

Decision-Makers and Project Reviewers: Adding Value to Watershed and Stream Stabilization Projects in Your Community with the River Restoration Toolbox

An Introduction to Iowa's River Restoration Toolbox

State Lab Facility 2240 S. Ankeny Blvd. Conference Room 209 Ankeny, IA 50023
December 6, 2019 | 9a.m. - 4 p.m.

This training is designed to introduce urban stream behavior and river restoration methods used to mitigate stream degradation and improve habitat. Guidance will be provided on the use of the IDNR River Restoration Toolbox as an assessment tool for project review and includes tips for guiding installation and conducting field inspection of projects.

River and stream restoration techniques coupled with bioengineering can provide desired stream stability in urban settings with attractive cost, aesthetic, and water quality advantages. The key is to understand factors that drive channel change, and applying corrective, sometimes subtle techniques.

This Training Will Provide

- Grounding in root causes of stream bank and bed erosion in different situations, with a focus in urban settings
- Overview of survey elements to include a relevant reach-level assessment that leads directly to relevant practices to address the issues
- Focus on successfully reviewing consultant work from the perspective of a city, county, agency, landowner, funder, or project manager.
- An overview of practices commonly used, inherent risks, and using stable design ranges for project success
- Field verification during construction

Who Should Attend

City and county stormwater, planning and drainage staff, water resources planners, consulting engineers and landscape architects, watershed coordinators, conservationists, project managers, and project funders.

CLICK TO REGISTER ONLINE



Registration Fees

General Registration: **\$80**
ISWEP members receive discounted fees (use applicable promo codes).

Questions?

Contact Pat Sauer

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Training Agenda

- 8:30-9:00 Check-In
- 9:00-9:10 Welcome and Opening Remarks - *Pat S.*
- 9:10-9:40 Watershed Scale Causes of Streambank Instability - *Pat S.*
- 9:40-10:20 What Should a Healthy Stream Look Like in your Community? - *Nate H.*
- 10:20-10:40 Break
- 10:40-12:00 Using the River Restoration Toolbox for Consistent Review - *Nate H.*
- 12:00-12:30 Lunch
- 12:30-1:30 Streambank, In-Stream Stabilization, and Grade Control Practices- *Nate H.*
- 1:30-2:30 Using the Restoration Practice Guide to Ensure Safe Design Ranges- *Nate H.*
- 2:30-3:00 How to Build Resilience in Stream Corridors - *Invited Jennifer Welch, Polk SWCD*
- 3:00-3:30 Tips for RFPs, Project Management, and Inspection - *Nate H.*
- 3:30-4:00 Real-world Case Studies - *Nate H.*

Course Instructors

The course is led by **Nate Hoogeveen** of the Iowa Department of Natural Resource. is the director of River Programs for the Iowa DNR. As team leader, Nate oversees river science, survey, construction, grant administration, data and mapping services, and program planning. Nate is also a certified American Canoe Association instructor. Formerly a writer, Nate is author of the guidebook, Paddling Iowa.

Pat Sauer, Executive Director of the Iowa Stormwater Partnership will also present one of the course segments. Pat is a Certified Professional Soil Scientist and CPESC. She directs the ISWEP program, oversees the Educational Toolbox Program for MS-4 and education members, organizes and conducts training events, and is involved with the Iowa Stormwater Management Manual Technical Committee.

Cancellation Policy

Full refund or credit of registration fee if cancellation notification is received three or more working days prior to event; 50% refund if notice is received less than three working days prior to event and no refund or credit is given for no notification / no-shows the day of event except in extenuating circumstances. Registration is transferable.