

The Response of Phytoplankton and Nutrient Composition at Rio Vista, CA to an Upgrade of a Major Wastewater Treatment Plant

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How will nutrient composition and chlorophyll concentration at Rio Vista, CA respond to the Regional San Wastewater Treatment Plant (RSWWTP) upgrade?

Rio Vista, CA is located downstream from RSWWTP and upstream from the northern San Francisco Estuary (nSFE), a high nutrient low chlorophyll (HNLC) system that provides essential low salinity habitat for endangered pelagic fish such as the Delta Smelt. As such, Rio Vista is an advantageous site to monitor how RSWWTP's recent "EchoWater" upgrade affects the nutrient regime and chlorophyll content of water that is delivered to the nSFE. This data will provide data that can help elucidate the broader ecological impacts of management actions like the EchoWater upgrade in complex estuarine systems.



Wilkerson/Dugdale Lab 3/2020 - 2/2022 Nitrate, Ammonium, Chlorophyll

