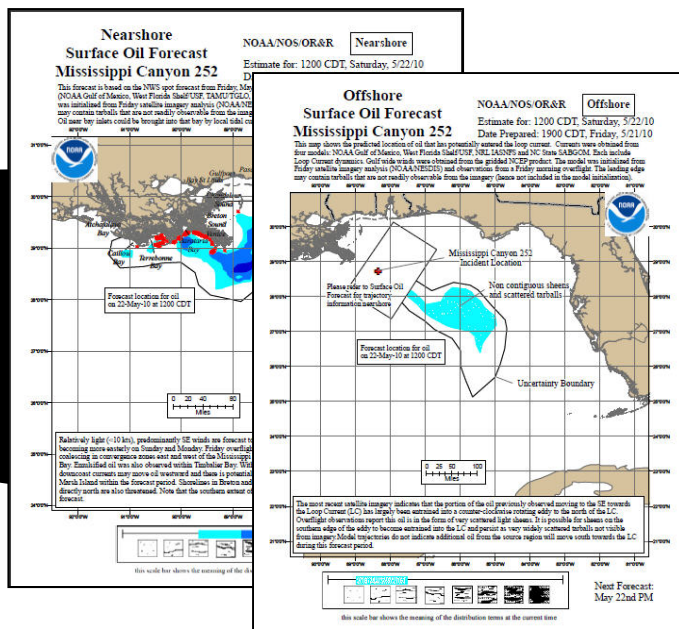


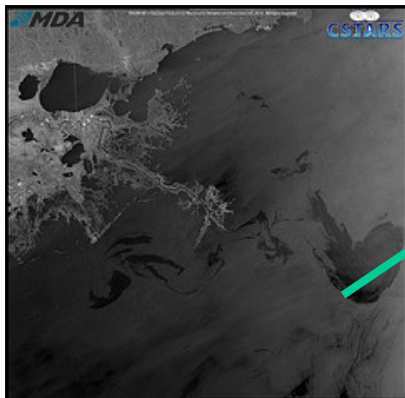
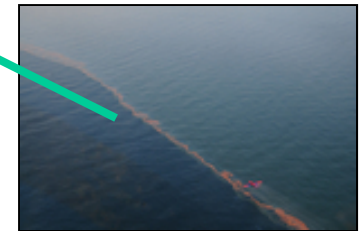
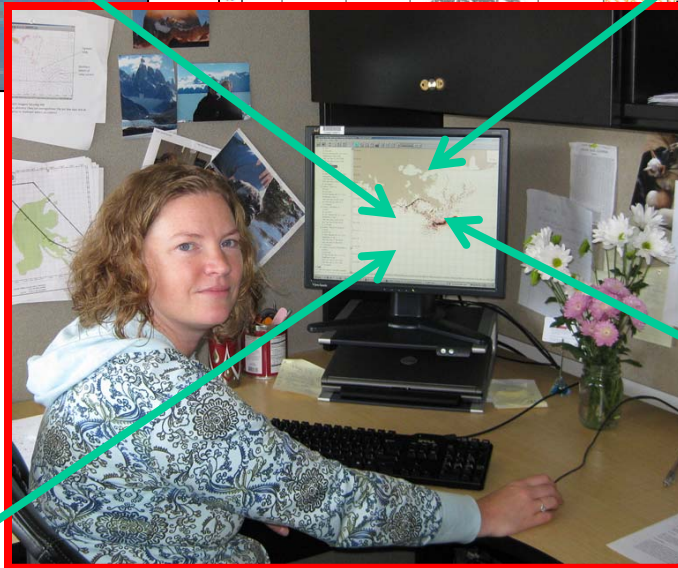
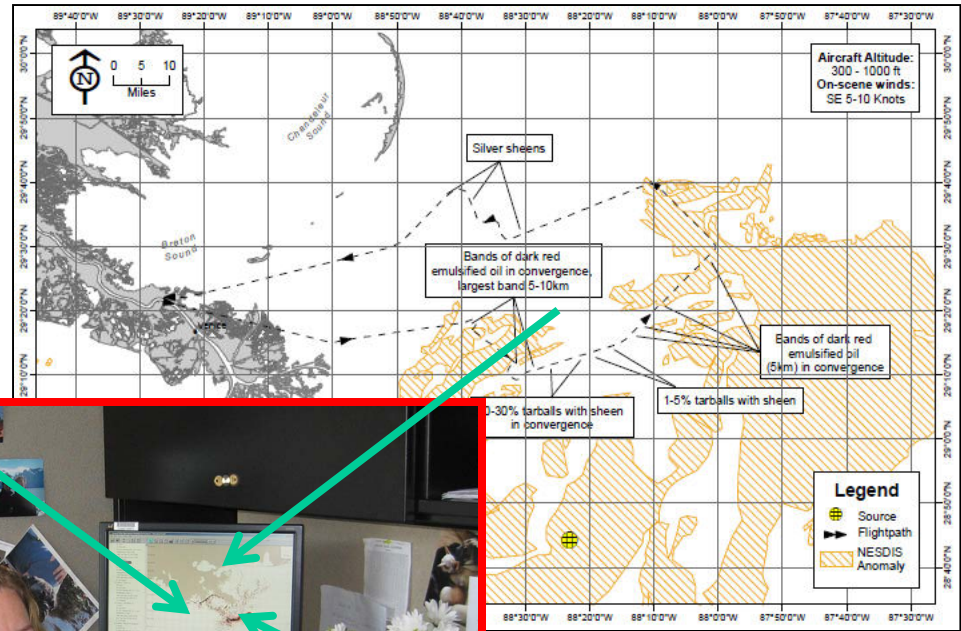
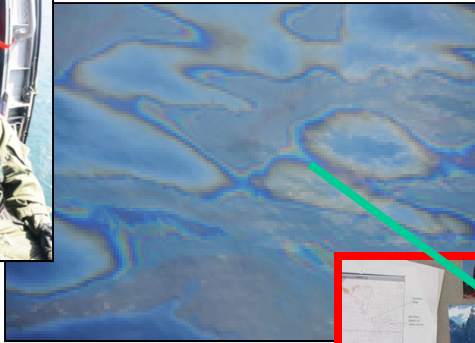


# Interpreting NOAA's Trajectory Prediction Maps for the Deepwater Horizon Oil Spill





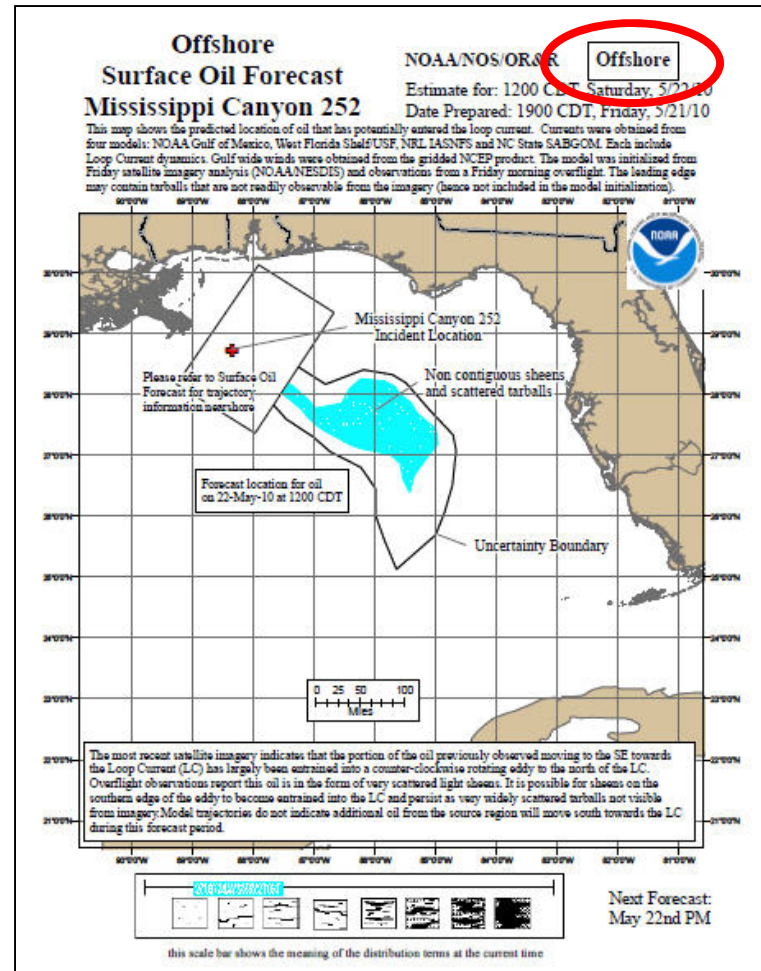
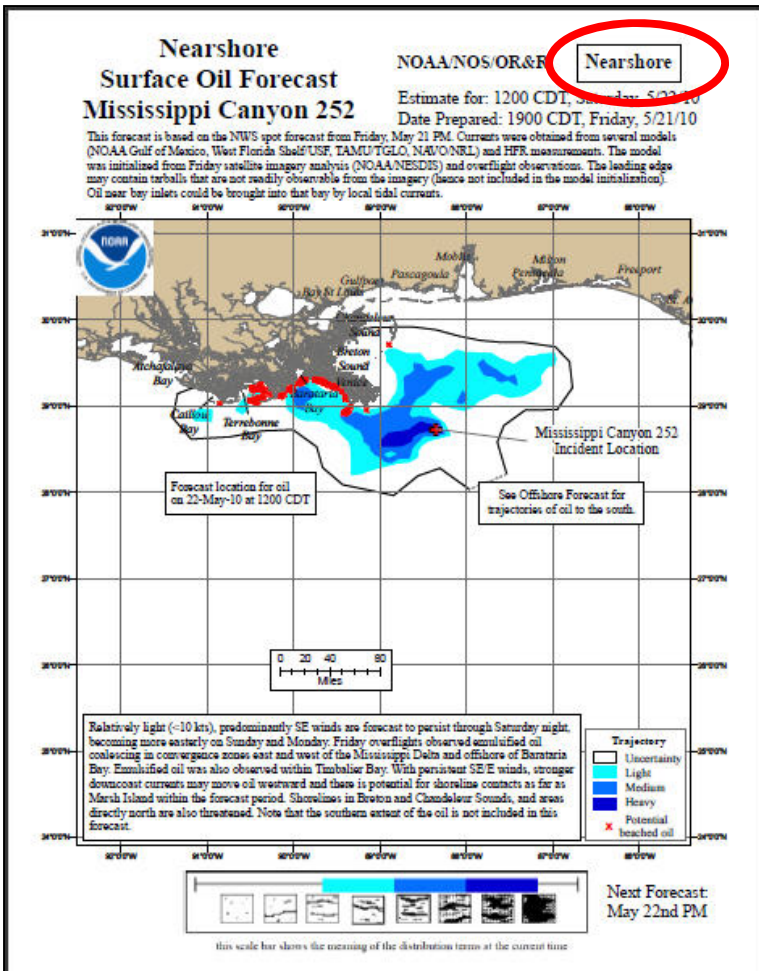
# How a trajectory forecast is created







# Two kinds of Surface Oil Forecasts each day

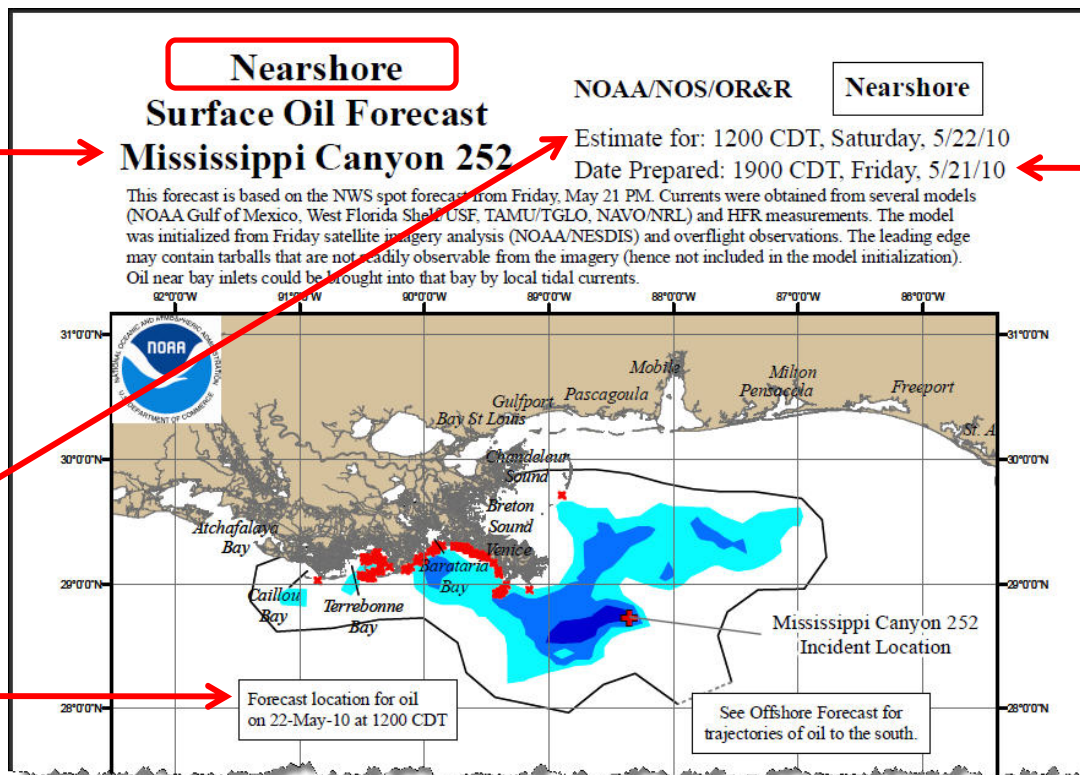




# Some basic information

NOAA's name for the Deepwater Horizon oil spill

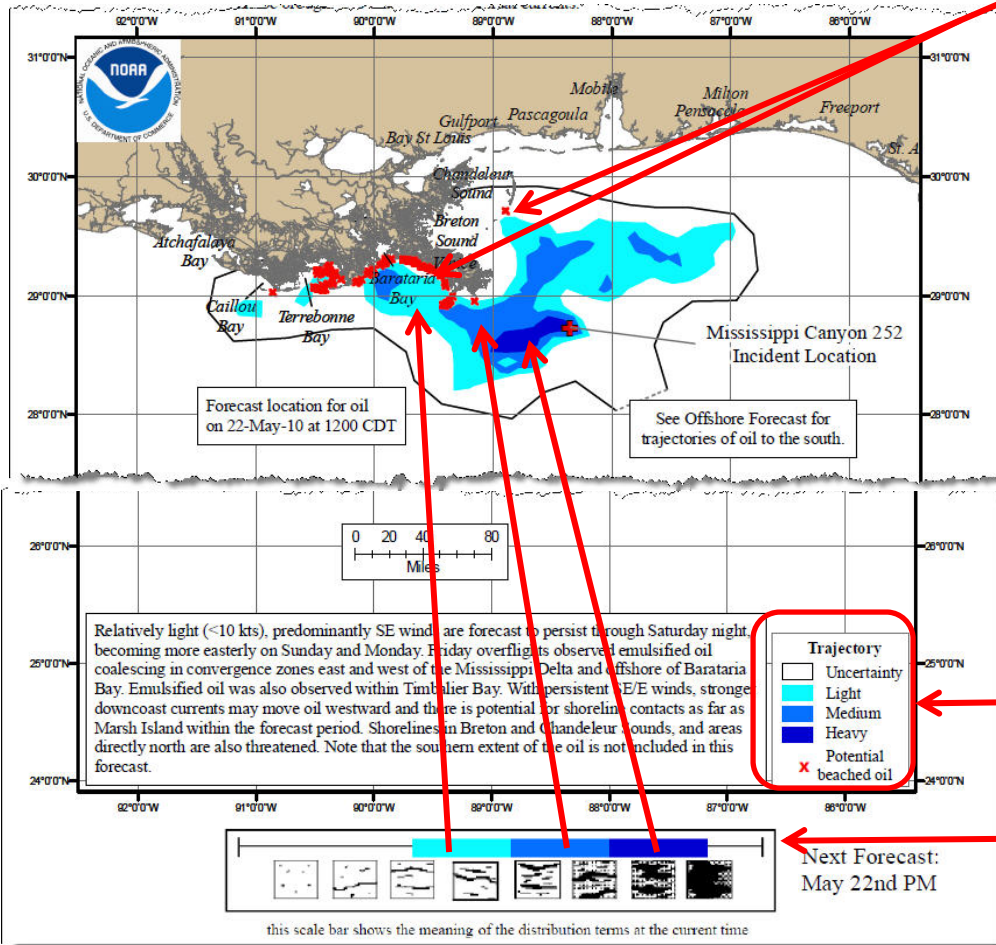
Predicted oil locations on the map are for this date and time



The map was prepared at this date and time



# Areas predicted to be oiled



Locations of potentially beached oil

Oil coverage legend

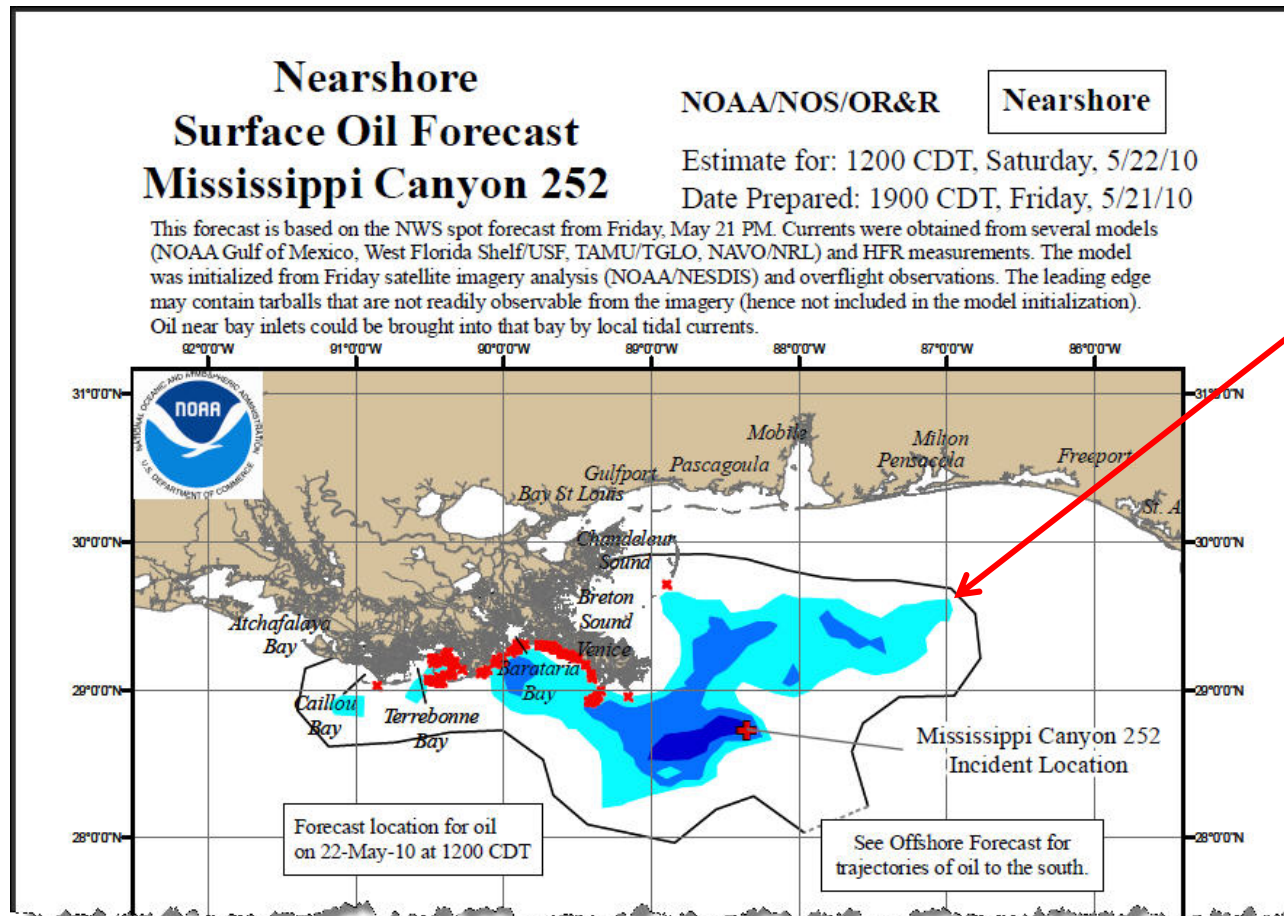
Oil coverage scale bar







# The uncertainty boundary

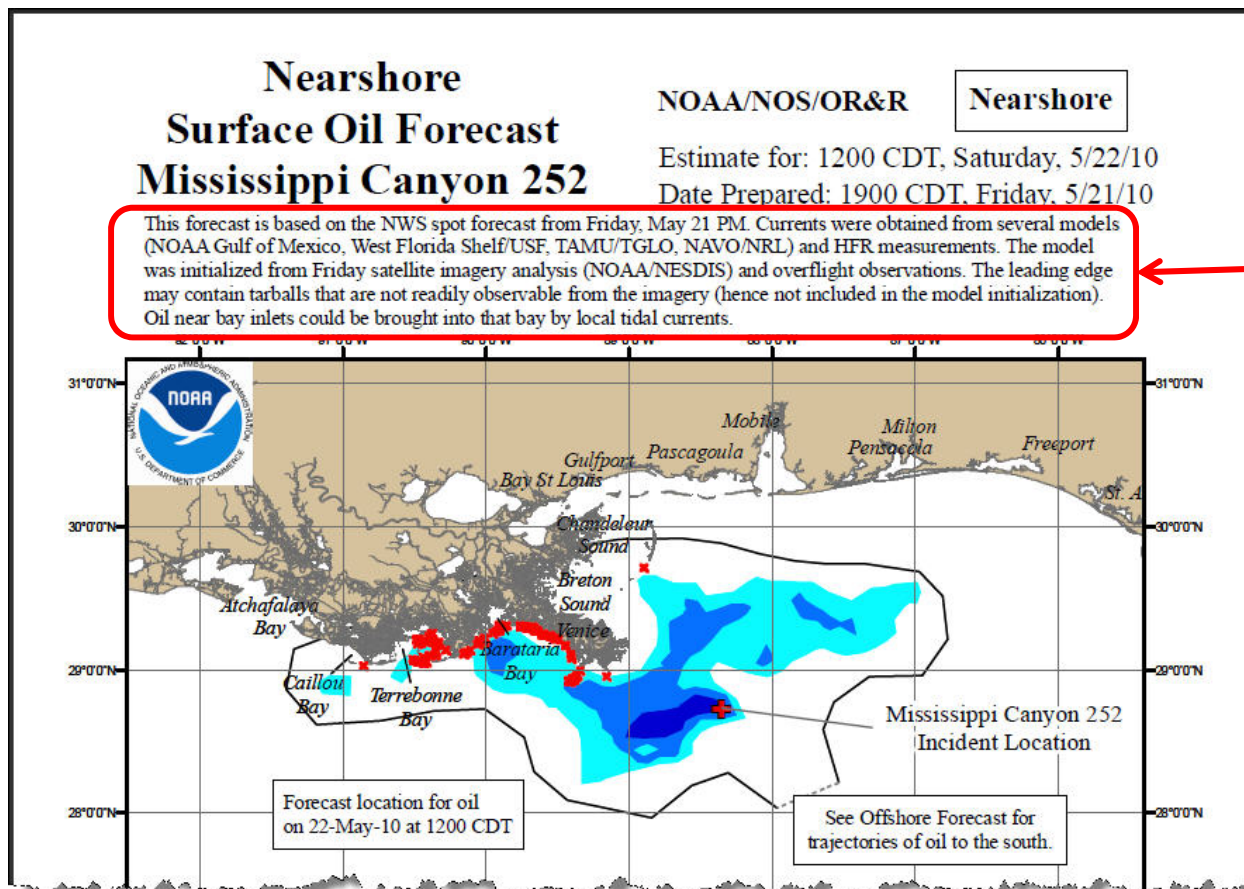


**Uncertainty Boundary**  
There's a chance oil could be located anywhere inside this line





# Text above the map

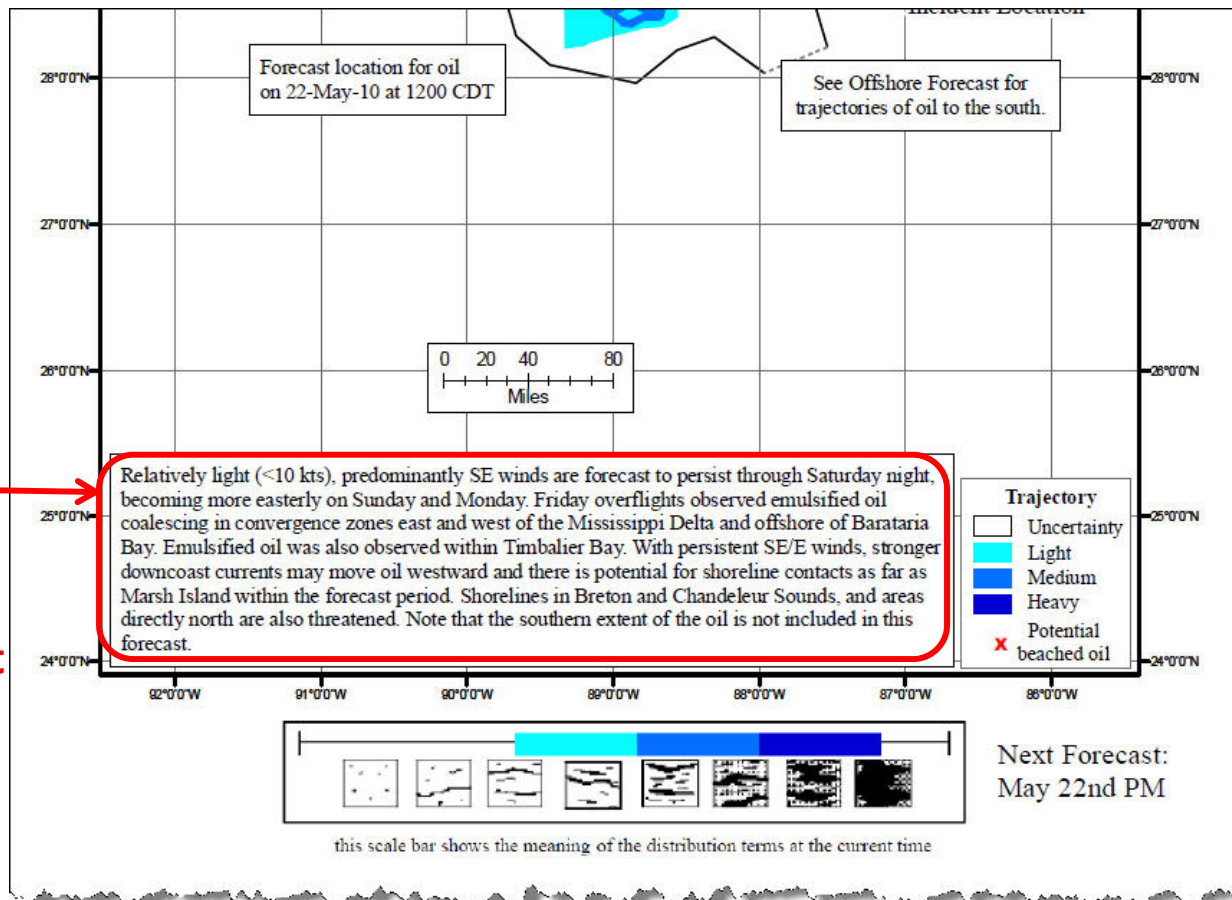


Information about how the oil trajectory was modeled





# Text below the map



Additional notes about the predicted oil movement



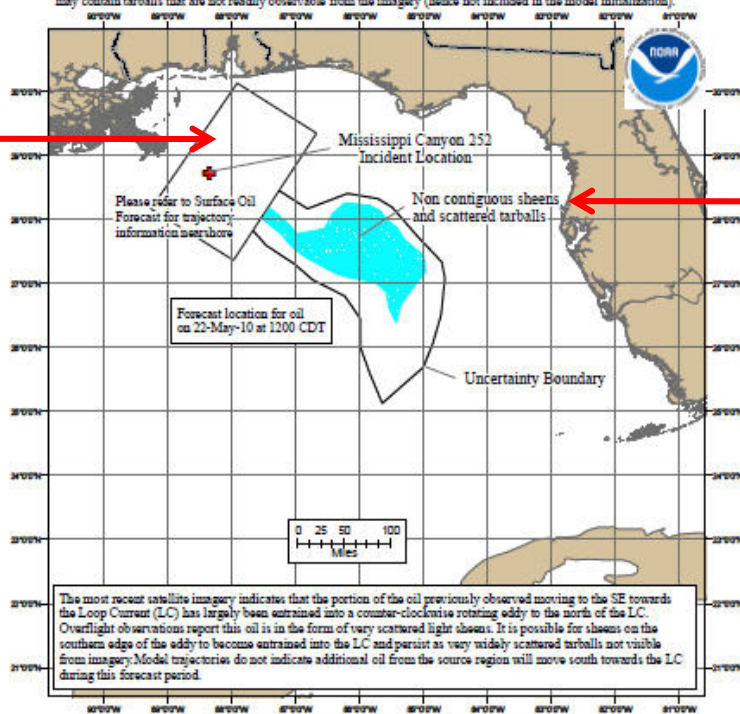




# The offshore map

**Offshore**  
**Surface Oil Forecast**  
**Mississippi Canyon 252**  
 NOAA/NOS/OR&R **Offshore**  
 Estimate for: 1200 CDT, Saturday, 5/22/10  
 Date Prepared: 1900 CDT, Friday, 5/21/10

This map shows the predicted location of oil that has potentially entered the loop current. Currents were obtained from four models: NOAA Gulf of Mexico, West Florida Shelf/USF, NRL IASNFS and NC State SABGOM. Each include Loop Current dynamics. Gulf wide winds were obtained from the gridded NCEP product. The model was initialized from Friday satellite imagery analysis (NOAA/NESDIS) and observations from a Friday morning overflight. The leading edge may contain tarballs that are not readily observable from the imagery (hence not included in the model initialization).



Box showing area covered by nearshore map

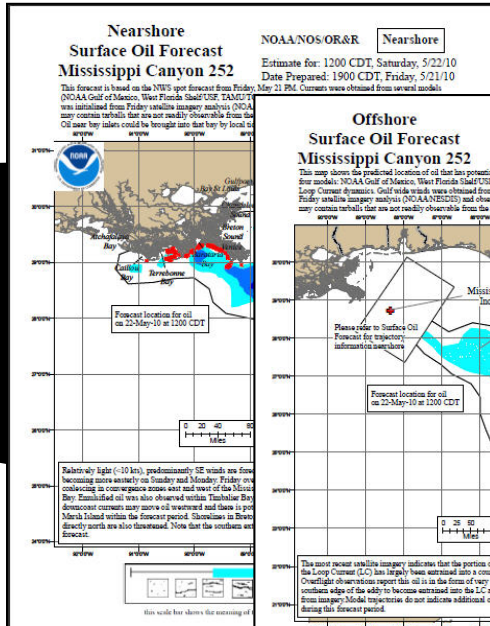
Additional information about the oil coverage



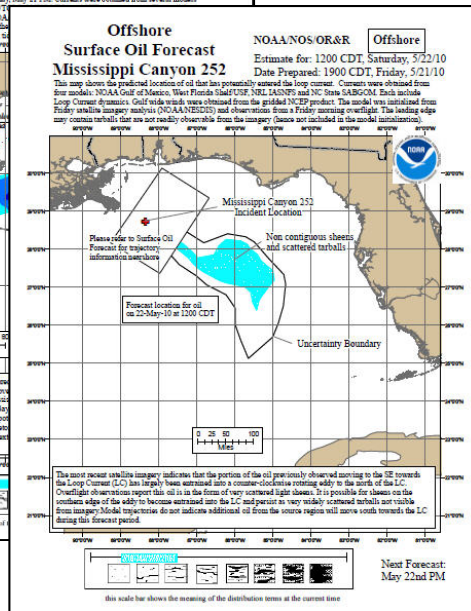
this scale bar shows the meaning of the distribution terms at the current time

Next Forecast:  
May 22nd PM





NOAA/NOS/OR&R **Nearshore**  
 Estimate for: 1200 CDT, Saturday, 5/22/10  
 Date Prepared: 1900 CDT, Friday, 5/21/10  
 May 21 PM. Currents were obtained from several models.



NOAA/NOS/OR&R **Offshore**  
 Estimate for: 1200 CDT, Saturday, 5/22/10  
 Date Prepared: 1900 CDT, Friday, 5/21/10

