

Water Quality Modeling Basics and Beyond

About the Water Quality Modeling Basics and Beyond Webinar Series

EPA's Water Quality Modeling Workgroup is hosting a series of webinars to help water quality professionals better understand surface water quality modeling and how models can be used to solve common problems that face water quality regulators. The webinars are focused on modeling as it applies to the Total Maximum Daily Load (TMDL), Standards, and Water Quality Permitting Programs, but they are applicable to a wide range of audiences. These two hour webinars cover everything from modeling basics (e.g., model setup and calibration) to applied water quality modeling of different pollutants. Webinars are recorded and archived on EPA's website at <https://www.epa.gov/waterdata/surface-water-quality-modeling-training>.

Modeling Florida Lakes with BATHTUB

The purpose of the webinar is to discuss the water quality model BATHTUB and its application in modeling nutrients and eutrophication in Florida lakes. BATHTUB is an empirical model that was developed by the U.S. Army Corps of Engineers and has been utilized for steady-state and nutrient balance calculations for lakes and reservoirs throughout the nation. This webinar will present basic information on the model selection process, background information on the model application, and examples of how Florida has used BATHTUB in TMDL development ranging from simple to complex analyses.

Speakers: *Ansel Bubel and Erin Rasnake, Florida Department of Environmental Protection*

July 31, 2019

Eastern: 1–3 pm | Central: 12–2 pm | Mountain: 11–1 pm | Pacific: 10 am–12 pm | Alaska: 9 am–11 am

Sponsored By: EPA Water Quality Modeling Workgroup

Target Audience

The target audience is Clean Water Act (CWA) water quality regulators in programs such as TMDLs, monitoring, wetlands, standards, nonpoint sources, permitting, and assessment. The Webinar content assumes that audience members have an understanding of basic hydrology and water quality principles. The Webinars are open to everyone and will be relevant to anyone conducting water quality investigations.

Registration: You must register in advance to participate in this free Webcast. Please register at: <https://epawebconferencing.acms.com/floridamodeling/event/registration.html>. For more information contact the modeling workgroup (Water_Modeling_Workgroup@epa.gov). Please be sure to [view system requirements](#) prior to the webcast.

Materials in this Webcast have been reviewed by EPA staff for technical accuracy. However, the views of the speakers and the speaker's organization are their own and do not necessarily reflect those of EPA. Mention of any commercial enterprise, product, or publication does not mean that EPA endorses them.

If you are interested in receiving more information about the webinar series and updates from EPA's Office of Water, subscribe to the EPA list [here](#).