

California Water Quality Monitoring Collaboration Network Announces

Citizen Science & Watershed Stewardship Webinar Series

Join the California Water Quality Monitoring Collaboration Network along with Lisa Emanuelson from the Monterey Bay National Marine Sanctuary, Savannah Rudroff from The League to Save Lake Tahoe and Ray Heimstra from the Orange County Coastkeeper for the presentation "Snapshot Day Events: A Water Quality Monitoring-Blitz". Please join us on Thursday June 22, 2017 from 11:30 AM -12:30 PM (PST) for our next presentation in the Citizen Science & Watershed Stewardship Webinar Series. Please see the instructions below to join the webinar. Prior webinars in this series can be viewed at [2017 Citizen Monitoring Webinar Series](#)

Topic: Snapshot Day Events: A Water Quality Monitoring-Blitz

What could you do with water quality monitoring field crew consisting of teams numbering up to a hundred or more individuals? That is a question that Snapshot Day coordinators deal with annually. For a single day of mass monitoring, trained volunteers collect water quality measurements and samples which collectively present a Big Picture worth of data. During this webinar you will learn about Snapshot Days from the two longest lived Snapshot Day events in California.



18th Annual Snapshot Day was Saturday, May 6th, 2017

17th Annual Tahoe Truckee Snapshot Day was May 20, 2017

On the first Saturday in May, volunteers from San Mateo County to San Luis Obispo County participate in the annual "Snapshot Day" Event. Trained volunteers participate in this Sanctuary-wide volunteer water quality monitoring event designed to increase information and public awareness about water quality issues affecting watersheds that drain to the Monterey Bay National Marine Sanctuary (MBNMS). This community event provides a one-day "snapshot" of the health of the rivers and streams that flow into the MBNMS. Temperature, dissolved oxygen, pH, and conductivity are measured in the field and water samples are collected for laboratory analysis of nutrients and bacteria levels. The volunteers collecting this valuable information play a key role in our community as stewards of our watersheds. The information they provide is used by resource agencies, local governments and community groups to protect and improve the health of our local streams through the 303(d) list among other resources. [Monterey Bay Sanctuary Citizen Watershed Monitoring Network](#)

The Tahoe Truckee Snapshot Day is a collaborative effort between many agencies to monitor water quality of the Truckee River Watershed from South Lake Tahoe to Pyramid Lake. The League has been a lead planner in the South Lake Tahoe event since 2014, fully taking over the planning in 2016. Each year, over 100 community members join the event to monitor approximately 30 streams, rivers and lakes for water quality data that can be used to identify problems within the watershed. [The League to Save Lake Tahoe](#)

[Orange County Coastkeeper](#) has provided southern California with many opportunities to engage with citizen science including Snapshot Day events. Ray Heimstra will provide comments regarding the strengths and benefits provided to coastal Southern California through Snapshot Day events.

Presenters:

Lisa Emanuelson- As the Volunteer Monitoring Coordinator Lisa Emanuelson tackles such wide-ranging topics as: water quality monitoring and reporting, watershed education, and wildlife disturbance. Lisa trains and coordinates the Team OCEAN Kayaker Naturalist program, and Bay Net Shoreline Naturalist Program. Lisa also provides direction and coordination to the Sanctuary Citizen Watershed Monitoring Network through training, data management, and data quality control assistance, and several Sanctuary-wide monitoring programs each year, including Snapshot Day, Urban Watch, and First Flush.

Locally educated, Lisa Emanuelson grew up in the San Francisco Bay Area and received her Bachelor of Science in Biology from the University of California, Santa Cruz. She brings 20 years of educational and programmatic experience to the water quality program, through teaching with the Ocean Discovery Center and the Catalina Island Marine Institute as well a seven years of experience working on the MBNMS Education Team.

Savannah Rudroff graduated with a Bachelor's of Science in Marine Biology from UC Santa Cruz. During her time at UC Santa Cruz, she was able to take many limnology classes to complete her course of study and she also held several event planning jobs for the campus. In 2014 she joined the League to Save Lake Tahoe as the Natural Resources Associate and AmeriCorps member. As her AmeriCorps term of service was ending in 2015, the League was able to transition her into a permanent member of the team.

Ray Hiemstra, Associate Director of Programs, has spent the last fifteen years at Orange County Coastkeeper working to preserve, protect, and restore coastal and inland water quality and habitat. His work includes water quality advocacy, policy development, grant writing, Marine Protected Areas, species and habitat restoration and water and sediment monitoring. Ray is a member of numerous committees and workgroups including the Port of LA/Long Beach Harbor Safety Committee and Newport Bay Management Committee. He is the most recent recipient of the Laguna Hero Fest Ocean Hero Award.

Ray is an avid outdoorsman and enjoys traveling. He is a lifelong resident of Orange County and spends his spare time working with the Sierra Club, community groups or relaxing with his family and friends.

CWQMCN Communication:

- CWQMCN webinar listserv:

www.waterboards.ca.gov/resources/email_subscriptions/swrcb_subscribe.shtml After opening the above web-site, enter your email address and name, click on State Water Resources Control Board - Covering statewide issues, next click General Interests, and then place a check mark next to "Water Quality Monitoring Collaboration Network - Webinar Sessions", then click the "subscribe" button.

- We have set up a webpage for the California Water Quality Monitoring Collaboration Network www.mywaterquality.ca.gov/monitoring_council/collaboration_network/index.html
- We also have a LinkedIn Group, California Water Quality Monitoring Professional Network. This group was formed to facilitate water quality monitoring communication and discussions. www.linkedin.com.
- Watch CWQMCN videos and find video playlists organized by topic at www.youtube.com/cwqmcn.
Clean Water Team: The Clean Water Team (CWT) is the citizen monitoring program of the State Water Resources Control Board. The CWT is a part of the Surface Water Ambient Monitoring Program (SWAMP). The CWT Citizen Monitoring Coordinator(s) work statewide in order to provide technical assistance and guidance documents, training, QA/QC support, temporary loans of equipment and communication to citizen monitoring programs and watershed stewardship organizations. Our Mission ... "To build and support the State's Watersheds' Stewardship through citizen monitoring in order to reduce and prevent water pollution.
- www.waterboards.ca.gov/water_issues/programs/swamp/cwt_volunteer.shtml
- www.waterboards.ca.gov/water_issues/programs/swamp/cscs_toolkit.shtml
- www.youtube.com/CleanWaterTeamVideos

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