Mohawk Watershed Symposium - 2013

22 March 2013, College Park, Union College, Schenectady NY

Friday 22 March 2013

Oral session (College Park) - Registration and Badges required

8:00	*8:25*	***Registration, Coffee. College Park***
8:25	*8:30*	**Introductory remarks** *J. Cockburn, Geography Department, University of Guelph*
8:30	*8:56*	**The long-story: Reconstructing flood frequency along the Mohawk through the last 1000 years (invited)** *D.T. Rodbell, Geology Department, Union College*
8:56	*9:11*	**Mitigation of Natural Dam Hazards: a Study of the Mill Valley Beaver Dam Failure** *H. R. Bartholomew and M. Quinn, Dam Concerned Citizens Inc.*
9:11	*9:26*	**A LIDAR Analysis of Bed and Bank Patterns at Curved Segments Along the Mohawk River** *A.M. Ghaly, Department of Engineering, Union College*
9:26	*9:41*	**An Open Standards Framework for Synoptic Evaluations of the Mohawk Watershed: With examples in the Upper Schoharie Watershed** *R. Lopez-Torrijos and T. Bondelid*
9:41	*10:07*	**Natural Channel Restoration after Irene and Lee - a Schoharie County Opportunity (invited)** *W.A. VanDeValk, NRCS Area Engineer - Schoharie, NY*
10:07	*10:47*	***COFFEE and POSTERS (see below for listing)***
10:47	*11:13*	**ClimAID: How climate science helps us understand and prepare for climate change in New York State (invited)** *A. Stevens, Environmental Research, NYSERDA*
11:13	*11:28*	**The Tropical Storm Irene "Mega Flood" in The Catskills: Why it Was Not an Unprecedented Event and Why Cataloging Past Events Will Help us Attain a Weather Ready Nation** *S.N. DiRienzo, NOAA/NWS Weather Forecast Office*
11:28	*11:43*	**USGS Ice Jam and Flood Monitoring: Mohawk River, Schenectady, NY** *G. Wall, C. Gazoorian, and J.I. Garver*
11:43	*12:09*	**NYCDEP Dam Safety and the Reconstruction of Gilboa Dam (invited)** *J.H. Vickers, Chief Western Operations Division, Bureau of Water Supply, NYC DEP*
12:09	*13:39*	**- LUNCH and Poster Sessions - Lunch at College Park**
13:39	*14:05*	**River Herring: Past, Present, Future? (invited)** *K.E. Limburg, State University of New York, College of Environmental Science and Forestry in Syracuse, NY*
14:05	*14:31*	**An Introduction to Water Quality Issues in the Upper Mohawk (invited)** *S. Botsford, NYS-DEC Region 6 Water Engineer*
14:31	*14:46*	**Microbial water quality monitoring of the Hudson River: influence of the Mohawk and emerging policy challenges in New York State** *G. O'Mullan, A. Juhl, T. Brown, and J. Lipscomb*
14:46	*15:01*	**Targeting Conservation Practices To Critical Areas** *J. Moore, Stone Environmental Inc.*
15:01	*15:27*	**Stream ecosystem changes in Schoharie Creek tributaries following Hurricane Irene and Tropical Storm Lee (invited)** *M. Cornwell, P. Nichols, B. Brabetz, M. Meritet, I. Bach and B. German*
15:27	*16:07*	***COFFEE and POSTERS (see below for listing)***
16:07	*16:33*	**The Competing Interests in the Waters of the West Canada Creek (invited)** *F. Montecalvo, West Canada Watershed Alliance Inc.*
16:33	*16:48*	**Partnering with Boaters to Create a Cleaner Mohawk Watershed** *W. Estes and H. Goebel, New York State Canal Corporation and Thruway Authority*
16:33	*16:48*	**The Biggert - Waters Flood Insurance Reform Act of 2012: How Flood Insurance Program Changes will Change Your Community.** *W. Nechamen, Floodplain Management, NYSDEC*
16:48	*17:09*	**Symposium Highlight Address: Climate Change and the Mohawk: Challenges and Opportunities for Citizens and Stakeholders** *Congressman P.D. Tonko, 20th District of New York*
17:09	*17:19*	**Banquet Keynote Introduction and Remarks** *R.R. Wodder, Senior Advisor to the Secretary of the Interior*
17:19	*17:24*	**Closing Remarks** *J.I. Garver, Geology Department, Union College*

NB: Complete affiliations are listed in the abstract

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

Keynote Address - The National Blueways System - Stakeholder-led River Conservation on a Watershed Scale

R.R. Wodder, Senior Advisor to the Secretary of the Interior

Poster session (all day)

P1 **The Need For An Operational Protocol For The Release Works At The Gilboa Dam**
H.R. Bartholomew and R. Price, Dam Concerned Citizens Inc.

P2 **The Need For Conservation Releases From The Schoharie Reservoir?**
H.R. Bartholomew and R. Price, Dam Concerned Citizens Inc.

P3 **Mohawk River Watershed Management Plan: Watershed Assessment**
D.A. Mosher and W. McIntyre, Mohawk River Watershed Coalition of Conservation Districts

P4 **The Use of GIS Data and Analysis in the Development of the Mohawk River Watershed Management Plan**
K. Budreski, Stone Environmental, Inc., Montpelier, VT

P5 **United States Geological Survey - Water Survey, Troy, NY**
W. Freeman and M.P. deVries, USGS New York Water Science Center

P6 **A GIS Study of Environment-impacting Activities at the Confluence of the Mohawk and Hudson Rivers**
A.M. Ghaly, Department of Engineering, Union College

P7 **Synoptic Evaluation: Scouring of the Mohawk River and Mitigation Responses**
D.N. Dremluk and A.M. Ghaly

P8 **The Hudson River Environmental Conditions Observing System**
A.M. Onion, S.H. Fernald, G.R. Wall

P9 **Lock 7 (Vischer Ferry) Dam: A Century of Concern, Now Time to Modernize**
J. Duggan, Consultant

P10 **Protection of a Municipal Well Field on the Floodplain to the Mohawk River: A Case Study of the Town of Glenville's Wellfield Protection Committee**
S.Hammond, C. George, P. Adams, J.I. Garver, J. Pelton, J.A. Smith, C. Welch

P11 **Post-Irene Suspended Sediment, Alkalinity and Metal Dynamics in the Schoharie and Mohawk Rivers**
P.R. Manning, D.P. Gillikin, J.I. Garver, J. McKeeby

P12 **Fish Community Changes in Schoharie Creek Tributaries Following Hurricane Irene and Tropical Storm Lee**
M. Meritet, I. Bach, M. Cornwell, P. Nichols, B. Brabetz, B. German

P13 **Classifying Hydroclimatological Causes of Annual Maximum Discharges on Portions of the Mohawk River and its Tributaries**
S.B. Shaw and A.M. Ryan, Dept. of Environmental Resources Engr., SUNY-ESF

P14 **Trend Analysis for Monthly and Extreme Rainfall Events in Albany, NY: 1826-2012**
M. Vetta, Geography Department, University of Guelph

P15 **Geography Field Research in Schoharie Valley: University of Guelph Student Experiences August 2012**
J. Cockburn and A. Hovorka, Geography Department, University of Guelph

P16 **Over the hill: flow variability across Catskill catchments**
J. Cockburn and J.I. Garver

P17 **A changing flight Schedule for Ducks and Geese in the Mohawk Watershed**
J.I. Garver, Geology Department, Union College

P18 **The Sedimentary Record of Flooding Along the Schoharie River Preserved in Sediment Cores from Young's Lake**
M. Sachs and D.T. Rodbell, Geology Department, Union College

P19 **Explanation of the water monitoring time series data in Schoharie Creek, NY**
K.G. Tsakiri, A.E. Marsellos, and I.G. Zurbenko

P20 **A LiDAR application for TIN construction and accurate longitudinal profile of the Mohawk river, New York, USA**
A.E. Marsellos, Dept. of Geological Sciences, University of Florida, Gainesville, FL

P21 **The Eyes of the Storm: Hurricane Irene in images and words**
Gilboa-Conesville Central School Students and S. Kliza, Gilboa, NY

P22 **A Biological assessment of water quality of the Schoharie Creek from Blenheim to Burtonsville N.Y., summer 2012**
M. McKeeby, N. Loukides, X. McKinley, E. Remling, J. McKeeby

P23 **How is the Water? Measuring sewage contamination in the Hudson River Estuary, 2006-2011**
G. O'Mullan, A. Juhl, T. Brown, J. Lipscomb

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