

Mohawk Watershed Symposium - 2023
17 March 2023, College Park Hall, Union College, Schenectady NY

Oral session (College Park) - Registration and badges required. No photography

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| 7:45 AM | 8:10 AM | <i>Registration, Coffee - College Park</i> |
| 8:10 AM | 8:15 AM | Introductory Remarks <i>Carolyn Rodak, MWS Co-chair, SUNY Polytechnic Institute, Utica, NY</i> |
| 8:15 AM | 8:30 AM | Pervious concrete offers a potential solution to contaminated runoff threatening surface water quality <i>Ashraf Ghaly, Engineering Department, Union College, Schenectady, NY</i> |
| 8:30 AM | 8:45 AM | Steele Creek Restoration and Flood Mitigation Project <i>Mark Carabetta, SLR Consulting, New Paltz, NY</i> |
| 8:45 AM | 9:00 AM | Incorporating ice jam flooding into regulatory Base Flood Elevations at the Historic Schenectady Stockade <i>James Woit, Streamworks PLLC, Scarborough, ME</i> |
| 9:00 AM | 9:15 AM | Using the Riparian Opportunities Assessment to identify riparian restoration or protection sites for flood mitigation <i>Kristen Hychka, NYS Water Resources Institute, Cornell University, Ithaca, NY</i> |
| 9:15 AM | 9:40 AM | Sauquoit Creek Channel & Floodplain Restoration Program: Community Resiliency to Flooding using Mitigation and Adaptation <i>Margaret Reilly, Sauquoit Creek Channel & Floodplain Restoration Program, Program Manager, Ramboll, Utica, NY</i> |
| 9:40 AM | 10:25 AM | COFFEE and POSTERS (see next page for listing) |
| 10:25 AM | 10:50 AM | Toward a more swimmable Mohawk: Trends in water quality based on an eight-year fecal indicator bacteria (FIB) monitoring partnership <i>Neil A. Law, SUNY Cobleskill, Cobleskill, NY</i> |
| 10:50 AM | 11:05 AM | Fecal indicator bacteria and microbial source tracking in the Mohawk River watershed: Observations from a case study in Utica and Rome, NY <i>Carolyn Rodak, MWS Co-chair, SUNY Polytechnic Institute</i> |
| 11:05 AM | 11:20 AM | Extreme precipitation and sewage overflows are driving an emerging health crisis: a case study from Schenectady, NY <i>John Garver, MWS Co-chair, Geosciences Department, Union College, Schenectady, NY</i> |
| 11:20 AM | 11:45 AM | Characterization of disinfection by-product formation potential in Mohawk River source waters to support TMDL implementation <i>Andrea Conine, Mohawk River Basin Program, Bureau of Water Resource Management, Division of Water, NYSDEC</i> |
| 11:45 AM | 1:10 PM | LUNCH and POSTERS - Lunch at College Park Hall |
| 1:10 PM | 1:35 PM | Mitigation approaches to water chestnut (<i>Trapa natans</i>) on the Mohawk River <i>Hannah Coppola, Aquatic Invasive Species Program Manager, Capital Region PRISM, Ballston Spa, NY</i> |
| 1:35 PM | 1:50 PM | Predicted effects of passage efficiency and additive mortality sources of blueback herring relative to use of novel habitat in the Mohawk River and Erie Canal <i>Dan Stich, State University of New York College at Oneonta, Oneonta, NY</i> |
| 1:50 PM | 2:15 PM | Invasive Round Goby in the Mohawk and Hudson Rivers: What's the Latest? <i>Scott George, USGS, New York Water Science Center, Troy, NY</i> |
| 2:15 PM | 2:40 PM | Coevolution between round gobies and VHSV in the St. Lawrence River signals added risk for the Mohawk River <i>Anna Haws, State University of New York College of Environmental Science and Forestry, Syracuse, NY</i> |
| 2:40 PM | 3:25 PM | COFFEE and POSTERS (see next page for listing) |
| 3:25 PM | 3:50 PM | Blocking invasive species in the New York State canal system: The barriers to barriers <i>Stuart F. Gruskin, Chief Conservation and External Affairs Officer, The Nature Conservancy New York, New York, NY</i> |
| 3:50 PM | 4:15 PM | Fish, Drink, Swim: The Mohawk in the 50th Year of the Clean Water Act <i>Tracy Brown and Dan Shapley, Riverkeeper, Ossining, NY</i> |
| 4:15 PM | 4:25 PM | Break and Introduction of Congressman Tonko |
| 4:25 PM | 4:55 PM | Congressman Paul Tonko, NY 20th District |
| 4:55 PM | 5:00 PM | Concluding Remarks <i>John Garver, MWS Co-chair, Geosciences Department, Union College, Schenectady, NY</i> |
| *The lead or presenting author(s) is(are) listed here; for complete author listings and affiliations please refer to the abstract. | | |
| 5:00 PM | 7:00 PM | Symposium Reception in College Park Hall Lobby, 5:00 - 7:00 PM |

Poster session (all day)

- P1 MyCoast NY: A Statewide Tool for Engaging Communities and Documenting Flood Events**
Kristen Hychka, NYS Water Resources Institute, Cornell University, Ithaca, NY
- P2 Recreational Boating in the Mohawk Watershed**
Daniel Miller, US Coast Guard Auxiliary, Sacandaga-Mohawk Flotilla, Glenville, NY
- P3 The swinging environmental pendulum: how policies and attitudes shift with changes in the US administration**
Ashraf Ghaly, Engineering Department, Union College, Schenectady, NY
- P4 Investigating the dynamics of organic matter in the Hudson River across spatial, temporal, and hydrologic regimes**
Alex Collins, Department of Earth and Environmental Science, Rensselaer Polytechnic Institute, Troy, NY
- P5 Characterization of Stream Turbidity in the Catskills, New York: Insights into Environmental Controls**
Christine Swanson, Environmental Science, Policy, and Engineering Program, Union College, Schenectady, NY
- P6 Microplastic analysis of high-flow and low-flow streams located in Rensselaer County**
Inara Ilse, Columbia High School, East Greenbush, NY
- P7 Troubled tributary: Continued water quality analysis using fecal indicator bacteria of the North Chuctanunda Creek in Amsterdam, NY**
David E. Barkevich, SUNY Cobleskill, Cobleskill, NY
- P8 iMapInvasives: the official invasive species database for New York State**
Mitchell O'Neill, New York Natural Heritage Program, Albany, NY
- P9 Comparing Fish Communities in Restored and Unrestored Streams**
Alexander Javitz, Department of Fisheries, Wildlife and Environmental Science, SUNY Cobleskill, Cobleskill, NY
- P10 Blueback Herring in the Hudson-Mohawk watershed: anadromy run amok?**
Karin Limburg, SUNY College of Environmental Science and Forestry, Syracuse, NY
- P11 Identifying nitrogen inputs to the Mohawk River and tributaries**
Brieann Lohmann, Department of Biology, Utica University, Utica, NY
- P12 The invisible biology of freshwater: Urban and rural land use is reflected in the microbial communities of the Mohawk River and nearby freshwater systems**
Julian Damashek, Department of Biology, Utica University, Utica, NY
- P13 Regional salinization in the lower Mohawk River: effects on urban streams, the Great Flats Aquifer, and raw water for municipal use**
John Garver, MWS Co-chair, Geosciences Department, Union College, Schenectady, NY
- P14 Changes in temperature and precipitation patterns in the Mohawk Watershed: implications for flooding, water quality, and ecosystem health**
Ian Plummer, Department of Atmospheric and Environmental Sciences, University at Albany, Albany NY

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