

THE OFFICE OF INFORMATION MANAGEMENT & ANALYSIS

BROWN BAG SEMINAR

2018 Water Quality Status Report: The Status of California's Surface Waters

Speaker: Michelle Tang
Environmental Scientist, State Water Resources Control Board

Please Note:

- All participants are muted upon log in
- ■For questions, all participants will be un-muted after the presentation is completed. Or, send via chat box.
- •A recording of the presentation will be posted on http://www.waterboards.ca.gov/water issues/programs/swamp/brownb ag seminars.shtml

Brown Bag Seminar: 2018 Water Quality Status Report

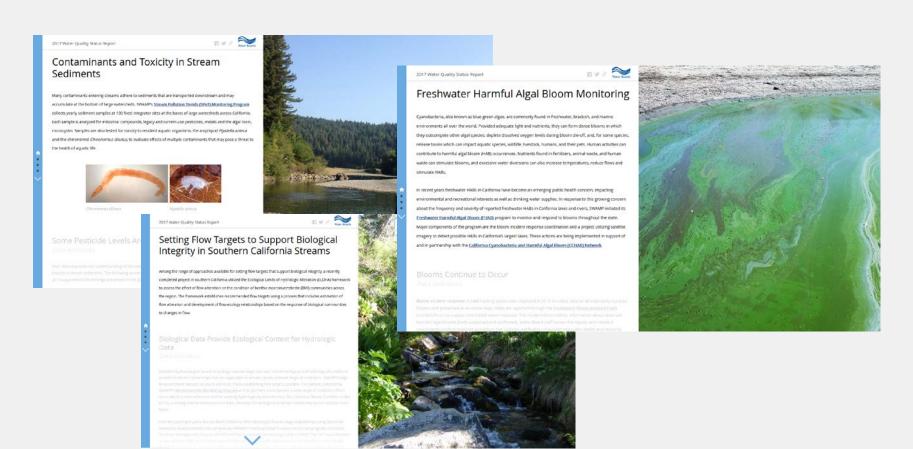
Michelle Tang, Environmental Scientist
Surface Water Ambient Monitoring Program
Office of Information Management and Analysis
State Water Resources Control Board
September 27, 2018

What is the Water Quality Status Report?

- An annual data-driven report highlighting the status of California's surface waters.
- Data visualization showcase.
- For a broad audience.
- Only surface waters... for now.
- Collaborative effort between Water Boards staff and partners.

2017 Water Quality Status Report

 Seven important stories about the health of California's surface waters.



2018 Water Quality Status Report

- One data story: Land to Sea Connectivity.
- 2018 Water Boards Science Symposium: Adapting in the Face of Disruptive Landscape Change.
- Highlight new methods being developed to transform data into new insights.



Content Contributors

- Bryn Phillips, University of California, Davis
- Dawit Tadesse, State Water Resources Control Board
- Rich Fadness, North Coast Regional Water Board
- Rebecca Nordenholt, San Francisco Regional Water Board
- Calvin Yang, State Water Resources Control Board
- Marcus W. Beck, Southern California Coastal Water Research Project
- Mary Hamilton, Central Coast Regional Water Board
- Stefanie Scott, CalRecycle (prev. State Water Resources Control Board)
- Ali Dunn, State Water Resources Control Board
- Jay Davis, San Francisco Estuary Institute

Live Demo – Let's go!

2018 Water Quality Status Report





Land to Sea Connectivity

What we do on land impacts what happens in our waters, from streams to lakes all the way to the ocean. Runoff from snowmelt, precipitation, or irrigation picks up soil and pollutants along the way, which end up in our waterways.

By monitoring our water bodies along the entirety of the connected system, we can better understand how disturbances move through our environment and create impacts felt far away from their source.

As we navigate through a watershed, we will take you on a journey to better understand the **Status of California's Surface Waters** by sharing insights from data collected and analyzed by our programs and projects we use to measure water quality. And we encourage you to explore more on your own. Please look for the following icons associated with each story to help guide you on this journey.

Measures of long-term disruptors: this measure aims to inform on effects that result from long-term disruptions, like land use activities, changes in watershed hydrology, temperature shifts, and global forces.

Measures of short-term disruptors: this measure aims to inform on

effects that result from events that happen suddenly, like fires, floods, and large point-source pollution.



https://arcg.is/1LyS9

Thank you! Questions?

Link to the 2017 and 2018 Water Quality Status Report: www.waterboards.ca.gov/resources/data_databases/wq_status_report.html

Michelle Tang, Environmental Scientist

Office of Information Management and Analysis

State Water Resources Control Board

michelle.tang@waterboards.ca.gov

Nicole Hack, Sea Grant Fellow

Office of Information Management and Analysis

State Water Resources Control Board

nicole.hack@waterboards.ca.gov