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**FISHERIES OCEANOGRAPHIC ANALYSIS FOR THE
HUDSON CANYON TO BALTIMORE CANYON OFFSHORE (LAT/LONG)
UPDATED ON MONDAY 10 AUGUST 2020 FOR MONDAY P.M. & TUESDAY 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-2.0°F or greater than indicated by the morning calibration on this analysis. **NUMBERS IN PARENTHESIS 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 have observed a relatively large, clockwise rotating eddy formation offshore of Spencer and Lindenkohl Canyons (centered near 72°18'W & 38°20'N). Relatively strong (3°F-4°F) blended blue to bluer water mass boundary conditions have been observed along the northwestern edges of this eddy, over ~1250 fathom depths from Carteret Canyon to east of Wilmington Canyon. The western edges of this eddy formation, south of Wilmington Canyon, have become relatively unstable. Particularly as cooler (76/77°F) green water appears to be moving offshore, across the southern Hayes Canyons. However, we anticipate some of the warmer (78/79°F) blended blue water to move towards the Hayes Canyons by tomorrow morning. Further north, we have observed a counter-clockwise center of rotation south of Hudson Canyon. This appears to be pulling a filament of cooler (75°F) blue green water in an unfavorable offshore direction across Toms Canyon. Cooler (75°F) green/blue green water has been observed across Lemke Canyon and south of Chicken Canyon, inshore. We have also included an ocean color/chlorophyll composite image from yesterday afternoon and today 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 tuna, marlin, and swordfish fishing action are likely to occur over the ~1250 fathom depths off of Carteret and Lindenkohl Canyon (near 72°40'W & 38°32'N (4), 72°30'W & 38°38'N (2), and 72°20'W & 38°40'N (3)) where favorable (76/77°F) blended blue to bluer water mass boundary conditions have been observed for two to four days. These conditions suggest good chances for offshore fishing action to occur. You may also try fishing off of Spencer and Wilmington Canyons (near 72°55'W & 38°20'N (2) and 73°05'W & 38°15'N (2)) where favorable (78°F-81°F) blended blue to bluer water mass boundary conditions have been observed for two days. We have also observe favorable, but different, (78°F-79/80°F) blended blue/bluer water mass boundary conditions pushing west, towards Wilmington Canyon (near 73°15'W & 38°16'N (3)) for the past three days. These conditions suggest additional good chances for fishing action to occur. We have also observed similar water mass boundary conditions south of Wilmington Canyon, towards the 1500 fathom curve. However, keep in mind, these boundaries are less stable than along the northwestern edges of the eddy formation off of Carteret to Spencer Canyons.

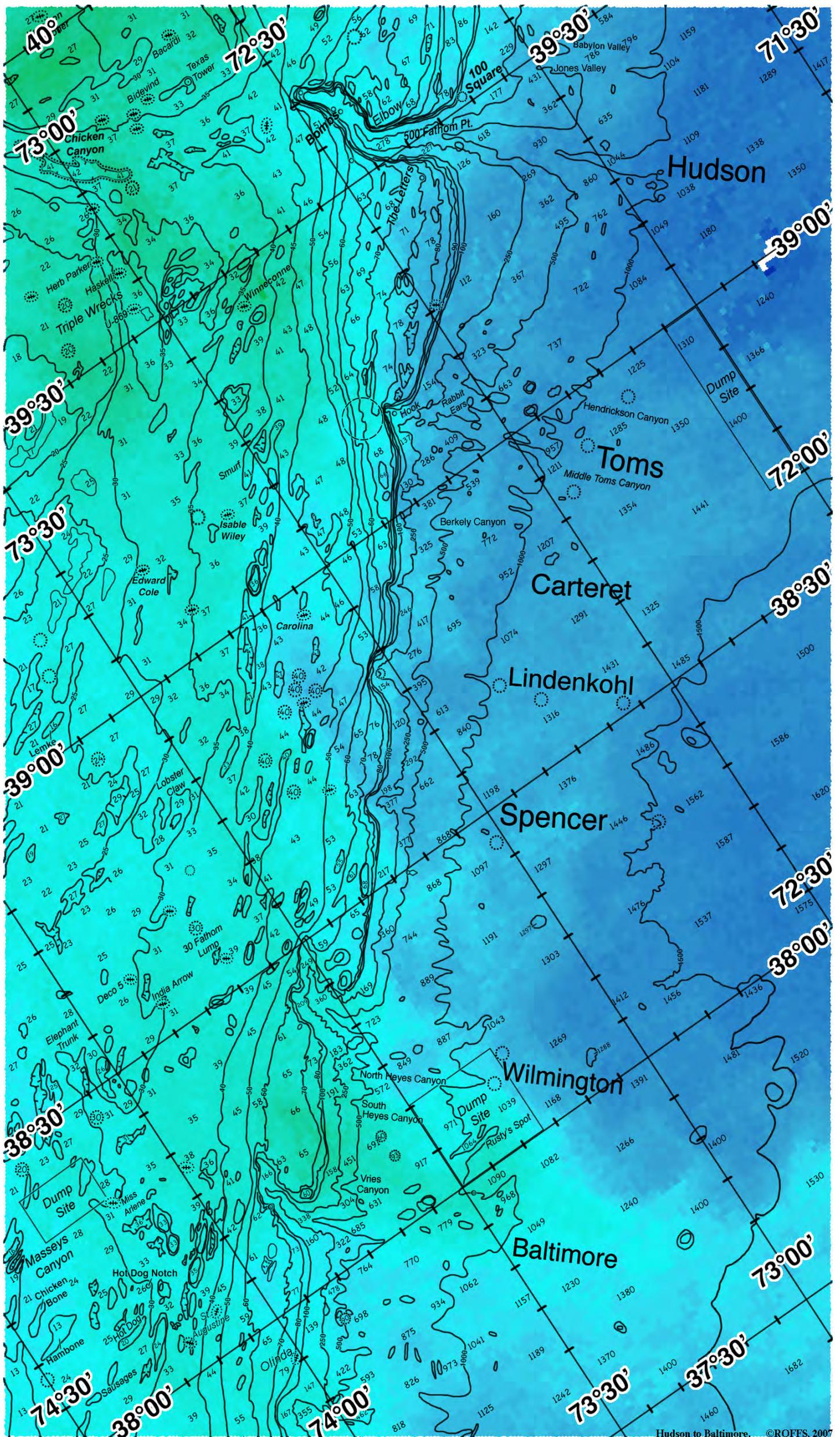
On your way offshore, keep a keen eye out for weedlines, birds, bait, and other signs of life as these are classic signs of water mass boundary conditions. Over the 100 fathom ledge of Toms Canyon (near 72°42'W & 39°12'N (X)) we have observed cooler (77°F-76/75°F) blue green to blended blue water mass boundary conditions for ten days. These conditions suggest very good chances for fishing action to occur. Keep in mind, though, this area may be experiencing unfavorable offshore flow of water. This offshore flow of water is often associated with reduced overall fishing productivity. Another option is to head towards the southern side of the Rabbit Ears (near 72°38'W & 39°04'N (2) to 72°40'W & 38°55'N (2)) where favorable (75/76°F-77/78°F) blended blue to bluer water mass boundary conditions have been observed moving southwest, by the counter-clockwise center of rotation south of Hudson Canyon. East (near 72°30'W & 39°05'N (3)) favorable (77/78°F) blended blue/bluer water mass boundary conditions have been observed for three days. These conditions suggest increased chances for offshore tuna and billfish fishing action to occur. Additional increased

chances for offshore fishing action are likely to occur over the 500 fathom good bottom southeast of Hudson Canyon (near 72°08'W & 39°15'N (2)) where warmer (78°F-80°F) bluer water mass boundary conditions have been observed pushing into good bottom.

Inshore, we have observed good chances for fishing action over Lemke Canyon (near 73°42'W & 39°03'N (4)) where favorable (75/76°F) green/blue green/green water mass boundary conditions have been observed for four days. From here, head towards the 30 fathom good bottom near the Edward Cole (near 73°20'W & 39°10'N (4)) and inshore of the Lobster Claw (near 73°38'W & 38°55'N (3)) where warmer (76/77°F) blue green to greener water mass boundary conditions have been observed for three to four days as well. These conditions suggest good chances for inshore tuna fishing action to occur. For those fishing inshore further north, you may also want to try fishing near Chicken Canyon (near 72°58'W & 39°52'N (3)) where favorable (75/76°F) green/blue green water mass boundary conditions have been observed for three days as well.

For those heading inshore by Baltimore Canyon, increased chances for inshore tuna fishing action are likely to occur near Massey's Canyon and the Chicken Bone (near 74°22'W & 38°20'N (2) and 74°20'W & 38°15'N (2)) to the Hambone (near 74°30'W & 38°07'N (2)) where favorable (74°F-76/77°F) green to blue green water mass boundary conditions have been observed for two days as well. From here, head towards the tip of Baltimore Canyon (near 73°50'W & 38°12'N (2)) to the ledge (near 73°43'W & 38°12'N (2)) and Vries Canyon (near 73°42'W & 74°36'N (3)) where favorable (76/77°F-77/78°F) green/blue green water mass boundary conditions have been observed for two to three days 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.**





FATHOM SCIENCE

SST FORECAST for TOMORROW MORNING FISHING

