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FISHERIES OCEANOGRAPHIC ANALYSIS FOR CAPE ANN TO CAPE COD AREA (LAT/LONG) UPDATED ON FRIDAY 31 JULY 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 24 hour infrared sst° and MODIS/VIIRS/Sentinel ocean color/chlorophyll composite imagery for this analysis area to follow the oceanographic conditions for two days. Overall, we have observed relatively warm (74°F) green water moving into the Scantum Basin with a relatively small pool of clean green (72°F) water further east, over 150 fathom depths. Relatively strong (69°F-72/73°F) green water mass boundary conditions have been observed east of the Stellwagen Bank as water moves in a southeastern direction east of Cape Cod. We have also included an ocean color/chlorophyll composite image from the past 24 hours so you can get a sense of where the bluer and greener water is located (email only, white=clouds).

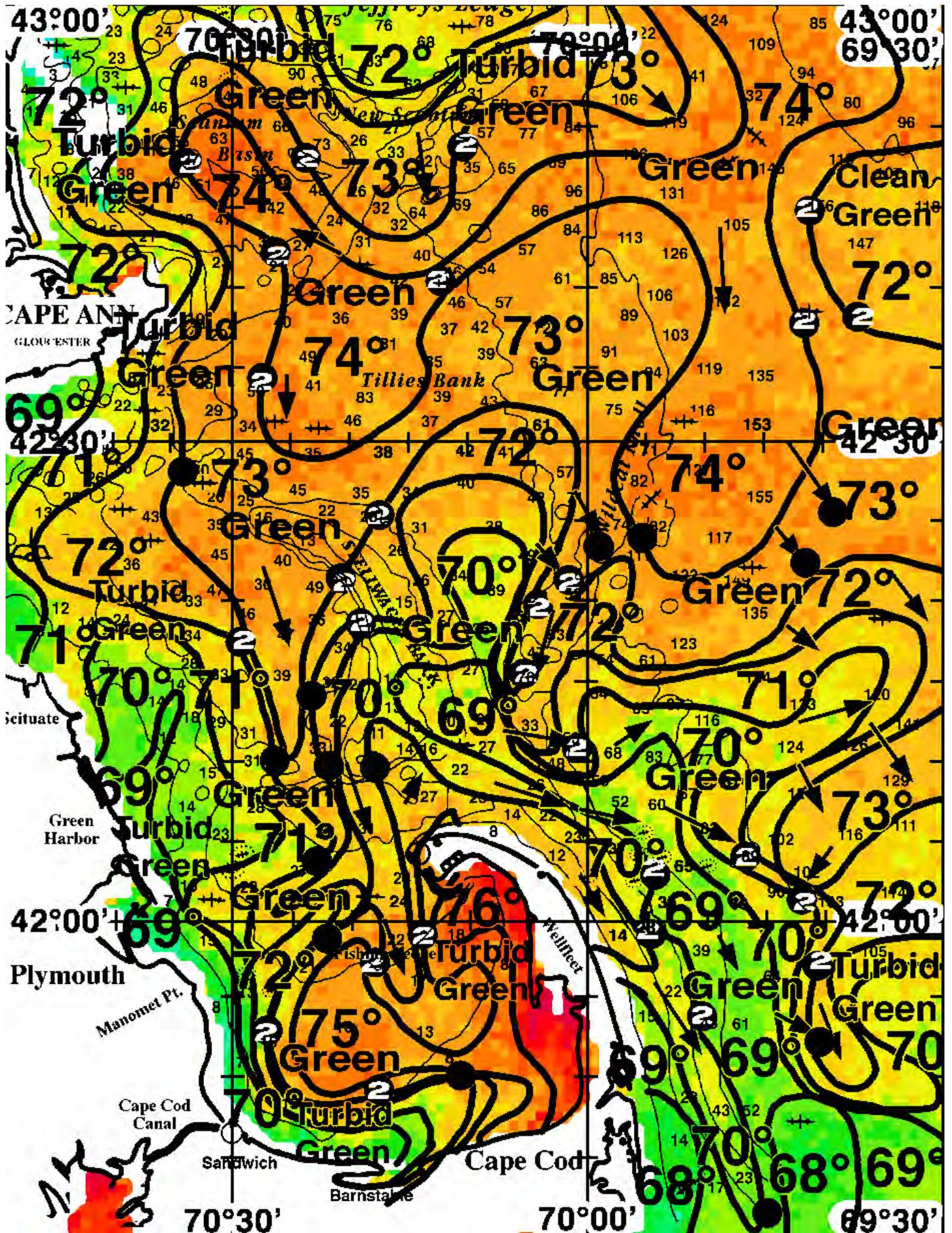
With this in mind, begin fishing in the Scantum Basin (near 70°34'W & 42°47'N (2)) where favorable (72/73°F-74°F) turbid green to green water mass boundary conditions have been observed for two days. From here, head either east towards New Scantum (from near 70°24'W & 42°48'N (2) and 70°10'W & 42°09'N (2)) where similar favorable water mass boundary conditions have been observed for two days, or head southeast towards the 30 fathom good bottom (near 70°26'W & 42°43'N (2)) and 50 fathom depths and wrecks (near 70°27'W & 42°34'N (2) and south) have been observed for two days as well. These conditions suggest increased chances for fishing action to occur.

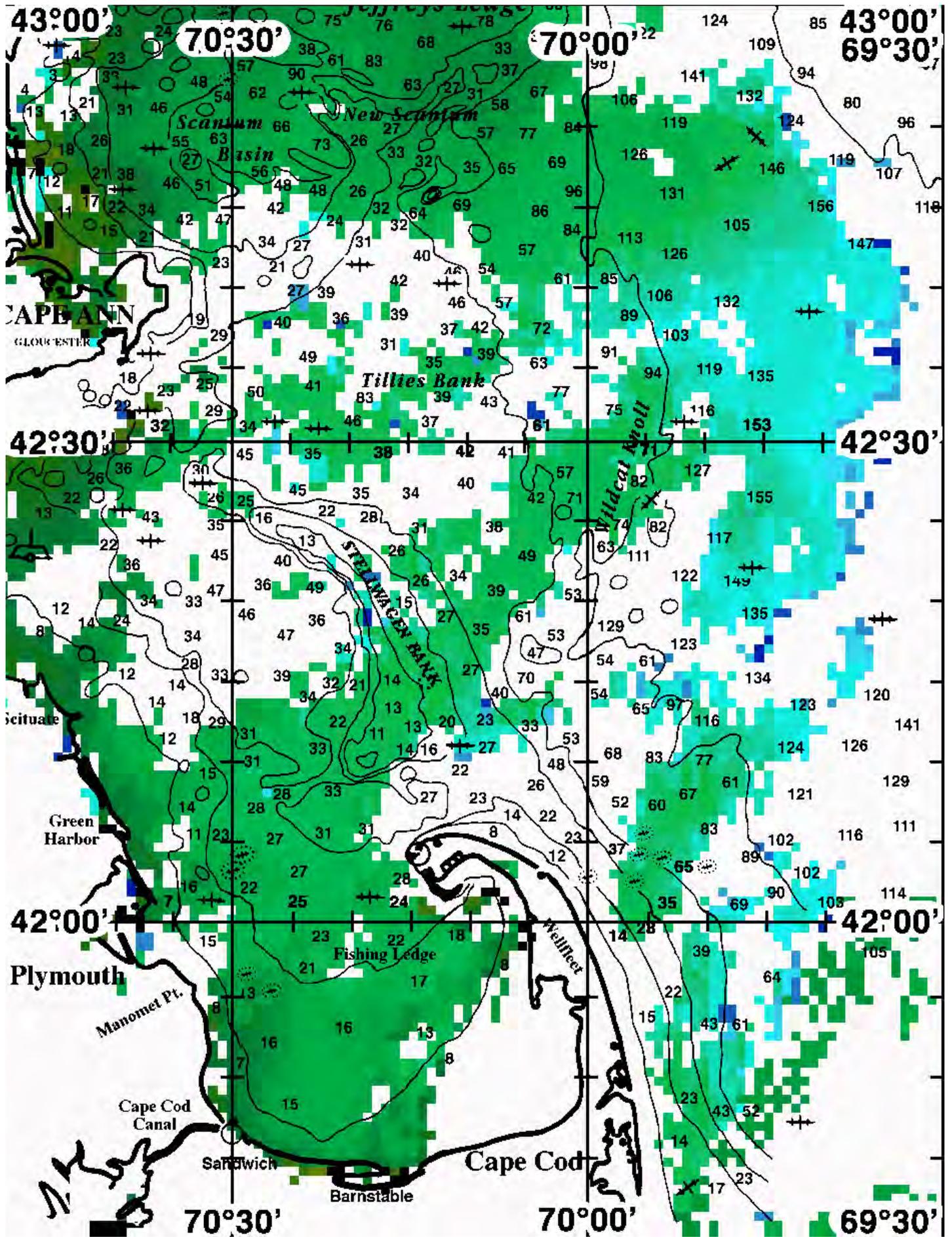
From here, head southeast towards the northern edges of the Stellwagen Bank (near 70°17'W & 42°25'N (2) and 70°20'W & 42°22'N (2)) where favorable (73°F-72°F) green water mass boundary conditions have also been observed for two days. Cooler (72°F-70°F) green water mass boundary conditions have been observed further south (near 70°20'W & 42°18'N (2)) have been observed for two days as well. These conditions suggest additional increased chances for bluefin tuna fishing action to occur as well.

The next best chances for bluefin tuna fishing action are likely to occur over the 50 fathom good bottom between Stellwagen Bank and Wildcat Knoll (from near 69°58'W & 42°24'N, 70°02'W & 42°22'N (2), 70°04'W & 42°20'N (2), and 70°05'W & 42°15'N (2)) and southeast, over the 50 fathom curve north of Wellfleet (near 70°01'W & 42°10'N (2)) where favorable (69/70°F-72/73°F) green water

mass boundary conditions have been observed for one to two days as well. These conditions suggest additional increased chances for fishing action to occur. If you were interested in heading further southeast, we have observed relatively favorable (69/70°F-72°F) green to turbid green water mass boundary conditions pushing into the 100 fathom curve and good bottom east of Cape Cod (from near 69°47'W & 42°04'N (2) to 69°40'W & 41°57'N (2)) for the past two days as well. These conditions suggest increased chances for increased 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.**

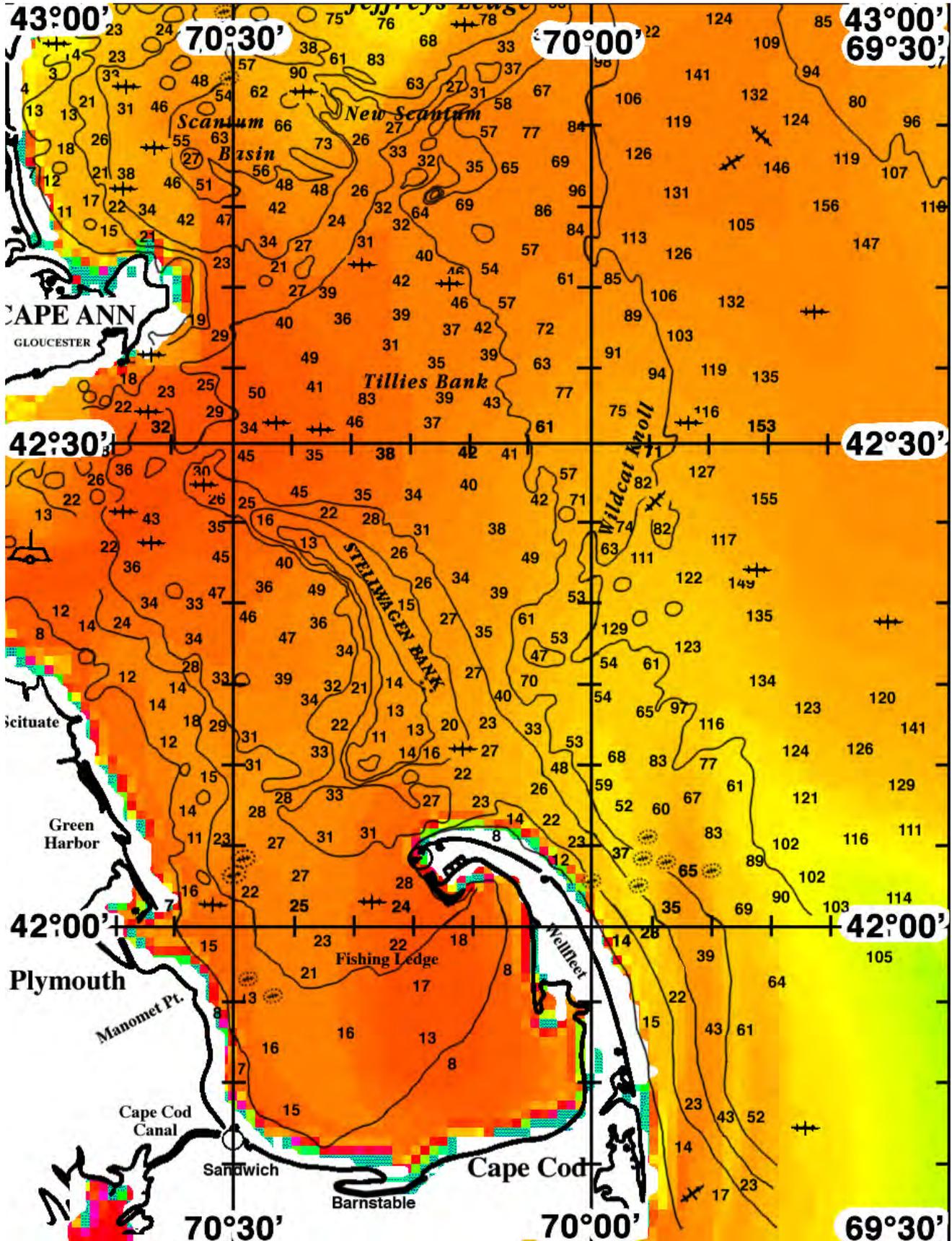






FATHOM SCIENCE

SST FORECAST for TOMORROW MORNING FISHING





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OCEAN COLOR/CHLOROPHYLL FORECAST for TOMORROW MORNING

