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FISHERIES OCEANOGRAPHIC ANALYSIS FOR THE BEACH HAVEN TO OCEAN CITY (MD) INSHORE (LAT/LONG)

UPDATED ON WEDNESDAY 12 AUGUST 2020 FOR WED. P.M. & THURSDAY 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 are 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. 1 fathom = approximately 6 feet. Afternoon SST is likely to be 1.0°F or greater than indicated by the morning calibration on this analysis. **NUMBERS IN PERENTHESIS AFTER LOCATIONS ARE NUMBER OF DAYS THAT SPOT HAS BEEN FAVORABLE.**

We now provide cloud-free SST and ocean color/chlorophyll data from our new partner Fathom Science™ for at 6am forecast for the next day. This data is cutting-edge, high resolution, cloud-free modeled data that has been evaluated and validated by ROFFS™ along with other oceanographic scientists and proven to be the most accurate cloud-free data available to guide you in the right direction to increase your chances for fishing action. The cloud-free data will not be as accurate as the real time satellite imagery, but it will guide you to the general area for the better features, especially when it is cloudy. For more information please visit <https://www.roffs.com/faqs/>

We were able to use today's infrared sst° and MODIS/VIIRS/Sentinel chl/ocean color satellite imagery for this analysis area to follow the oceanographic conditions for the past 10+ days. Overall, we continue to observe an overall southwestern movement of these oceanographic conditions by 10-15 miles over 24-36 hours. We have observed a relatively large, counter-clockwise rotating eddy formation over the 12-14 fathom depths southeast of Atlantic City (Centered near 74°12'W & 39°03'N). This eddy formation has pulled a filament of warmer (75/76°F) blue green water towards the 10 fathom depths southeast of Atlantic City. Additionally, a relatively undefined counter-clockwise center of rotation may also be developing southeast of Cape May. This feature has brought a larger filament of warmer (75/76°F) blue green to blended blue water inshore, towards the 10 fathom good bottom southeast of Cape May as well. Southeast, we have observed warmer (79°F) blended blue water push northwards, slightly, towards Massey's Canyon. We have also included this afternoon and today's ocean color/chlorophyll composite image so you can get a sense of where the bluer and greener water is located (email only, white=clouds).

With this in mind, the better chances for inshore tuna (bluefin/yellowfin), dolphin, and wahoo fishing action is likely to occur over the 20 fathom good bottom southeast of Atlantic City near the Cigar (near 74°14'W & 38°55'N (6) and 74°06'W & 38°56'N (4)) where favorable (73°F-76°F) blue green to blended blue water mass boundary conditions have been observed for four to six days. These conditions suggest good chances for fishing action to occur. Continuing east of the Cigar, towards the 20 fathom good bottom west of Lemke Canyon (near 73°56'W & 39°02'N (2)) or west towards 10 fathom good bottom (near 74°26'W & 38°57'N (2) and 74°34'W & 38°55'N (2)) similar water mass boundary conditions have been observed for two days suggesting increased chances for fishing action to occur as well. Additional good chances for fishing are likely to occur over the 30 fathom wreck and good bottom near the Edward Cole (near 73°20'W & 39°12'N (6)) we have observed cooler (76°F-77°F) blue green water mass boundary conditions for six days. West, over 20 fathom good bottom (near 73°40'W & 39°20'N and 73°50'W & 39°18'N (2)) favorable (74°F-76°F) blue green water mass boundary conditions have been observed for one to two days suggesting additional increased chances for fishing action to occur as well.

Further south, we have observed additional good chances for inshore tuna, dolphin, and wahoo fishing action along relatively strong (74/75°F-77/79°F) blue green to blended blue water mass boundary conditions near the Dump Site and Massey's Canyon towards the Sausages (from near 74°15'W & 38°30'N (4), 74°20'W & 38°25'N (4), 74°26'W & 38°20'N (4), 74°37'W & 38°10'N (4), and 74°26'W & 38°04'N (3)) for three to four days. These conditions suggest additional good chances for inshore tuna fishing action to occur as well.

ROFFS™ SUMMER Hours: Mon – Fri. 9:00 am – 7:00 pm EDT (sometimes later based on demand) with analysis order deadline before 3pm. We are now open on Saturdays 9AM to 4PM (sometimes we close earlier based on demand) analysis order deadline is 9:00am on Saturday. Thank you for not sharing this analysis with non-paying anglers. Remember you can order and/or purchase your fishing analyses from our website (<http://www.roffs.com/>) or by email (fishing@roffs.com). Verbal updates are free while on the water between 10:30 AM and 11:59 AM (eastern time). **The ROFFS™ Graphic analysis is on the next page.**



