



Near-Channel Sediment Source Management Forum

January 4, 2012

Best Western Plus Hotel and Restaurant
111 Range Street
North Mankato, MN 56003

A building body of research is indicating that near-channel sediments are a significant contributor to our sedimentation and turbidity challenges; however, meaningful near-channel source sediment reductions are extremely challenging.

Please join us as we explore the history, drivers, and consequences of our near-channel erosion conundrum. We will review erosional processes, management options, and prioritization strategies. We will close the day with perspectives and discussion on sediment reduction strategies and challenges. Open to everyone interested in sediment reductions and erosion challenges.



WATER RESOURCES CENTER
MINNESOTA STATE UNIVERSITY, MANKATO

For more information:

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(507) 389-5690

Near-Channel Sediment Source Management Forum

Agenda – January 4, 2012

8:30 am - Registration and Refreshments

Forum starts promptly at 9:00 am.

The Near-Channel Sediment Source Challenge – Welcome and Opening Comments

Dr. Shannon J. Fisher, Executive Director and Associate Professor
Minnesota River Board and Water Resources Center

Role of Geomorphic and Recent History on Near-Channel Erosion

Dr. Karen B. Gran, Assistant Professor
Department of Geological Sciences, University of Minnesota, Duluth

More Erosive Rivers: Consequences and Drivers

Dr. Shawn Schottler, Senior Scientist
St. Croix Watershed Research Station, Science Museum of Minnesota

Management Options for Bluff and Ravine Erosion

Paul Nelson, Administrator, Scott Watershed Management Organization
Marty Melchior, Stream Ecologist, Inter-Fluve, Inc.

Working with Landowners in the Blakeley Ravines

Willie Peters, Engineering Technician, Scott Soil and Water Conservation District

Understanding and Evaluating Sediment Source Mechanisms and Contributions

Todd Kolander, Clean Water Legacy Specialist, MN Dept. of Natural Resources

Prioritization and Strategies to address near-stream sediment source management

Dr. David Mulla, W.E. Larson Chair and Professor
Department of Soil, Water, and Climate, University of Minnesota

Steep Terrain Riparian Management: Exploring a Balanced Approach

Dr. Joseph Magner, Research Scientist, MPCA and Research Professor, University of Minnesota

Panel Discussion: Alternative strategies, practices and priorities to reduce sediment from near-channel sources (Moderated by: Al Kean, BWSR and Larry Gunderson, MPCA)

Sediment reduction is a primary goal of many conservation entities; however, achieving meaningful near-channel source sediment reductions have been and will continue to be extremely challenging. A panel of our guest speakers will address this concern and forum participants will have an opportunity to ask questions and provide input. Key questions will include:

- ❖ *What does our knowledge of hydrology and geomorphology in the Minnesota River Basin tell us about channel stability and how to reduce near-channel sediment sources?*
- ❖ *What are key strategies and practices to reduce sediment sources in the Minnesota River Basin?*
- ❖ *If hydrology management is a key strategy, what flows are the most important to modify, and why?*
- ❖ *What is the most critical common understanding or belief needed by key stakeholders to reduce sediment sources in the Minnesota River Basin and elsewhere in Minnesota?*

Perspectives on the Near-Channel Sediment Source Conundrum

Dave Leuthe, Technical Resources Section Administrator, Division of Ecological and Water Resources, MN Department of Natural Resources

REGISTRATION INFORMATION

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Registration Fee

Received by 12/28/11: \$40.00

After 12/28/11 or at Door: \$60.00

- Electronic Registration:**
- 1) Go to the home page at www.minnesotariver.org.
A conference announcement is on the right side.
 - 2) Select, fill in, and submit the online registration form.
 - 3) Select the appropriate credit card payment and select "Add to Cart" and follow the PayPal instructions.

- Mail Registration:**
- 1) Detach, fill in, and mail the registration form below.
 - 2) Include a check to cover the registration costs (see above) made out to the Minnesota River Board.

Registration and Forum questions can be directed to either Karnell Johnson (karnell.johnson@mnsu.edu) or Shannon Fisher (shannon.fisher@mnsu.edu) via email or telephone (507) 389-5491

Mail-in Registration Form

Name _____

Affiliation (if applicable) _____

Address _____

City _____ State _____ Zip _____

Email _____ Telephone _____

Mail this form and check to: Minnesota River Board
135 Trafton Science Center South
Mankato, MN 56001