

# A Water Luncheon Seminar



► Presented by:  
The Water Management Association of Ohio  
and  
The Ohio Water Resources Center

**January 30, 2019; 11:30 a.m. - 1:00 p.m.**

Wilma H. Schiermeier Olentangy River Wetland Research Park,  
The Heffner Building, 352 Dodridge St., Columbus, OH 43202



From St. Rt. 315, exit east onto Ackerman Rd, continue past Olentangy River Rd onto W. Dodridge St, then left into Park driveway.

## USGS Super Gages Monitor Continuous Water-Quality at Streamflow Gages

**Tim Lathrop**, Hydrologist, USGS Ohio-Kentucky-Indiana Water Science Center,

[trlathro@usgs.gov](mailto:trlathro@usgs.gov)

The United States Geological Survey operates twelve Super Gage sites in Indiana, cooperating with a variety of organizations (<https://pubs.usgs.gov/fs/2015/3041/pdf/fs2015-3041.pdf>). Super Gages provide real-time estimates of concentrations and loads of suspended sediment, total nitrogen, and/or total phosphorus within watersheds where they are deployed (<https://nrtwq.usgs.gov/in/>). Tasks performed at each site often include quantification of streamflow, operation of continuous water-quality monitors, discrete sampling, and modeling of constituents not easily measured in real-time. Continuous, and publicly available data: 1) highlight 15-minute, daily, and event-driven fluctuations (<https://waterdata.usgs.gov/in/nwis/current/?type=quality>); 2) provide richer data sets for understanding relations between water quality, hydrology, geology, and land use; and 3) promote more effective resource management.

**Please register by January 28, 2019.** Late or on-site registrations cost \$5 extra and are not guaranteed a meal. For registered engineers who need Professional Development Hours (PDHs), this presentation offers 1 PDH.

WMAO Member (\$15)  Nonmember (\$18)  Student (\$7) Special meal? \_\_\_\_\_

Name \_\_\_\_\_

Organization \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Phone \_\_\_\_\_ Email \_\_\_\_\_

Please send form and check to: WMAO-Luncheon, 8584 E. Washington St. #206, Chagrin Falls OH 44023.

OR, register online with a credit card at: [www.wmao.org](http://www.wmao.org).