

# 7th Annual Driftless Area Symposium Agenda

Tuesday February 4<sup>th</sup> & 5<sup>th</sup> 2014  
 Radisson hotel, 200 Harborview Plaza  
 La Crosse, WI

## Tuesday February 4<sup>th</sup>, 2014

9:00—noon	Registration - Hotel Foyer - Radisson		
10:00—10:10	Welcome and Announcements, Hotel Ballroom – Jeff Hastings, Project Manager – Trout Unlimited Driftless Area Restoration Effort		
10:10- 12:00	<b>Keynote: Faith Fitzpatrick</b> , PhD Research Hydrologist - USGS Water Science Center, WI. "Influence of Key Longitudinal and Later Hydrogeomorphological Processes on Riparian and Instream Habitats of Driftless Area Streams."		
	<b>Keynote: Luther Aadland</b> , PhD River Ecologist, MN DNR Stream Habitat Program "Spatial and Temporal Scales of Stream Restoration."		
12:00-1:00pm	Lunch Buffet – Hotel Foyer <b>Lunch speaker: Jeff Green</b> , Springshed Mapping Hydrologist, MN DNR		
Time	Riparian Management Hotel Ballroom	Time	Hydrology/Geology/Karst Resource Investigations Wisconsin Room
<b>Lessons Learned</b> <b>Moderator: Jeff Hastings</b>		<b>Moderator: Jeff Green</b>	
1:00-2:45	Trout Stream Habitat Improvement: Addressing Factors Limiting Trout Populations in Southeast Minnesota from a Historical Perspective. <b>Steve Klotz</b> , Lanesboro Area Fisheries Supervisor, MN DNR.	1:00-2:45	Geologic Mapping in the Upper Iowa River basin: A Step Towards the 3-D Watershed. <b>Bob Libra</b> , Iowa Geological Survey.
	Developing trout populations and trout habitat in Driftless Area streams- what I think I know. <b>Bill Kalishek</b> , Fisheries Biologist, IA DNR.		Characterization of Karst Terrain within the Driftless Area of Northwestern Illinois Using Drought-Induced Crop Lines: Part I – Remote Sensing. <b>Don Luman</b> , Illinois Geological Survey.
	River Restoration Retrospective - the continuing struggle between the left brain and the right brain. <b>Marty Melchior</b> , Inter-Fluve, Inc.		Characterization of Karst Terrain within the Driftless Area of Northwestern Illinois Using Drought-Induced Crop Lines: Part II – Geology and Hydrogeology. <b>Sam Panno</b> , Illinois Geological Survey.

	Today's stream restoration project based on miles of experience. <b>Bob Micheel</b> , Monroe County Land Conservation Dept., WI.		Dyeing in the Driftless: What has Dye Tracing Taught us About Groundwater Flow in Southeast Minnesota. <b>Jeff Green</b> , Springshed Mapping Hydrologist, MN DNR
2:45-3:00	Break		
3:00-4:30	Have I Learned My Lesson? <b>Mike Dreischmeier</b> , P.E. NRCS Area Engineer,	3:00-4:30	Quaternary reversal of flow along the lower Wisconsin River Valley. <b>Eric Carson</b> , Wis. Geological Survey.
	A Twelve-Year Stream Restoration Journey: Lessons Learned at Prairie Song Farm. <b>Mike Osterholm</b> PhD, MPH Professor, Environmental Health Sciences, University of Minnesota		Digital Soil Mapping Red Clay/Rountree...methodology in creating watershed scale maps. <b>David Evans</b> , UW-Madison Soils Dept.
	Valley Creek Watershed and Stream Restoration. <b>Jeff Lee</b> , Barr Engineering.		Mapping the Depth to Bedrock in the Kickapoo River Valley, WI. <b>Steve Mauel</b> , Wisconsin Geological Survey.
	<b>5:00 p.m. Social      Freight House, 107 Vine St., La Crosse – Appetizers!!</b>		

**Wednesday, February 05, 2014**

Breakfast (included in registration) 7:00 a.m. to 8:00 a.m.			
Riparian Management		Hydrology/Geology/Karst Resource Investigations	
<b>Cold Water Research</b> – Hotel Ballroom 8:00 to 10:00 a.m.		Wisconsin Room 8:00 to 10:00 a.m.	
8:00 – 10:00	Arrival of New Zealand mud snails to the Driftless Area: implications for streams, anglers, and resource managers. <b>Mike Miller</b> , WI DNR.	8:00-10:00	Geophysical Investigation of the Stone Barn Road Sinkhole, Nachusa Grasslands, Ogle County, Il. <b>Phil Carpenter</b> , Northern Illinois Univ.
	Minnesota Driftless Area Winter Angling Creel – 2013. <b>Vaughn Snook</b> , Assistant Area Fisheries Supervisor, MN DNR.		The Place called “Away”, Landfills of the Coulee Region. <b>Brian Kalvelage</b> , WI DNR.
	Seasonal survival, emigration, and immigration of brown trout among three interconnected streams in southeast Minnesota. <b>Doug Dieterman</b> , MN DNR.		Dye tracing in the St. Lawrence/Tunnel City Formations. <b>John Barry/Jeff Green</b> , MN DNR.
	Monitoring gill lice and trout population dynamics in Wisconsin streams. <b>Matt Mitro</b> , WI DNR.		Geologic Controls on Groundwater & Surface Water Flow in Southeastern MN & its Impact on Nitrate Concentrations in Streams. <b>Anthony Runkel</b> , Chief Geologist, MN Geological Survey
	Adaptation Strategies for Brook Trout Management in the Face of Climate Change. <b>Paul Cunningham</b> , WI DNR.		
10:00-10:15	Break - Hotel Foyer		
<b>Riparian Management – Hotel Ballroom</b>		<b>Wisconsin Room</b>	
10:15-noon	Every multiflora rose has its thorn: legacy challenges and current conservation opportunities in Driftless farm woods and pastures. <b>Keefe Keeley</b> , UW-Madison.	10:15-noon	The Development of the Silica Sand Mining Trout Stream Setback Permit. <b>Scot Johnson</b> , MN DNR.
	How Stressed are the Aquatic Biological Communities of Southeast Minnesota? <b>Tiffany Schauls</b> , Minnesota Pollution Control Agency.		Driftless Stream Habitat Improvement: The importance of watershed landscape, soils and soil properties. <b>Jeff Broberg &amp; Luke Lunde</b> , McGhie& Betts.
	Invasives <b>Don Barrette</b> , Aquatic Invasive Species Coordinator/Specialist, Southwest Badger RC&D		Using Hydrologic Field Data and Geological Knowledge to Assess the Baseflow Recession Hydrology in the Headwater of Driftless Area Streams. <b>Zachary Schuster</b> , Nelson Institute for Environmental Studies, UW-Madison

	Goats as a Restoration Tool for Degraded Oak Ecosystems. <b>Cherrie Nolden</b> , Univ. Wisconsin-Madison.		Relative position of brown trout in winter food webs of groundwater-dominated streams using stable isotope analysis. <b>Will French</b> , Univ. Minnesota.
	Estimation of Angler Effort on Black Earth Creek (WI) by Remotely – Triggered Infrared Cameras. <b>Jason Freund</b> , Assistant Professor of Environmental Science, Carroll University		