

California Water Quality Monitoring Collaboration Network Participant:

Join the California Water Quality Monitoring Collaboration Network and Dale Turner from The Nature Conservancy in Arizona presenting “Wet/dry mapping – Using citizen scientists to monitor perennial surface water”. Please join us on Thursday, May 8, 2014 from 11:30 AM -12:30 PM. Please see the instructions below to join the webinar. *To watch the presentation, “join the online meeting” and to hear the meeting, “join the teleconference (call in)” as we use voice over phone protocol.*

Topic: Wet/dry mapping – Using Citizen Scientists To Monitor Perennial Surface Water

Combining citizen science with GIS and GPS technology, wet/dry mapping provides a snapshot of flow conditions in rivers and streams with interrupted perennial surface flow. Trained volunteers map surface water during the driest time of year to track annual variation, in a project that has grown to include surveys of more than 300 stream miles each year. Data from 15 years of wet/dry mapping on the San Pedro River and tributaries in Arizona and Sonora show which reaches have surface flow in every year. They also show areas with high year-to-year variation in flow length, which indicates changes in local groundwater conditions and may provide early warning of ecological changes. This wet/dry data set provides a watershed-scale snapshot of river conditions, with enough resolution to detect trends in relatively short reaches. It has allowed us to identify groundwater recharge opportunities – reaches of the San Pedro where supplemental groundwater input is likely to increase the length of permanent surface water – along with providing a tool for monitoring the impact of new recharge projects. Wet/dry has also been used by governmental agencies on other streams in Arizona, including BLM, National Park Service, and Pima County.

This presentation will include discussion of the technique, including the process of analyzing and presenting the data. Background materials are available at: www.azconservation.org/projects/water/wet_dry_mapping.

Presenter: Dale Turner

Dale Turner is a biologist and Conservation Planner for The Nature Conservancy’s Arizona Chapter. His work includes leading planning teams to guide Conservancy action on the ground, and assisting agency partners in their planning efforts. Dale’s recent work has focused on the Verde and San Pedro rivers, in each case analyzing the whole watershed to determine the places and strategies of highest priority. As a cartographer and GIS analyst, he also uses field data from many volunteers to develop maps for the annual San Pedro River wet/dry surveys. dturner@tnc.org www.azconservation.org

Meeting information

When: May 8, 2014; 11:30am-12:30pm.

Topic: CWQMCN Wet/Dry Mapping

Date: Thursday, May 8, 2014

Time: 11:30 am, Pacific Daylight Time (San Francisco, GMT-07:00)

Meeting Number: 749 291 872

Meeting Password: water

To join the online meeting

Go to <https://waterboards.webex.com/waterboards/j.php?MTID=m204d7ca3f0191175108e6e05feb6ab0d>

Call-in toll-free number (Verizon): 1-866-761-8603 (US) (required for webinar sound)

Call-in number (Verizon): 1-517-652-7895 (US)

Show global numbers: <https://wbbc.verizonbusiness.com/wbbcClick2Join/servlet/WBBCClick2Join?TollNumCC=1&TollNum=517-652-7895&TollFreeNumCC=1&TollFreeNum=866-761-8603&ParticipantCode=5095154&customHeader=mymeetings&dialInNumbers=true>

Attendee access code: 509 515 4

Go to: <https://waterboards.webex.com/waterboards/j.php?MTID=m204d7ca3f0191175108e6e05feb6ab0d>

For assistance

1. **Go to** <https://waterboards.webex.com/waterboards/mc>

2. **On the left navigation bar, click "Support".**

To add this meeting to your calendar program (for example Microsoft Outlook), click this link:

<https://waterboards.webex.com/waterboards/j.php?ED=226872432&UID=484113162&ICS=MS&LD=1&RD=2&ST=1&SHA2=x1e5wAxM/DSk5qr3Jepj178/LJHe/v4Xh67UVWBmjXY=>

To check whether you have the appropriate players installed for UCF (Universal Communications Format) rich media files, go to

<https://waterboards.webex.com/waterboards/systemdiagnosis.php>.

<http://www.webex.com>

CCM:+15176527895x3359348#

IMPORTANT NOTICE: This WebEx service includes a feature that allows audio and any documents and other materials exchanged or viewed during the session to be recorded. You should inform all meeting attendees prior to recording if you intend to record the meeting. Please note that any such recordings may be subject to discovery in the event of litigation.

CWQMCN Emails:

You can join the CWQMCN webinar listserv by signing up on the web at:

www.waterboards.ca.gov/resources/email_subscriptions/swrcb_subscribe.shtml.

Enter your email address and name, 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 (CWQMCN) at:

www.waterboards.ca.gov/water_issues/programs/monitoring_council/collaboration_network/index.shtml

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 at www.youtube.com/cwqmcn.