

CHANNEL ISLANDS HARBOR WATER QUALITY ISSUE REMOTE SENOR DATA – 4/2/19 THROUGH 4/10/19

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 (movement back and forth at a regular speed) were observed, but no notable decreases or increases across days were observed in the parameters. A few short-lived spikes in chlorophyll were observed (especially at Westport; Station 7.) These may be due to boat traffic near the sensor package, but do not appear to indicate an algal bloom. Visible macroalgae and a large school of moon jellyfish were observed at Westport (Station 7) during sampling on 4/10/2019. Substantial amount of macroalgae was also observed at Seabridge (Station 6). The City of Oxnard and Aquatic Bioassay & Consulting are continuing to closely monitor the water quality conditions in the back basins using the remote sensor data.

