

Stream Habitat Program's 2013 Workshop



The Minnesota Department of Natural Resources Stream Habitat Program offers a variety of watershed & stream related workshops & resources. Please visit our web site at www.mndnr.gov/eco/streamhab/about.html to learn more. This year we are offering the following new workshop.

**New
workshop!**

Diagnosing Streams: Symptoms, Underlying Causes, and Remedies *April 8-10, Fergus Falls, MN*

Degraded stream health is a widespread, yet treatable epidemic contingent upon proper diagnosis and treatment of stream impairments. Diagnosing stream ailments is much like diagnosing human ailments... a team of professionals considers the symptoms and collects data to diagnose the underlying causes then develops a treatment plan. Proper diagnosis and treatment of stream impairments requires the skill and experience to properly identify the underlying causes. It is also crucial to implement a treatment or restoration plan that restores the long-term health and stability of the stream.

This workshop has been developed in recognition of the need for advanced training and practical experience for natural resource professionals in diagnosing stream condition and the underlying causes of degraded health. This workshop includes: the fundamentals of river physiology and anatomy (hydrology, fluvial geomorphology, and ecology); the underlying causes and the resulting impacts to stream stability, water quality, and biodiversity; demonstrations of diagnostic tools; and practical experience gained by stepping through real examples including examples brought by attendees.



Basic workshop agenda

Monday afternoon:

- Fundamentals of River Science
- Underlying Causes of Stream Impairments

Tuesday:

- Diagnostic Tools
- Essential Field Data & Techniques
- Field tour of local streams:
Stream Diagnosis Practicum

Wednesday:

- Stream Diagnosis Exercises including attendee projects
- Restoration Remedies
- Group discussion and Q & A

Diagnosis:
*Stable or Unstable?
Local or Systemic?*



**To register complete & mail
or fax form on next page.**

2013 MN DNR Stream Workshop Registration Form

Registering for:

Price

Diagnosing Streams: Symptoms, Underlying Causes, & Remedies

April 8-10, 2013 Fergus Falls, MN

\$300

Registrants contact information:

First & Last Name (as preferred on name badge)

Title/Position

Organization/Agency

Street Address

City, State, Zip

Daytime phone

E-mail address

Dietary or special need

Payment information

Mail or fax registration to:

MN DNR, Attn. Brenda Johnson
1509 First Avenue North
Fergus Falls, MN 56537
Phone (218) 739-7576 x260
Fax (218) 739-7601
Brenda.L.Johnson@state.mn.us

- Payment is due with registration.
- MN DNR staff or other state agencies can pay by purchase order. For all others, checks should be made out to 'MN DNR'.
(*Sorry, but we can not accept credit cards.*)
- Check is enclosed (make payable to **MN DNR**)
- Will provide purchase order (if state agency)
- If payment is not included explain when payment will be made.
- Registrations will be handled on a first come/first served basis; class size will be limited to 40 students.
- Cancellations less than two weeks prior to the first day of class will result in a \$50 penalty.
- Class cancellations due to low enrollment will be determined by **March 22nd**.

E-mails will be sent to confirm registration and to provide workshop information.

Hotel rooms in Fergus Falls are reserved as a "MN DNR" block at:

- AmericInn, (218) 739-3900, starting at \$76.90 per night plus tax
- Comfort Inn, (218) 736-5787, starting at \$79.00 per night plus tax

Remember to mention that the MN DNR has a block of rooms reserved.

For payment or billing questions, contact:

Brenda Johnson (information above)

For workshop questions or to express interest, contact:

Amy Childers
MN DNR - Stream Habitat Program
Phone: 218-739-7576 x233
Amy.R.Childers@state.mn.us

Visit our web site! www.mndnr.gov/eco/streamhab/about.html