Welcome to this issue of the SWAMP Newsletter. Every few months we report the latest surface water ambient monitoring news from the State Water Resources Control Board and partners. We welcome your feedback at swamp@waterboards.ca.gov.

Spotlight on Regional Monitoring for Cyanotoxins

Using Innovative Technology to Monitor Freshwater Cyanobacteria Harmful Algal Blooms in the North Coast Region

By Katharine Carter, Lisa Bernard and Rich Fadness
The North Coast Regional Water Board establishes a Cyanobacteria and Harmful Algal Bloom Monitoring and Response Program to monitor, assess, and report on benthic CyanohAB conditions.
⇒ Learn More

Microcystin Prevalence throughout Lentic Water Bodies in Coastal Southern California

by Carey Nagoda
Multiple cyanotoxins were detected simultaneously in some waterbodies, indicating multiple stressors. The risks of which are uncertain because health thresholds are based on exposures to single cyanotoxins, indicating that cyanobacteria blooms are a more complex stressor than presently recognized and should be included in water quality monitoring programs.
⇒ Learn More

The OEHHA Fish Advisory Program

by Susan Klasing
Since July 2015, OEHHA has issued more than 20 new or updated advisories for recreational waters throughout the state ⇒ Learn More

The 2017 Data Science Symposium’s Presentations and Videos Now Available! ⇒ Learn More

Surface Water Ambient Monitoring Program (SWAMP)
http://www.waterboards.ca.gov/water_issues/programs/swamp/
California Aquatic Bioassessment Workgroup
Meeting a Success! by Toni Marshall
The 24th annual CABW meeting was held at UC Davis on October 24th-25th. ⇒ Learn More

The Reference Condition Monitoring Program (RCMP): A Network of California’s Healthiest Streams
by Andrew Rehn
California’s Reference Condition Monitoring Program has created a robust network of monitoring data from minimally disturbed streams throughout California. This network is the backbone of SWAMP’s Bioassessment Program, but it also provides critical context for other high priority issues including setting environmental flow requirements, assessing the impacts of climate change on ecosystem health and identifying high priority conservation areas. ⇒ Learn More

Assessing the Biological Condition of Intermittent and Ephemeral Streams in the San Diego Region
by Raphael Mazor
A pilot study in the San Diego region shows that assessment tools based on terrestrial invertebrates and mosses can be used to measure the health of intermittent or ephemeral streams, even when they are dry. These assessment tools will provide more comprehensive watershed monitoring and support the integration of non-perennial streams in Waterboard programs. ⇒ Learn More

Statewide Hydrologic Classification Map Now Available
by Eric Stein
Statewide Hydrologic Classification Provides Foundation for Understanding Patterns of Condition and Stress. ⇒ Learn More

Informing Action and Tracking the Dramatic Water Quality Improvement in San Simeon Creek
By Mary S. Hamilton
For over a decade, nitrate fueled algal blooms and resulted in unhealthy conditions for fish and other aquatic organisms in San Simeon Creek. However, recent upgrades to nitrogen treatment at the nearby wastewater treatment facility resulted in nearly immediate improvement in the health of the creek. ⇒ Learn More

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