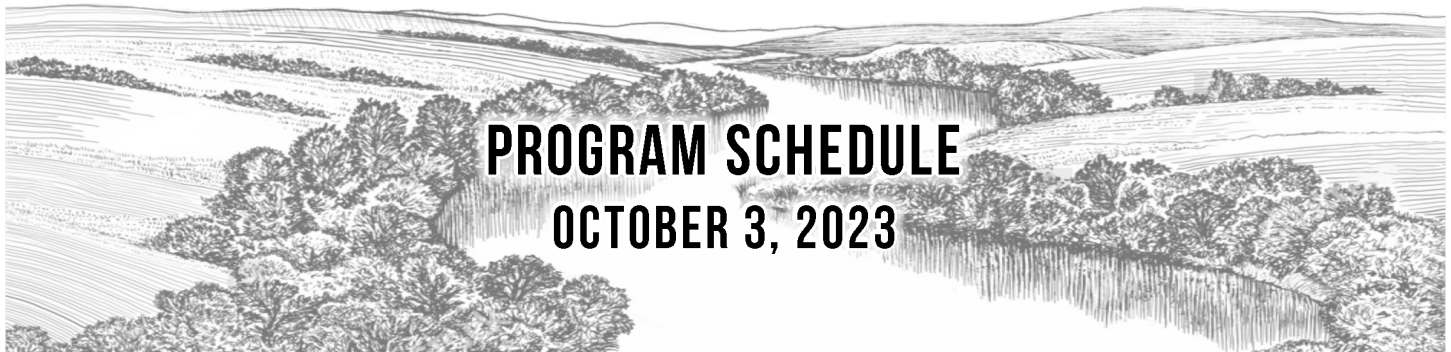


ST. CROIX RIVER RESEARCH RENDEZVOUS

Science Museum of Minnesota | St. Croix Watershed Research Station



8:30 – 9:00 **Registration & Continental Breakfast**

9:00 **INTRODUCTION AND ANNOUNCEMENTS:** Dr. Adam Heathcote, Director,
Department of Water and Climate Change

SESSION 1: ORGANISMAL BIOLOGY IN THE ST. CROIX WATERSHED (moderator Dr. Mark Edlund)

9:10 **An Overview of the Saint Croix National Scenic Riverway's Acoustic Bat Monitoring Program** – Michael Rhoades, Jay Johnson: National Park Service-St. Croix National Scenic Riverway

9:30 **Investigating Bumble Bee (*Bombus*) Nesting in Three Habitats in the Upper Midwest** – Chan Dolan, Zachary Portman, Daniel Cariveau: University of Minnesota Twin Cities Entomology Department

9:50 **Once a Prawn a Time ...: a St. Croix Shrimp Story** – Holly Howard¹, Elizabeth Nelson², Mark Hove¹, Matt Berg³, Allison Holdhusen⁴, Troy Howard¹, Tyler Howard¹, Jenny Kruckenberg¹, Caitlin Nagorka⁴, Konrad Schmidt¹, Greg Seitz⁵, Marian Shaffer⁴, and Bob Whaley¹: ¹Volunteer, ²Minnesota Department of Natural Resources, ³Grantsburg High School/Endangered Resource Services, LLC, ⁴National Park Service, ⁵StCroix360.com

10:10 **Lower St. Croix River Lake Sturgeon Population Demographics and Population Connectivity** – Kasey Yallaly: Wisconsin Department of Natural Resources

10:30 – 10:45 **BREAK**

SESSION 2: RESEARCH HAPPENING IN THE ST. CROIX WATERSHED (moderator Dr. Lienne Sethna)

10:45 **Yellow Iris: Yet Another Invasive Flower** – Connor Bacon¹, Mike Rhoads², Luke Lindsay¹, Chris Struckhoff¹, Logan Planer³, Hannah Fennern³, Jay Johnson¹: ¹Seasonal Staff, National Park Services, ²Full-time Staff, National Park Service, ³Intern, National Park Services

11:05 **Archaeology at the Pine Needles Natural History Preserve** – Edward Fleming: Department of Anthropology, Science Museum of Minnesota

11:25 **Late Pre-contact Plant Use at the Sheffield Site** – Jasmine Konkur: Department of Anthropology, Science Museum of Minnesota

11:45 – 12:15 **POSTER SESSION**

12:15 – 1:15 **LUNCH**

SESSION 3: ST. CROIX RIVER MUSSEL RESEARCH

(moderator Kelsey Boeff, MS)

- 1:15 **Brief Overview of SACN's Zebra Mussel Monitoring Throughout the St. Croix Watershed** – Chris Struckhoff: National Park Service-St. Croix National Scenic Riverway
- 1:35 **Can High Freshwater Mussel Density and Large Mussel Size Restrict Juvenile Recruitment?** – Daniel J. Hornbach¹, Bernard Sietman², Jillian Fedarick³ : ¹Department of Environmental Studies, Macalester College, ²Minnesota Department of Natural Resources, Center for Aquatic Mollusks Programs, ³Department of Wildlife, Fisheries, and Conservation Biology, University of Maine
- 1:55 **Characterization of Spectaclecase Host Fish, *Hioddon spp.*, Movement Patterns in the St. Croix National Scenic Riverway** – Matthew Meulemans¹, Michelle Bartsch¹, Diane Waller¹, Bernard Sietman², Zeb Secrist², Joel Strias³, & Marian Shaffer⁴ : ¹U.S. Geological Survey, Upper Midwest Environmental Sciences Center, ²Minnesota Department of Natural Resources, Center for Aquatic Mollusk Programs, ³Minnesota Department of Natural Resources, ⁴National Park Service, St. Croix National Scenic Riverway
- 2:15 **Partner-Based Winged Mapleleaf (*Quadrula fragosa*) Propagation Efforts** – Michelle Bartsch¹, Diane Waller¹, Steve Houdek¹, Theresa Schreier¹, Gage Valeri¹, Doug Aloisi², Megan Bradley², Elizabeth Glidewell², Mike Davis³, Bernard Sietman³, Madeline Pletta³, Lindsay Ohlman³, Zeb Secrist³, Dan Hornbach⁴, Mark Hove⁵, Dan Kelner⁶, Tamara Smith⁷, Lisie Kitchel⁸, Jesse Weinzinger⁸, Nathan Eckert⁹, Katie Sickmann¹⁰, Lauren Brochtrup¹⁰, & Marian Shaffer¹¹ : ¹U.S. Geological Survey, Upper Midwest Environmental Sciences Center; ²U.S. Fish and Wildlife Service, Genoa National Fish Hatchery, ³Minnesota Department of Natural Resources, Center for Aquatic Mollusk Programs; ⁴Macalester College, Department of Environmental Studies, ⁵University of Minnesota Department of Fisheries, Wildlife and Conservation Biology, ⁶U.S. Army Corps of Engineers, ⁷USFWS, Minnesota-Wisconsin Ecological Services Field Office, ⁸Wisconsin Department of Natural Resources, ⁹USFWS, Neosho National Fish Hatchery, ¹⁰Wild Rivers Conservancy, ¹¹St. Croix National Scenic Riverway, National Park Service
- 2:35 – 2:50 **BREAK**

SESSION 4: MANAGING OUR ST. CROIX WATERSHED

(moderator Dr. Jason Ulrich)

- 2:50 **GIS Along the Riverway** – Claire Cadiz: National Park Service, St. Croix National Scenic Riverway
- 3:10 **Lakeshore Landowner Values: Lessons learned from a survey and focus groups in the Carnelian-Marine-St. Croix Watershed, Minnesota** – Angie Hong: Water Education Senior Specialist with the East Metro Water Resource Education Program
- 3:30 **Restoration of Tracts of High Ecological Value within St. Croix National Scenic Riverway** – Luke Lindsay: St. Croix National Scenic Riverway
- 3:40 **When Lakes Misbehave: Paleolimnological analysis of Ann Lake, Kanabec Co., MN** – Mark Edlund¹, Joy Ramstack Hobbs¹, Eric Alms², Deanna Pomije³, Sharon Smith⁴ : ¹St. Croix Watershed Research Station, Science Museum of Minnesota, ²MN Pollution Control Agency, ³Kanabec County SWCD, ⁴Ann Lake Watershed Alliance
- 4:00 **CLOSING REMARKS / FROLIC & SOCIAL HOUR**



POSTER SESSION: ST. CROIX RIVER MUSSEL RESEARCH

The Effect of Extraction Time and Extractant on Chlorophyll- α Concentrations – Alex Dillon, Amelia Wilson-Jackson, Lienne Sethna: St. Croix Watershed Research Station, Science Museum of Minnesota

The Science Museum of Minnesota's Biology Collection as a Resource for St. Croix Watershed Biodiversity Research – Catherine M. Early: Biology Department, Science Museum of Minnesota

The Role of Thermal Structure and Nutrient Stoichiometry on Harmful Algal Bloom Formation in Remote, Northern Minnesota Lakes – Lienne Sethna, Adam Heathcote, Mark Edlund: St. Croix Watershed Research Station, Science Museum of Minnesota

Archaeological Collections from the St. Croix Valley at the Science Museum of Minnesota – Mara Taft, Ed Fleming: Anthropology Department, Science Museum of Minnesota

The Water Quality and Other Co-Benefits of Solar Energy – *Patrick Hamilton¹, Shawn Schottler², Jason Ulrich² : ¹Sustainability Initiatives & Global Change, Science Museum of Minnesota, ²St. Croix Watershed Research Station, Science Museum of Minnesota*

