

ROFFER'S OCEAN FISHING FORECASTING SERVICE, INC.
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ROFFS FISHERIES OCEANOGRAPHIC ANALYSIS
FOR THE OCRACOKE TO CAPE FEAR OFFSHORE LORAN
UPDATED ON FRI. 07 NOV. 2008 FOR FRI. P.M. & SAT. FISHING ONLY

Based on a multiple factor analysis, the symbols (hot spot dots) mark the areas where bait concentrations are expected and where fishing action is expected to be better compared with other (non-marked) areas. These are not based on dock rumors or hearsay fishing reports. Fishing reports are stated as such. You should start fishing where you recognize other signs of good fishing conditions near these marked areas. It is very important to use your sea surface temperature (sst°) gauge to locate the boundaries of the water masses, which are outlined. Rather than trying to find water based on the absolute temperature values shown on the map, search for the relative change in sst where the water mass boundaries occur. Arrows indicate the main current direction. Numbers inside of the dots indicate the number of consecutive days that we have seen favorable conditions in that location. Broken lines (small dotted lines) are water mass boundaries detected from the ocean color (chlorophyll + CDOM) satellite data.

We were able to see this area clearly today using both infrared (sea surface temperature) and ocean color (chlorophyll + CDOM and turbidity). North of this area we were unable to see the ocean due to the clouds. If you ordered the Hatteras analysis it will not be sent today. The conditions have changed substantially from yesterday. The eddy observed east of the Big Rock yesterday degenerated as it moved over the 20 fathom curve near 26990 & 39700. The Gulf Stream moved offshore, slowed and developed a larger eddy feature which was centered near 26925 & 39650. There is another eddy south of the Steeples off Cape Fear centered near 26765 & 39050, but this feature has degenerated and two smaller eddies have developed today. The Big Rock eddy is pulling the Gulf Stream water inshore along the 30 fathom curve. While the Cape Fear eddy is pushing the Gulf Stream northeastward over the 30-50 fathom depths it does not appear to be pulling the blue water inshore.

CAPE LOOKOUT: There is green, turbid cool (60-67°F) water along the coast by Cape Lookout. Some of this water is being pulled toward the Gulf Stream east of Drum Inlet. The boundary between this water and the blue clear Gulf Stream water (79.5°F) is over the 30 fathom curve and will improve your chances for fishing action from 26965 & 39805 to 26925 & 39950. We do not anticipate any significant change to these conditions overnight suggesting that the concentrations of bait fish forming there now will result in a concentration of larger fish such as wahoo, dolphin and tuna. The green cool water is also being pulled southward and although it forms a water mass boundary against blue, blue-green water the water is moving in an unfavorable offshore direction. However, some fishing action is likely near 27050 & 39500 as there has been a water mass boundary there for the last three days. Blue water mass boundary conditions have also resided over the 20 fathom curve for the last three days suggesting that fishing action is also likely near 27000 & 39640 to 27005 & 39585. Your chances for some fishing action will also be increased over the 100 fathom curve near the 96 Hole by 26950 & 39720.

South of the Big Rock the Gulf Stream is moving northward and will override the turbid water that was over the Swansboro Hole and Yellowfin Hole today. Presently the conditions are more favorable south near 26735-740 & 39350 by Yellowfin Hole as the Gulf Stream moved there this afternoon, but by fishing time Saturday morning there will be favorable conditions north over the Swansboro Hole area for some fishing action to occur as well. Oceanographically, the conditions east of Drum Inlet appear more favorable for fishing action than over Swansboro Hole – Yellowfin Hole.

CAPE FEAR: The western boundary of the blue water has been providing favorable conditions for fishing action with wahoo, tuna, dolphin and perhaps marlin over the 20 fathom Steeples near 27140 & 39060 for the last three days suggesting that good chances for fishing action occurs. Similar conditions continue to the Same Ole area near 27105 & 39120. The western boundary of the Gulf Stream has also been providing favorable conditions for fishing action over the 30 fathom curve near 26790 & 39175 for the last two days suggesting that your chances for fishing action will be improved.

EASTERN BOUNDARY: The eastern boundary of the Gulf Stream occurs east of this area.

Fall office hours: Mon. - Fri. 9:00 AM - 05:00 PM. Not open Saturday or Sunday until April 2009. If you are planning to fish on Sunday or Monday we will provide an analysis on Friday. If for some reason that Friday analysis is not useful for you, then call our office by Monday 5:00 PM to ask for a credit. **Remember you can DOWNLOAD your fishing analyses from our website (www.roffs.com).** Thank you for not sharing this analysis with non-paying fishermen. We survive on your honesty. Verbal updates are free between 10:30 a.m. and 11:59 a.m. please call. Remember you can order your fishing analyses via email or from our website.

