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**ROFFS™ FISHERIES OCEANOGRAPHIC ANALYSIS FOR THE BIMINI OFFSHORE AREA (LAT./LONG.)
UPDATED ON FRIDAY 31 MAY 2019 FOR FRIDAY P.M. AND SATURDAY 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 were able to observe the ocean conditions in this area relatively clearly and we were able to complete this analysis using a combination of high resolution SST satellite imagery from this morning through early this afternoon. We continue to be able to follow the overall ocean circulation in this area rather well. Today, we have provided an ocean color/chlorophyll image along with today's analysis created from this afternoon's imagery in order for you to see the true water colors in this area (sorry, email only – white = cloud cover). The ocean color imagery continues to play a vital role in completing our analysis of the ocean conditions in this area. Please keep in mind that due to scattered cloud cover, haze and high levels of atmospheric moisture in this area along with afternoon differential heating of the water masses that we continue to have a challenging time calibrating our SST. Please remember to look for relative rather than absolute SST while out on the water fishing especially during the hot afternoon hours and use what we have shown here as a guide. Keep in mind that with the forecasted hot afternoon air temperatures forecasted throughout this weekend, that the SST you observe while out on the water may actually be 0.5°F-1.0°F WARMER than what we have shown here – especially during the afternoon hours. On your way offshore, keep a keen eye out for birds, bait and weed lines, as they are classic indicators for concentrations of fish even where there is green water. Today, we have indicated areas which are likely to increase your overall chances for fishing action with tuna, wahoo, dolphin and billfish with relatively better chances for fishing action occurring in the areas where the ocean conditions have remained favorable for multiple consecutive days.

Overall, we continue to observe the eastern edge of the dark blue Gulf Stream water (morning SST 82.2°F-83.2°F), which continues to be observed over the western portion of this area pushing towards the areas of good bottom west/northwest of Bimini, west of the Tuna City towards the Suburbs and also northeastward over the ledges towards Settlement Point, Memory Rock and towards the Casey's Canyons west of the White Sand Ridge. South of Grand Bahama Island we continue to observe the circulation of a counter-clockwise rotating eddy feature centered northeast of the Tuna Canyon area towards 78°15'W & 26°15'-20'N which continues to push clean blue water towards the ledges along the southern side of Grand Bahama Island.

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With this in mind, on your way eastward towards Bimini, the eastern edge of the warmer dark blue core of the Gulf Stream (83.2°F) water is likely to provide increased chances for fishing action with tuna, wahoo, dolphin and billfish where we observed these conditions from 79°21'W & 26°21-22'N to 79°30'W & 26°06'N to 79°34'W & 25°51'N to 79°34'W & 25°34'N to 79°31-32'W & 25°13-14'N. Eastward, closer to Bimini, over the ledges southwest of the West Peak and southwestward over the Bimini Blue Marlin Grounds and towards the Hole area, the eastern edge of the warmer dark blue (82.2°F) Gulf Stream water appears to have remained favorable for all week now suggesting good action is likely to happen from 79°13'W & 26°02'N (4) to 79°10'W & 25°55'N (x) to 79°16-17'W & 25°47'N (x) to 79°18-19'W & 25°42'N (x) with additional chances for action occurring further southward south of Bimini over the ledges towards 79°16'W & 25°29-30'N (6) and 79°14-15'W & 25°25'N (6). Northeastward towards the area east of the Four Tops and southeastward towards the ledges the southwestern edge of the band of warmer (82.2°F) water may also provide action particularly where we observed these conditions for two and three days now near 78°53-54'W & 26°06'N (2) and 78°40-41'W & 25°58-59'N (3).

Northward, on your way eastward towards Grand Bahama Island towards the area west of the Tuna City, towards the Suburbs area and northward towards the area west of Casey's Canyons, the eastern edge of the dark blue (83.2°F) Gulf Stream water is likely to provide relatively good overall chances for yellowfin tuna, dolphin and billfish action particularly where we observed these conditions for two days now from 79°15-16'W & 26°42'N (2) to 79°16'W & 26°51'N (2) to 79°20-21'W & 27°08-09'N (2) to 79°27'W & 27°27'N (2). Eastward, over the 100-250 fathom ledges towards the area west of Memory Rock the edges of the Gulf Stream blue (81.7°F) water appears to continue to push over the ledges just as it has all week now suggesting good chances for fishing action with tuna, wahoo, dolphin and billfish are likely to occur where we observed these conditions from 79°05'W & 26°53'N (x) to 79°08'W & 26°59'N (x) with increased chances for action occurring further northward towards the Casey's Canyons and northward along the 250 fathom ledge where we observed these conditions for the first time today.

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