

ROFFER'S OCEAN FISHING FORECASTING SERVICE, INC. TOLL FREE 800 677-7633 & (321) 723-5759 // Email: fish7@roffs.com

ROFFS™ FISHERIES OCEANOGRAPHIC ANALYSIS FOR THE KEY LARGO TO SUGARLOAF KEY AREA (LAT./LONG.)

UPDATED ON THURSDAY 20 JANUARY 2011 FOR THURSDAY P.M. AND FRIDAY FISHING ONLY

Based on a multiple factor analysis, the symbols (hot spot spots) 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.

We continue to observe the ocean conditions relatively clearly today using a combination of infrared and MODIS chlorophyll satellite data from late this morning through late this afternoon. The morning estimated sst of the main body of the Gulf Stream is 75.1°F-75.8°F. Overall, we continue to observe multiple eddy features, although smaller than at the beginning of the week, moving rapidly eastward along the northern inshore edge of the main body of the Gulf Stream well offshore of the 100 fathom ledge. Although the unstable and changing conditions offshore suggest slow and scattered action, we continue to observe a large elongated finger of blended blue to blue 72.2°F-73.4°F water being pulled inshore over the 20 and 50 fathom ledges providing increased chances for fishing action with a combination of tuna, dolphin, wahoo and billfish (sailfish and marlin), especially where conditions have remained favorable for the past two days offshore of Long Key just inshore of the 100 fathom ledge from near 80°39'W & 24°43'N to 80°47'W & 24°40'N to near 80°56'W & 24°36'N. East southeast of Islamorada, increased chances for sailfish action is also likely to occur along the inshore edge of the warmer 73.9°F-78.4°F finger of Gulf Stream water where it lies along 50 fathoms from 80°16'W & 25°02'N to 80°23'W & 24°53'N to near 80°27'W & 24°53'N. If you are interested in fishing even farther offshore for marlin and swordfish, we suggest fishing the Islamorada Humps where the warmer to cooler 73.4°F-72.2°F water mass boundary zone is likely to continue to occur by morning providing increased chances for action near 80°27'W & 24°43'N and 80°31'W & 24°41'N.

The ocean conditions offshore of Marathon suggest increased chances for fishing action will occur along the inshore edge of the finger of blended blue 72.2°F water where it lies over 20 fathom depths and where conditions have remained favorable for two days from near 81°24'W & 24°32'N to 81°38'W & 24°29'N to 81°47'W & 24°27'N to near 81°52'W & 24°27'N. As you continue farther offshore, the water will turn to a cleaner blue color while warming to 73.4°F providing additional chances for fishing action where conditions have also remained stable for multiple days just inshore of the Ups and Downs from near 81°20'W & 24°28'N to 81°28'W & 24°27'N to near 81°41'W & 24°25'N, as well as, over the Ups and Downs themselves near 81°16'W & 24°28'N and 81°21'W & 24°26'N.

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