

**Mohawk Watershed Symposium - 2019**  
**22 March 2019, College Park, Union College, Schenectady NY**

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

7:55 AM	8:20 AM	<b>Registration, Coffee - College Park</b>
8:20 AM	8:25 AM	<b>Introductory Remarks</b> <i>Carolyn Rodak, MWS Co-chair, SUNY Polytechnic Institute</i>
8:25 AM	8:40 AM	<b>The 2019 mid-winter ice jam event on the lower Mohawk River, New York</b> <i>John Garver, MWS Co-chair, Geology Dept., Union College</i>
8:40 AM	9:05 AM	<b>Toward improved community resiliency: Developing and assessing ice jam and flood mitigation measures along the Mohawk River</b> <i>Mark Carabetta, Milone &amp; MacBroom, Inc., New Paltz, New York</i>
9:05 AM	9:30 AM	<b>Stockade Resilience: Feasibility analysis of flood mitigation alternatives and design of mitigation measures to protect Schenectady's Stockade Neighborhood</b> <i>Margaret Irwin, Project Manager, River Street Planning &amp; Development, Troy, NY</i>
9:30 AM	9:45 AM	<b>Identification of a point source for plastic pollution in upstate New York: a case study of Mayfield Lake</b> <i>Katherine Helmsley and Schoharie River Center Environmental Study Team, Amsterdam, NY</i>
9:45 AM	10:30 AM	<b>COFFEE and POSTERS (see next page for listing)</b>
10:30 AM	10:55 AM	<b>New York City water supply and infrastructure upgrades at Schoharie Reservoir</b> <i>Adam Bosch, Director of Public Affairs, New York City Department of Environmental Protection</i>
10:55 AM	11:10 AM	<b>Overview of the Schoharie Creek Watershed flood mitigation study</b> <i>Peter Nichols, Schoharie County Soil and Water Conservation District-Mohawk Watershed Coalition Chairman</i>
11:10 AM	11:35 AM	<b>The importance of the West Canada Creek and FERC re-licensing for the WCC hydroelectric projects</b> <i>Bob Nasdor, Northeast Stewardship and Legal Director, American Whitewater</i>
11:35 AM	12:00 PM	<b>Hogansburg Dam decommission and removal: Removal of first impassible barrier restores connection between St. Regis and St. Lawrence Watersheds</b> <i>Anthony David, Saint Regis Mohawk Tribe, Environment Division, Akwesasne, NY</i>
12:00 PM	1:20 PM	<b>LUNCH and POSTERS - Lunch at College Park</b>
1:20 PM	1:45 PM	<b>Aquatic invasive species in the Mohawk River Watershed: the devil is in the details</b> <i>Catherine McGlynn, NYSDEC, Bureau of Invasive Species and Ecosystem Health, Invasive Species Coordination Section</i>
1:45 PM	2:00 PM	<b>Expansion of Invasive Round Goby in the Mohawk River-Barge Canal System</b> <i>Scott George, Biologist, USGS, Troy, NY</i>
2:00 PM	2:25 PM	<b>Reconnecting waters for eels and river herring: towards resilience building approaches for dam removal action in the Hudson River watershed</b> <i>Kayla Smith and Andrea M. Feldpausch-Parker, Depts. of Environmental Science/Studies, SUNY College of Environmental Science and Forestry, Syracuse, NY</i>
2:25 PM	3:10 PM	<b>COFFEE and POSTERS (see next page for listing)</b>
3:10 PM	3:35 PM	<b>Innovative approach to deliver a \$300 million treatment plant upgrade for Oneida County, New York</b> <i>John Story, GHD, Cazenovia, NY</i>
3:35 PM	3:55 PM	<b>What's up with the Mohawk Delta? Insights from community water quality monitoring at the mouth of the river</b> <i>Dan Shapley, Water Quality Program, Riverkeeper, Ossining, NY</i>
3:55 PM	4:20 PM	<b>The Mohawk River Basin Action Agenda 2019-2023: A Five-Year Plan for a Swimmable, Fishable Mohawk</b> <i>Kathy Czajkowski, NYSDEC/Cornell Water Resources Institute, Mohawk River Basin Program</i>
4:20 PM	4:30 PM	<b>Break and Introduction of Keynote Speaker</b> <i>Peter Nichols, Schoharie County Soil and Water Conservation District-Mohawk Watershed Coalition Chairman</i>
4:30 PM	5:00 PM	<b>Keynote speaker: Congressman Antonio Delgado, NY 19th District</b>
5:00 PM	5:05 PM	<b>Concluding Remarks</b> <i>John Garver, MWS Co-chair, Geology Dept., Union College</i>
5:00 PM	7:00 PM	<b>Symposium Reception in College Park Hall Lobby, 5:00 - 7:00 PM</b>

\*The lead or presenting author(s) is(are) listed here; for complete author listings and affiliations please refer to the abstract.

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**Poster session (all day)**

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- P1**     **The New York State Mesonet: Providing real-time, high-quality environmental information across the Mohawk watershed**  
*Jerald Brotzge, New York State Mesonet, State University at Albany, Albany, NY*
- P2**     **United States Coast Guard Auxiliary: Recreational Boating Safety in the Mohawk Watershed**  
*Daniel Miller, US Coast Guard Auxiliary, Sacandaga-Mohawk Flotilla, Glenville, NY*
- P3**     **Oroville Dam's main and emergency spillways: two near-miss disasters**  
*Ashraf Ghaly, Dept. of Engineering, Union College*
- P4**     **Nature-induced and human-instigated water deprivation sparks conflict in the Middle East**  
*Ashraf Ghaly, Dept. of Engineering, Union College*
- P5**     **Fort Plain Waterways: Stories of then and now in an Erie Canal town**  
*Lance Elliott and Fort Plain High School Environmental Study Team, Fort Plain, NY*
- P6**     **Identification of a point source for plastic pollution in upstate New York: a case study of Mayfield Lake**  
*Katherine Helmsley and Schoharie River Center Environmental Study Team, Amsterdam, NY*
- P7**     **Confirming the presence of microplastics in Capital Region fish using a novel no-kill abdomen massage**  
*Ava Shimkus, Burnt Hills - Ballston Lake High School, Burnt Hills, NY*
- P8**     **Extreme rainfall, high water, and elevated microplastic concentration in the Hans Groot Kill: implications for the Mohawk River**  
*Jacqueline Smith, MWS Co-chair, Geology Dept., Union College*
- P9**     **Baseline monitoring of physical parameters and Enterococci levels in the Hans Groot Kill, Schenectady, NY**  
*Eva Willard-Bauer, Geology Dept., Union College*
- P10**    **Characterization of carbon export in upstate New York: initial geochemical characterization of six rivers**  
*Jack Wassik, Geology Dept., Union College*
- P11**    **The impact of alternative preservation methods and storage times on the  $\delta^{13}C$  of dissolved inorganic carbon in water**  
*Madelyn Miller, Geology Dept., Union College*
- P12**    **Characterization of disinfection by-product formation potential in Mohawk River source waters to support TMDL implementation**  
*Andrea Conine, Mohawk River Basin Program, Stream Monitoring and Assessment Section NYSDEC, Albany, NY*
- P13**    **A four-year series of snap-shots: Data and observations from a Mohawk River water quality project as it enters Year Five of a longitudinal study**  
*Neil Law, Department of Natural Sciences and Mathematics, SUNY Cobleskill, Cobleskill, NY*
- P14**    **Observations on dissolved and total metal concentrations in the Mohawk River in Utica and Rome, NY**  
*Carolyn Rodak, MWS Co-chair, Department of Engineering, SUNY Polytechnic Institute, Utica, NY*
- P15**    **Phosphorus monitoring prioritization in Mohawk River basin sub-watersheds using LENS**  
*Michaela Schmore, Mohawk River Basin Program, NYSDEC/SUNY Research Foundation for ESF, Albany, NY*
- P16**    **Municipal Wastewater in the Hudson River Watershed**  
*Dan Shapley, Water Quality Program, Riverkeeper, Ossining, NY*
- P17**    **Comparison of two commonly used fecal indicator bacteria in waterways of the Hudson River Watershed**  
*Jennifer Epstein, Water Quality Program, Riverkeeper, Ossining, NY*

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**5:00 PM    7:00 PM    Symposium Reception in College Park Hall Lobby, 5:00 - 7:00 PM**

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