

California Water Quality Monitoring Collaboration Network Participant:

Join the California Water Quality Monitoring Collaboration Network and from USGS, Kernell Ries, Tony Gotvald and Nancy Barth for a 1-hour Webinar session "StreamStats: A Streamflow web application." This Webinar will be on Thursday, April 12, 2012 from 11:30 AM -12:30 PM. Please login 15 minutes early and call the toll free phone number, see the instructions below to join the webinar.

StreamStats: A Streamflow web application

StreamStats is a U.S. Geological Survey web application (<http://streamstats.usgs.gov>) that provides users with streamflow statistics, basin characteristics, and other information for USGS data-collection stations and for ungaged sites. Users can select data-collection station locations shown on a map and obtain previously published information for the stations. Users also can select any location along a stream and obtain the drainage-basin boundary, basin characteristics, and estimates of streamflow statistics for the location. These estimates are useful for a variety of water-resources planning and management purposes, including instream-flow analyses, as well as for engineering and design purposes. The streamflow statistics that can be estimated for ungaged sites vary among the states that are implemented in StreamStats. Only estimates of flood frequency statistics are available for ungaged sites in California. The StreamStats development team coordinator, Kernell Ries, will provide a description of current and planned functionality for California StreamStats, and hydrologists Tony Gotvald and Nancy Barth will describe the development of new regression equations for estimating flows with 50-, 20-, 10-, 4-, 2-, 1-, 0.5-, and 0.2-percent annual exceedance probabilities for ungaged basins in California. These new equations will be incorporated into the StreamStats program in the near future.

Kernell Ries is a hydrologist with the U.S. Geological Survey's Office of Surface Water, where he has been the national coordinator for the StreamStats Program since its inception 10 years ago. He also has worked for the USGS Water Science Centers in Massachusetts for 22 years and in Maryland for 6 years. During his career, Kernell has authored or co-authored over 50 publications on various aspects of surface-water hydrology, but primarily on statistical hydrology and use of geographic information systems for hydrologic applications. He has given numerous presentations at national and international conferences and other venues, and has taught several USGS training courses in statistical hydrology. In addition, Kernell serves as the USGS representative for the Hydrology, Hydraulics, and Water Quality Subcommittee of the Transportation Research Board of the National Research Council. Kernell has a B.S. degree in hydrology from the University of New Hampshire.

Tony Gotvald received a Bachelor of Science Degree in Civil Engineering from Mississippi State University in May of 1999 and a Master of Science Degree in Civil Engineering from the Georgia Institute of Technology in December of 2004. He began his career with the U.S. Geological Survey as a student in the Mississippi Water Science Center in January of 1997. After graduating from Mississippi State University in of May 1999, he transferred to the USGS Georgia Water Science Center as a full-time employee. He serves as technical support for the surface-water activities in the Georgia Water Science Center and is a member of the USGS Surface-Water User Group (SWUG). He has conducted flood frequency studies in the Southeast as well as in California.

Nancy Barth received her Bachelor of Arts Degree in Geophysics from U.C. Berkeley in August of 2001 and a Master of Science Degree in Geology from California State University, Sacramento in August 2010. She began her U.S. Geological career as a student at the California Water Science Center in January 2008. Over the past four years, she has helped

update regional skew and flood frequency estimates in California. She began helping the Office of Surface Water (OSW) in June 2011 compare flood frequency estimates between Bulletin 17B and the Expected Moments Algorithm (EMA) method for 82 long-term USGS gaging stations throughout the United States. The results of these comparisons will be presented to the Subcommittee on Hydrology, Advisory Committee on Water Information Hydrologic Frequency Analysis Workgroup (HFAWG).

Meeting information

Topic: CWQMCN Webinar - StreamStats
Date: Thursday, April 12, 2012
Time: 11:30 am, Pacific Daylight Time (San Francisco, GMT-07:00)
Meeting Number: 740 430 586
Meeting Password: wqwebinar

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<https://waterboards.webex.com/waterboards/j.php?ED=177632747&UID=484113162&PW=NM TY1YjZmM2Rh&RT=MIM0>

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We have set up a web page for the California Water Quality Monitoring Collaboration Network at:

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

Materials (if available), including all past webinars (recordings and pdf's) will be posted on the website. The recorded webinars and associated materials are located under 'Monthly Webinars'. We hope to use this webpage to help you network with each other and with the larger monitoring community. So, feel free to give us your ideas on how to make it better.

CWQMCN Emails:

New participants can join the webinar listserv by signing up on the web at http://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.

California Water Quality Monitoring Professional Network

Share technical and support tools for water quality monitoring, assessment and reporting; Encourage discussion on common concerns like information management and program development; Provide a forum for networking and collaboration.

This LinkedIn Group, California Water Quality Monitoring Professional Network, compliments the California Water Quality Monitoring Collaboration Network (CWQMCN) and was created so that water quality monitors and Network members would have the ability to further collaborate and communicate outside of the current CWQMCN Webinar series and emails

If you are a member of LinkedIn please join the group. Not a member yet? Please consider doing so and joining this group of water quality monitoring professionals, www.linkedin.com.