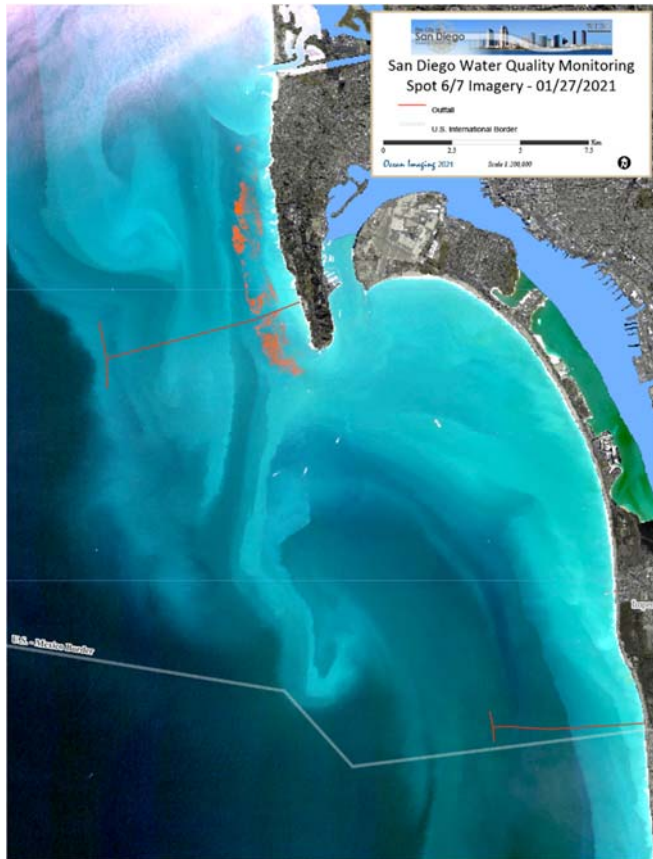


Ocean Imaging

July 2023 - Ocean Imaging Renews Long-Term Contract with the City of San Diego to Help Monitor Coastal Water Quality



Since 2002 Ocean Imaging (OI) has partnered with the City of San Diego's Public Utilities Department and the United States International Boundary and Water Commission to utilize satellite and aerial imagery to better understand regional water quality conditions off San Diego California. OI pioneered the utility of satellite and aerial remote sensing for detection of polluted coastal runoff and sewage outfall effluent plumes in the mid-'90s as part of coastal applications development work funded by NASA's Commercial Remote Sensing Program. That research led to several demonstration studies with promising results. The EPA and California state agencies took notice of OI's work and in 2002 a remote sensing-based monitoring component was formally added to two sewage discharger permits in the San Diego-Tijuana, Mexico region. Successes in the project's first year resulted in the project's extension, and now 21 years later the City has contracted with OI for another five years. The project is presently focused on detecting and

tracking the dispersion of wastewater plumes from local ocean outfalls and nearshore sediment plumes caused by stormwater runoff or outflows from local bays and rivers such as the Tijuana River just south of the U.S.-Mexican border. OI will also build a state-of-the-art dashboard-style, interactive website that facilitates increased and more efficient analysis of the remotely-sensed data by the City's researchers and constituents. Take a look at this video for more information: <https://www.sandiego.gov/public-utilities/sustainability/ocean-monitoring/reports/ocean-imaging-report-archives>