

CHANNEL ISLANDS HARBOR WATER QUALITY ISSUE REMOTE SENOR DATA – 5/30/19 THROUGH 6/5/19

The remote sensor data for the period from 5/30/19 to 6/5/19. Acceptable concentrations of dissolved oxygen (DO; in blue) and chlorophyll (a proxy for microscopic algal biomass, in green) were observed at all four remote sensor locations. Normal daily oscillations were observed, as well as large spikes of chlorophyll values ($>10 \mu\text{g/L}$) were observed at Westport (station 7), possibly an effect of boat traffic or the presence of macroalgae. Some visible macroalgae were observed at Seabridge (station 6), Westport (station 7), and the boundary of Seabridge/Westport (station 23) during sampling on 6/5/2019, as well as some jellyfish at the boundary of Seabridge/Westport (station 23). Sensor data from Mandalay (station 20) is not available this week. 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.

