

Mohawk Watershed Symposium - 2016
18 March 2016, College Park, Union College, Schenectady NY

Oral session (College Park) - Registration and Badges required

- 8:30 AM 8:55 AM** **Registration, Coffee, College Park**
- 8:55 AM 9:00 AM** **Introductory Remarks**
Jackie Cockburn, MWS Co-Chair, University of Guelph
- 9:00 AM 9:26 AM** **New York State Flood Risk Management Standard (invited)**
William Nechamen, NYS Department of Environmental Conservation, Albany NY
- 9:26 AM 9:41 AM** **Flood of January 19-20, 1996: 20 Years Later**
Britt E. Westergard, NOAA/National Weather Service Weather Forecast Office, Albany, NY
- 9:41 AM 9:56 AM** **Bald Eagles and the Mohawk: Video captures the Watershed**
Mike Lemery, Filmmaker, Schenectady, NY
- 9:56 AM 10:22 AM** **Quantifying Early Anthropocene Landscape Change and its Effects on Watershed Processes in southern New England (invited)**
William Ouimet, Geology, University of Connecticut, Storrs, CT
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- 10:22 AM 11:07 AM** **COFFEE and POSTERS (see below for listing)**
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- 11:07 AM 11:33 AM** **Microplastic Pollution in the Mohawk and Hudson Watersheds (invited)**
Jacqueline Smith, Geology, College of St Rose, Albany, NY
- 11:33 AM 11:48 AM** **The Mohawk River as a "Reference" River for Ecological and Contaminant Studies on the Hudson River: Density and Abundance of Mink**
Sean S. Madden, NYS Department of Environmental Conservation, Albany, NY
- 11:48 AM 12:03 PM** **Response of Fish Assemblages to Seasonal Drawdowns in Sections of the Mohawk River-Barge Canal System**
Scott George, U.S. Geological Survey, New York Water Science Center, Troy, NY
- 12:03 PM 12:29 PM** **The Future of the Mohawk River (invited)**
Robert H. Boyle, Founder of Riverkeeper and the Hudson River Fdn. for Science and Env. Research
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- 12:29 PM 1:59 PM** **- LUNCH and Poster Sessions - Lunch at College Park**
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- 1:59 PM 2:14 PM** **Water: A Commodity or a Human Right?**
Ashraf M. Ghaly, Department of Engineering, Union College, Schenectady, NY
- 2:14 PM 2:40 PM** **Retrospection and Anticipation: The Evolution of Citizen Action in the Schoharie/Mohawk Watershed (invited)**
Howard Bartholomew, President Dam Concerned Citizens
- 2:40 PM 3:06 PM** **The Barge Canal: Why Was It Built and What It Did (invited)**
Simon Litten, Environmental Consultant
- 3:06 PM 3:21 PM** **Mohawk River Watershed Management Plan Update (invited)**
Pete Nichols, Chairman, Mohawk River Watershed Coalition
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- 3:21 PM 4:06 PM** **COFFEE and POSTERS (see below for listing)**
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- 4:06 PM 4:32 PM** **Mohawk River Water Quality Snapshot: 121 Miles in 24 Hours (invited)**
Dan Shapley, Water Quality Program Manager, Hudson Riverkeeper
- 4:32 PM 4:52 PM** **What's 'Out of Sight' Cannot be 'Out of Mind' (Plenary Address)**
Congressman Paul Tonko, 20th District of New York
- 4:52 PM 5:12 PM** **Keynote Introduction and Address: The Mohawk River is important to the North Atlantic**
Keynote Speaker: Karin Limburg, Professor, SUNY College of Environmental Science & Forestry, Syracuse, NY
- 5:12 PM 5:17 PM** **Closing Remarks**
John Garver, MWS Co-Chair, Union College

Symposium Reception (Old Chapel) 5:30pm-6:30pm

Old Chapel is on the main part of the campus, limited parking near the building is available

Symposium Banquet (Old Chapel) 6:30pm - 8:30pm, registration and tickets required

From the Mountains to the Sea and Back Again: why the Mohawk River is important to the North Atlantic

Keynote Speaker: Karin Limburg, Professor, SUNY College of Environmental Science & Forestry, Syracuse, NY

Poster session (all day)

- P1** **Uranium in Shale of the Utica Shale and Schenectady Formation, Lower Mohawk Valley NY: implications for groundwater**
Matt Amatruda and John I. Garver, Geology Department, Union College Schenectady NY*
- P2** **Fort Plain Flood of June 28th 2013: Determining vulnerable sites to flood risk using LiDAR and GIS**
L.A. D'Orsa, J.M. Langella, J.P. Saket, and A.E. Marsellos, Department of Geology, Environment, and Sustainability, Hofstra University, Hempstead, NY*
- P3** **The Vischer Ferry Dam (Lock E7) Reservoir Induces Flooding in the Schenectady Area: Issue, analysis of conditions, and a solution**
James E. Duggan, Consultant (retired registered architect/urban planner)
- P4** **Understanding the Influence of Hurricane Irene on the Hydrodynamics and Sediment Transport in the Mohawk and Hudson Rivers, NY**
Christopher S. Fuller, James S. Bonner, M.S. Islam, and William Kirkey, Department of Civil and Environmental Engineering, Clarkson University, Potsdam, NY.*
- P5** **The Fall of Peak Oil and the Rise of Peak Water**
Ashraf M. Ghaly, Department of Engineering, Union College, Schenectady, NY
- P6** **Determining the Provenance and Life Histories of Blueback Herring in the Mohawk River**
Cara E. Hodkin and Karin Limburg, Department of Environmental and Forest Biology, SUNY College of Environmental Science & Forestry, Syracuse, NY*
- P7** **Monitoring the Hudson and Beyond with HRECOS: The Hudson River Environmental Conditions Observing System**
Gavin M. Lemley and Alexander J. Smith, NY State Dept. of Environmental Conservation, Hudson River Estuary Program/NEIWPCC, Albany, NY*
- P8** **Two Methods for Determining the Extent of Flooding During Hurricane Irene in Schenectady, NY**
A. Lewis, E. Weaver, E. Dorward, and A. Marsellos, Department of Geology, Environment, and Sustainability, Hofstra University, Hempstead, NY*
- P9** **Future of Water Quality Sampling along the Mohawk River: Blitz 2016**
John Lipscomb, Dan Shapley, Jen Epstein, Barbara Brabetz, Neil Law, and Jason Ratchford, Fisheries & Aquaculture, SUNY Cobleskill, Cobleskill, NY*
- P10** **Data Mining for Immediate Decision Making in Flood Hazard Events: An application at Mohawk Watershed in New York**
A.E. Marsellos, K.G. Tsakiri, and A. Kavalieros, Department of Geology, Environment, and Sustainability, Hofstra University, Hempstead, NY*
- P11** **Implementation of the Mohawk River Watershed Management Plan**
Win McIntyre, Katie Budreski, and Pete Nichols, Mohawk River Watershed Coalition*
- P12** **Environmental Study Teams: A Community Based Approach to Local Water Quality Monitoring and Youth Development Skills Training throughout the Mohawk River Basin.**
John McKeeby and Scott Hadam, Schoharie River Center, Burtonsville, NY*
- P13** **The Northeast Stream Quality Assessment**
Karen R. Murray, James Coles and Peter Van Metre, U.S. Geological Survey, New York Water Science Center, Troy, NY*
- P14** **Rapid Bioassessment of Cobleskill Creek Prior to Stream Restoration Efforts: Establishing a Reference Reach to Monitor the Recovery of Stream Biotic Integrity**
Giovanni Pambianchi, Robin LaRochelle and Carmen Greenwood, Department of Fisheries, Wildlife & Environmental Sciences, SUNY Cobleskill, Cobleskill, NY*
- P15** **Flooding of the Mohawk River at Lock 12 in Fort Hunter, NY, during Hurricane Irene (August 28-29th, 2011)**
A. Sisti, E. Combs, and A.E. Marsellos, Department of Geology, Environment, and Sustainability, Hofstra University, Hempstead, NY*
- P16** **Reconnecting Waters for Eels and River Herring: A mediated modeling approach to assess receptivity to dam removal in the Hudson-Mohawk Watershed**
Kayla M. Smith, Karin E. Limburg, Andrea M. Feldpausch-Parker, and Alexander J. Smith, Department of Environmental and Forest Biology, SUNY College of Environmental Science and Forestry, Syracuse, NY*
- P17** **Evaluation and Analysis of the Environmental Impact of the June 28, 2013 Flood in Herkimer, New York Using GIS and Other Reconstructive Data**
B. Swan, A.T. Yankopoulos, and A.E. Marsellos, Department of Geology, Environment, and Sustainability, Hofstra University, Hempstead, NY*
- P18** **Investigating Annual Sediment Loads in Schoharie Creek Following Tropical Storms Irene and Lee**
Jesse Van Patter and Jaclyn Cockburn, Department of Geography, University of Guelph, Guelph ON, Canada*
- P19** **Effects of Stream Restoration Activities on Turbidity Levels**
Christopher Wright and Andrew Gascho Landis, Department of Environment and Energy Technology, SUNY Cobleskill, Cobleskill, NY*

* Indicates the presenting author, which is listed in the schedule, for complete author affiliation please refer to the abstract.