



## All Things Water in Indiana Science Symposium

Sponsored by:  
U.S. Geological Survey Ohio-Kentucky-Indiana Water Science  
Center  
Indiana Water Monitoring Council  
Indiana Water Resources Association

November 30<sup>th</sup>, 2023

8:00 am – 9:00 am

**Registration**

9:00 – 9:40 **Welcome: Introductions and Opening remarks**

9:40 – 10:00 **Understanding the USGS Hydrologic Networks and What They Can Tell Us**  
Jeff Woods, USGS Ohio-Kentucky-Indiana Water Science Center

10:00 – 10:20 **The Power of Water-Quality Networks: The Story of USGS Ohio River Supergages**  
Angie Crain & Daniel Gray, USGS Ohio-Kentucky-Indiana Water Science Center

10:20 – 10:40

**Break**

10:40 – 11:00 **Assessing Conditions at a Watershed Scale – Exploring the White River Report Card**  
Jill Hoffman & Kelly Brown, White River Alliance

11:00 – 11:20 **Contribution of Groundwater Nutrient Transport to Surface Water Loading in the Lake Erie Basin**  
Shawn Naylor, USGS Ohio-Kentucky-Indiana Water Science Center

11:20 – 11:40 **Long-term water quality trends in Indiana streams**  
Jessica (Jit) Weir, Indiana Department of Environmental Management

11:40 – 12:00 **Indiana Science Assessment to Support the Indiana State Nutrient Reduction Strategy – Determining Trends of Sediment and Nutrient Loads in Indiana Watersheds using the USGS Weighted Regressions on Time, Discharge and Season Model (WRTDS)**  
Julie Harrold, Indiana State Department of Agriculture

12:00 – 1:00

**Lunch available onsite (\$10)**

- 1:00 – 1:20 **USGS Update from the Illinois River Basin – Now that we have all of this data, what do we do with it?**  
Jim Duncker, USGS Central Midwest Water Science Center
- 1:20 – 1:40 **Kankakee Basin Regional Conservation Partnership Program**  
Jennifer Thum, Indiana State Department of Agriculture
- 1:40 – 2:00 **Water outlook for Southeast Central Indiana: Assessing future water demand and supply along the I-74 corridor**  
Sally Letsinger, Indiana University
- 2:00 – 2:20 **Break**
- 2:20 – 2:40 **Aquifer Testing and Analysis in Clinton and Tippecanoe Counties**  
Jack Wittman, INTERA
- 2:40 – 3:00 **Simulating Groundwater Flow Through Highly Heterogeneous Glacial Sediments in the Michigan-Indiana-Ohio (MichIndOh) Region Using MODFLOW6**  
Chanse Ford, USGS Upper Midwest Water Science Center
- 3:00 – 3:20 **Remapping a buried valley aquifer on the Little Miami River; using new methods to correct old interpretations**  
Mark Howell, Xenon Geosciences, Inc.
- 3:20 – 4:00 **Wrap up and Agency Updates – all are encouraged to speak**

Join us Nov 30<sup>th</sup> at:  
**MADE@Plainfield**  
1610 Reeves Road  
Plainfield, IN 46168

