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FISHERIES OCEANOGRAPHIC ANALYSIS

FOR THE NORFOLK CANYON TO HATTERAS OFFSHORE (LAT./LONG.)

UPDATED ON MONDAY 10 AUGUST 2020 FOR MONDAY P.M. & TUESDAY 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 PERENTHESIS 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 finally able to see this entire area clearly today and yesterday to follow the main conditions to improve your chances for tuna, wahoo, dolphin, swordfish, marlin and sharks. We were able to include a nice clear satellite ocean color/chlorophyll from this afternoon so you can see where the greener and bluer water is located (email only, clouds = white). The morning temperature of the Gulf Stream is back to approximately 85°F to 86°F. There are several eddies to keep track of effecting the conditions in this area. In the south there area four eddies, two smaller Gulf Stream eddies, one south of Cape Hatteras and the other between Cape Hatteras and the Point over 20-30 fathoms. There is a large counter clockwise rotating eddy centered between the Foul and the Point centered over the 800-1000 fathom curve that is pulling in some bluer warmer Gulf Stream filament water to directly east of Oregon Inlet for some favorable conditions. There is another smaller counter clockwise rotating eddy centered just south of the Cigar. In the north there are two inshore eddies, one clockwise rotating eddy centered between the Finger and Cigar centered over 15-18 fathoms and a counter clockwise rotating eddy centered inshore of Norfolk Canyon near the Liki Tiki Wreck, then a larger clockwise rotating eddy way southeast of Norfolk Canyon in 1500 fathoms that continues to pull in some bluer 80°F to 81°F Gulf Stream water over the 1000-1200 fathoms east of Washington Canyon to east of Norfolk Canyon to southeast of Norfolk Canyon. We know that there were several white marlin and mahi caught in some of the offshore bluer warmer water east of Washington and Norfolk Canyon in the White Marlin Open, but it was slim pickings for many folks toward the end of the week.

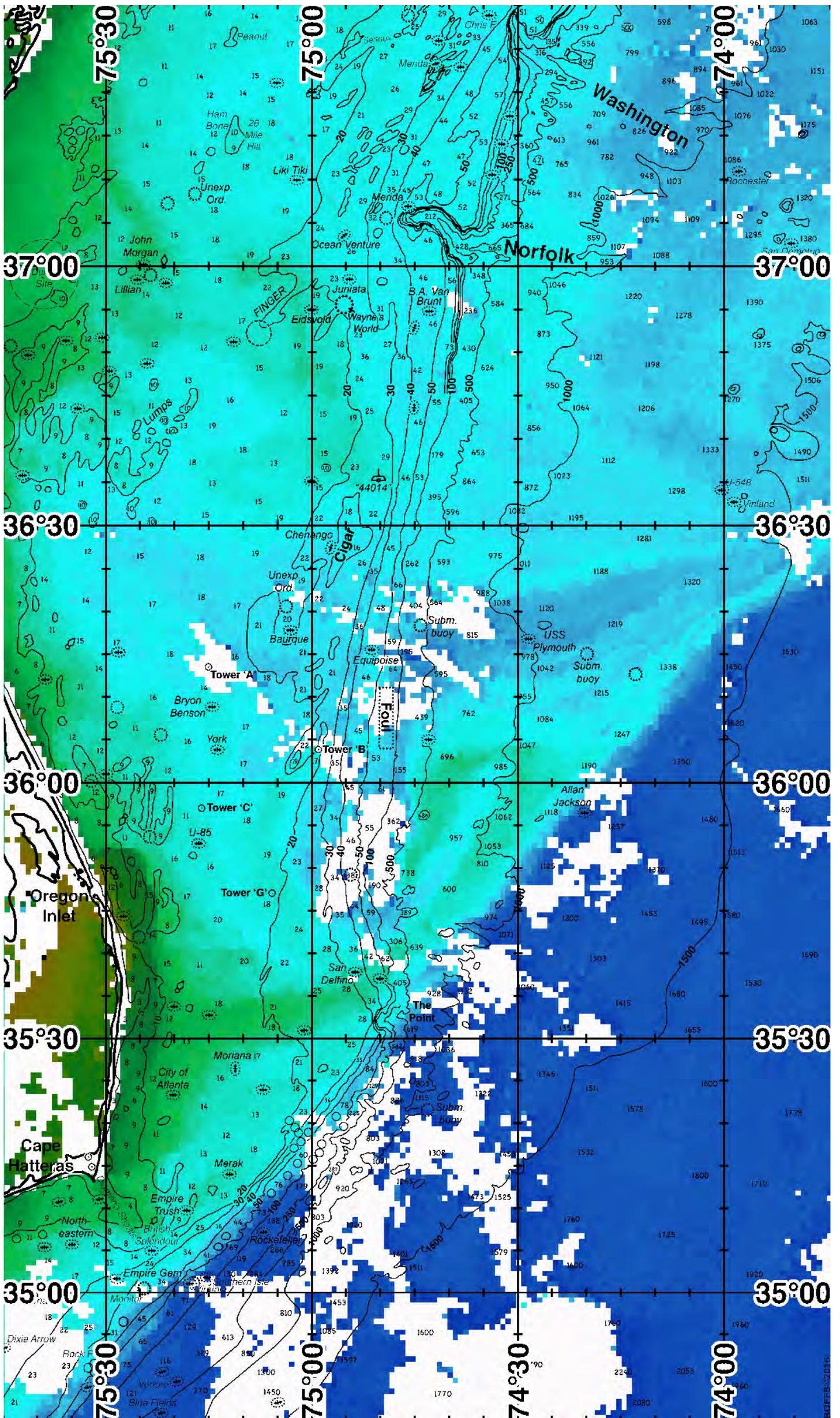
With all this in mind fishing the southern charted area we suggest you fish the bluer warmer Gulf Stream filaments pulled in over the bank by the eddy. Look for the bluer warmer 82°F/83°F to 84°F edges from south of the 38 hole to over the 38 Hole area near 74°52-53'W & 35°45-50'N (3) and extending north mainly over the 40-50-100 fathom curves near 74°51-52'W & 36°00-02'N to where it appears to be pushing in a favorable inshore direction directly over the Foul near 74°50'W & 36°06-10'N (3) to the Equipoise Wreck near 74°49-50'W & 36°12-15-16'N (3) then fish east over the 500 fathoms and even as far out along these same bluer warmer filament edges pushing inshore over the 1000 fathom curve or USS Plymouth Wreck near 74°29-30'W & 36°15-20'N. On your way offshore, you may want to start fishing for sails, dolphin or wahoo as far inshore as 20-30 fathoms due east of Oregon Inlet where you find the bluer warmer filament water. Another good option if the above mentioned areas do not produce is the southern Cigar and Baurque wreck where the blended blue warmer filament is pushing inshore near 75°00-02'W & 36°19-20-21'N and then fish the stronger 79°F to 82°F edges that are pushing south over the 30-40-50-100-500 fathom curves near 74°45-50'W & 36°17-18'N extending east to the 1000 fathom curve and east near 74°00-10-15-25'W & 36°28-30'N (3) and pushing a bit north offshore. Otherwise we suggest fishing south over the Gulf Stream main edges as they remain relatively straight and stable for the past two days with only smaller eddies coming up from the south at this time. These favorable conditions are along the 83°F/84°F to 86°F edges from south and southeast of Cape Hatteras roughly over the 100 fathom curve to the Rockefeller wreck near 75°07'W & 35°08'N (2) extending northeast to the 250-500 fathom curve near 74°58-59'W & 35°15-20'N (2) to near 74°50'W & 35°24-25'N (2) to just south of the Point near 74°45-48'W & 35°28-30-31'N (2) and northeast over the 1000 fathom curve and beyond as indicted. Near 74°30'W & 35°45-47'N (2).

Fishing the northern charted area, the water is still a bit cooler and blended from the storm last week, but there are several favorable features and water to target. We like the conditions the best where the counter clockwise rotating eddy centered south of the Norfolk Canyon is pulling in some warmer blended blue water (80°F) in a favorable inshore direction over the 40-50-100 fathom curve between

Norfolk Canyon and the Cigar near 74°41-42'W & 36°42-46'N (2) to near 74°45-50'W & 36°45-50'N (2) and even farther northwest over the Ocean Venture Wreck to the Waynes World area along the green to bluer-green 77°F to 79°F edges near 74°53-54'W & 36°55'N – 37°00-03'N (2). Additional favorable conditions occur over the 800-1000 fathom curve where you find the warmer bluer 81°F filament pushing inshore near 74°25-30'W & 36°35-40'N (2). The Washington Canyon and Norfolk Canyon themselves does not appear to be great conditions if anything try the southeast 100 fathom corner and just south of Norfolk Canyon where you find the 79°F to 80°F edges or the 77°F to 79°F edges pushing south over the 100 fathom tip or just east of the tip of Norfolk Canyon. The better conditions to the north appear to be offshore of Washington Canyon in 500-1000 fathoms where you find the bluer warmer 78° to 79°F water near 74°20-22'W & 37°18-22'N (2) or the 80°F edges near 74°10-12'W & 37°10-15-20'N (2). East to southeast of Norfolk Canyon you will increase your chances in 1100-1200 fathoms where you find the bluer warmer 79°F to 80°F to 81°F edges pulled in by the eddy near 74°07-10'W & 36°42-50-52'N (2). Inshore, we like the edges and water where the eddies are pulling the water in a favorable inshore direction over the Lumps along the 77°F to 79°F filament edges near 75°18-20'W & 36°40-45'N (2) and northeast to the wreck and southwest of the Finger, or in the north over the Like Tiki Wreck and 77°F to 79°F edges near 75°01-02'W & 37°09-10'N (2) and west to northwest as indicated over the 26 Mile Hill.

Eastern Side: The eastern edges of the Gulf Stream will also increase your chances for fishing action along the 84°F to 83°F/82°F edges in the very southeast charted area near 74°01-02'W & 34°50-52'N to near 73°53'W & 35°05'N.

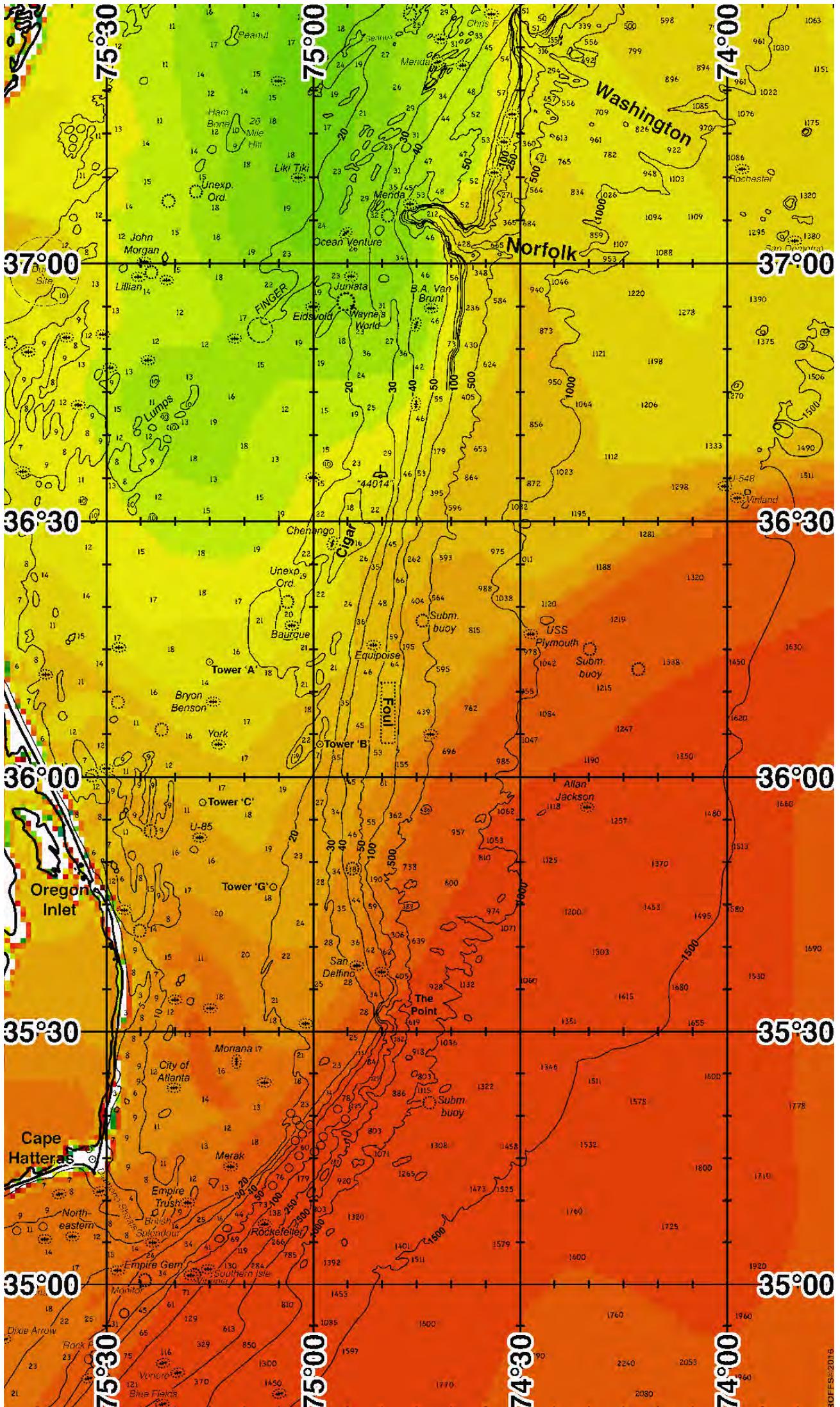
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