

Nearshore Surface Oil Forecast Deepwater Horizon MC252

NOAA/NOS/OR&R

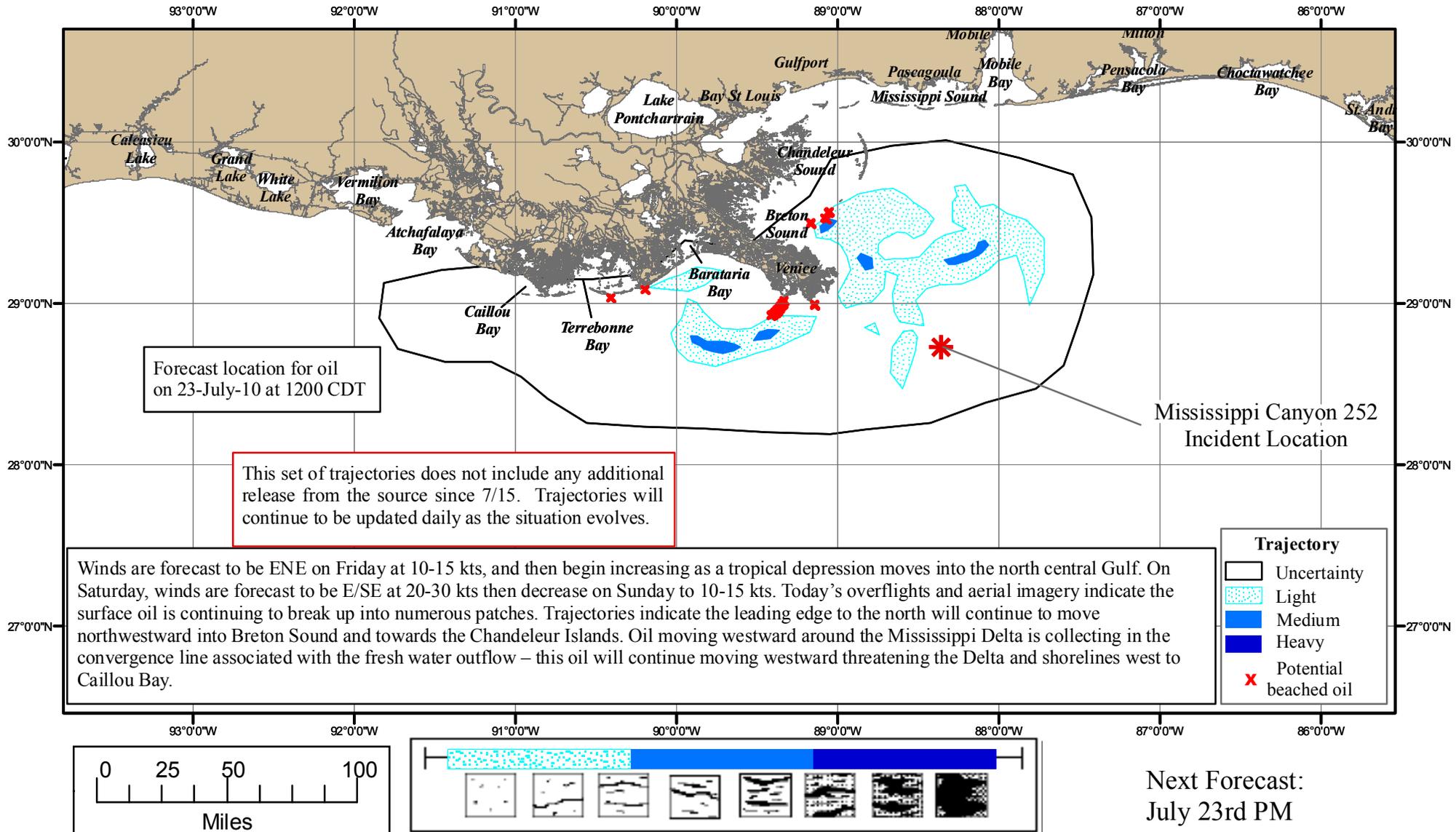
Nearshore



Estimate for: 1200 CDT, Friday, 7/23/10

Date Prepared: 2000 CDT, Thursday, 7/22/10

This forecast is based on the NWS spot forecast from Thursday, July 22 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 aerial imagery analysis (SLAR courtesy of Icelandic Coast Guard) 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.

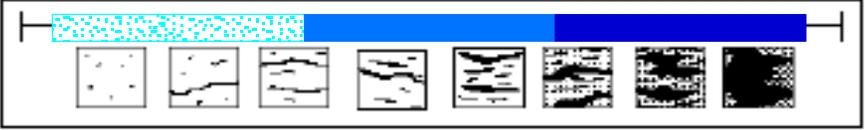
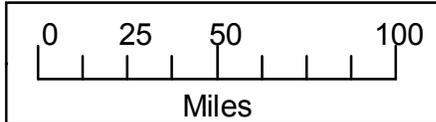


Forecast location for oil on 23-July-10 at 1200 CDT

This set of trajectories does not include any additional release from the source since 7/15. Trajectories will continue to be updated daily as the situation evolves.

Winds are forecast to be ENE on Friday at 10-15 kts, and then begin increasing as a tropical depression moves into the north central Gulf. On Saturday, winds are forecast to be E/SE at 20-30 kts then decrease on Sunday to 10-15 kts. Today's overflights and aerial imagery indicate the surface oil is continuing to break up into numerous patches. Trajectories indicate the leading edge to the north will continue to move northwestward into Breton Sound and towards the Chandeleur Islands. Oil moving westward around the Mississippi Delta is collecting in the convergence line associated with the fresh water outflow – this oil will continue moving westward threatening the Delta and shorelines west to Caillou Bay.

- 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 23rd PM