

*Mohawk Watershed Symposium - 2010*  
*19 March 2010, Olin Center, Union College, Schenectady NY*

*- Final Program -*

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**Friday 19 March 2010**

**Oral session (Olin Auditorium) - Registration and Badges required**

- 8:30 8:50 Registration, Coffee. Olin Foyer**
- 8:50 9:00 Introductory remarks**  
*John I. Garver, Geology Department, Union College*
- 9:00 9:25 Mohawk River: Erie Canal; Its one in the same (Invited)**  
*Howard Goebel, Canal Hydrologist, New York State Canal Corporation*
- 9:25 9:42 EST: Linking watershed protection with youth development through community based volunteer stream monitoring programs in the Mohawk Watershed.**  
*John McKeeby, Executive Director, Schoharie River Center*
- 9:42 9:59 Comparative analysis of volunteer and professionally collected monitoring data**  
*Kelly Nolan, Director of Environmental Services, Watershed Assessment Associates*
- 9:59 10:16 Ice jam history, ice jam mitigation training and ice jam mitigation efforts in the Mohawk River Basin**  
*John Quinlan, Lead Forecaster, National Weather Service, Albany, NY*
- 10:16 10:33 Learning through experiments and measurements: the Mohawk Watershed as an outdoor classroom**  
*Jaclyn Cockburn, Geology Department, Union College*
- 10:33 11:03 COFFEE and POSTERS (see below for listing)**
- 11:03 11:28 A new look at the formation of Cohoes Falls (Invited)**  
*Gary Wall, Hydrologist, United States Geological Survey*
- 11:28 11:45 Weather and climate of the Mohawk River Watershed**  
*Steve DiRienzo, Senior Service Hydrologist, NOAA - National Weather Service*
- 11:45 12:02 Landslides in Schenectady County**  
*John Garver, Geology Department, Union College*
- 12:02 12:19 Use of high-resolution LiDAR images to identify slopes with questionable stability along the Mohawk River banks**  
*Ashraf Ghaly, Department of Engineering, Union College*
- 12:19 12:36 Historic flooding at selected USGS streamgages in the Mohawk River Basin.**  
*Thomas Suro, Hydrologist and Engineer, United States Geological Survey*
- 12:36 13:46 - LUNCH -**
- 13:46 14:11 FEMA flood maps, flood risk and public perception (Invited)**  
*William Nechamen, DEC NYS*
- 14:11 14:28 Peak shaving: An approach to mitigating flooding in the Schoharie and Mohawk Valleys**  
*Bob Price, Dam Concerned Citizens*
- 14:28 14:45 US Army Corps of Engineers approach to watershed planning**  
*Jason Shea, Civil Engineer/Watershed Planner, US Army Corps of Engineers*
- 14:45 15:02 The Hudson and the Mohawk: working together**  
*Frances Dunwell, Hudson River Estuary Coordinator, New York State Department of Environmental Conservation*
- 15:02 15:32 COFFEE and POSTERS (see below for listing)**

- 15:32 15:57 Mohawk River Watershed Coalition of Conservation Districts and its comprehensive Watershed Management Plan (Invited)**  
*Amanda Schaller, Resource Conservation Specialist, Montgomery County Soil & Water Conservation District*
- 15:57 16:14 The case for conservation releases from the Gilboa Dam: impact on riparian habitat and water availability on the Schoharie Creek**  
*Howard Bartholomew, Dam Concerned Citizens*
- 16:14 16:31 Protecting water quality through a watershed approach**  
*Kevin Millington, Coastal Resources Specialist, New York State Department of State*
- 16:31 16:48 An overview of water rights in New York State**  
*Frank Montecalvo, Consultant, West Canada River Keepers*
- 16:48 16:58 Discussion and Conclusions**  
*Jaclyn Cockburn, Geology Department, Union College*

***Symposium Reception (Old Chapel) 5:30 PM to 6:30 PM, Dinner and Keynote to follow***

***Poster session (all day)***

- F1 The Gilboa Dam and the role of Dam Concerned Citizens as a citizens' advocacy group**  
*Sherrie Bartholomew, Dam Concerned Citizens*
- F2 Methods and techniques of stabilization of soil slopes**  
*Ashraf Ghaly, Department of Engineering, Union College*
- F3 West Canada Creek Watershed Map**  
*Kathy Kellogg, West Canada Creek Riverkeepers*
- F4 Colloidal concentration estimation using ADCP echo intensity**  
*Bill Kirkey, Research Assistant, Clarkson University*
- F5 Thermal characteristics of Schohaire Creek and its consequences for Brown Trout (*Salmo trutta*)**  
*Ashley Kovack, Environmental Science Program, Union College*
- F6 A late Holocene record of Mohawk River flooding preserved in a sediment core from Collins Pond in Scotia,**  
*Mark Krisanda, Environmental Science Program, Union College*
- F7 Aqueous photolysis of organic ultraviolet filter chemicals**  
*Laura MacManus-Spencer, Chemistry Department, Union College*
- F8 Mapping and volumetric calculation of the January 2010 Ice Jam flood, lower Mohawk River, using LiDAR and GIS**  
*Antonios Marsellos, Research Associate, Geology Department, Union College*
- F9 Determination of historical channel changes and meander cut-off points using LiDAR and GIS in Schoharie Creek, NY**  
*Antonios Marsellos, Research Associate, Geology Department, Union College*
- F10 A tree-ring record of slope stability along Sandsea Kill, Schenectady County, NY**  
*Nicole Reeger, Environmental Science Program, Union College*
- F11 The effects of storm duration and intensity on the urban watershed**  
*William Schoendorf, Geology Department, Union College*
- F12 Schenectady County Environmental Advisory Council (SCEAC) and its activities related to water and climate**  
*Mary Werner, Chairperson, SCEAC*

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**Keynote Address:**

**Gail Shaffer - Watershed Wisdom: The Politics of Change**

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*Ms Shaffer will share her reflections on drawing upon her experience in the public policy arena and in the non-profit sphere, to identify strategies of value to citizens in effecting change in our challenging political climate*

*Gail Shaffer is a native of the northern Catskill Mountains, having grown up on a farm in Blenheim, in Schoharie County. Her public service career spanned two decades. She served twelve years as New York Secretary of State. Prior to that she served in the New York State Assembly, representing Schoharie County and parts of Albany, Schenectady, Montgomery and Delaware Counties. She began her public career as a town supervisor and county legislature. She graduated summa cum laude from Elmira College, majoring in political science. A member of Phi Beta Kappa and valedictorian of the class of 1970, she also studied political science at the University of Paris during her junior year. Locally, she attended a one-room schoolhouse in Blenheim and graduated from Gilboa Conesville Central School.*

*Currently a writer, Shaffer is among the founding board members of Dam Concerned Citizens, Inc., a not-for-profit watchdog organization that advocates for dam safety at Gilboa Dam (Schoharie Reservoir) as well as statewide, nationally and globally.*

*For details and further background material refer to the Shaffer and Currie abstract (p 61) Citizen Participation: Grassroots organizing to impact policy - Dam Concerned Citizens as a case study*