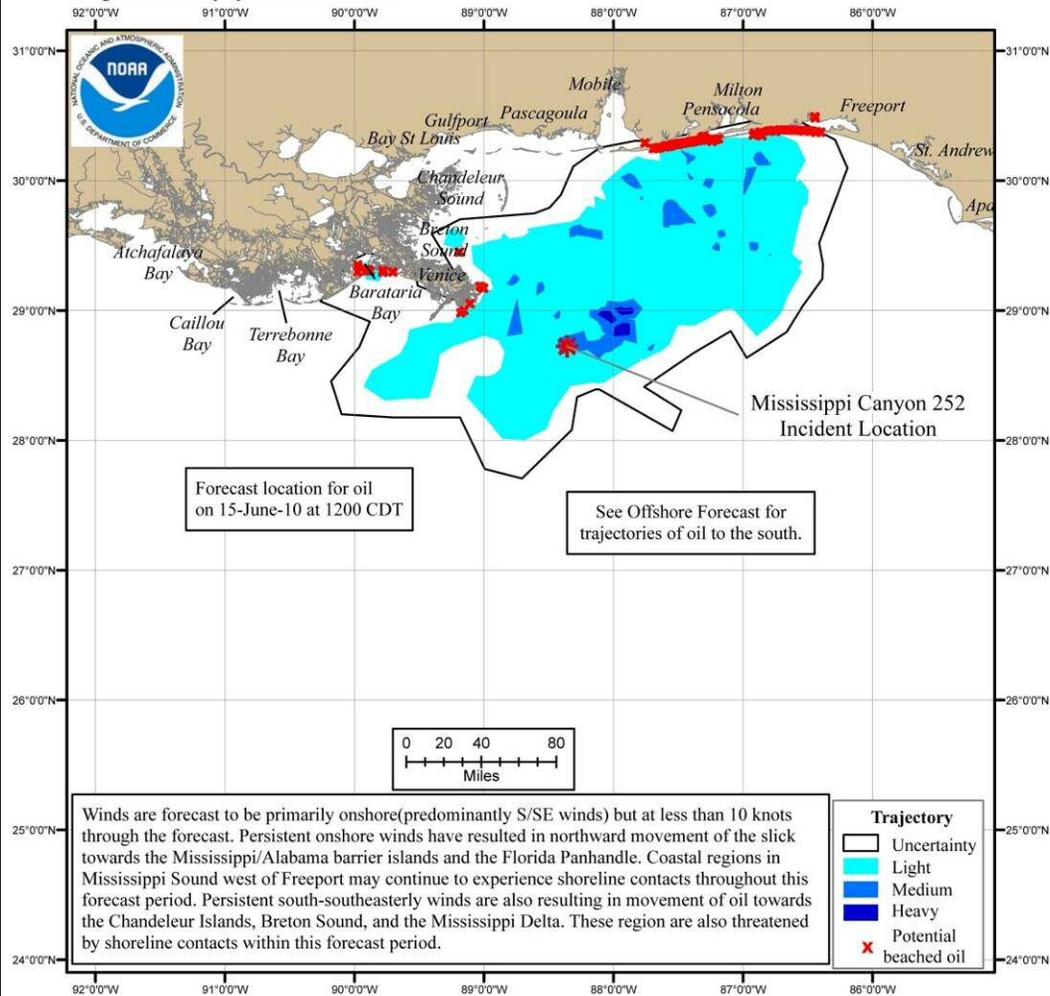
Nearshore Surface Oil Forecast Deepwater Horizon MC252

NOAA/NOS/OR&R

Nearshore

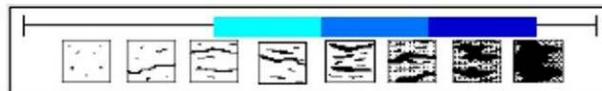
Estimate for: 1200 CDT, Tuesday, 6/15/10
Date Prepared: 2100 CDT, Sunday, 6/13/10

This forecast is based on the NWS spot forecast from Sunday, June 13 PM. Currents were obtained from several models (NOAA Gulf of Mexico, West Florida Shelf/USF, NAVO/NRL) and HFR measurements. The model was initialized from Sunday satellite imagery analysis (NOAA/NESDIS) and 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 primarily onshore (predominantly S/SE winds) but at less than 10 knots through the forecast. Persistent onshore winds have resulted in northward movement of the slick towards the Mississippi/Alabama barrier islands and the Florida Panhandle. Coastal regions in Mississippi Sound west of Freeport may continue to experience shoreline contacts throughout this forecast period. Persistent south-southeasterly winds are also resulting in movement of oil towards the Chandeleur Islands, Breton Sound, and the Mississippi Delta. These regions are also threatened by shoreline contacts within this forecast period.

- Trajectory**
- Uncertainty
 - Light
 - Medium
 - Heavy
 - ✕ Potential beached oil



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

Next Forecast:
June 14th PM





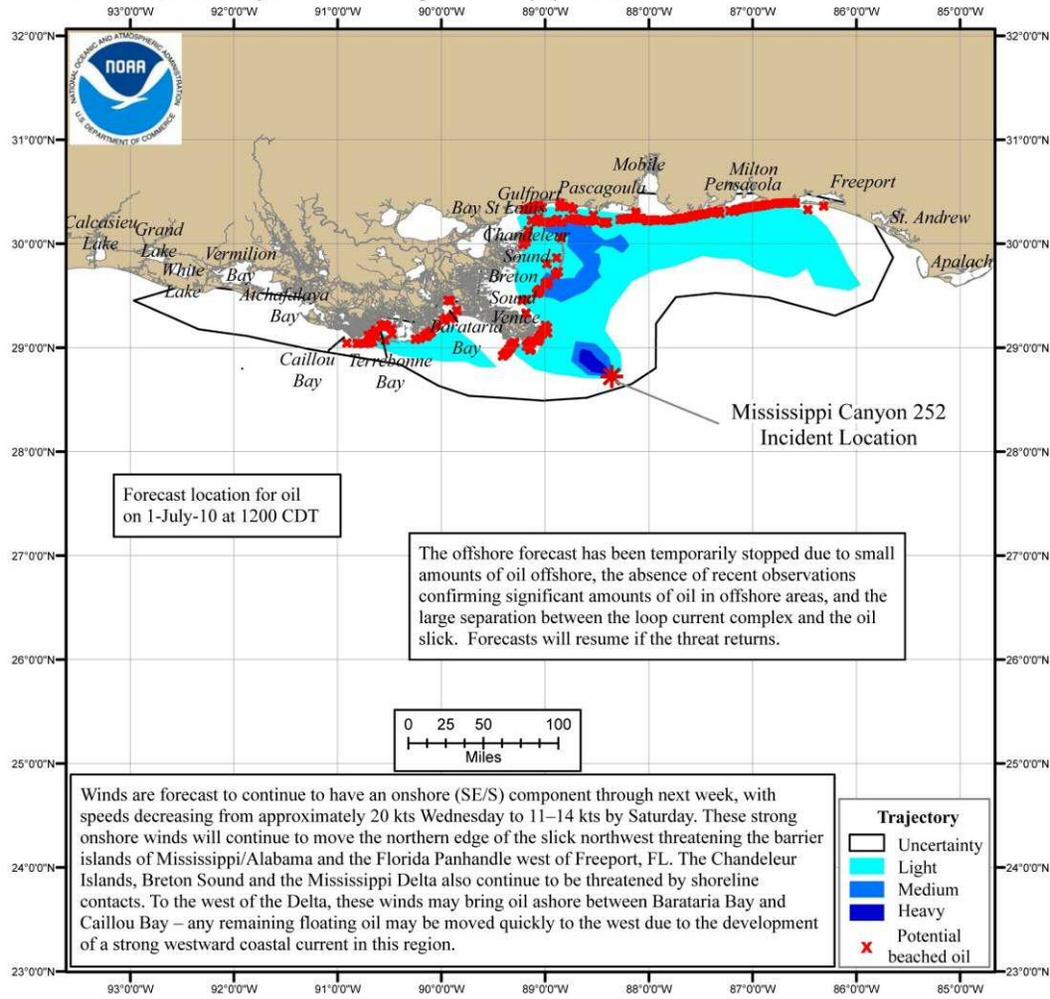
Nearshore Surface Oil Forecast Deepwater Horizon MC252

NOAA/NOS/OR&R

Nearshore

Estimate for: 1200 CDT, Thursday, 7/01/10
Date Prepared: 2100 CDT, Wednesday, 6/30/10

This forecast is based on the NWS spot forecast from Wednesday, June 30 PM. Currents were obtained from several models (NOAA Gulf of Mexico, West Florida Shelf/USF, TGLO/TAMU, NAVO/NRL) and HFR measurements. The model was initialized from Tuesday-Wednesday satellite imagery analysis (NOAA/NESDIS) and Wednesday 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.

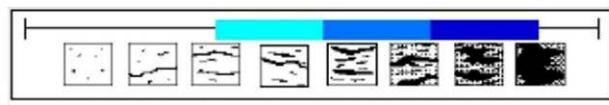


Forecast location for oil on 1-July-10 at 1200 CDT

The offshore forecast has been temporarily stopped due to small amounts of oil offshore, the absence of recent observations confirming significant amounts of oil in offshore areas, and the large separation between the loop current complex and the oil slick. Forecasts will resume if the threat returns.

Winds are forecast to continue to have an onshore (SE/S) component through next week, with speeds decreasing from approximately 20 kts Wednesday to 11-14 kts by Saturday. These strong onshore winds will continue to move the northern edge of the slick northwest threatening the barrier islands of Mississippi/Alabama and the Florida Panhandle west of Freeport, FL. The Chandeleur Islands, Breton Sound and the Mississippi Delta also continue to be threatened by shoreline contacts. To the west of the Delta, these winds may bring oil ashore between Barataria Bay and Caillou Bay – any remaining floating oil may be moved quickly to the west due to the development of a strong westward coastal current in this region.

- Trajectory**
- Uncertainty
 - Light
 - Medium
 - Heavy
 - ✕ Potential beached oil



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

Next Forecast:
July 1st PM



Nearshore Surface Oil Forecast Deepwater Horizon MC252

NOAA/NOS/OR&R

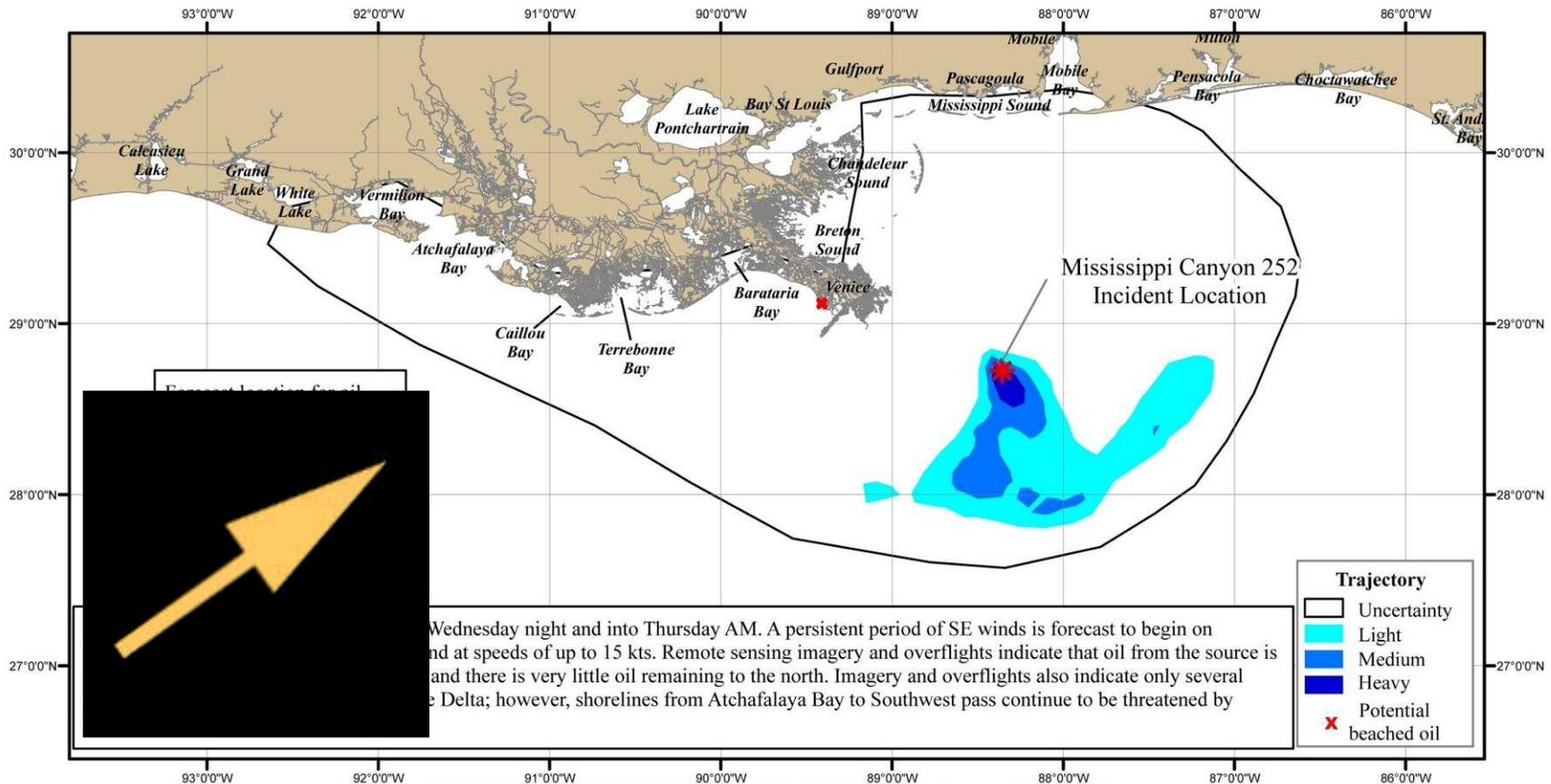
Nearshore



Estimate for: 1200 CDT, Thursday, 7/15/10

Date Prepared: 2100 CDT, Wednesday, 7/14/10

This forecast is based on the NWS spot forecast from Wednesday, July 14 PM. Currents were obtained from several models (NOAA Gulf of Mexico, West Florida Shelf/USF, TGLO/TAMU, NAVO/NRL) and HFR measurements. The model was initialized from Tuesday-Wednesday satellite imagery analysis (NOAA/NESDIS) and Wednesday 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.



Wednesday night and into Thursday AM. A persistent period of SE winds is forecast to begin on Thursday and at speeds of up to 15 kts. Remote sensing imagery and overflights indicate that oil from the source is moving south and there is very little oil remaining to the north. Imagery and overflights also indicate only several small slicks in the Delta; however, shorelines from Atchafalaya Bay to Southwest pass continue to be threatened by



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

Next Forecast:
July 15th PM



This Oil Slick Trajectory Projection Totally Looks Like This Fire-breathing Dragon

4423 Votes



This Oil Slick Trajectory Projection TotallyLooksLike.com This Fire-breathing Dragon

This Oil Slick Trajectory Projection Totally Looks Like This Fire-breathing Dragon

Look-alike by: [signal0](#) via [Totally Looks Like Builder](#)

Incorrect source or offensive?

[Dragon](#), [fire](#), [maps](#), [mythology](#), [news](#), [oil slick](#)



Nearshore Surface Oil Forecast Deepwater Horizon MC252

NOAA/NOS/OR&R

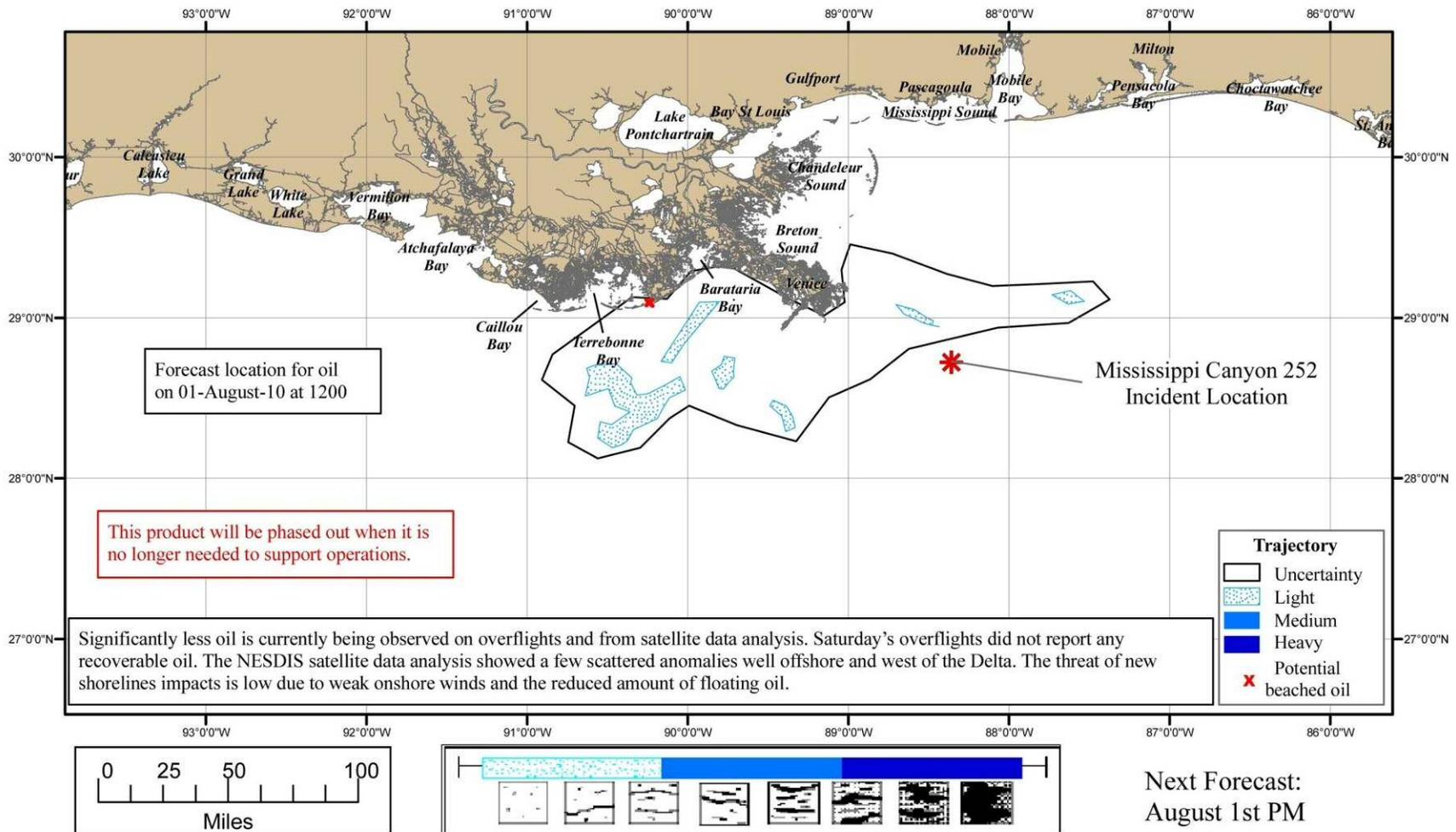
Nearshore



Estimate for: 1200 CDT, Sunday, 8/01/10

Date Prepared: 1900 CDT, Saturday, 7/31/10

This forecast is based on the NWS spot forecast from Saturday, July 31 PM. Currents were obtained from several models (NOAA Gulf of Mexico, West Florida Shelf/USF, TGLO/TAMU, NAVO/NRL) and HFR measurements. The model was initialized from Thursday-Friday satellite imagery analysis (NOAA/NESDIS) and Friday 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.

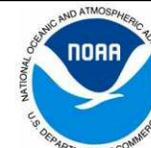


this scale bar shows the meaning of the distribution terms at the current time

Nearshore Surface Oil Forecast Deepwater Horizon MC252

NOAA/NOS/OR&R

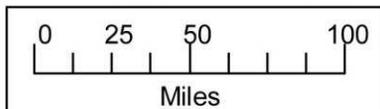
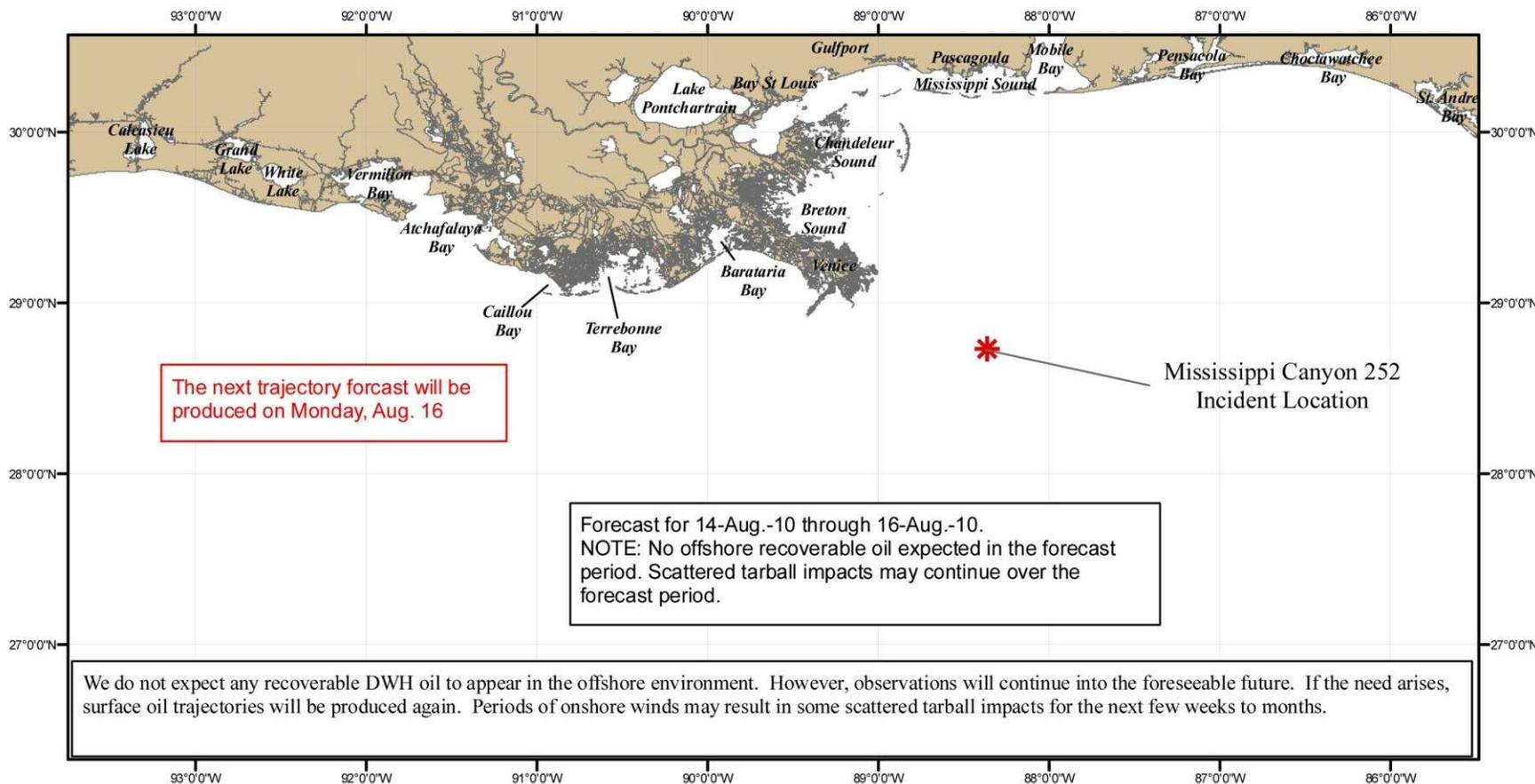
Nearshore



Estimate for: 1200 CDT, 8/14/10 through 8/16/10

Date Prepared: 2000 CDT, Friday, 8/13/10

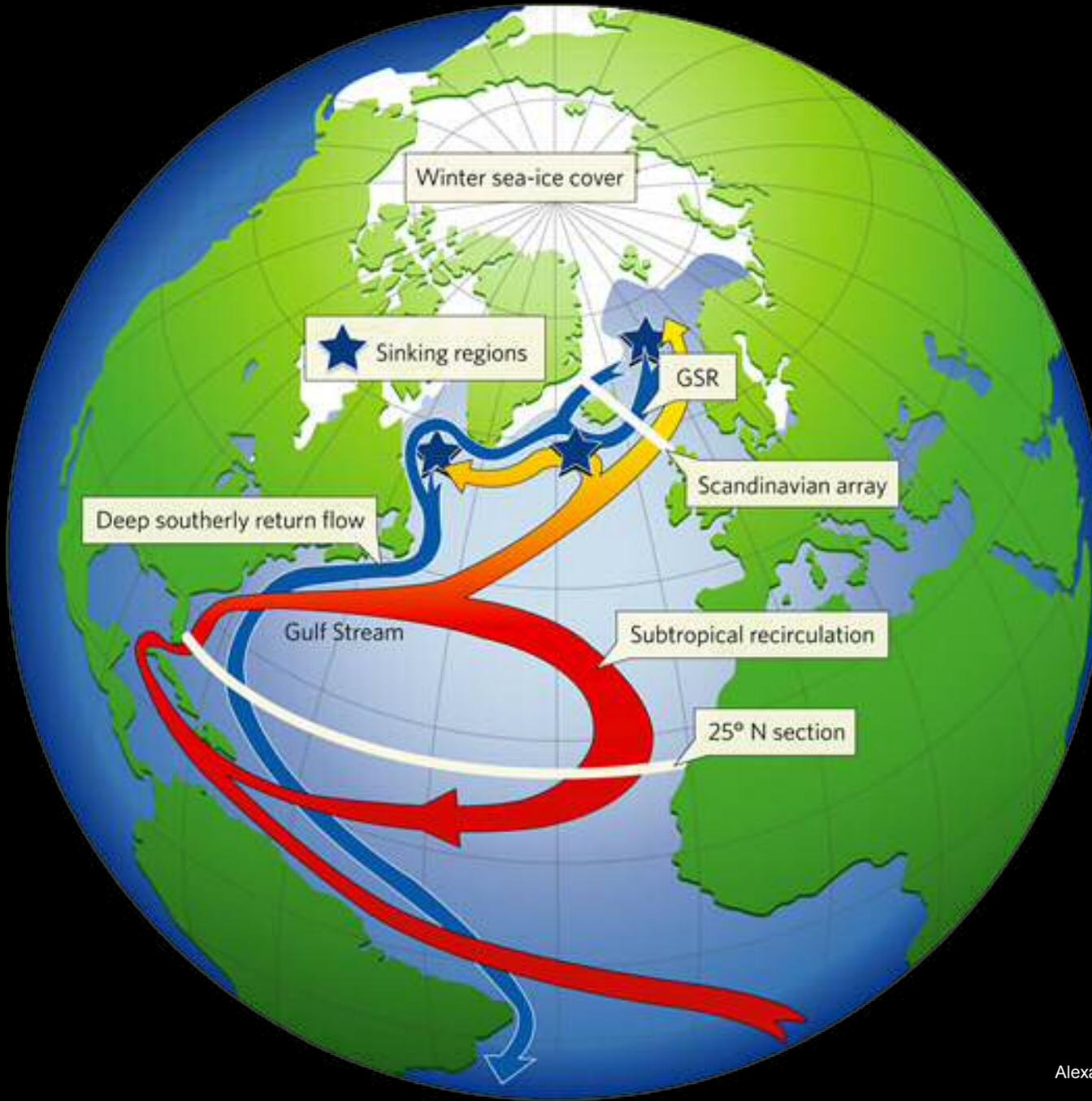
No recoverable oil has been reported by daily overflights since July 30. Daily satellite analyses have indicated a decreasing number of possible oil anomalies since the well has been capped. Recent overflights sent to investigate satellite anomalies have only reported seeing seaweed with an occasional colorless sheen.



Next Forecast:
Aug. 16th PM



NOAA





US DOC | NOAA | NOS | NOAA Office of Response & Restoration
 Email Comments: orr.erma@noaa.gov

Coastal Response Research Center
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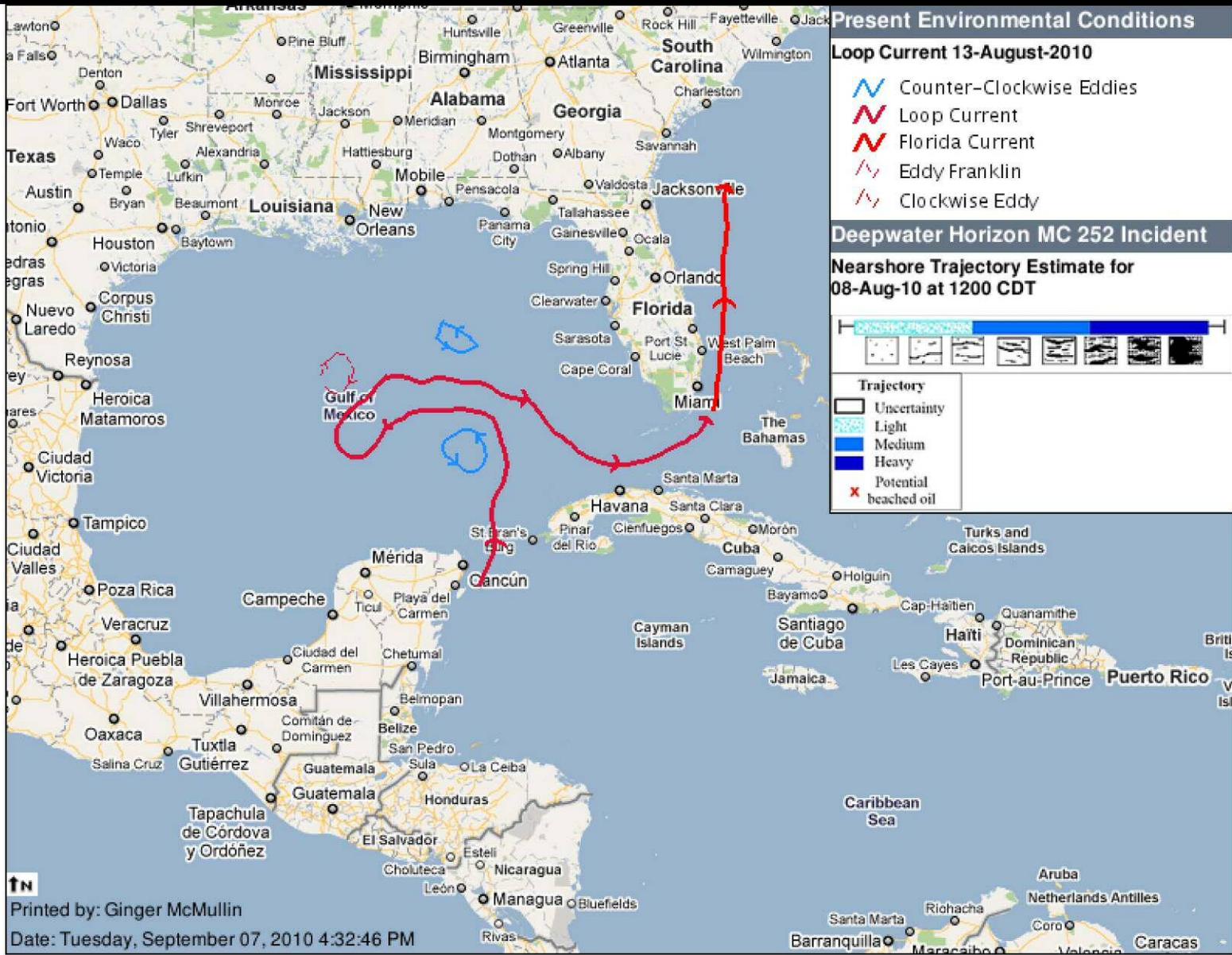
Environmental Response Management Application
 Gulf of Mexico

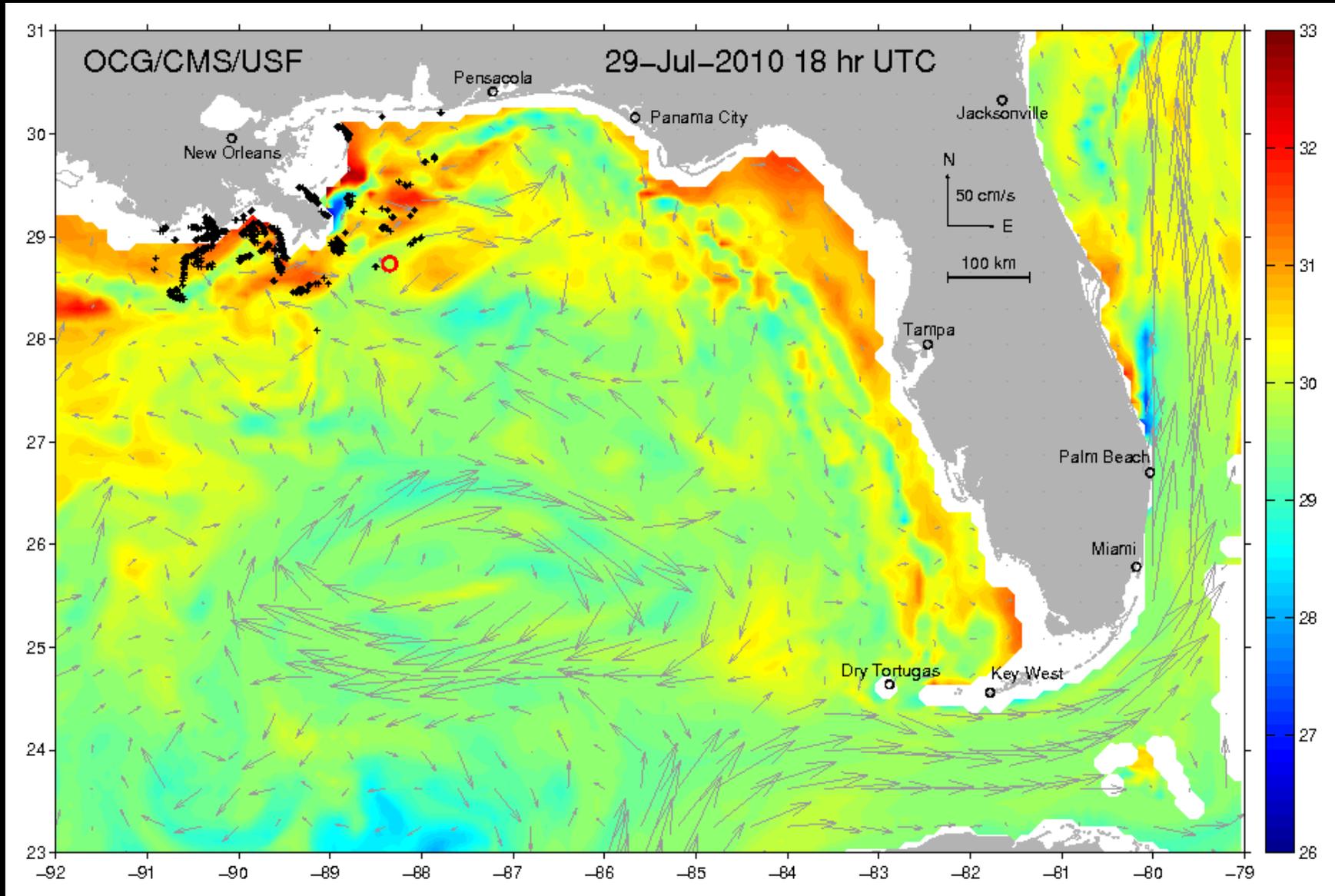


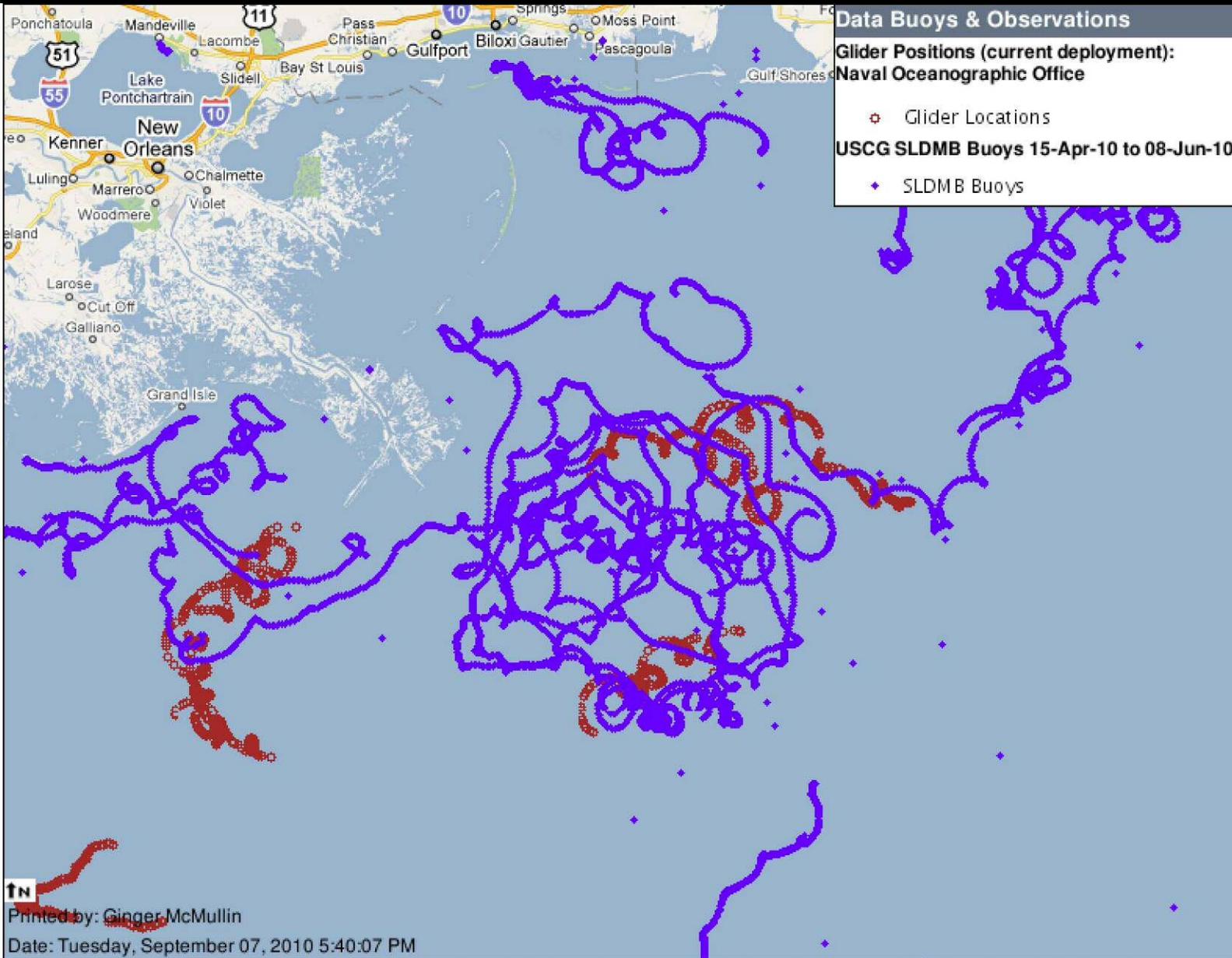


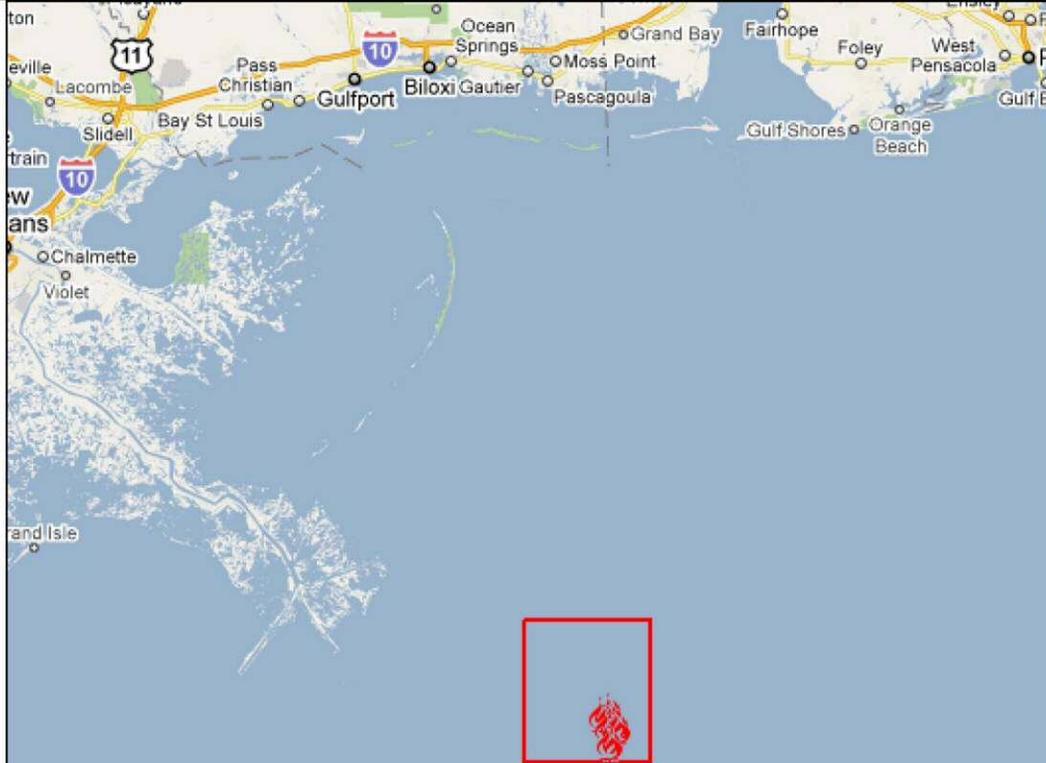












Deepwater Horizon MC 252 Incident

Allotted Burn Area for 19-June-2010

 Allotted Burn Area for 19-June-2010

In Situ Burns for 19-June-2010

 In Situ Burns for 19-June-2010



 Printed by: Ginger McMullin
Date: Tuesday, September 07, 2010 8:03:09 PM





Date	# of Burns/day	Approx. Burn Vol. - Min. (BBLs)	Approx. Burn Vol. - Max (BBLs)
4/28/10	1	77	108
5/05/10	4	670	1,095
5/06/10	4	4,555	7,754
5/07/10	6	1,674	2,343
5/17/10	7	2,659	3,722
5/18/10	4	653	914
5/19/10	6	22,800	31,900
5/20/10	7	9,300	13,000
5/23/10	8	800	1,100
5/24/10	14	2,000	2,900
5/25/10	6	300	400
5/26/10	7	400	500
5/27/10	13	600	800
5/28/10	1	0	0
5/29/10	7	1,000	1,400
5/30/10	9	2,100	3,000
5/31/10	17	13,800	19,300
6/1/10	4	6,600	9,200
6/2/10	1	600	800
6/7/10	7	700	1,000
6/8/10	15	4,500	6,400
6/9/10	17	2,900	4,100
6/10/10	1	300	400
6/12/10	15	6,300	8,800
6/13/10	14	13,800	19,400
6/14/10	18	3,600	5,000
6/15/10	10	800	1,200
6/16/10	10	16,800	23,500
6/17/10	5	11,100	15,500
6/18/10	16	49,600	69,500
6/19/10	6	1,900	2,700
6/20/10	7	500	700
6/21/10	21	14,200	19,900
7/8/10	1	0	0
7/9/10	15	6,900	9,700
7/10/10	10	8,200	11,500
7/11/10	15	4,400	6,200
7/13/10	22	1,200	1,600
7/14/10	26	900	1,300
7/15/10	12	300	400
7/16/10	19	900	1,300
7/17/10	1	0	0
7/19/10	2	100	100
Total	411	220,500	310,400



Deepwater Horizon MC252, Gulf of Mexico

Type of Map: Overflight, Sector Houma

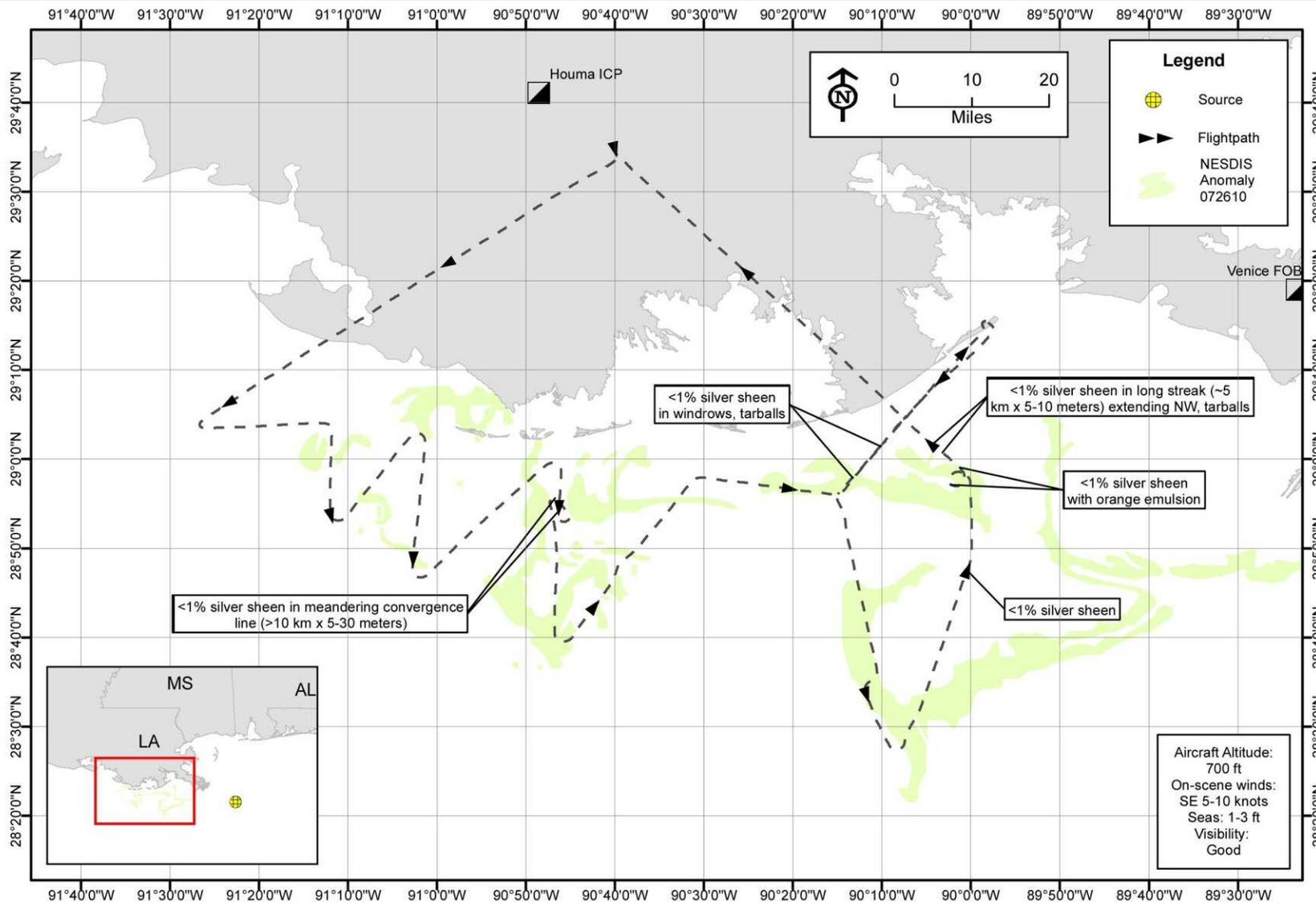
Prepared by: NOAA (JJB)

USE ONLY AS A GENERAL REFERENCE

Date/Time: 07-27-2010, 0850 - 1320 hrs CDT

Platform: S-76 (N1546G)

Observers: Proie (NOAA)





ERMA | Environmental Response Management Application

Gulf of Mexico





Info Mgt – What worked

* Many systems
underlying network is key

- NOAA ftp site: NOAA, USCG, TRG, O'Brien's, contractors – SONS connection
- Internal networks: In Situ Burn Group, TRG
- External networks: BP
- HSIN
- Wikis, email
- WebEOC





Info Mgt – What Did Not Work

- ✦ **Boom and Other Assets**
 - Resource tracking needs improvement

- ✦ **Duplication of Effort**
 - Competition as opposed to Cooperation





Solutions ?

- * Allow for innovation
 - one system can't do it all

- * Identify information needs
 - divide the labor
 - eliminate extraneous information





SMART Air Team 1



N 28° 50.177'
W 088° 32.279'

1873 ft

2010 / 6 / 24

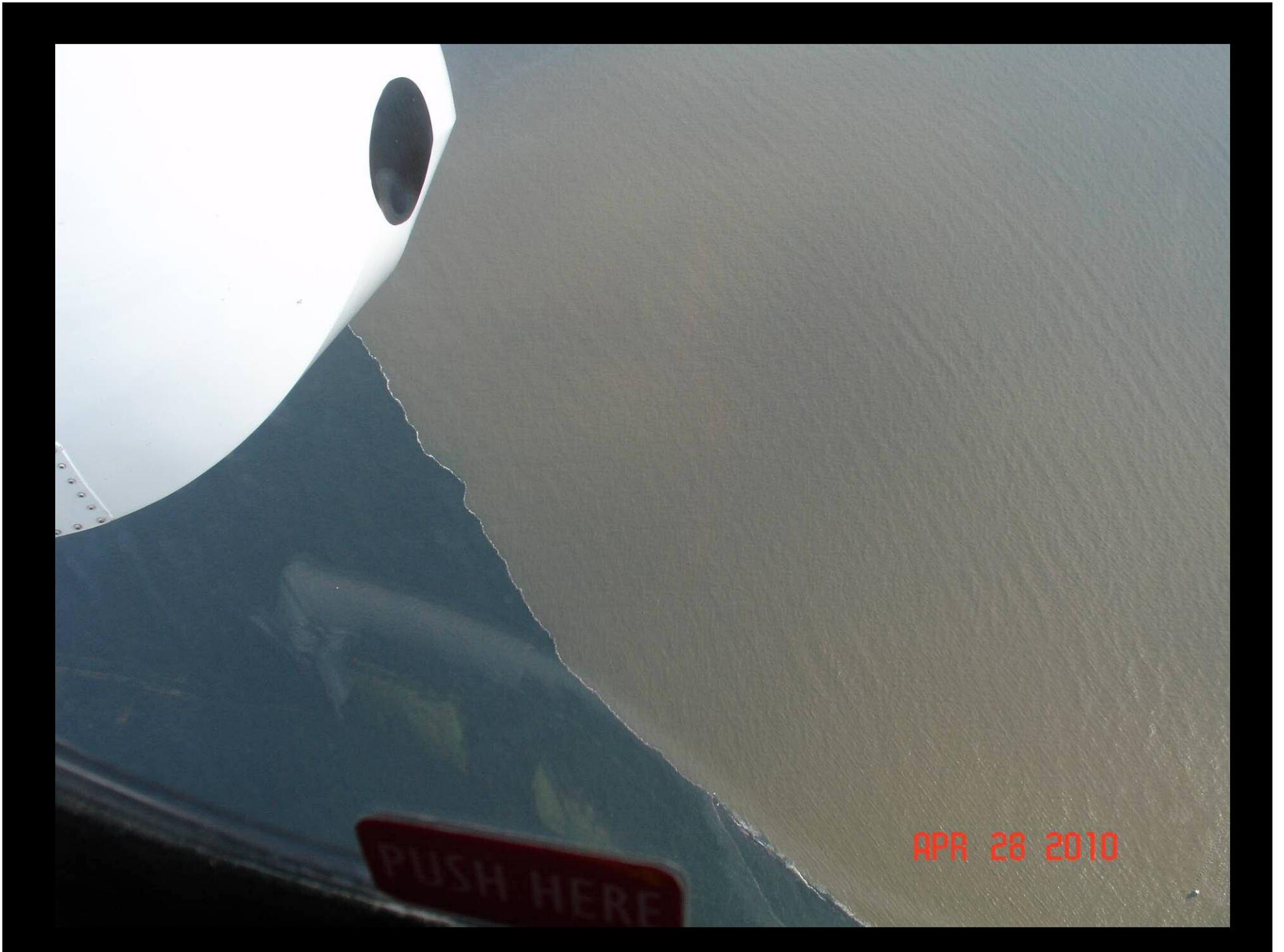
06/24/2010

10:40:29 AM

Dispersant Operations Tour 071610
Airborne Support Team

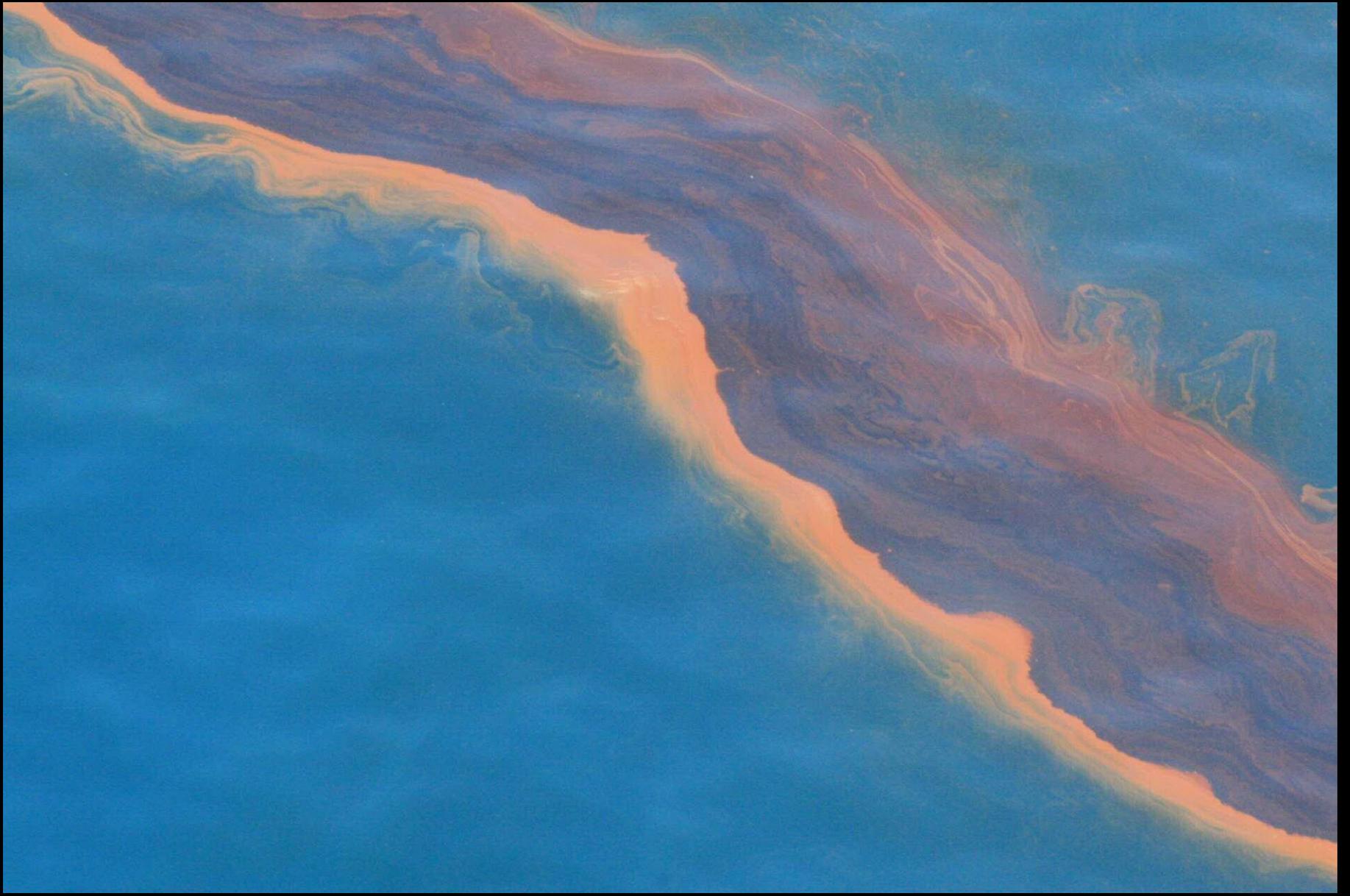


Airborne Support Dispersant Aircraft BT-67 application valves on wing



APR 28 2010

PUSH HERE







Mississippi Canyon 252 Overflight



W 088° 06.049'
N 30° 25.187'

07/03/2010
10:29:38 AM

