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FISHERIES OCEANOGRAPHIC ANALYSIS FOR THE CHATHAM AREA (LAT./LONG.) UPDATED ON WEDNESDAY 09 SEPTEMBER 2020 FOR WED. P.M. & THURS. 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.**

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 a 24 hour infrared sst° and a 36 hour MODIS/VIIRS/Sentinel chl/ocean color composite image for this analysis area, due to excessive cloud cover, to follow the oceanographic conditions for up to five days. Overall, we have observed cooler (66°F) blue green water push west throughout much of the central chart area, pushing warmer (68°F) blue green water towards the 50-100 fathom depths south of the Wilkinson Basin off of Chatham. Cooler, greener water will continue to move west to southwest as a filament of 63°F-65°F moves south of the Franklin Swell. Relatively cool (65°F) clean green water has been observed moving north/northeast of Cape Cod towards the 100-125 fathom depths south of the Murray Basin as warmer (67°F) blue green water pushes north/northwest towards the 30-50 fathom depths east/northeast of Chatham. We have also included an ocean color/chlorophyll composite image from the past 36 hours so you can get a sense of where the bluer and greener water is located (email only, white=clouds).

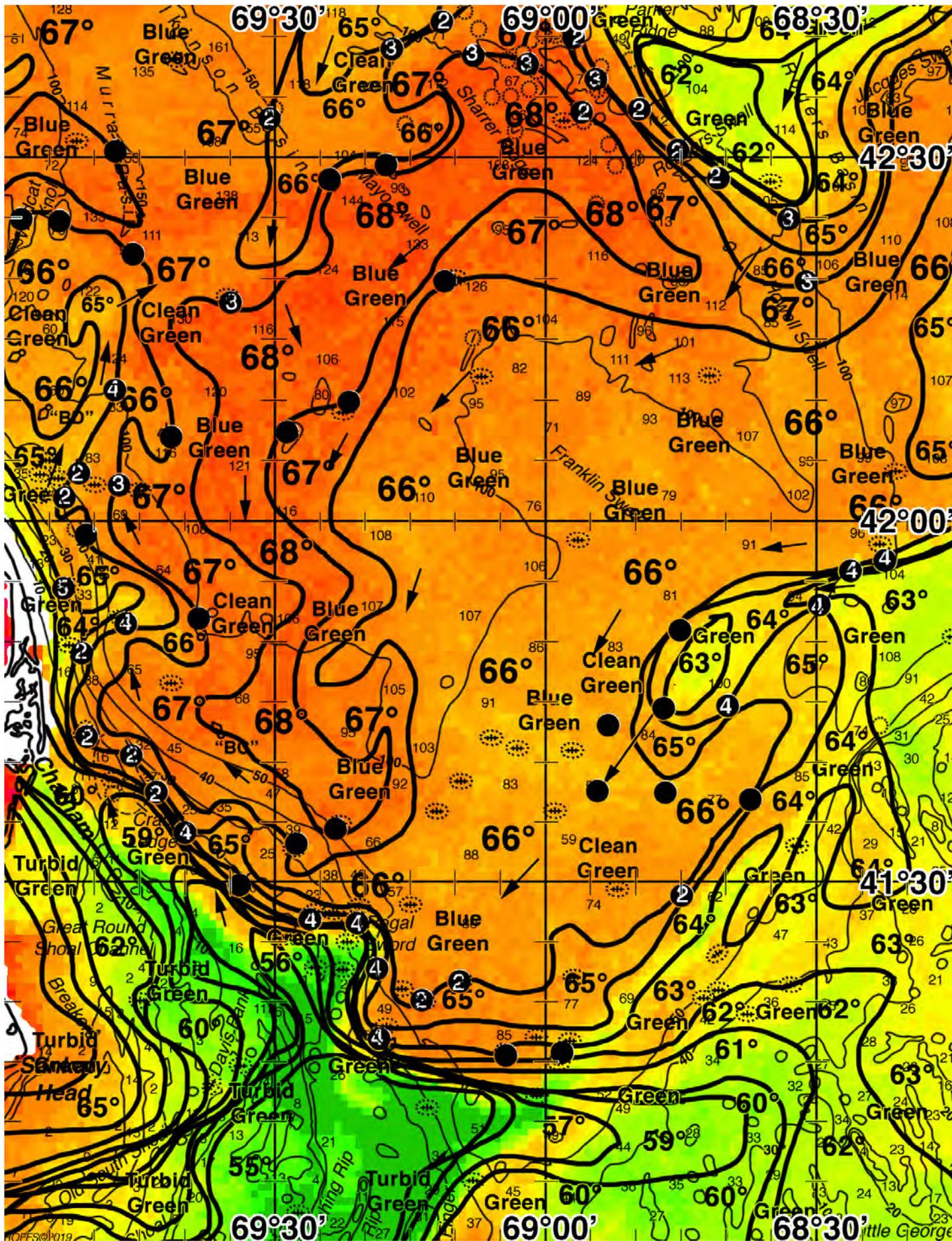
With this in mind, the better chances for tuna fishing action are likely to occur just off of Chatham north of the Crab Ledge (near 69°50'W & 41°42'N (2) to 69°45'W & 41°41'N (2)) where favorable (65°F-67°F) green to clean green/blue green water mass boundary conditions have been observed for two days. Keep in mind, tidal forces will likely pull these boundaries slightly south, over the Crab Ledge, by tomorrow morning. You may also try fishing southeast of the Crab Ledge (near 69°44'W & 41°37'N (2) and 69°40'W & 41°34'N (4)) where favorable (59°F-65/66°F) green to clean green/blue green water mass boundary conditions have been observed for two to four days. From here, head towards the Regal Sword (from near 69°26'W & 41°27'N (4), 69°22'W & 41°27'N (4), and 69°18'W & 41°22'N (4)) and south (near 69°18'W & 41°16'N (4)) where favorable (61/62°F-65/66°F) green to blue green water mass boundary conditions have also been observed for four days. These conditions suggest good chances for tuna fishing action to occur.

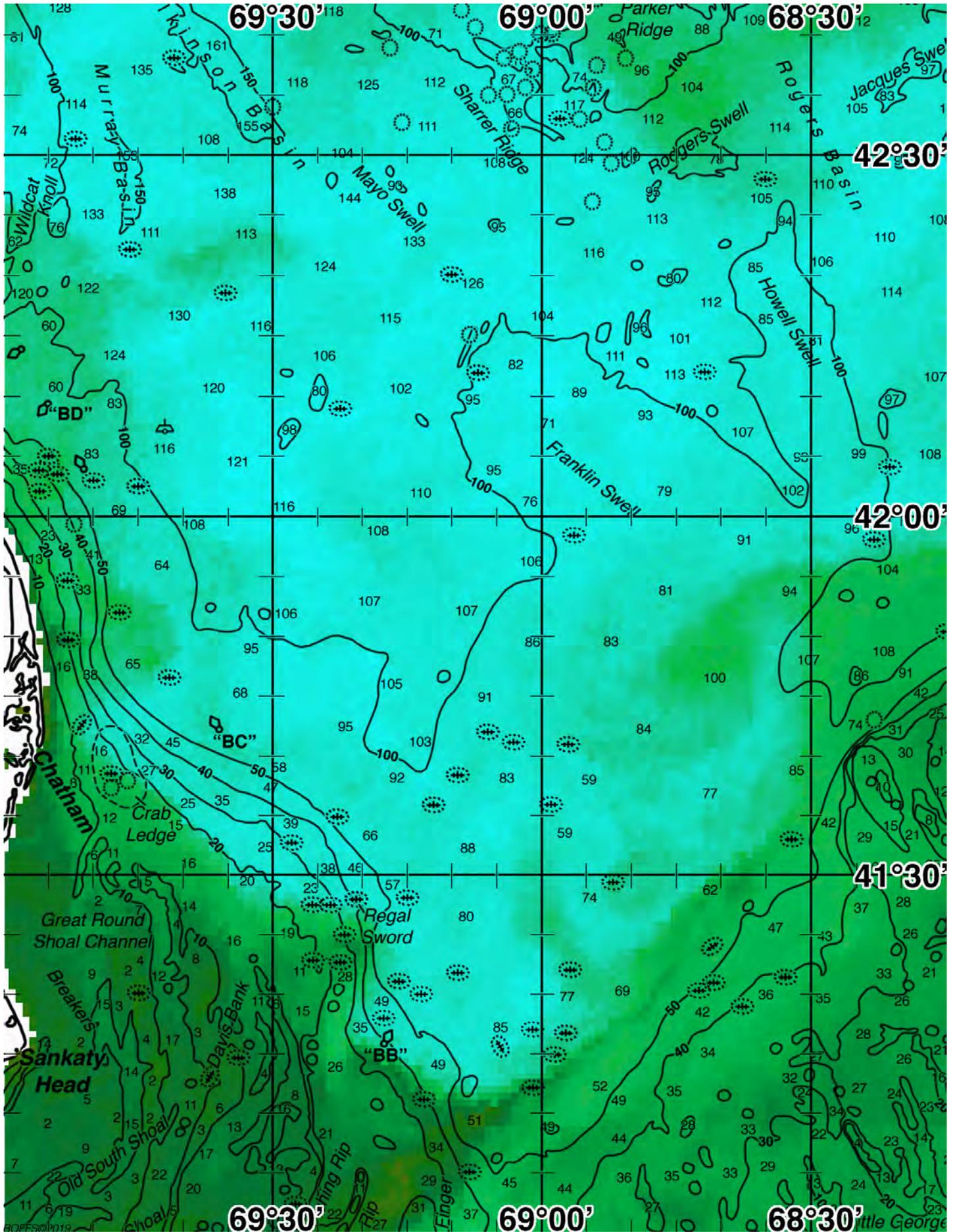
If you were interested in heading north of Chatham we anticipate warmer (66/67°F) blue green water mass boundary conditions to push northwest, towards the 30-50 fathom curves and good bottom (near 69°52'W & 41°50'N (2) and 69°46'W & 41°52'N (4)) where we had observed favorable (64°F) green water for the past two to four days. These conditions suggest additional increased

chances for fishing action to occur. Keep in mind, we have observed relatively cool (65°F) green water moving in an unfavorable offshore direction from the 50 fathom ledge north of Chatham towards the 100/125 fathom depths south of the Murray Basin. This offshore flow of water is often associated with reduced overall fishing productivity.

For those interested in heading further offshore, we have observed cooler (63°F) green water pushing west, towards the 75-80 fathom depths south of the Franklin Swell. Favorable (66°F-63°F) blue green to clean green water mass boundary conditions have been observed over the 100 fathom good curve (near 68°30'W & 41°54'N (4) to 68°22'W & 41°57'N (4)) for the past four days. These conditions suggest good chances for offshore tuna fishing action to occur. In the northeastern chart area, we have observed additional good chances for fishing action over the Rodgers Swell (From near 68°34'W & 42°25'N (3) to 68°55'W & 42°37'N (3)) where favorable (62/63°F-66/67°F) green to 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 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.**

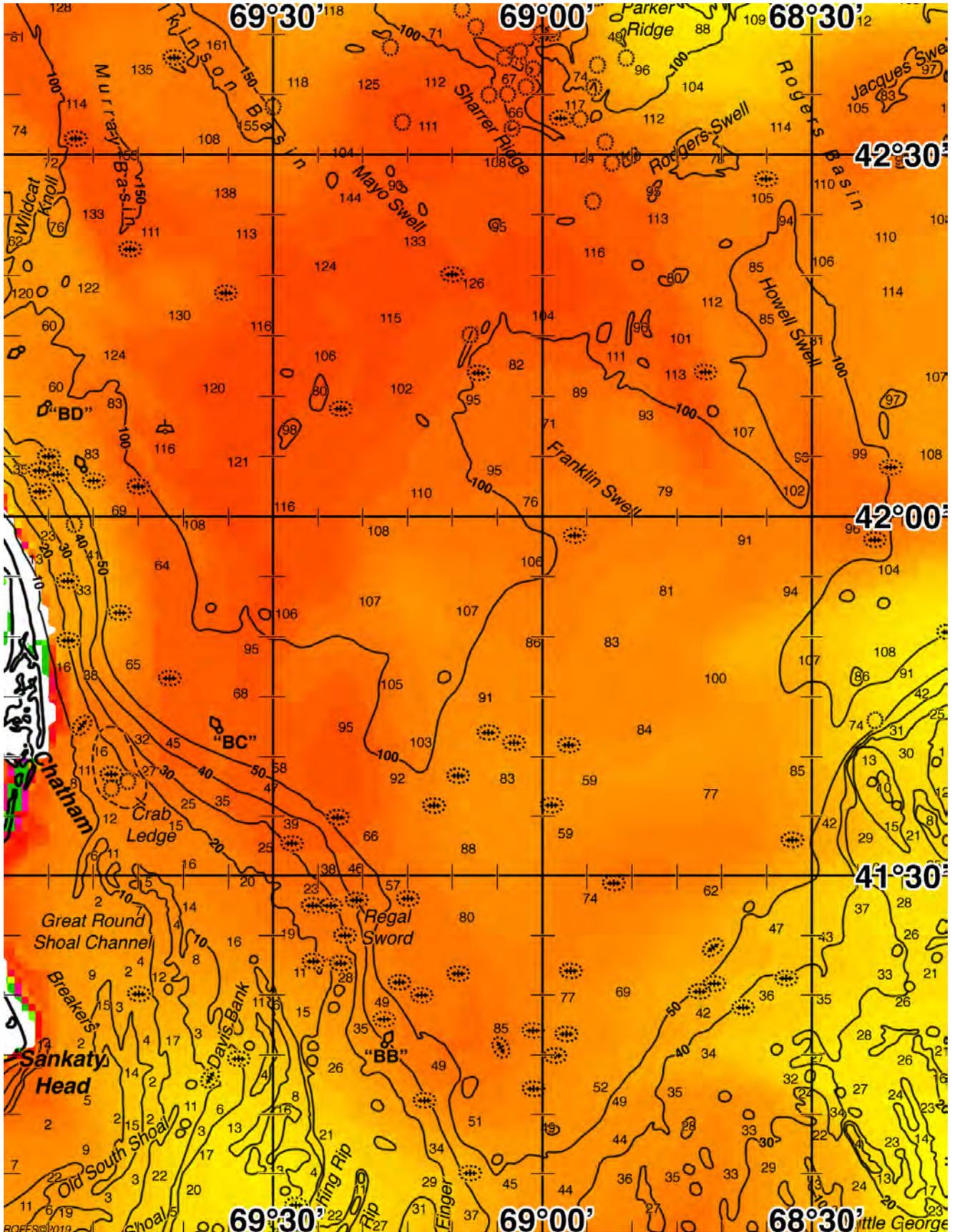






FATHOM SCIENCE

SST FORECAST for TOMORROW MORNING FISHING





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