

CHANNEL ISLANDS HARBOR WATER QUALITY ISSUE REMOTE SENOR DATA – 7/10/19 THROUGH 7/18/19

The remote sensor data for the period from 7/10/19 to 7/18/19. Acceptable concentrations of chlorophyll (a proxy for microscopic algal biomass, in green) were observed at all four remote sensor locations. Dissolved oxygen (DO, in blue) decreased to approximately 4 mg/L during some nights, but quickly recovered to high values the following days. Normal daily oscillations were observed, as well as large spikes of chlorophyll values ($>10 \mu\text{g/L}$) at Westport (station 7), possibly an effect of macroalgae growing on the dock around the sensor. Some jellyfish was observed at all stations during sampling on 7/18/19, along with some macroalgae observed at Mandalay (station 20). 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.

