



Cooperative Extension

Northern Great Lakes Visitor Center
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River Restoration/Rehabilitation Workshop for the WI Lake Superior Basin September, 15&16, 2003

Agenda

Monday, Sept. 15, 2003 Classroom & Tues., Sept. 16, Field day
Northern Great Lakes Visitor Center Auditorium, Ashland, WI

September 15, 2003--Classroom

8:00 - 8:20 Registration/coffee/fruit&rolls

8:20-8:30 Introductions/agenda for the day-Mike Kroenke, UWEX Lake Superior Basin
Educator for Natural Resources

8:30 - 9:30 Early watershed history of the area and human impacts – Dennis Pratt, Brule
River Wisconsin DNR Fisheries Biologist

- Geologic setting/glacial history
- Land cover change/logging impacts

9:30-10:00 Break

10:00-12:00 Understanding the basic geomorphic principles in context of ongoing fluvial
geomorphic assessment projects in the Lake Superior Basin - Faith Fitzpatrick,
PhD, Research Hydrologist, USGS, Brian Graber and Martin Melchior, Water
Resources Consulting, Interfluve, Inc.

- Introduction to process geomorphology-definitions/concepts
- Space, time, and causality
- Channel morphology
- Channel stability/instability/equilibrium
- Classification systems
- Channel evolution
- Geomorphic assessments/studies and field measurements

12:00-1:00 Catered lunch

1:00 - 2:00 Applications of geomorphic principles to restoration, Dale Higgins, US Forest Service Hydrologist, Brian Graber & Martin Melchior

- GIS sixth level watershed delineation- Dale
- Watershed approach using Bayfield Co. as a model - Brian

2:00-2:45 Past restoration activities in the Lake Superior Basin area (What has worked and what hasn't and why)

- Red Clay Interagency Committee Sites – Faith
- Trout habitat work- Dennis
- Culvert installation work-Dale

2:45-3:00 Break

3:00-4:00 Ongoing restoration activities in the Lake Superior Basin area

- Culvert installations - Dale
- Land acquisition -- Dennis
- Brule River habitat improvement - Dennis
- North Fish Creek submerged vanes - Faith
- Whittlesey Creek bank stabilization – Pam Dryer, Whittlesey Creek Wildlife Refuge Manager and Diane Daulton, Four County Land Conservation Department.

4:00-5:00 Recommendations for future restoration –Brian Graber, Faith Fitzpatrick & Diane Daulton

- Watershed management
- Riparian management
- Band and in-channel structures
- Culvert/fish passage
- BMPs in the Lake Superior Basin; the conclusions of the Non-Point Pollution Technical Advisory Committee to reduce peak flows in the Lake Superior Basin-Diane

September 16, 2003—Field Trip- Linking Geomorphic Processes and Restoration Techniques-Faith Fitzpatrick, Brian Graber & Martin Melchoir

8:00 a.m.-5:00 p.m.. Meet at the Great Lakes Visitor Center. Bag lunch will be provided. Please bring your own waders. If no waders available, please contact Mike Kroenke.

- North Fish Creek near Visitor Center (Hwy G) and planned forest/land stewardship site.

- North Fish Creek at Old Hwy 2—demonstration of geomorphic field techniques, stream flow gauging station, discussion of data compilation and analysis.
- North Fish Creek along hwy 2—submerged vanes demonstration site for bluff erosion.
- Overview of watershed processes—drive along upper part of North Fish Creek watershed
- Whittlesey Creek stream bank stabilization demonstration site (if time permits). Final discussion, remaining questions.

Registration information:

Please contact the Great Lakes Visitor Center UWEX Office if you would like to register for this course. Please contact 715-685-2672 and speak with Sarah Traaholt, UWEX Program Assistant or email at sarah.traaholt@ces.uwex.edu. We anticipate the cost of the program to cover meals and breaks to be approx. \$15/day or \$30.00 total. Registration brochures will be out soon.

If you have specific questions or concerns, please contact Mike Kroenke-UWEX Lake Superior Basin Educator for Natural Resources at 715-685-2674 or mike.kroenke@ces.uwex.edu.

We're looking forward to seeing you at the workshop!