

## CHANNEL ISLANDS HARBOR WATER QUALITY ISSUE REMOTE SENOR DATA – 7/18/19 THROUGH 7/24/19

The remote sensor data for the period from 7/18/19 to 7/24/19. Dissolved oxygen (DO, in blue) dipped well below 4 mg/L during some nights towards the end of the week (7/24/19) at Mandalay (station 20), but recovered to higher values during the day. This pattern bears scrutiny. Chlorophyll (a proxy for microscopic algal biomass, in green) concentrations higher than 10 µg/L were observed at Seabridge (station 6) towards the end of the week (7/24/19). Large spikes of chlorophyll values (>10 µg/L) at Westport (station 7) as well, but these high values appear to be related to macroalgae growing on the dock interfering with the sensor. Jellyfish were observed at all stations during sampling on 7/24/19, with large schools at Seabridge (station 6) and Westport (station 7). Some macroalgae were also observed at all four sampling stations on 7/24/19. The City of Oxnard and Aquatic Bioassay & Consulting are continuing to monitor the water quality conditions in the back basins using the remote sensor data.

