



River Currents: A forum on revitalizing rivers

Chichaqua Bottoms Greenbelt_LONGHOUSE-Polk County Conservation Board
8700 NE 126 Ave., Maxwell, IA 50161
Friday, April 29, 2011

River Currents is an education forum geared toward river enthusiasts, water trail developers, watershed coordinators, IOWATER volunteers, and others who desire a better understanding of a river as an expression of its watershed and riparian zones. Part of the day will be spent learning about common stream problems, including examples of alternative projects that mimic systems found in nature offering practical solutions for various bank stabilization, flood reduction, drainage, road crossings, and other types of projects that happen in and along rivers. The last part of the day will be spent learning about the relationships and interactions of a river's habitat.

– AGENDA –

9AM

Introduction Discussion

9:30AM

The Language of Iowa's Rivers

10AM-12PM

The Path of a Water Drop

Historic Perspectives

How Streams Work...

and how they don't. Basic terminology used in understanding rivers, and inputs that lead to channel change.

Stream Table Session 1&2

Capacity of water, energy levels, pick up or deposit sediment ... this is about energy, dissipation. How do energy and stream power change when there's a modification? How does they move sediment?

12-1PM

Lunch

1PM-2:30PM

Identifying Aquatic Species

Examples of Land-use Changes and River Channels

2-square mile analysis of Hancock County.

Mimicking Nature...

in land use, drainage, river work.

Resources

Learn more about water trails, dams, master river stewards, IOWATER monitoring, and other ways to positively engage Iowans with rivers.

2:30-3PM

Wrap-Up

Discussion of the Topics and themes from the day.

REGISTRATION: \$10 (meal included) - - - INFORMATION: www.iowarivers.org