

CHANNEL ISLANDS HARBOR WATER QUALITY ISSUE REMOTE SENSOR DATA – 8/15/19 THROUGH 8/22/19

The remote sensor data for the period from 8/15/19 to 8/22/19. Dissolved oxygen concentrations (DO, in blue) were low (at or below 4 mg/L) during night time near the beginning of the week (8/15/19) at all four stations, but recovered to higher values during the day. DO values at Westport (station 7) and Seabridge (station 6) were particularly low during night time at the beginning of the end of the week (around 8/15/19), but values gradually rose as the week progressed. High chlorophyll (a proxy for microscopic algal biomass, in green; concentrations greater than 30 $\mu\text{g/L}$) were observed at all four stations, but very high ‘spikes’ may be due to interference of floating macroalgae with the sensors, as macroalgal mats were observed at all stations during sampling on 8/22/19. 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.

