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**FISHERIES OCEANOGRAPHIC ANALYSIS FOR THE
WILMINGTON CANYON TO THE NORFOLK CANYON OFFSHORE (LAT/LONG)
UPDATED ON MONDAY 10 AUGUST 2020 FOR MONDAY P.M. & TUESDAY 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 today's infrared sst° and MODIS/VIIRS/Sentinel chl/ocean color satellite imagery for this analysis area to follow the oceanographic conditions for the past 10+ days. Overall, we have observed a relatively large, clockwise rotating eddy formation offshore of Spencer and Lindenkohl Canyons (centered near 72°18'W & 38°20'N). Relatively strong (3°F-4°F) blended blue to bluer water mass boundary conditions have been observed along the northwestern edges of this eddy, over ~1250 fathom depths from Carteret Canyon to east of Wilmington Canyon. The western edges of this eddy formation, south of Wilmington Canyon, have become relatively unstable. Particularly as cooler (76/77°F) green water appears to be moving offshore, across the southern Hayes Canyons. However, we anticipate some of the warmer (78/79°F) blended blue water to move towards the Hayes Canyons by tomorrow morning. A smaller, clockwise rotating eddy formation has been observed over the 1000 fathom depths between Poor Mans and Washington Canyons (centered near 73°45'W & 37°30'N). This eddy is helping push relatively stable (78/79°F) blended blue water mass boundary conditions towards the 500 fathom depths offshore of the Rockpiles. A counter-clockwise rotating Gulf Stream eddy formation has also been observed offshore of Washington Canyon (centered near 73°40'W & 36°54'N). This eddy will likely be mostly out of this chart area by tomorrow morning as cooler (78°F-79°F) blended blue water moves offshore from Norfolk and Washington Canyons. Relatively strong (74°F-77°F) blue green water mass boundary conditions have been observed south of Massey's Canyon inshore of Baltimore to Washington Canyons. We have also included an ocean color/chlorophyll composite image from yesterday afternoon and today so you can get a sense of where the bluer and greener water is located (email only, white=clouds).

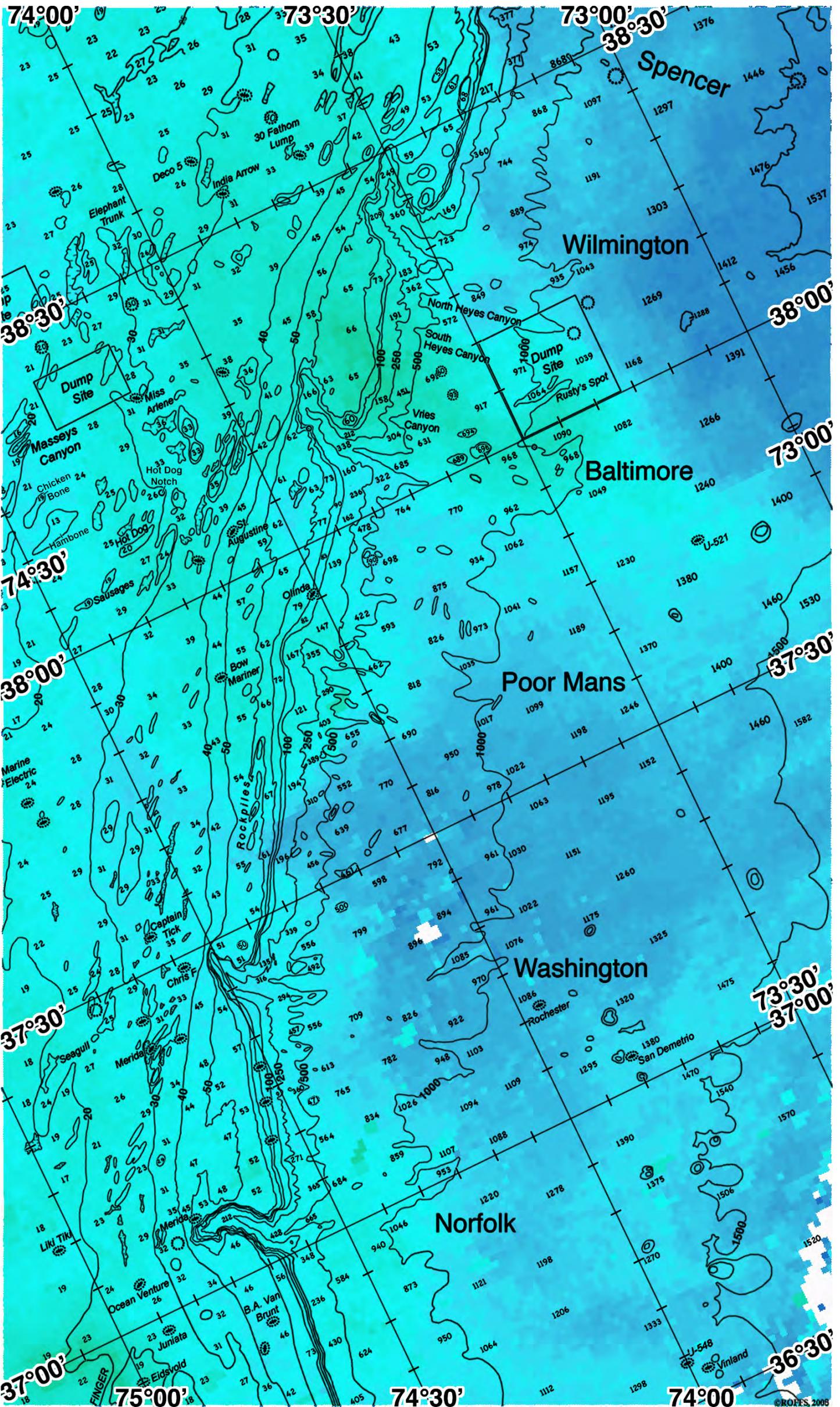
With this in mind, the better chances for tuna and marlin fishing action are likely to occur over the ~1250 fathom depths off of Spencer and Wilmington Canyons (near 72°55'W & 38°20'N (2) and 73°05'W & 38°15'N (2)) where favorable (78°F-81°F) blended blue to bluer water mass boundary conditions have been observed for two days. We have also observe favorable, but different, (78°F-79/80°F) blended blue/bluer water mass boundary conditions pushing west, towards Wilmington Canyon (near 73°15'W & 38°16'N (3)) for the past three days. These conditions suggest good chances for fishing action to occur. We have also observed similar water mass boundary conditions south of Wilmington Canyon, towards the 1500 fathom curve. However, keep in mind, these boundaries are less stable than along the northwestern edges of the eddy formation off of Carteret to Spencer Canyons. You may also try fishing near the 1250 fathom depths off of Carteret and Lindenkohl Canyon (near 72°40'W & 38°32'N (4), 72°30'W & 38°38'N (2), and 72°20'W & 38°40'N (3)) where favorable (76/77°F) blended blue to bluer water mass boundary conditions have been observed for two to four days. These conditions suggest additional good chances for offshore fishing action to occur.

For those heading inshore by Baltimore Canyon, increased chances for inshore tuna fishing action are likely to occur near Massey's Canyon and the Chicken Bone (near 74°22'W & 38°20'N (2) and 74°20'W & 38°15'N (2)) to the Hambone (near 74°30'W & 38°07'N (2)) where favorable (74°F-76/77°F) green to blue green water mass boundary conditions have been observed for two days as well. Continuing south, over the 20-30 fathom good bottom inshore, south of the Hambone, towards the Marine Electric (from near 74°30'W & 38°08'N (2), 74°35'W & 38°02'N (3), 74°38'W & 37°56'N (3), and 74°40'W & 37°38'N (3)) favorable (74°F-77°F) green to blue green water mass boundary

conditions have been observed for two to three days as well. From here, you may also try fishing the 50 fathom good bottom near the Rockpiles (near 74°20'W & 37°44'N (3)) offshore, towards the 500 fathom depths off of Poor Man's Canyon (near 74°04'W & 37°45'N (3)) where favorable (76°F-78°F) green/blue green to blended blue water mass boundary conditions have been observed for three days as well. Over the 500-750 fathom depths off of the Rockpiles (Near 74°13'W & 37°27'N (3) and 74°08'W & 37°35'N (3)) favorable (77°F-79°F) blue green to blended blue water mass boundary conditions have been observed for three days as well. These conditions suggest additional good chances for fishing action to occur as well.

If you were interested in heading further offshore, towards the southeastern chart area off of Norfolk and Washington Canyons, we have observed warmer (80°F-83°F) blue green water mass boundary conditions over the 1250-1500 fathom good bottom. Heading offshore, you may want to try fishing off of Washington Canyon (From near 73°45'W & 37°03'N to 73°18'W & 37°15'N) where we anticipate warmer (82/83°F) blue green water mass boundary conditions to push towards by tomorrow morning. Bluer water mass boundary conditions are likely to occur over the 1500+ fathom depths (near 73°50'W & 26°30'N (2) and 73°38'W & 36°47'N (2)). These conditions suggest additional increased chances for offshore tuna and marlin fishing action to occur as well.

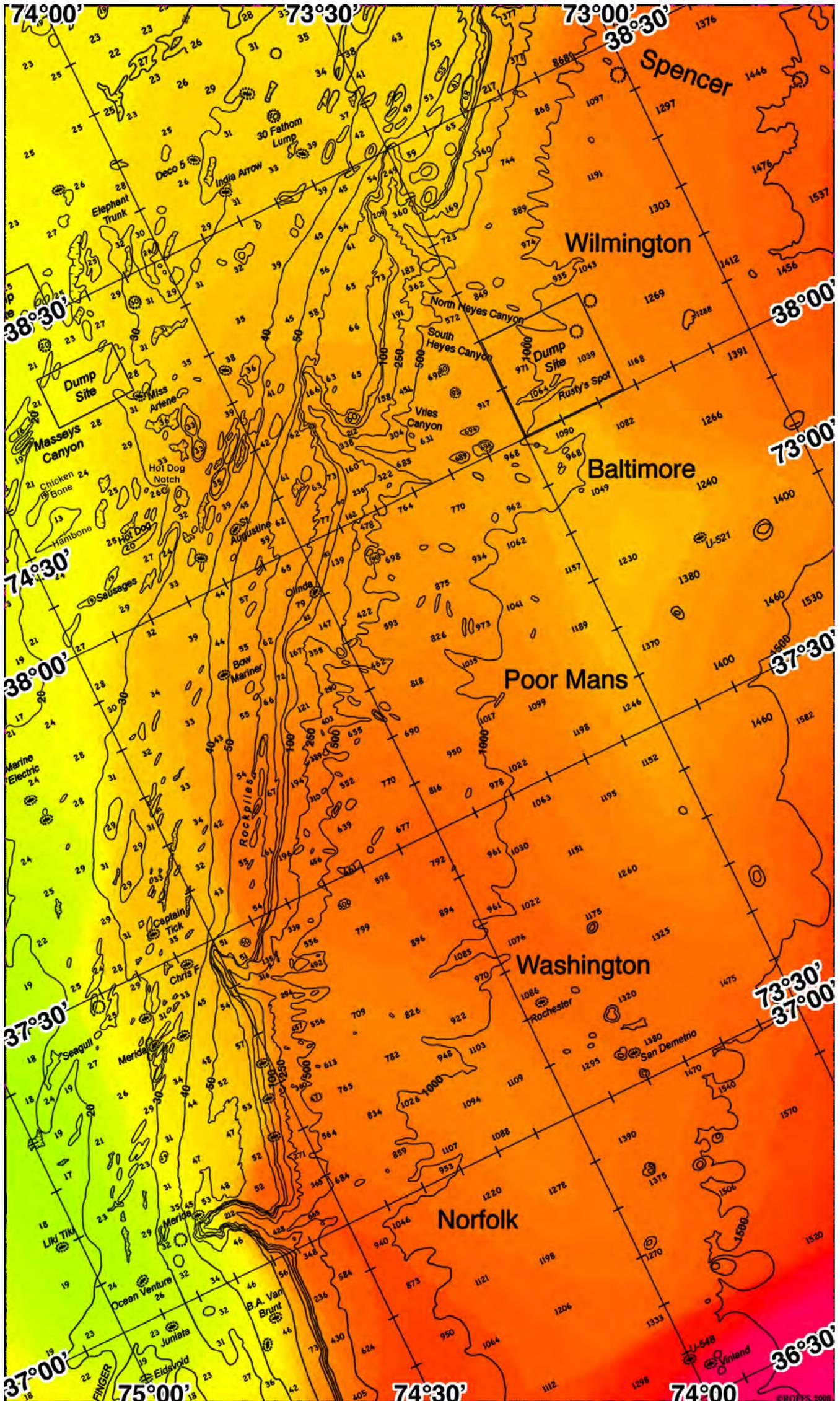
ROFFS™ SUMMER Hours: Mon – Fri. 9:00 am – 7:00 pm EDT (sometimes later based on demand) with analysis order deadline before 3pm. We are now open on Saturdays 9AM to 4PM (sometimes we close earlier based on demand) analysis order deadline is 9:00am on Saturday. *Thank you for not sharing this analysis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





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