

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>.

Introduction to AQUATOX

This webinar will introduce AQUATOX, an ecological risk model for aquatic systems. The model predicts the fate of various pollutants, including nutrients, sediments and organic chemicals, and their effects on aquatic ecosystems. AQUATOX is a valuable tool for ecologists, biologists, water-quality modelers, and anyone performing ecological risk assessments for aquatic ecosystems. This webinar will describe the model framework and sub-models with a focus on nutrients and algae, including case studies. The webinar will also cover organic-chemical bioaccumulation and toxicity including the PFAs submodel as well as a discussion of the future of the model and its development as a web-service as part of the EPA hydrologic micro services project.

Speaker: Jonathan Clough, Warren Pinnacle Consulting

June 12, 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/aquatox_modeling/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.

The 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.