

## 2015 St. Croix River Research Rendezvous Tentative Program Schedule

- 8:15 – 9:00 **Registration/Continental Breakfast**
- 9:00 **INTRODUCTION AND ANNOUNCEMENTS** – Dan Engstrom, St. Croix Watershed Research Station; Ron Lawrenz, Lee & Rose Warner Nature Center
- Session 1 Lake St. Croix and the St. Croix River** Moderator: Dan Engstrom
- 9:10 **Evaluation of nutrient loading from three major Wisconsin tributaries to Lake Saint Croix** – Benjamin C. Torrison and Paul F. Juckem, U.S. Geological Survey, Wisconsin Water Science Center
- 9:30 **A State of the Lake report for Lake St. Croix--Closing in on a TMDL reduction goal progress report**– Suzanne Magdalene, St. Croix Watershed Research Station
- 9:50 **Intensive watershed monitoring on the Kettle and Upper St. Croix watersheds** – April Lueck, MN Pollution Control Agency
- 10:10 **Water quality predicted using water color** – Jerry Spetzman, Water Resource Dept, Chisago County MN and Chair, St. Croix Basin Water Resources Planning Team
- 10:30 – 10:45 Break
- Session 2 Organismal Biology** Moderator: Mark Edlund
- 10:45 **Movement of Muskellunge in the St. Croix River system** – Joel Stiras, MN Dept. of Natural Resources
- 11:05 **Patterns and trends in lead concentrations in bald eagle nestlings and fish in the Western Great Lakes region** – W.T. Route<sup>1</sup>, J.E. Bruggeman<sup>2</sup>, M.S. Sandheinrich<sup>3</sup>, P.T. Redig<sup>4</sup> and R.L. Key<sup>1</sup>. <sup>1</sup>U.S. National Park Service, Great Lakes Inventory and Monitoring Network. <sup>2</sup>University of Minnesota, Dept. of Fisheries, Wildlife and Conservation Biology. <sup>3</sup>University of Wisconsin-La Crosse, Dept. of Biology. <sup>4</sup>The Raptor Center, University of Minnesota.
- 11:25 **Species richness, diversity, and impact of life history strategies on distribution of freshwater mussels in the Snake River** – Maya Agata, Clara Friedman, Daniel Hornbach, Mark Hove, and Kelly MacGregor, Departments of Biology and Geology, Macalester College
- 11:45 **Exploring the habitat preferences, geographic distribution and colonization history of the Spatterdock darnar dragonfly (*Rhionaeschna mutata*) in Minnesota** – Elise Linna<sup>1</sup>, Jubilee Prosser<sup>1</sup>, Emily Schilling<sup>1</sup> and Ron Lawrenz<sup>2</sup>. <sup>1</sup>Augsburg College, Dept. of Biology and Environmental Studies. <sup>2</sup>Lee & Rose Warner Nature Center.
- 12:10 –12:45 **POSTER SESSION**
- 12:45 - 1:30 **LUNCH**

**Session 3 Climate and Ecosystems** Moderator: Jim Almendinger

- 1:35 **A long term biological monitoring network for understanding variability of aquatic communities in Minnesota's rivers and streams** – John Genet, MN Pollution Control Agency
- 1:55 **Links between climate, land use, and ecological processes across the landscape matrix of the Upper Mississippi River Basin** – Walt Sadinski<sup>1</sup>, Mark Roth<sup>1</sup>, Perry Jones<sup>2</sup>, and Alisa Gallant<sup>3</sup>. <sup>1</sup>U.S. Geological Survey, Upper Midwest Environmental Sciences Center. <sup>2</sup>U.S. Geological Survey, Minnesota Water Science Center. <sup>3</sup>U.S. Geological Survey, Earth Resources Observation and Science Center.
- 2:15 **Vegetation change and stability during climate change: The interaction of vegetation and firebreaks** – Randy Calcote<sup>1</sup>, Sara Hotchkiss<sup>2</sup>, Beth Lynch<sup>3</sup> and Chris Nevala-Plagemen<sup>3</sup>. <sup>1</sup>University of Minnesota, Limnological Research Center. <sup>2</sup>University of Wisconsin, Dept. of Botany. <sup>3</sup>Luther College.
- 2:35 – 2:50 Break

**Session 4 Lakes and Water Quality in the Watershed** Moderator: Adam Heathcote

- 2:50 **Beguiled by Big Lake and Bone Lakes** – Jeremy Williamson<sup>1</sup>, Mark Edlund<sup>2</sup>, David Burge<sup>2</sup> and Joy Ramstack Hobbs<sup>2</sup>. <sup>1</sup>Polk County Land & Water Resources Dept., Balsam Lake WI. <sup>2</sup>St. Croix Watershed Research Station
- 3:10 **Terrapin Lake and Minnesota's 2012 National Lakes Assessment** – Steve Heiskary, MN Pollution Control Agency
- 3:30 **Crex Meadows Wildlife Area water quality assessment** – Craig Roesler, WI Dept. of Natural Resources
- 4:00 **CLOSING REMARKS / FROLIC/SOCIAL HOUR**

**Poster Presentations (Poster Session 12:10 - 12:45)**

**Using nutrient diffusing substrates to observe the impact of the Clam River on the nutrient limitation status of the St. Croix River** – Angie de Vries and Fred Richards, advised by Ariel Shogren and Mekel Wiederholt Meier, Edgewood High School, Madison WI

**Investigating potential trout refugia in the Kinnickinnic River Watershed: An initial survey of water quality in Kelly Creek** – Shane Farnell<sup>1</sup>, Jill K. Coleman Wasik<sup>1</sup>, and D. Kent Johnson<sup>2</sup>. <sup>1</sup> Dept. of Plant and Earth Sciences, University of Wisconsin River Falls; <sup>2</sup>Kiap-TU-Wish Chapter, Trout Unlimited, Hudson-River Falls WI.

**Engaged citizens ready for action: Exploring public opinion of watershed values, threats, and future management actions within the Kinnickinnic Watershed** – Ashley-Beth Rosana<sup>1</sup>, Joseph Brellenthin<sup>1</sup>, Jarod J. Blades<sup>2</sup> and David Trechter<sup>3</sup>. <sup>1</sup>University of Wisconsin-River Falls, Dept. of Psychology. <sup>2</sup>University of Wisconsin-River Falls, Dept of Plant and Earth Science. <sup>3</sup>University of Wisconsin-River Falls, Dept. of Agricultural Economics.

**Spatial distribution and spread potential of buckthorn and garlic mustard populations along the Kinnickinnic River Corridor** – Owen Haugen and Jarod J. Blades, University of Wisconsin-River Falls, Dept. of Plant and Earth Science

**Bed sediment composition and mussel population dynamics on the Snake River** – Molly Guiney, Brooke Hunter, Kelly MacGregor, Daniel Hornbach and Mark Hove, Macalester College

**Design a trout, with additional comment on trout thermal habitat in the Upper Namekagon** – Frank Pratt, Wisconsin Dept. of Natural Resources (retired)/Aquatic Educator (current)

**Lower Saint Croix River terminal stream assessments: Ten-year status and future strategies** – Byron N. Karns<sup>1</sup>, Natalie A. Bourman-Karns<sup>2</sup> and Jim Shaver<sup>3</sup>. <sup>1</sup>National Park Service, St. Croix National Scenic Riverway <sup>2</sup>Lehigh University, Bethlehem PA. <sup>3</sup>Carnelian-Marine-St.Croix Watershed District, Scandia MN