

# Sixth Annual Lamprey River Symposium

Friday, January 11, 2013

Memorial Union Building - University of New Hampshire  
Presentations - Theater II (3<sup>rd</sup> Floor); Posters - Room 330/332

## Presentations:

8:00 – Registration and light refreshments – Please sign in at MUB Theater II (3<sup>rd</sup> Floor near ticket office)

**8:30 – Welcome and opening remarks** - Bill McDowell, Professor of Environmental Science, UNH Dept. Natural Resources & the Environment

### **8:45 – 10:05 Session I – Collecting water quality data with in situ sensors**

8:45 – Overview of the EPSCoR aquatic sensor network - Bill McDowell, UNH Dept. Natural Resources & the Environment

9:05 – Installation of sensors for year-round 'real-time' water-quality data collection at Wiswall Dam – Thor Smith, U.S. Geological Survey

9:20 – From the Lamprey River to the Great Bay Estuary: Examining the dynamics of nitrate and dissolved organic matter transport using in situ sensors – Gopal Mulukutla, Research Scientist, UNH Complex Systems Research Center

9:50 – Headwater stream nutrient diurnal flux and storm response in the Lamprey River watershed – Allison Price, Graduate Student, UNH Dept. Natural Resources & the Environment

### **10:05 – 10:25 Break**

### **10:25 – 12:10 Session II – Lamprey River runoff, flood risk and fish communities**

10:25 – Comparison of runoff characteristics from Lamprey watershed and Plumer Wetland –Emily Schmalzer, student and member of the Lamprey Rivers Advisory Committee

10:40 – The Good, the Bad, and Ugly: Lessons Learned from Engaging Stakeholders in an Assessment of Flood Risks in the Lamprey River Watershed – Cameron Wake, Research Associate Professor, UNH Institute for the Study of Earth, Oceans, and Space and Julia Peterson, NH Sea Grant and UNH Cooperative Extension

11:10 – Fish Communities of the Lamprey River Watershed – Matt Carpenter, NH Fish and Game

11:40 – Significance of Lamprey River research findings – Discussion moderated by Steve Miller, Great Bay NERR and Chris Keeley, NH Sea Grant

### **12:10 – 1:30 Lunch and Breakout Groups \*Bring your own lunch or purchase at Food Court\***

### **1:40 – 3:25 Session III - Regional planning, flood mapping, illicit discharges and stormwater**

1:40 – Update on NH drought management plan – Matt Davis, Associate Professor of Hydrogeology, UNH Department of Earth Sciences

2:10 – Interactive flood-inundation mapping application - An example from the Suncook River – Robert Flynn, U.S. Geological Survey

2:25 – Tracking illicit discharges in a watershed - dogs, sampling, and other tools – Emily DiFranco, FB Environmental Associates

2:40 – Overview of bioretention system performance criteria and a bioretention-gravel wetland hybrid to optimize nutrient removal, Robert Roseen, Geosyntec Consultants and Robin Stone, Graduate Research Assistant, UNH Stormwater Center

3:10 – Lamprey Rivers Advisory Committee (LRAC) Update – Sharon Meeker, LRAC

3:25 – Short Break

**3:30 – 4:00 Research Priorities Discussion moderated by Steve Miller, Great Bay NERR and Chris Keeley, NH Sea Grant**

## Posters and Displays

Lamprey Rivers Advisory Committee Display – Sharon Meeker, LRAC

Lamprey River Watershed Association Display – Dawn Genes, LRWA

NH Association of Natural Resource Scientists (NHANRS) Display – Chris Albert, President of NHANRS and a certified wetland scientist (CWS)

Oyster River Watershed Management Plan – Bill Arcieri, VHB

PREP 2013 State of Our Estuaries report – Derek Sowers, PREP

## Parking for the Symposium

Parking is available in C lot at \$8 for the whole day on a first come, first serve basis.

If C lot is full, you may park at the Main Street Visitor's Lot at \$8 for the whole day.

(<http://www.unh.edu/transportation/visitor/visitorparking.htm>)

