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## **FISHERIES OCEANOGRAPHIC ANALYSIS FOR NEW YORK BIGHT EAST AREA (LAT./LONG.) UPDATED ON FRIDAY 11 AUGUST 2023 FOR FRIDAY P.M. & SATURDAY FISHING**

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 PARENTHESES 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/fags/>

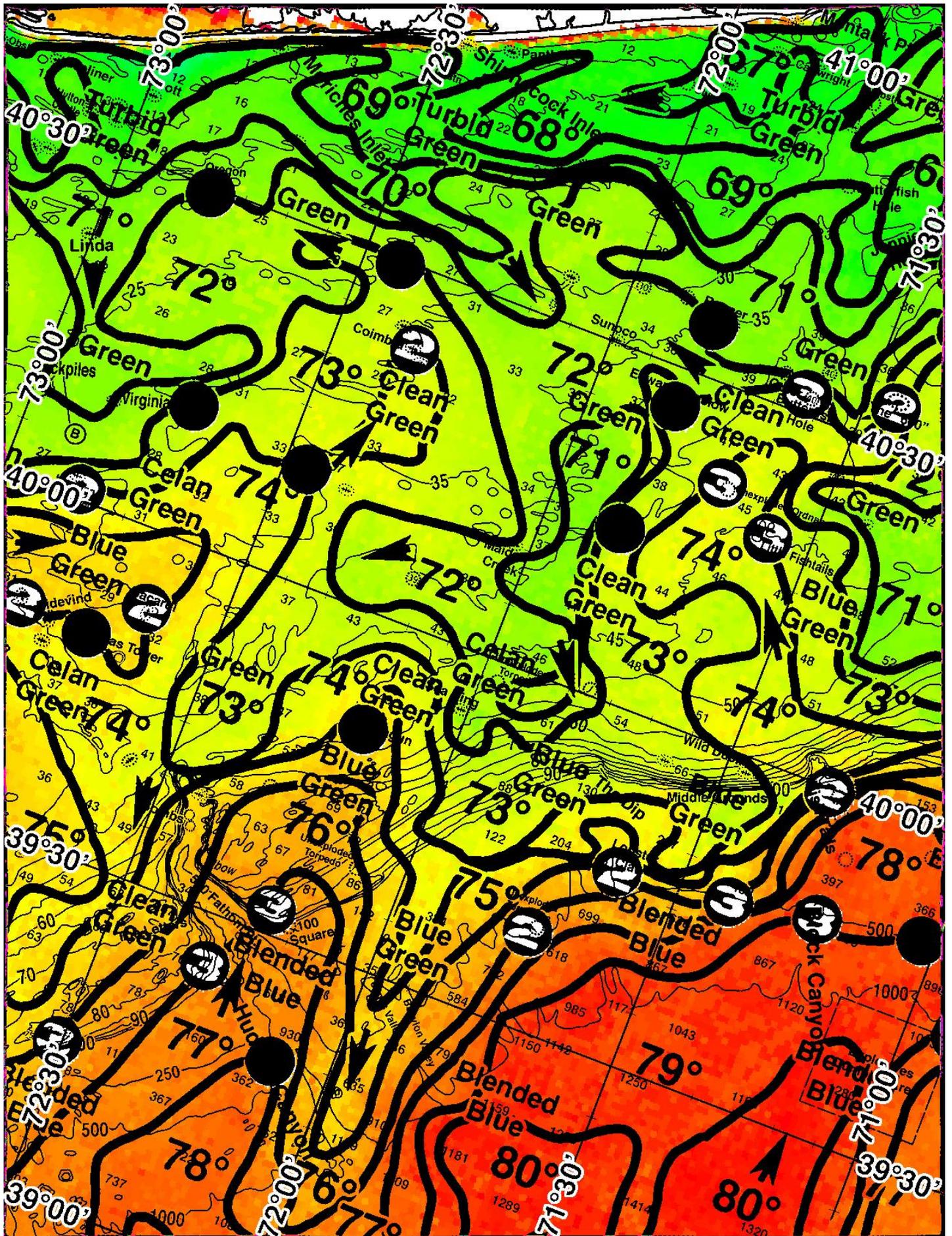
We have used a composite of infrared sea surface temperature imagery from today to provide an update to this analysis. We have included an updated ocean color chlorophyll composite from this afternoon to help you locate color boundaries. We have been able to follow the oceanographic conditions in this area for up to the past 3 days. Generally, the inshore waters in this charted area are turbid green to clean green. Offshore, we can observe warmer and cleaner water, with blended blue to blue green filaments between about 75°F and 80°F visible in this area. As always, we suggest looking for relative temperature changes rather than specific temperatures. There is a large strong clockwise rotating eddy centered outside the southeastern charted area. This large eddy is rotating and pulling some warmer water north and then east off the West Atlantis to East Atlantis Canyons before turning offshore. Several small filaments of warmer and cleaner water are being pulled back into the flats behind the Atlantis Canyons. We can observe a narrow filament of clean water moving inshore over the Hudson Canyon. Inshore, we can observe a filament of cleaner water reaching the Outer Butterfish Hole area. In the western charted area, warmer and cleaner water is over the Texas Tower area, with slightly cleaner green water reaching the Coimbra. We have included an updated ocean color chlorophyll composite containing imagery from this afternoon to help you locate the bluer and greener water masses in the area. We suggest referring to the included ocean color chlorophyll image for help locating the edges of cleaner water masses.

Keeping all of the above in mind, we suggest the most favorable conditions for tuna, billfish, mahi and wahoo action will be along the edge of the warmer blended blue water we can observe in the offshore charted area. Starting offshore, we expect some favorable inshore movement of approximately 79°F blended blue water over the Block Canyon area in about 500 fathoms near 71°14'W & 39°49'N (3) and east to 71°00'W & 39°51'N. Just inshore, look for the edge of blended blue water to be between the Fillet wreck around near 71°10'W & 40°06'N (3) and the Fish Tails area near 71°17'W & 40°00'N (2). This favorable edge continues to the southwest, over the Lobster Claw located near 71°37'W & 39°47'N (2) and the Torpedo around 71°43'W & 39°39'N (2). We expect unfavorable offshore flow of cooler water over the Jones Valley area. In the Hudson Canyon area, we can observe a filament of warmer blended blue water moving north towards the mouth of Hudson Canyon. Look for cleaner water of approximately 77°F between 39°18'W & 39°26'N (3) and 72°13'W & 39°31'N (3). We can observe blue green water making its way inshore to the Sagun wreck located near 72°10'W & 39°50'N. We also like the edge of clean water over the 100 fathoms curve south of Hudson Canyon around 72°30'W & 39°15'N (3).

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For those fishing further inshore for primarily tuna action, we suggest looking for cleaner water over bottom structure. We can observe a filament of approximately 73°F to 74°F clean green water starting over the Little Fish Tails area near 71°35'W & 40°19'N (3), continuing inshore to 71°41'W & 40°23'N (3), the Edward Winslow wreck around 71°50'W & 40°28'N, and finally northeast to the Outer Butterfish Hole near 71°36'W & 40°31'N (3) and the 600 around 71°26'W & 40°34'N (2). Moving west, a filament of slightly cleaner green 74°F water is also reaching the Coimbra area near 72°20'W & 40°24'N (2), and inshore to 25 fathoms around 72°27'W & 40°30'N. In the western charted area, we can observe a favorable filament of clean green to blue green water if approximately 75°F in the Texas Tower area. Look for this filament over the wrecks around 72°55'W & 39°50'N (2), the Texas Tower around 72°45'W & 39°49'N, and the Bacardi wreck located near 72°38'W & 39°53'N (2).

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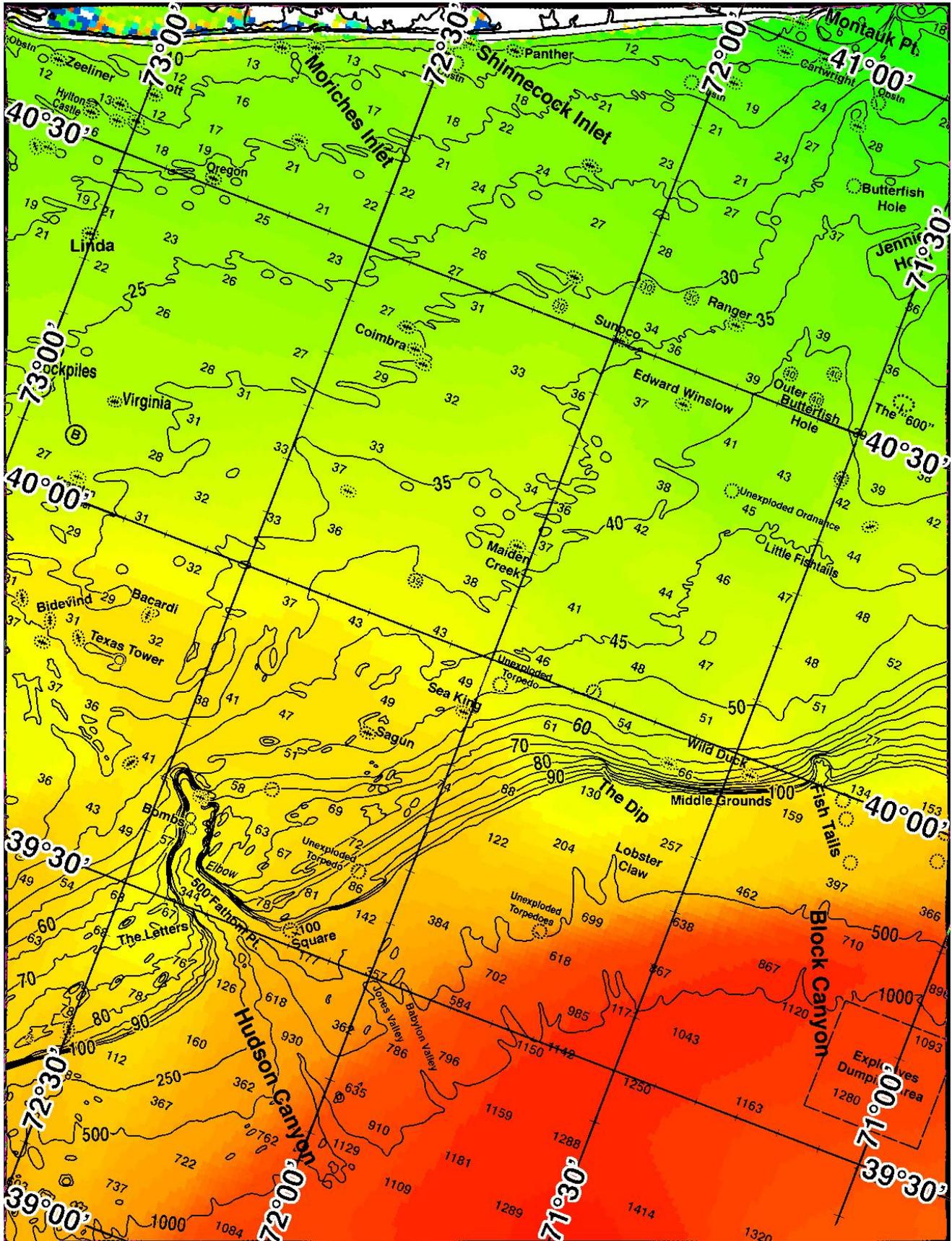






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