Michigan Fluvial Geomorphology and Stream Classification Workshop- Sponsored by the Michigan Chapter of the American Fisheries Society

June 19-23, 2006 in Marquette, Michigan

Course Description- Past river management has ignored principles of fluvial geomorphology, resulting in projects that have unintended negative consequences, require ongoing maintenance and, in many cases, cause damage to the river ecosystem. This course will employ classroom and field exercise to introduce the principles of fluvial geomorphology and to discuss applications to river management.

This course is open to all and will be especially beneficial to anyone who works with rivers, including: Engineers, Fisheries Biologists, Water Quality professionals, Hydrologists, and Ecologists.

Participants are expected to complete intensive classroom and field exercises to collect, analyze, and present stream classification and fluvial geomorphology data (please anticipate working on Tuesday and Thursday evening). At the end of the course, students will have a better understanding of the components of healthy rivers, stream classification (Rosgen), watershed hydrology, basics of bankfull hydraulics, impacts of land use on stream geomorphology, and the methods needed to successfully conduct river projects, such as culvert placement on small to medium sized streams.

Specific skills will be developed in the following areas: Level Surveying; Finding Bankfull Elevation; Stream Measurement- Stream Dimension (Cross Section), Stream Pattern (Plan View), Stream Profile (Longitudinal Section and Slope), and Stream Sediment (Wolman Pebble Count); Stream Classification; and use of the Mecklenburg Excel Spreadsheet for data entry.

Instructors

Dr. Luther Aadland- Luther is the Program Consultant for the Minnesota Department of Natural Resources' Stream Habitat Program. He earned his doctorate from University of North Dakota in 1987. His work and research have included a wide variety of topics related to stream health, habitat, geomorphology, and ecology. He has developed designs for numerous channel restoration, fish habitat, fish passage, flood damage reduction, dam removal, and bank stabilization projects.

Dr. Sandy Verry- Since recently retiring as the Chief Forest Hydrologist with the U.S. Forest Service North Central Research Station in Grand Rapids, MN, Sandy has started the Ellen River Partners consulting firm. Sandy earned his masters degree from the University of Illinois and his doctorate from Colorado State University in 1983. He is an expert in hydrology and nutrient cycling, with a focus on the peatlands and bogs of northern Minnesota. Sandy has also studied culvert placement extensively.

Dates- The course will begin Monday, June 19 at 1:00 p.m. and end on Friday, June 23 at noon.

Lodging- A block of rooms is reserved at the Ramada Inn 412 West Washington St., Marquette under the name "Michigan AFS Stream Class". Please call 906-228-6000 to reserve your room. Our group rate of $60 + tax (this is also the rate for state and federal government employees). Rooms must be reserved by May 29, 2006.

Miscellaneous- Additional information, including directions and agenda, will be sent out to registered participants by early June.

Tuition- AFS Member- $550, AFS Student Member- $500, Non-AFS Member- $600
The tuition will cover instruction, refreshments and lunches, evening social, continuing education credits, and course materials. Tuition must be received by May 19, 2006, unless other arrangements are approved by Holly Jennings, Treasurer for the Michigan Chapter of the American Fisheries Society. Two student scholarships ($250 each) will be offered, with more details coming at a later date.

Please make your checks payable to MIAFS (sorry, we cannot accept credit cards) and send to:
Holly Jennings
USFS Huron National Forest
401 Court St.
Mio, MI 48647
hjennings@fs.fed.us

Cancellations less than two weeks prior to the first day of class, or after June 5, will result in non-refundable $50 fee.

Registration- To register for the course, please submit the following information to Nicole White (nwhite@nmu.edu):

Name _____

Address _____

Phone Number _____

E-mail _____

Affiliation _____

AFS Member? Yes_____ No_____

Student? Yes_____ No_____

Please note that our maximum class size is 40 participants. We expect the class to fill quickly, so please do not delay your registration.