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**FISHERIES OCEANOGRAPHIC ANALYSIS FOR NEW YORK BIGHT WEST AREA (LAT./LONG.)
UPDATED ON FRIDAY 21 AUGUST 2020 FOR FRIDAY P.M. & SATURDAY 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 PARENTHESIS AFTER LOCATIONS ARE NUMBER OF DAYS THAT SPOT HAS BEEN FAVORABLE. Fathom Science SST and Ocean Color/Chlorophyll Forecasts now included on final two pages.

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 overnight and early morning infrared sst° and yesterday afternoon's MODIS/VIIRS/Sentinel chl/ocean color satellite imagery for this analysis area to follow the oceanographic conditions for the past five days. Overall, we continue to observe warmer (78°F-80°F) bluer water moving north towards Hudson Canyon. Some of this warmer (78°F) bluer water has been pulled west/southwest over the Letters and southwest over 75 fathom depths while less stable water mass boundary conditions have been pulled further south of the Lobster Claw. A relatively large, clockwise center of rotation has developed inshore, centered over the Glory Hole. This has brought cooler (72/73°F) green water north/northwest, towards the Mud Hole as warmer (73/74°F) blue green water moves northwest, of the Barnegat Ridge. We have also included an ocean color/chlorophyll composite image from yesterday afternoon so you can get a sense of where the bluer and greener water is located (email only, white=clouds).

OFFSHORE:

With this in mind, the better chances for offshore tuna, dolphin, wahoo, and billfish fishing action are likely to occur along the southwest wall of Hudson Canyon near the Letters (near 72°20'W & 39°30'N (4)) and 60-70 fathom good bottom west (near 72°32'W & 39°24'N (5)) as well as the 100 Square and 100 Fathom ledge (near 72°14'W & 39°34'N (4) and 72°04'W & 39°35'N (4)) where favorable (75°F-78°F) blue green to bluer water mass boundary conditions have been observed for four days. Over the 500 fathom depth and good bottom near the Lobster Claw (near 71°42'W & 39°40'N (4)) slightly less stable (75°F-76°F-77°F) blue green/blended blue to bluer water mass boundary conditions have been observed for four days as well. These conditions suggest good chances for fishing action to occur. Similar water mass boundary conditions extend southwest, over 75 fathom good bottom inshore of Toms Canyon (from near 72°45'W & 39°13'N (2) to 72°58'W & 39°03'N (3)) where favorable (73/74°F-77/78°F) blended blue to bluer water mass boundary conditions have been observed for two to three days as well. These conditions suggest additional good chances for fishing action to occur as well.

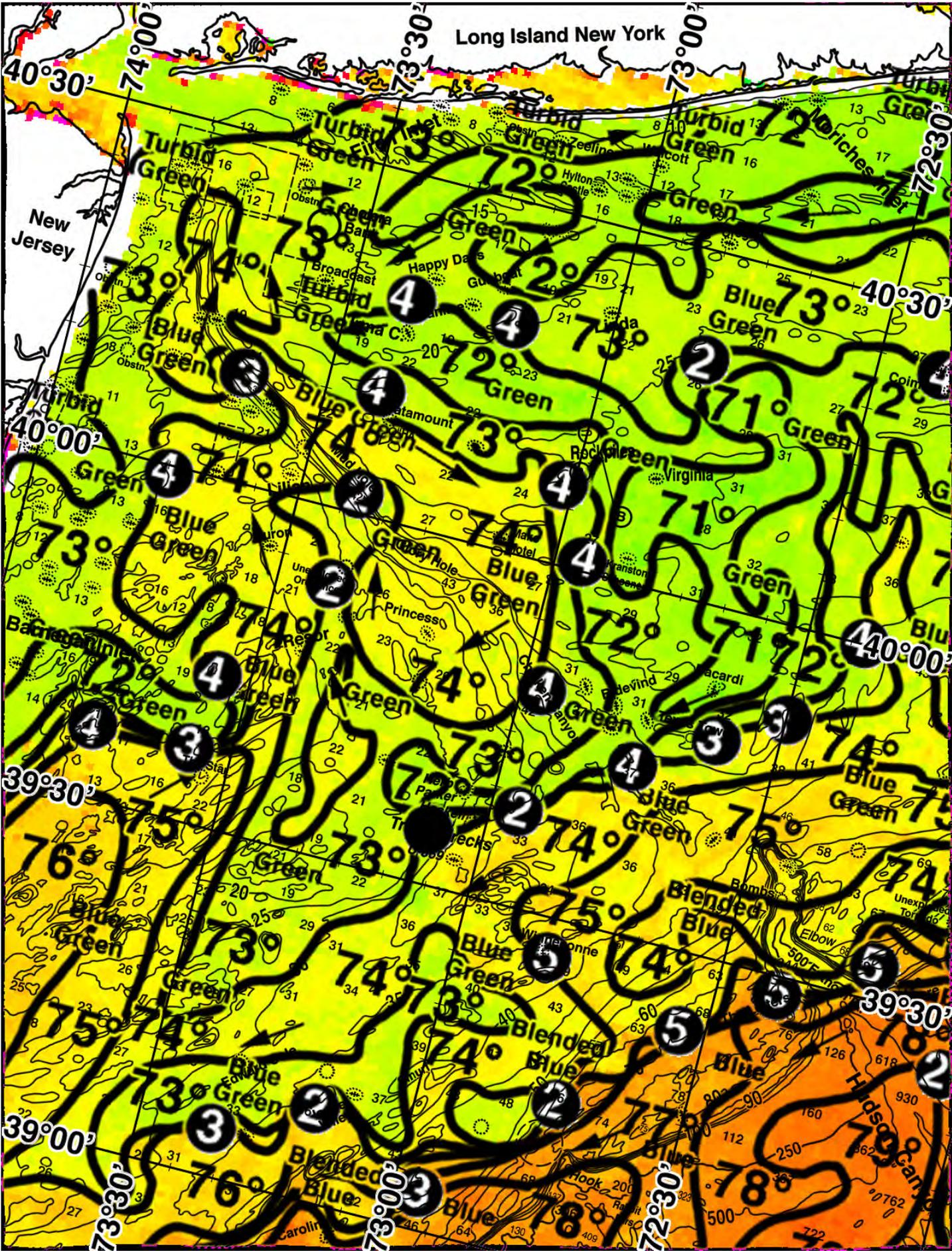
INSHORE:

The better chances for inshore tuna and dolphin fishing action are likely to occur near Texas Tower (from near 72°46'W & 39°45'N (4), 72°38'W & 39°48'N (3), and 72°30'W & 39°52'N (3)) and northeast (near 72°25'W & 40°00'N (4)) where favorable (71/72°F-74/75°F) green to blue green water mass boundary conditions have been observed for three to four days. These conditions suggest good chances for fishing action to occur. You may also try fishing near the Triple Wrecks (near 72°58'W & 39°38'N (2) and 73°06'W & 39°34'N) where similar favorable water mass boundary conditions have been observed for one to two days suggesting increased chances for inshore tuna fishing action to occur as well.

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 20-30 fathom good bottom near the Rockpiles (near 73°00'W & 40°07'N (4) and 72°58'W & 40°00'N (4)) to Chicken Canyon (near 72°58'W & 39°50'N (4)) favorable (71/72°F-73/74°F) green/blue green water mass boundary conditions have been observed for four days as well. These conditions suggest additional good chances for inshore fishing action to occur as well.

For those heading out of New Jersey, you may also try fishing near the 15-20 fathom good bottom near the Barnegat Ridge (Near 73°47'W & 39°37'N (4), 73°34'W & 39°37'N (3), and 73°33'W & 39°42'N (4)) where favorable (72°F-74/75°F) green to blue green water mass boundary conditions have been observed for three to four days. These conditions suggest additional good chances for inshore shark and tuna fishing action to occur as well.

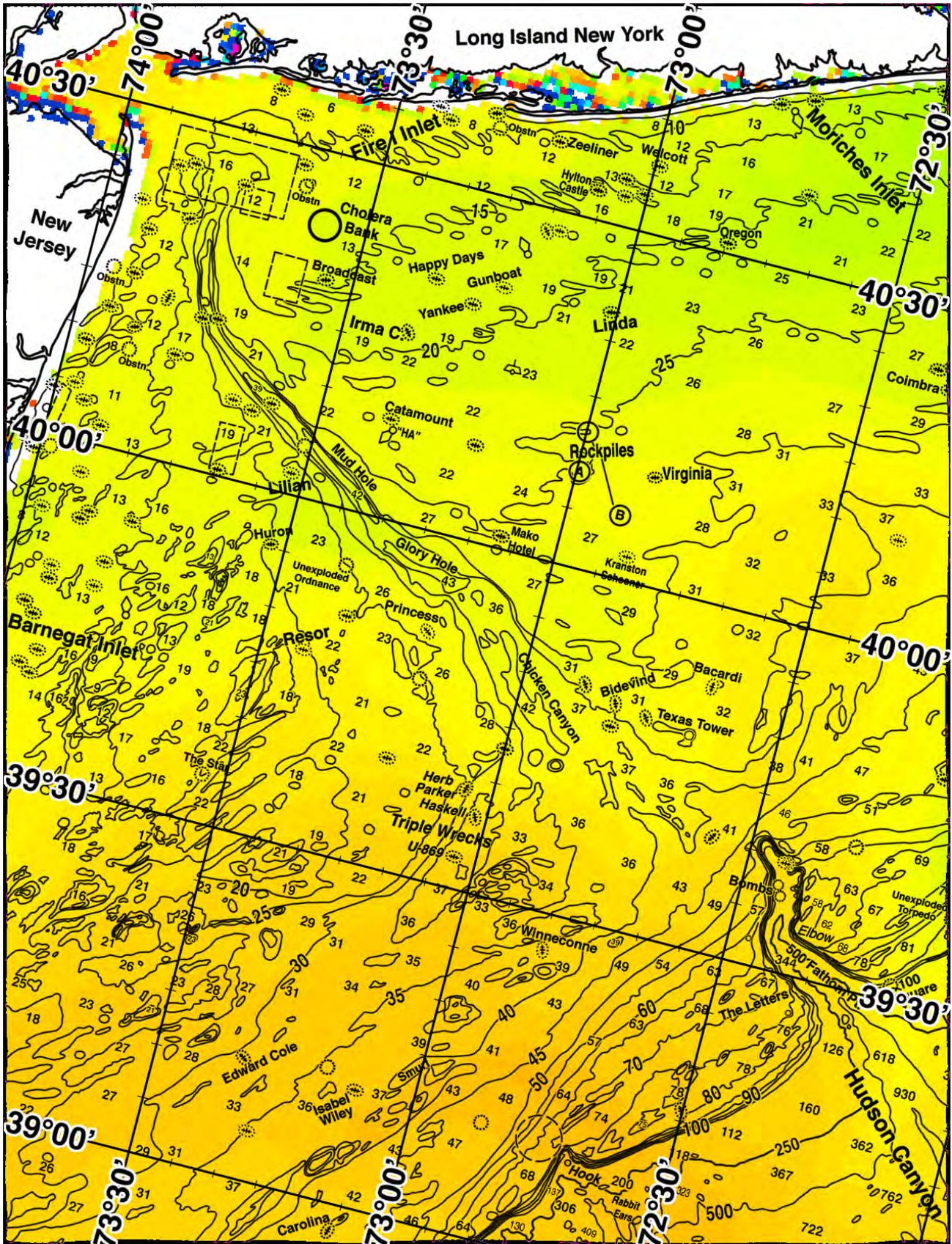
ROFFS™ SUMMER Hours: Mon - Fri. 9:00 am - 7:00 pm EDT (sometimes later based on demand) with analysis order deadline before 3pm. We are now open on Saturdays 9AM to 4PM (sometimes we close earlier based on demand) analysis order deadline is 10:00am on Saturday. *Thank you for not sharing this analysis 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





FATHOM SCIENCE

OCEAN COLOR/CHLOROPHYLL FORECAST for TOMORROW MORNING

