

CHANNEL ISLANDS HARBOR WATER QUALITY: REMOTE SENSOR DATA – 03/30/22 THROUGH 04/06/22

Below is the remote sensor data from 3/30/22 to 4/6/22, which is data collected since the date of installation (3/30/2021). This data captures trends of dissolved oxygen concentrations (DO; individual data points in blue and rolling average of prior 50 data points in yellow) and chlorophyll fluorescence (a proxy for microscopic algal biomass; individual data points in green and rolling average of prior 50 data points in red) at two designated sampling locations. Data points for chlorophyll >100 μ g/L were removed (gaps for green lines at station 7) as the values are likely artefactual, possibly due to interference by drifting macroalgae.

The City of Oxnard and Aquatic Bioassay & Consulting will continue to monitor the sensors in the area.

Logger 062554 - Located at Seabridge (Station 6) 70 16 -Chlorophyll a Chlorophyll a Rolling average **→**DO -DO Rolling average 60 12 50 10 2 Chlorophyll a (µg/L <u>6</u> 30 20 10 2 Logger 062556 - Located at Westport (Station 7) 70 16 14 60 12 50 Dissolved oxygen (DO; mg/L Chlorophyll a (µg/L) 20 10 3/31/2022 0:00 3/30/2022 0:00 4/1/2022 0:00 4/3/2022 0:00 4/5/2022 0:00 1/6/2022 0:00 4/7/2022 0:00 4/2/2022 0:00 4/4/2022 0:00