



Minnesota Erosion Control Association **EROSION MATTERS**

Advancing Effective Stormwater Management and Erosion Control

VOLUME 26, ISSUE 8

SUMMER 2015

2016 MECA Annual Conference: Healthy Soil Healthy Water

4 Front Page Speakers from around the United States!

Minnesota ~ Maryland ~ Illinois ~ North Carolina



John Linc Stine
Commissioner MPCA
Keynote Speaker
Speaking Wednesday
January 27, 2016

As Commissioner of the MPCA, John promotes regulatory efficiency, emphasizing the mutual benefits of a strong regulatory system for Minnesota's economy and public health. **John is committed to effective partnerships to benefit all Minnesotans.**

John began his 35-year public service career as a student at the MN Department of Natural Resources in 1978, advancing to work as a hydrologist and chief regulator for Minnesota's public water resources.



Seth Brown
Founder of Storm and Stream Solutions
Speaking Wednesday
January 27, 2016

As Founder and Principal of Storm and Stream Solutions, LLC (S3), is dedicated to creating and providing various professional services in the water sector.

Cutting-edge concepts and innovative solutions are needed in the water sector. Academic-oriented efforts to capture the socio-economic and technical dimensions of natural water systems provide a more holistic understanding of critical water issues.



Chad Pregracke
Founder and President of Living Lands & Waters
Capstone Speaker
Speaking Thursday
January 28, 2016

Chad Pregracke is the internationally **named 2013 CNN Hero of the Year.**

Best known for starting out as a young man in East Moline, Illinois wanting a clearer waterway, Chad became the champion for the Mississippi River.

He has been recognized by former President George W. Bush as a national "Point of Light". He received a standing ovation at the Kennedy Center for his inspirational message!



William Hunt
William Neal Reynolds Distinguished University Professor & Extension Specialist
Speaking Thursday
January 28, 2016

Dr. Hunt is a University Professor and Extension Specialist in NC State University's Department of Biological and Agricultural Engineering department.

Since 2000, Hunt has assisted with the design, installation, and/or monitoring of over 90 stormwater best management practices (BMPs).

MECA 2016 Conference
Check out details on page 5!!

Message from the MECA President John Chapman



After drought forecasts in the spring, Minnesota has seen healthy rains and everything looks to be growing well, including the January 2016 MECA conference planning. The conference will have speakers on a diversity of topics from soil health to stadiums to pond maintenance. The Mankato field workshop had a strong turnout on June 17, and MECA is planning a fall field workshop in the eastern metro area as well.

MECA is run by a seven person volunteer board and we are always looking for more input. If you have thought about being more involved with MECA, this is a great time to attend some of the monthly board meetings and see how it all works. We look forward to seeing you at the next MECA event or board meeting.

Call for nominations for the MECA Board of Directors

It is time to nominate MECA members for the MECA Board of Directors!

MECA Board of Directors has two positions up for election. They are both for a term of February 2016 to January 2019 (three year term). Nominations will be accepted until December 1, 2015. Elections will follow. Election ballots can be turned in by mail before the conference or at the January 2016 conference.

Please submit MECA Board nominations to the MECA office at meca@mnerosion.org.

Nominations should include:

Name and company or organization, phone number, email and address with picture & bio.

On behalf of the Board of Directors, we appreciate your support for MECA, and look forward to receiving your nominations.

MECA Board Members

President John Chapman, Vice President Rick Baird,
Treasurer Rick Kruger, Secretary April Ryan
Board Member Greg Berg, Board Member Vicky Dossall
Board Member Brad Vierkant

MARKETING OPPORTUNITY

If you are reading this newsletter, so are hundreds of others!
MECA is accepting ads for it's newsletter.

Rate: 1/4 Page \$50 / issue
1/2 Page \$75 / issue
Full Page \$100 / issue

If you would like to place an ad, Just contact the MECA office.
Contact info: meac@mnerosion.org, (320) 685-5444

NEW PRODUCT INFORMATION

"NEW" MPD Infiltrometer offered by *Upstream Technologies*

- Avoid design errors for infiltration sites.
 - Perform 20 Ksat tests in 3 hours by one technician.
 - Verify infiltration BMP's for design, construction and long term monitoring.
 - Datalogger automatically captures falling head readings.
 - Accurate calculations completed automatically and reports generated within minutes.
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MECA

Ruth Kraemer
Administrator
600 4th Street North
Cold Spring, MN
56320

Phone:
320-685-5444
Fax: 320-685-4592
meca@mnerosion.org

www.mnerosion.org

Education Opportunity—WORKSHOP

Species Selection and Maintenance for Stormwater BMPs

This workshop will provide information on:

- Proper Species Selection
- Selecting Plants for Pollinators
- Vendor Presentations—Latest and Effective Products
- Maintaining Vegetation in Stormwater BMPs

Hands-on:

- Plant Selection Exercise
- Visit to the Stearns County West Side Service Center where multiple practices and plantings exist to review.

Date: Wednesday September 9, 2015

Location: Stearns County SWCD, 110 Second Street South, Waite Park, MN 56387

Time: 9:00 AM to 3:30 PM

Cost: \$ 50 MECA Members, \$75 Non-MECA Members

CONTACT THE MECA OFFICE FOR REGISTRATION FORMS (meca@mnerosion.org)

PROJECT NEWS: The Lake Koronis Subwatershed Protection Project

The Stearns County Soil and Water Conservation District (SWCD) received a Clean Water Partnership Grant from the Minnesota Pollution Control Agency (MPCA) to work with the public in an effort to protect and/or improve the water quality of Lake Koronis. The goal of the project is simple. It is to work with property owners on or near Lake Koronis to create natural buffers, fix shoreline erosion issues and capture stormwater runoff.

Through this project the SWCD is asking residents to stop and take a look at how water is flowing throughout their property. Are there areas where water could be stored on the landscape? Is your shoreline eroding? Is their sediment being washed downstream into the lake, onto a neighbor's property, or into a stream or wetland? This project creates opportunity for property owners to discuss their water related issues and come up with a solution to help solve those issues in order to enhance Lake Koronis "The crown jewel of Lakes".

So far the SWCD and their consulting firm have identified about 16 projects that we are currently getting ready to put out for bid. The proposed projects include: wetland restoration, creating native buffers where residents have typically mowed to the water's edge, critical area plantings, stabilizing shoreline erosion using cedar tree revetments, and installing infiltration trenches and raingardens along the road right of ways.

Lake Koronis has been a destination lake for many years. It is used for recreation and the DNR ranks Koronis Lake as an "excellent fishing lake". Lake Koronis has regional and state significance by providing unlimited water recreation opportunities, including hunting, fishing, water sports, bird watching, scenic value, and habitat areas. The Koronis Lake Association, Paynesville Township, North Fork Crow River Watershed District, Crow River Organization of Water, and the MPCA all recognize the importance of protecting our water resources. These state and local organizations have committed to help preserve and protect Lake Koronis from further degradation.

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ALTERNATIVES TO RIP RAP

Brock White is your source for new and innovative alternatives to Rip Rap to protect against erosion along shorelines, slopes, and anywhere that sediment is moved by water runoff.



FLEXAMAT

Flexamat consists of concrete shapes that are tied together with high strength geogrid, which enables vegetation to be established while remaining a permanent erosion control solution. Flexamat is capable of handling high flow water runoff. For more information, visit www.BrockWhite.com/Flexamat.



SCOURSTOP™

The ScourStop transition mat is designed with voids throughout the structure that allows vegetation growth while providing mechanical protection over highly erosive areas. Scourstop provides protection against much higher shear stress and velocities than rock rip rap. For more information, visit www.BrockWhite.com/Scourstop.



TURF REINFORCEMENT MATS

Brock White offers a variety of Turf Reinforcement Mats to stabilize erosive areas. We provide TRM's for both short-term and permanent erosion control, as well as High Performance TRM's for the most demanding erosion control applications.

- | | |
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| <u>NAG</u> | <u>PROPEX</u> |
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| SC350 | LANDLOK® 300 |
| P300 | PYRAMAT® |
| P550 | ARMORMAX® |
| VMAX® W3000™ | |

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2016 MECA Conference

**Pre-Conference Workshops and
Two days packed full of Education and Networking!**

**Overview of the 2016 MECA Conference
educational opportunities!**

Pre-Conference ~ Tuesday January 26, 2016

- ◆ Construction Installer Certification
- ◆ Industrial Stormwater Regulations
- ◆ Complying with your MS4 Workshop
- ◆ Minnesota Seeders Association Meeting

Conference ~ Wednesday January 27, 2016 and Thursday January 28, 2016

Location ~ DoubleTree Park Place, 1500 Park Place Blvd., Minneapolis Minnesota

**Highlights ~ John Linc Stine, Commissioner MPCA
~ Seth Brown, Founder of Storm and Stream Solutions
~ Chad Pregracke, Founder and President of Living Lands & Waters
~ William Hunt, William Neal Distinguished Professor & Extension Specialist**

Educational

Topics ~ Featuring presenters with expertise in these area!

- Wilken County H2O Storage Using Drainage Ditches
- New Products
- Toe Wood Installation: Project Examples
- Pattern Tiling Effects on Storm/Ditch Channels
- Water Work Edge—Functional or “Eye Candy”
- Permeable Pavement
- MS4 Stormwater Practice Inspection
- Innovation of Sediment Control & Building a Business
- Slope Stabilization—Before and After
- Working Effectively with Private Land Owners
- The Importance of Soils for Stormwater Treatment
- Accessing & Managing Soil Health
- Buffer Regulations, Ag Construction, and Shoreline
- Saints Stadium



**Watch your email inbox
for details
and registration forms!**

**We look forward to seeing
you in January!!**



PRODUCT INFORMATION

Submitted by Rick Kruger, Brock White



Imagine being able to use concrete on slopes, in water, and in other hard to reach places - with no molds, no mixing, and minimal equipment. Concrete Cloth is flexible and will bend and curve, enabling it to follow the natural contours of the land, including ditches and slopes.

Unlike regular concrete, Concrete Cloth can be installed in the rain, and other wet conditions, virtually eliminating rescheduling due to weather conditions. It comes in a variety of sizes, including man-portable rolls that two men can carry, reducing the need for heavy machinery.

The fabric structure also reinforces the concrete and reduces cracking, while using up to 95% less concrete than conventional methods. Concrete Cloth has a low alkaline reserve and a low wash rate for a low ecological impact. It meets many ASTM and other standards and is resistant to chemicals, weather, wear, and UV.

The unique structure of Concrete Cloth facilitates ease of installation. Cement mix is trapped in a flexible 3D fabric, backed with a waterproof layer. The fabric can be hung vertically, laid in trenches, or cut and formed into shapes to create a durable layer of concrete, all without the need for molds or mixers. Wet the fabric to activate the cement, and within 24 hours, the product has cured to 80% strength.



Applications:

The possibilities are endless... Flexible and easy to use without special concrete mixing tools, Concrete Cloth™ can be used for any application that needs a strong, weather resistant material, from weed control to pipe protection to building to design!

Ditch Lining—Mining—Erosion Control & Slope Protection—Building & Shelters & More



Special MECA Conference Offer for Students

who are interested in erosion and sediment control techniques and practices, the use of those practices and new and innovative storm water management practices.

MECA is offering a reduced scholarship for the MECA two day conference for students!

The first **35** students to register for this event may do so for \$50! This will include admission to the conference (value of \$360) and a MECA Membership for 2016 (value of \$50).

If you know of a student that would benefit from this event, please have them contact the MECA office (meca@mnerosion.org).

Plan to submit your registration when conference registration opens in October!

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MINNESOTA EROSION CONTROL ASSOCIATION 2016 AWARDS

Each year MECA recognizes outstanding individuals and projects. Awards will be presented at the MECA 2016 Conference January 28, 2016. If you know of a person or a project that deserves recognition, we welcome you to submit this nomination form to the MECA office.

The MECA Board of Directors will review nominations and determine which submissions are will receive awards.

Categories include:

Innovation Award Awarded to an individual, company, government agency or organization that developed new products/ideas that advanced the field of erosion & sediment control/stormwater management.

Industry Leadership Awarded to an individual, company, government agency or organization that has demonstrated leadership in the erosion and sediment control, or stormwater management field.

Environmental Excellence Awarded to an individual, company, government agency or organization for a project that is deemed excellent based on many factors including, but not limited to; innovation, partnership, water quality and quantity protection, and project success.

Environmental Leadership Awarded to an individual, company, government agency or organization who has shown leadership in advancing effective erosion and sediment control and stormwater management or other water resource related fields that have advanced water resource quality in Minnesota.

MECA Recognition Award Awarded to an individual who has been actively involved with MECA and contributed significant time and effort to MECA's work.

NOMINATIONS ARE DUE BY November 1, 2015
Go to www.mnerosion.org to download the forms!

MINNESOTA EROSION CONTROL ASSOCIATION CHARLIE PARNELL MEMORIAL SCHOLARSHIP 2016

The Charlie Parnell Memorial Scholarship was established by the Minnesota Erosion Control Association (MECA) in 2007 to recognize the outstanding work and enthusiasm Charlie Parnell contributed to the erosion and sediment control and stormwater field. MECA wishes to award this \$500 scholarship to an individual who wants to pursue an engineering or science degree with an emphasis on erosion and sediment control or stormwater management.

QUALIFICATIONS:

- To be eligible for the MECA Scholarship, you must be a student with intent to complete an engineering or science degree.
- You should also demonstrate an interest in pursuing a career involving stormwater management or erosion and sediment control.
- You must have a grade point average of 2.5 and be a Minnesota resident. Your college does not have to be located within the state of Minnesota. Both new college students and those currently enrolled are encouraged to apply.

INSTRUCTIONS:

1. Fill out the Scholarship Application form (form is at www.mnerosion.org).
2. Submit an essay. Write an essay stating why you feel you deserve to receive the MECA Scholarship. Please indicate your objectives, and information about your educational, career, and personal goals. Demonstrate your talent by writing about any special interests or special circumstances that you may wish the selection committee to consider. Include information on evidence of leadership and community service. **Essay format:** One page, 11 point font size with 1" margins. Use your name and essay name as the title.

Return your application and essay by mail or email (digital copy is preferred) to:

Minnesota Erosion Control Association
600 4th Street North
Cold Spring, MN 56320
meca@mnerosion.org

Application Deadline: November 15, 2015

The application must be postmarked or sent via email no later than November 15, 2015. For more information, contact the Minnesota Erosion Control Association at (320) 685-5444 or meca@mnerosion.org

IMPORTANT INFORMATION

Once awarded, proof of school registration for the upcoming semester is required before release of the scholarship check. You must furnish any other applicable transcripts you would like the Scholarship Committee to consider. All applicants will be notified, by letter, of their eligibility and the results of their applications. The scholarship winner will be invited to attend the Minnesota Erosion Control Association's annual conference in January.

MECA's Annual Photo Contest

We are excited to have a Photo Contest again this year's at the annual MECA conference. This is a great opportunity to gain visibility and share your accomplishments with the erosion and stormwater management industry.

Photos will be displayed at the 2016 MECA Conference on January 26-28, 2016 at the Doubletree Park Place in Minneapolis MN. Attendees will vote on their favorite photo, **a cash prize of \$50 will be awarded in each category!**

The contest is free, so send in your photos! The photos will also be featured in the MECA Newsletters throughout the year!

Rules and Guidelines

- **Entries are due on or before December 1, 2015**
- Photo resolution must be 300 dpi or higher. The higher the resolution, the better your image will appear.
- Photos will be accepted only in .jpg, .tif, or .gif electronic formats.
- Include a brief description for each photo submitted.
- Individual image filed may not exceed 10 MB in size.
- Submit electronic photos to the MECA office at meca@mnerosion.org
- Entries will be screened for eligibility. MECA has the right of refusal for any or no cause.

Please submit only high-quality photos. The photo(s) should be sharp, well-focused with proper lighting. Photos that are out of focus, too dark, too light, grainy or otherwise unclear will not be competitive. Please only one photo per category.

Categories:

- Before and After Construction (submit 2 photos taken from the same location)
- Technology in Action
- Impacts of Erosion & Sediment
- Bloopers

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