

Speaker Biographies
WRAP Task Force Meeting
May 8, 2019



Walt Kelly

Groundwater Quality in McHenry County

Walt Kelly is a groundwater geochemist who has been at ISWS since 1992. He is also currently the head of the Groundwater Science Section. He is an adjunct professor in the Department of Geology and Geography at Illinois State University. He has a master of arts in geological sciences from Case Western Reserve University and a PhD in environmental sciences from the University of Virginia. His research interests are primarily related to groundwater quality, and he is an author on more than eighty reports and peer-reviewed papers.



Daniel Abrams

Groundwater Quantity in McHenry County

Daniel Abrams is a groundwater flow modeler at the Illinois State Water Survey, with an emphasis on regional water supply planning. His recent research includes evaluation of the at-risk deep sandstone water supply of northeastern Illinois, impacts of irrigation on shallow aquifers, and simulation of the migration of non-point source contaminants. Daniel has led many discussions with stakeholders regarding water supply issues in the state, and reflects stakeholder feedback into ISWS research. He has also been involved in development of a county-scale model of McHenry County and subset models of Marengo and Crystal Lake. Daniel graduated from Indiana University (Bloomington) in 2013 with a PhD in environmental science.

Wetlands Research, Inc.

Donald L. Hey, PhD

Wetlands to Reduce Effects of Sodium Chloride from Winter Road Maintenance

Dr. Hey is the Executive Director and co-founder of Wetland's Research Incorporated and The Wetlands Initiative. His research focuses on the restoration of river and wetland systems and the development of low-cost management programs for sustaining natural aquatic ecosystems. Dr. Hey has served on numerous committees and editorial boards, including the Integrated Nitrogen Committee of the Environmental Protection Agency Science Advisory Board; the National Oceanic and Atmospheric Administration, Committee on Environment and Natural Resources, Gulf of Mexico Hypoxia Assessment Plan; Technical Proposal Evaluation Committee, Everglades National Park, National Park Service; International Joint Commission, Levels Reference Study; National Research Council, Committee on Restoration of Aquatic Ecosystems; Illinois Department of Conservation, Wetland Advisory Council; Ecological Engineering and Restoration Ecology. He is co-author of *A Case for Wetland Restoration* (John Wiley & Sons, 1999.) Dr. Hey is a member of the American Geophysical Union, the American Society of Civil Engineers, the American Water Resources Association, the Society of Sigma Xi, Lambda Alpha International, and the Society of Wetland Scientists.

Wetlands to Reduce Effects of Sodium Chloride from Winter Road Maintenance

Kathleen Paap is the Senior Ecologist for Wetlands Research, Inc. Kathy earned her MS in the Ecology and Evolution department at the University of Illinois – Chicago. She has held many roles at Wetlands Research, Inc. over the past twenty-three years. Her main interest is to find applications that use native wetland landscapes to improve water quality in a more environmentally sensitive and sustainable way. Kathy is passionate about increasing habitats that promote pollinator success, restoring native landscapes in urbanized and otherwise disturbed areas, and managing these landscapes in sustainable ways with minimal chemical input. Kathy is active on the George Lake Rehabilitation District Board in Bristol Wisconsin and has held leadership roles in the Upper Des Plaines River Ecosystem Partnership and Racine-Kenosha Master Gardener Association. Kathy is a member of the Society of Wetland Scientists.