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FISHERIES OCEANOGRAPHIC ANALYSIS FOR THE KONA HAWAII AREA (LAT./LONG.) UPDATED ON FRIDAY 13 MAY 2022 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. Depth is in meters, 1 meter = approximately 3.3 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 were able to see this area mostly clearly today using the past 24-48 hours of data and follow some of the conditions over the past two to three days to increase your chances for tuna, wahoo, billfish and mahi action. We included a mostly clear color/chlorophyll image from the past 24-48 hours so you can see where the darker blue and blended blue water is located (white= clouds). Overall, we have located a counter-clockwise eddy centered north of the McCall Seamount near 157°05-10'W & 19°50'N and what appears to be a clockwise rotation centered east of the McCall Seamount closer to the western coast of Hawaii. This is causing the water to be pushing in a favorable inshore direction along the northern west coast near Kona and water pulling in an unfavorable direction in the southern west coast. Overall you can notice a lack of strong features with SST boundaries at 0.5°F to 1.0°F at best.

With all this in mind, we think the better conditions closer to Kona will be where the warmer darker blue water is pushing in a favorable inshore direction into the ledges from the 3000 meter contour near 156°16-20'W & 19°37-40-45-47'N (2) to the 2000 meter contour near 156°10'W & 19°40-44'N (2) to the 1000 meter contour near 156°03-05'W & 19°08-15'N extending south to near 156°00-02'W & 19°16-30'N (2). Additional favorable conditions occur a bit farther north along the 3000-2000-1000 meter contours and 77.5°F to 78.5°F boundary where it also appears to be pushing inshore, but the conditions look better direction west of Kona. Offshore, we also really like the conditions along the east to southeast eddy edges (blue to darker blue, 77.5°F to 78.5°F/78.8°F) pushing over the eastern McCall SeaMount near 157°00'W & 19°10'N to the north-northeast near 156°50-56'W & 19°17-20-22'N (2) to near 156°45-50'W & 19°30-34'N (2) to near 156°48'W & 19°41-42'N (2) and to the northeast near 156°36'W & 19°53'N (2).

In the southern charted area, we really like the warmer darker blue 79.1°F pulse of water over southern Pensacola Seamount near 156°50-52'W & 18°37'N (2) to near 156°59'W & 18°40-41'N (2) then extending north to near 156°59'W & 18°45-50'N.

In the northern charted area we like the blended blue to bluer and 76.0°F/76.5°F to 77.5°F water mass boundaries just north of the Big Island near 155°50-55'W & 20°27-30'N (2). Farther west, we also like the area over the ledges and 1000-2000-3000 meter contours south of Kahoolawa near 156°29'W & 20°28-29'N (2) is best then extending west near 156°35-47'W & 20°23'N (2). Farther west the northern eddy edges and filaments near the 3000 meter contour and 78.0°F to 77.5°F boundary looks favorable, but what is better is farther north where there is a pulse of warmer water pushing into the area near 157°20-25'W & 20°32-33'N by tomorrow which should produce good fishing action with a new pulse of offshore water moving into the area well west of Maui into the 2000-3000 meter contours.

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