



Using the Surface Water Toolbox for Estimating Critical Flow Statistics

Thursday, February 8, 2018

Two-Hour Audio Web Broadcast

Eastern: 1:00p.m.-3:00p.m.

Central: 12:00p.m.-2:00p.m.

Mountain: 11:00a.m.-1:00p.m.

Pacific: 10:00a.m.-12:00p.m.

A Watershed Academy Webcast

Join us for a Webcast on the new **Surface Water Toolbox** developed by the U.S. Geological Survey and the U.S. Environmental Protection Agency. The *Surface Water Toolbox* is a user friendly, downloadable tool for water managers to estimate a wide variety of streamflow statistics. This tool can be downloaded from <https://water.usgs.gov/osw/swtoolbox/> and enables users to:

- Estimate critical flow statistics such as 7Q10 for gaged and un-gaged streams;
- Use a variety of statistic tests to evaluate emerging trends and identify anomalies.



Webcast participants are eligible to receive a certificate for their attendance. The Webcast presentations are posted in advance at <http://www.epa.gov/watershedacademy/watershed-academy-webcast-seminars> and participants are encouraged to download them prior to the Webcast.

Speakers:

Julie Kiang, Supervisory Hydrologist, U.S. Geological Survey. Julie Kiang is Chief of the Analysis and Prediction Branch of the Water Mission Area at the U.S. Geological Survey. Her group is involved in development and testing of methods for estimating flow statistics and hydrologic time series, understanding and predicting changing hydrology, and quantifying uncertainty in hydrologic observations and model results.

Brian Nickel, Environmental Engineer, Water Protection Division, Region 10, U.S. Environmental Protection Agency. Brian Nickel is an NPDES permit writer with EPA Region 10, in Seattle, WA. He has 14 years of experience writing water quality-based permits for the Region's direct implementation of the NPDES program in Idaho and on Tribal land in the other Region 10 states.

Jenny Molloy, Lead Environmental Protection Specialist, Water Permits Division, U.S. Environmental Protection Agency. Jenny Molloy has 25 years of experience in state and federal Clean Water Act programs, including NPDES permitting for stormwater, CAFOs, aquaculture, and other discharges.

Registration:

You must register in advance to attend this Webcast. Register at the Watershed Academy Webcast Website at: <http://www.epa.gov/watershedacademy/watershed-academy-webcast-seminars>.

The Watershed Academy:

The Watershed Academy is a focal point in EPA's Office of Water for providing training and information on implementing watershed approaches. The Academy self-paced training modules and webcast seminars provide current information from national experts across a broad range of watershed topics. For more information, please visit www.epa.gov/watershedacademy.

Questions? Please contact Erin Ress at erin.ress@tetrattech.com.

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