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2013

8th Susquehanna River Symposium Program

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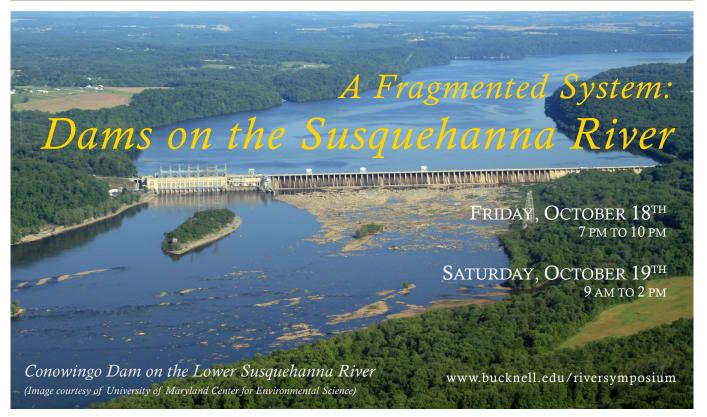
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The Bucknell University Environmental Center and the Susquehanna River Heartland Coalition for Environmental Science welcomes you to the 8th Annual Susquehanna River Symposium, held on October 18-19 in the Elaine Langone Center on the campus of Bucknell Univesity. All events are free and open to the public. Parking is available nearby on Moore Avenue and 7th Street. Maps and

www.bucknell.edu/riversymposium

lodging information are available at:

The symposium focuses on the impact of dams on the Susquehanna River, ranging from pre-historic glacial ice dams, to historic mill, canal, and logging dams, to the modern hydroelectric, flood control, and recreational dams. Many communities, railroads, and industrial plants rely upon electricity generated from four major hydropower facilities built on the lower Susquehanna - Conowingo, Holtwood, Safe Harbor, and York Haven dams.

Dams can provide a source of renewable energy, flood control, and recreational boating to millions of citizens in the Susquehanna watershed, but they can also impact the fisheries, water quality, and aquatic life in river and the Chesapeake Bay. Learn how environmental consultants and the hydropower facility owners are assessing

the environmental impacts and evaluating various management alternatives as part of the federal energy relicensing process. The solutions are complex, difficult, and require trade-offs.

DAMS AND THEIR IMPACTS

This symposium brings the public together with scientists, engineers, dam owners and operators, and community leaders to explore the legacy of dams in the Susquehanna watershed and their impacts on human and aquatic life in the river and Chesapeake Bay.

PRESENTATIONS, STUDENT RESEARCH POSTERS AND AGENCY EXHIBITS

Also featured will be research posters by over 100 students and faculty studying the many streams, rivers, lakes, and wetlands throughout the Susquehanna watershed.

Exhibits and representatives from many organizations will also be present, including the Chesapeake Bay Foundation, American Rivers, Pennsylvania Fish and Boat Commission, Trout Unlimited, PA Department of Environmental Protection, PA Department of Conservation and Natural Resources, Buffalo Creek Watershed Association, and the Merrill Linn Conservancy for Land and Waterways.

Friday's Schedule

Terrace Room, Elaine Langone Center Bucknell University

7:00 pm Welcome

Dr. Peter Wilshusen, Executive Director Bucknell University Environmental Center

7:15 pm

"Exploring the watershed through university research and collaborative partnerships"

H.W."Skip" Wieder, Director Susquehanna River Heartland Coalition for Environmental Studies

7:30 pm (Keynote Address)
"The legacy of dams on the
Susquehanna - a view upstream
from the Chesapeake Bay"
Ann Swanson, Executive Director
Chesapeake Bay Commission

8:00 - 10:00 pmStudent research posters, agency exhibits, and evening social

October 18-19, 2013

BUCKNELL UNIVERSITY



SATURDAY, OCTOBER 18TH

DAMS ON THE SUSQUEHANNA RIVER

Morning events held in the Terrace Room Elaine Langone Center

8:00-9:00 am

Coffee & refreshments Student research posters

9:00 am

Opening comments

Brian Mangan

Professor and Director of the Susquehanna River Institute Kings College

9:15 am

Pre-historic ice dams and catastrophic paleofloods on the Susquehanna: their fingerprint on the river

Jessica T. Newlin

Department of Civil and Environmental Engineering Bucknell University

9:45 am

Centuries of mill dams in the watershed: implications for stream restoration and reducing sediment delivery to the Chesapeake Bay

Robert Walters

Dorothy Merritts

Department of Earth and Environmental Sciences Franklin and Marshall College

10:15 am

Logging splash dams and timbering in the Susquehanna watershed: its legacy and importance

Benjamin R. Hayes R. Craig Kochel

Susquehanna River Initiative, Environmental Center Bucknell University

10:45 am

The Conowingo hydropower facility on the Susquehanna: its importance, the FERC relicensing process, and sustainable management alternatives

Kimberly Long

Senior Program Manager - Hydropower Relicensing Exelon Corporation

11:15 am

Break

11:30 am

Lower Susquehanna hydroelectric dams: overview of sediment transport and deposition

Marjorie Zeff, Ph.D., P.G.

Pennsylvania Professional Geologist Principal Environmental Scientist URS Corporation

12:00 pm

Impact of large dams on fish, mussels, and other aquatic communities in the Susquehanna River

Rick Spear

Senior Aquatic Biologist

PA Department of Environmental Protection

12:30 pm

Removing low-head dams across the Susquehanna watershed: approaches that improve public safety, aquatic habitat, and river aesthetics

Laura Craig

Associate Director, River Restoration Program American Rivers

Lunch and open discussion held in Walls Lounge Elaine Langone Center

1:00 pm

Lunch in Walls Lounge, Elaine Langone Center

1:30 pm

Open Discussion

Moderated by Mark Lawrence

Anchor/Program Director Newsradio WKOK 1070

2:00 pm

Closing Comments

H.W. "Skip" Wieder

Executive Director
Susquehanna Heartland Coalition for Environmental Studies