

**ROFFER'S OCEAN FISHING FORECASTING SERVICE, INC.**  
**TOLL FREE 800.677.7633 & (321) 723-5759 // 24 HR FAX (321) 723-6134//fish6@ROFFS.COM**  
**ROFFS FISHERIES OCEANOGRAPHIC ANALYSIS**  
**FOR THE HATTERAS OFFSHORE (THE POINT TO BIG ROCK) LORAN**  
**UPDATED ON WED. 11 JUNE 2008 FOR WED. P.M. & THURS. 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 again today, although we had some cloud interference and artifacts from the high uneven atmospheric moisture. We overcame the artifacts using the NASA ocean color imagery. The estimated early morning sst of the Gulf Stream is 83.6°F-83.4°F. There still remains a substantial pool of blue 82.5°F-82.0°F water over the inshore areas south of Ocracoke. The conditions continue to change as the Gulf Stream has developed a meander (bend) due to the eastward motion of the Gulf Stream east of Cape Fear. We are not certain if this motion was caused by the eddy south of this area, but the eddy south has elongated and is likely to accelerate into this area Saturday by fishing time. As it is elongating, accelerating and likely to be over the 300 fathom depths we do not anticipate that it will provide a substantial improvement in the fishing action as the center of this eddy has not developed a phytoplankton bloom that would be associated with good fishing action. The western side of the meander in the Gulf Stream appeared to be centered near 26925 & 39800 this afternoon and as it flows the center section is pushing water toward the 100 fathom curve which is a favorable motion for fishing action. If it continues to move as it has the last 12 hours, then the section between 26925 & 39825 and 26890 & 40050 will have favorable conditions tomorrow. Based on what we are observing now, it appears likely that tomorrow and Friday morning provides the best chances for fishing action for the remainder of the week unless something dramatically changes in the eddy circulation south of Cape Fear.

**CAPE LOOKOUT:** Your chances for fishing action will be good over the 50-100 fathom curve including the Nordal Wreck near 26910-900 & 39990-4000. Additional improved chances for fishing action are also suggested over the 100 fathom curve 26920 & 39870 and the L. Matkovic Wreck in the morning if the current is still pushing northward. While we have observed relatively favorable water mass boundaries over the 100 fathom curve near 26945 & 39725 the last four days, the current is likely to be moving offshore in this area by morning suggesting a substantial decline in the fishing action. Similarly we have seen relatively favorable conditions the last four days over the Big Rock near 26980 & 39430 (50-70 fathom depths) and 27000 & 39515 (20-35 fathoms), the offshore motion suggests that only scattered and overall slow fishing action is likely over the Big Rock area. Similar offshore motion is unfavorable for the other areas (near 27005 & 39430 and 27020 & 39400) where we had seen relatively favorable conditions for the last four days.

**CAPE HATTERAS:** East of Ocracoke the 50-100 fathom area near 26850 & 40070 is also likely to provide fishing action since we have seen favorable conditions for the last three days over the 50-75 fathom depths and due to the push of the Gulf Stream. You should also evaluate the conditions over the Venore and Blue Fields Wrecks offshore. Further north we anticipate an improvement in the fishing action in the late morning and afternoon near 26860 & 40210 and north to 26850 & 40290 where we have observed favorable conditions for the last two and eight days respectively. North of Diamond Shoals it remains to be seen how far the meander will move north. However, your chances for some fishing action will be improved over the 20 -50 fathom depths (near 26840 & 4030 and 27825 & 40410), as well as, over the 100 fathom curve near 26790 & 40510 where relatively favorable conditions have been seen the last three days.

**EASTERN BOUNDARY:** Water from the eastern side of the Gulf Stream offshore of Georgetown, SC appears with sst of 82.0°F-82.5°F. Some improved chances for fishing action occur along this boundary that is likely to move east of its present position by 10 miles south of 39000 and approximately five miles north, but east of Ocracoke we anticipate that the band of water will be between 26850 & 39900 and 26750 & 40210

**A QUICKTIME™ MOVIE WILL BE SENT VIA EMAIL TO ALL CLIENTS WHO ORDERED BOTH ANALYSES AREAS. If you are planning to fish the Hatteras Marlin Invitational Monday, please call our office to schedule receipt of your analyses.**

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. **SUMMER office hours: Mon. - Fri. 9:00 AM - 09:00 PM. Saturday hours: 9:00 AM – 5:00 PM, but sometimes we will close earlier depending on demand, clouds, weather. Requests for analyses should be called on Saturdays by noon during May/June and 1:00 PM during July-August so we can schedule our staff's hours.**

