



## FISHERIES OCEANOGRAPHIC ANALYSIS FOR CAPE ANN TO CAPE ELIZABETH (LAT./LONG.)

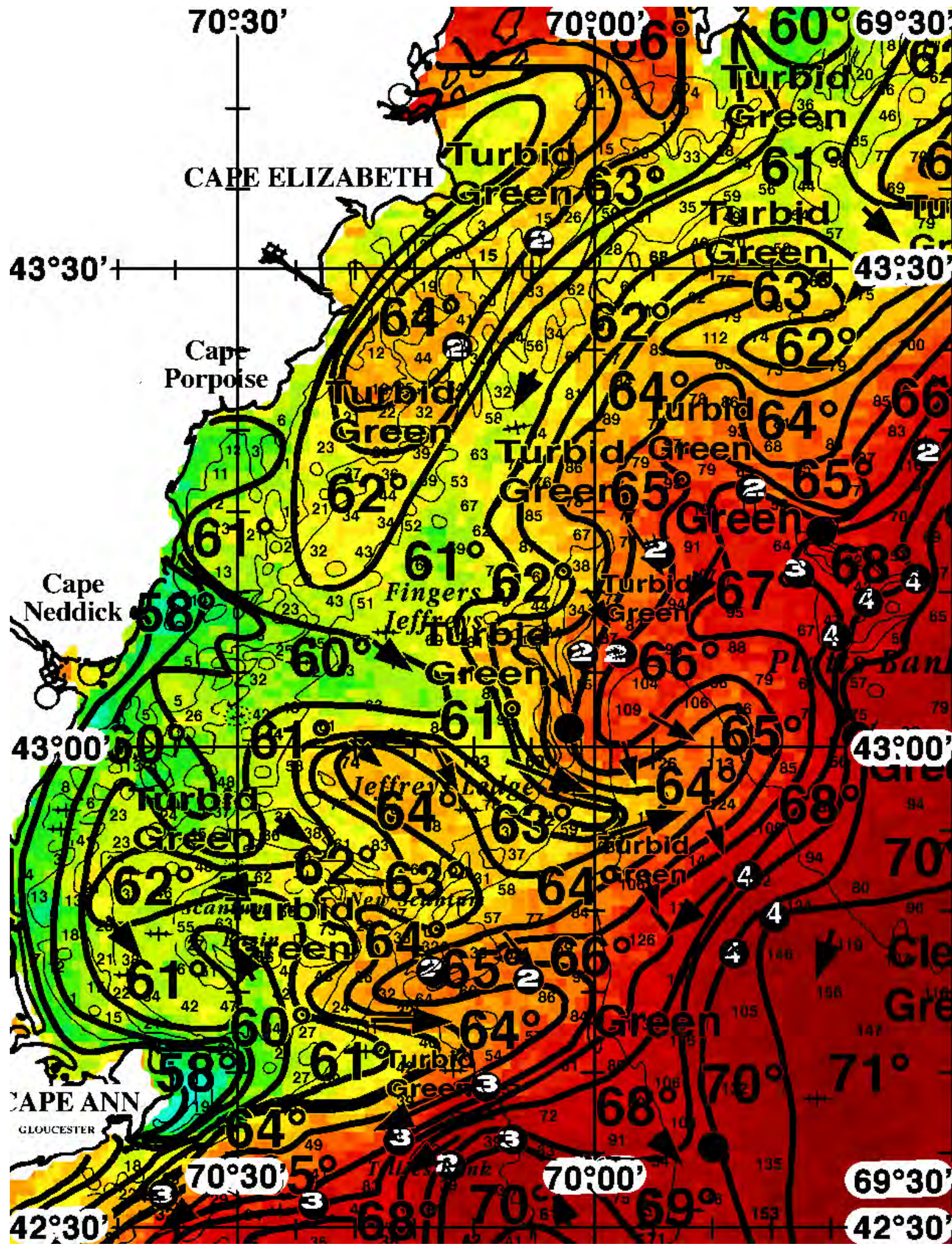
### UPDATED ON FRIDAY 07 AUGUST 2020 FOR FRIDAY P.M. AND SATURDAY FISHING ONLY

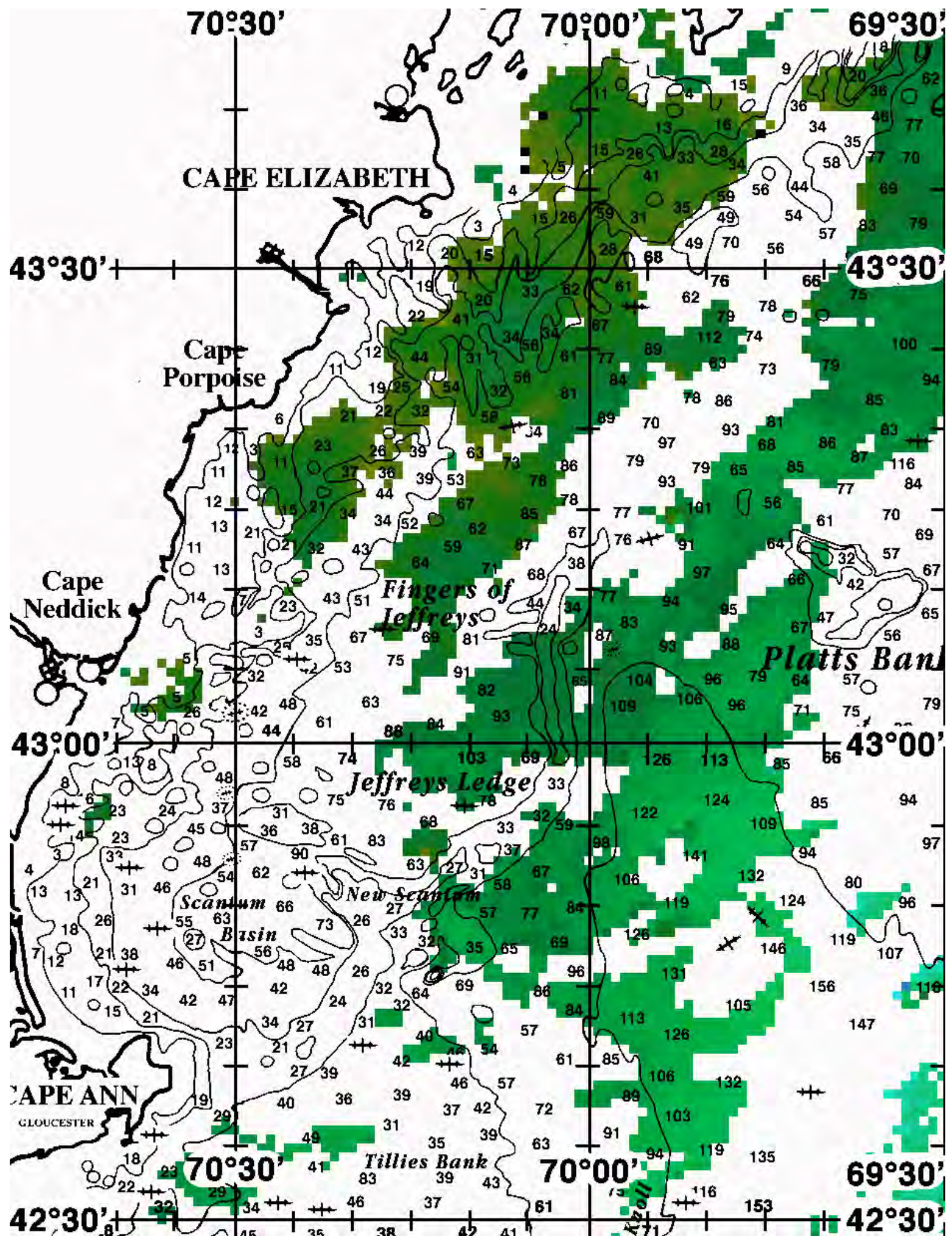
Based on a multiple factor oceanographic analysis, the indicated areas (hot spot dots) on the analysis mark the areas where bait concentrations are expected and where fishing action is expected to be better compared with other areas. Numbers inside of the hot spot dots indicate the number of consecutive days that we have seen favorable oceanographic conditions in that location. These areas are not based on dock rumors or hearsay fishing reports, they are based on oceanographic knowledge and expertise. You should start fishing where you recognize other signs of good fishing conditions near these marked areas (ie. rips/slicks, weed lines, birds, etc). It is very important to use your sea surface temperature (SST) gauge to locate the boundaries of the water masses, which are outlined in black. PLEASE REMEMBER, rather than trying to find water masses 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. 1 fathom = approximately 6 feet. Afternoon SST is likely to be 1.0°F or more WARMER than indicated by the morning SST 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<sup>TM</sup> 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<sup>TM</sup> 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 see the area clearly today again today using a combination of infrared sst° and MODIS/VIIRS color/chlorophyll satellite imagery from this morning to increase your chances of bluefin tuna. Overall, we continue to the relatively large filament of green to clean green 70-71°F extending south of Platts Bank. Looking to the west and north of this filament, we continue to observe progressively warmer 63-65°F turbid green water extending offshore to 80 fathoms, with a relatively thin filament of cooler 61°F water extending southwest along 50 fathoms off of Cape Elizabeth. Looking further east between the warmer offshore waters and cooler turbid green waters, we've observed 66-68°F green dominating the area between 80-100 fathoms, with the exception of a filament of 65-67°F green water pushing inshore to 70°00'W west of Platts Bank. South of this, we additionally continue to observe some warm 64-65°F green water pushing inshore south of Jefferys Ledge and south of New Scantum. Comparing these conditions to yesterday, we've observed these inshore filaments start to slowly pulling southeast, indicating these edges will be 5-10 miles east. We were unable to include an ocean color/chlorophyll composite image from this afternoon so you can get a sense of where the bluer and greener water is located (email only, white=clouds).

Collectively, these conditions indicate your best chances for bluefin tuna out of Casco Bay will occur along the warmer 68-70°F green filament edges we've observed over Platts Bank for up to four day. We suggest starting along the warmer 69-70°F edge over the eastern side of the bank near 69°32'W & 43°10'N (4), 69°37'W & 43°29'N (4), and 69°40'W & 43°80'N (4). On your way south, you may additionally want to fish the favorable turbid green to green 65-66°F edge over good bottom along 69°17'W & 43°39'N, and along the 67-68°F green edges extending southwest along 69°20'W & 43°27'N to 69°32'W & 43°18'N (2). Keep in mind this water mass boundary extends over relatively featureless bottom, and we believe your best chances of action will occur along water mass boundaries over good bottom. If Platts Bank isn't as productive as you'd like, we suggest following this warmer cleaner edge south along 69°37'W & 43°20'N, and 69°47'W & 43°52'N (4) and 69°42'W & 43°50'N (5). Looking west along the cooler greener edges inshore, favorable conditions have similarly been observed over good bottom extending inshore of Platts Bank near 69°47'W & 43°17'N (2), 69°55'W & 43°12'N (2), and 69°58'W & 43°06'N (2).

For those of you interested in fishing off of Cape Neddick to Cape Ann, favorable conditions can be found along the relatively strong 61-64°F water mass boundaries we've observed along south of Jefferys Ledge near 70°11'W & 42°56'N, and south of New Scantum near 70°04-13'W & 42°46'N (2). If this area isn't as productive as you'd like, we suggest working offshore to the warmer 68-80°F green edges discussed above along 69°37'W & 43°20'N, and 69°47'W & 43°52'N (4) and 69°42'W & 43°50'N (4). You may also find action along the Tillie's Bank where we've observed similarly favorable warmer 64-70°F edges starting along the cooler 62-65°F water mass boundary along 70°08'W & 42°40'N (2) to 70°15'W & 42°37'N (2), and along the 68-70°F water mas boundaries southeast near 70°08'W & 42°36'N (3) to 70°13'W & 42°34'N (2).

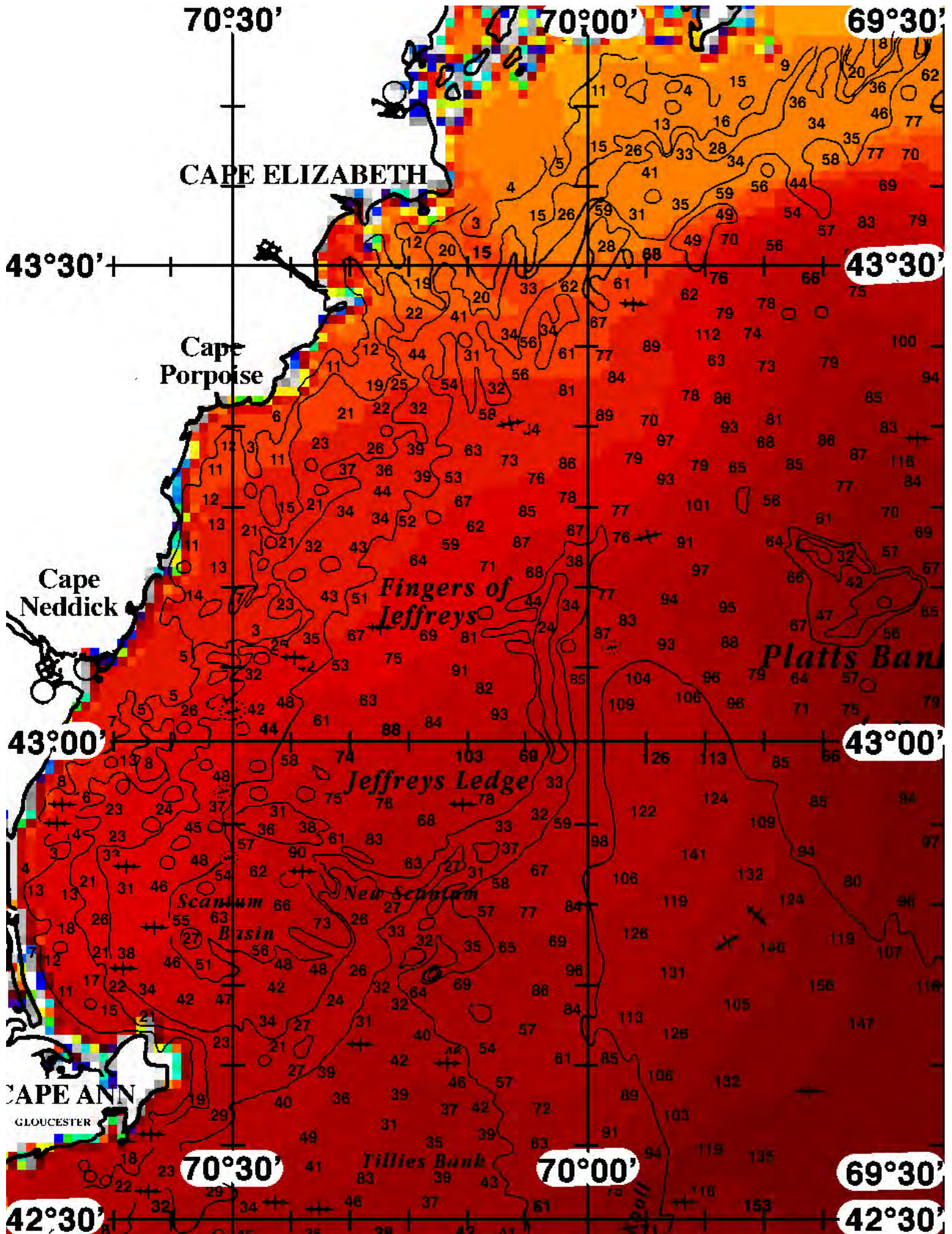






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