

Wisconsin Ground Water Association Newsletter



President's Message

My term as President will end on December 31 and Jim Bannantine of Geosyntec will serve as the President of the Wisconsin Ground Water Association (WGWA) in 2011. As I reflect on the past year, I am very pleased with the fulfillment of my goal of providing high quality technical and educational seminars our members. I hope you had the opportunity to attend and learn something new from the speakers and participants at these seminars.

Our Board of Directors met recently on October 21, 2010 to plan additional informational seminars for 2011. We are confident the upcoming events will continue to be of both interest and inspiration to our members. The recent and planned events include:

- The WGWA Lecture Series continued on Tuesday, November 16 with a luncheon seminar held at the MRA Conference Center in Waukesha. Ms. Yiyang Xiong, P.E. and Mr. Bryan Ripp, P.E., P.G. of Mead & Hunt spoke on the topic of "**Restoring Lake Delton**". The presentation has been placed on the WGWA web page for review by any member that could not attend the presentation in person. Be sure to watch the two video clips embedded in the presentation of the embankment breach and the loss of the lake's water into the Wisconsin River.
- The WGWA Holiday Party will be held at the Thunder Bay Grille on Thursday, December 9, 2010, and will begin at 6:30 p.m. Please join us for good cheer, reflections of 2010, and inspirations for the coming year. This event also provides an opportunity for you to visit with the WGWA Board and offer your suggestions for events and educational seminars in 2011. All WGWA members will receive a free gift.
- The WGWA Lecture Series will continue on Tuesday, January 11, 2011 with a luncheon seminar at a yet-to-be-determined location. Dr. John Luczaj, Professor of Natural and Applied Sciences at the University of Wisconsin – Green Bay will be speaking on the topic of Geochemical Characterization of Sulfide Mineralization in Eastern Wisconsin Carbonate Rocks. Invitations for this upcoming lecture will be issued soon. I hope you will consider joining us for this event. We again anticipate a large turn-out for this seminar and encourage you to register early.

Thank you for your interest and support of WGWA. We are always looking for new and creative ideas to grow and service our membership and welcome your thoughts and feedback.

Respectfully,

James F. Drought, P.H.
WGWA Present

● [Treasurer's Report](#)

● [Board Meeting Notes](#)

● [Interesting Articles and Other Tidbits on the Web](#)

Groundwater levels are rising near Red Lake, North Dakota. The following is an interesting article about the situation which never mentions the word "ground water". We've got some 'splaining to do!
[<<READ MORE>>](#)

● [Conferences, Meetings, and Courses \(November thru January\)](#)

Nov 29 The Value of Water Symposium: 5:30 p.m., Hyland Hall's Timmerman Auditorium. One of a series of water lectures to be held by the College of Business & Economics and sponsored by Whitewater Water Council. Open to public. More information, e-mail: water@uww.edu.

Nov 30 Farmland Preservation Planning Workshops: 12:15 pm-4:00 pm. Town of Washington Town Hall, Eau Claire, WI Free. Learn more about requirements for farmland preservation planning and plan certification. Info.: Coreen Fallat, 608-224-4625 or coreen.fallat@wisconsin.gov, or www.datcp.state.wi.us/registration/fpp.jsp

Nov 30-Dec 9 Soil, Water and Nutrient Management Meetings: To provide research updates and hosted by UW-Extension, Madison. More info.: Matt Ruark, (608) 263-2889, mdruark@wisc.edu
Locations:

Nov. 30, Fitchburg, contact David Fischer, 608-224-3716, Note, this meeting will held from 9 a.m. to 2 p.m.
Dec. 1, Sparta, contact Bill Halfman, 608-269-8722

Dec. 2, Eau Claire, contact Mahlon Peterson, 715-839-4712

Dec. 3, Marshfield, contact Don Genrich,

WGWA TREASURER/MEMBERSHIP CHAIR OPENING



The Treasurer's position currently held by Becky Caudill will become vacant on January 1, 2012. Interested applicants should contact either the President or President-Elect before December 1, 2011. These phone numbers currently are 414.291.2362 for President and 414.339.5630 for President-Elect. A brief description of the position follows. Splitting the duties between two people, one Membership and one Treasurer is a possibility if preferred.

The Treasurer currently takes on the dual role of Treasurer and Membership Chair. The Treasurer is responsible for monetary receipts, disbursements, and investments. This involves tracking registrations for events and paying related bills. Responsibilities as Membership Chair include recruiting new members, collecting membership dues, and reporting on these matters at each Board meeting and in each newsletter.

The Significance of Faulting to the Hydrogeology of the Cambro-Ordovician Aquifer System in Northeastern Wisconsin

Recent bedrock geologic mapping in Brown County and other parts of northeastern Wisconsin has revealed the existence of numerous large faults in the region that cut across the Paleozoic sedimentary section. These faults may have significant implications for groundwater quality and quantity in northeastern Wisconsin. This article provides a preliminary look at the distribution and character of a few of these structures. [<<READ MORE>>](#)

Stratigraphy Corner– Northeast Wisconsin

In keeping with the Northeast Wisconsin theme of the recent WGWA Field Trip and this newsletter, let's add the dimension of depth to what field trip participants saw at the surface. The cross section to be examined is one of many published in the 1998 USGS Hydrologic Atlas, for which I compiled the geology.

[<<READ MORE>>](#)

2010 Field Trip Overview

Participants enjoyed guided and interpretive tours of the following:

- Groundwater and Glacial Lake Oshkosh Depositional History, including information on water chemistry, geophysical measurements, and lithology. Dr. William Mode, professor of glacial geology at the University of Wisconsin Oshkosh was the guest stop leader on Saturday afternoon!

- Geology and Hydrogeology of High Cliff State Park, lead by Dr. Marcia Bjornerud, Professor of Geology and Walter Schober Professor of Environmental Studies at Lawrence University, Appleton, Wisconsin!

Paleoecology, including evidence of Tundra plants in Wisconsin!

[<<READ MORE>>](#)

608-339-4237

Dec. 6, Juneau, contact Matt Hanson, 920-386-3790

Dec. 7, Kiel, contact Mike Ballweg, 920-459-5904

Dec. 8, Shawano, contact Katie Behnke, 715-526-6136

Dec. 9, Dodgeville, contact Gene Schriefer, 608-935-0391

[NGWA Course offerings](#)

Selected Ground Water-Related Conferences and Meetings (September 2010– January 2011)

Dec 2. Long Distance Cycling: Rock Trail Coalition Meeting, JOBS Center, 6:30 pm room D&E. Info.: <http://rocktrail.wordpress.com/>

2011

January 11-13. North American Environmental Field Conference & Exposition, "Advances and Innovations in Environmental Site Characterization, Sampling, Monitoring and Remediation", Hilton San Diego Resort & Spa on Mission Bay in San Diego, CA
www.envirofieldconference.com

Jan 30–Feb 1. DNR/WAA Annual Urban Forestry Conference and Trade Show: Hotel Sierra/KI Convention Center, Green Bay, WI
www.waa-isa.org/calendar_of_events.asp

Feb 16-17. Wetlands in the Landscape: 16th Annual Wisconsin Wetland Association Conference: Baraboo, WI: Info.: <http://www.wisconsinwetlands.org/2011CFEP.htm> Call for Presentations Submission deadline: Nov. 15, 2010

Mar 24-25. Citizen-Based Stream Monitoring Symposium: Lussier Family Heritage Center, Madison. Volunteer stream monitors addressing this year's topic, "Assessing Agricultural Impacts in Your Watershed". Present data you have collected. Network with other volunteer groups; attend training. More information to follow later this fall.

Apr 7-9 2011. Midwest Environmental



Having trouble determining where the water is coming from in your dolomite well?

The USGS has completed a study of methods for determining well recharge in karst aquifers of Minnesota which should provide some insight to methods. To see a pdf of this report, click the link below.

<http://pubs.usgs.gov/sir/2010/5005/pdf/sir2010-5005.pdf>

UW- Whitewater Students Become Part of Water Council

Students at the University of Wisconsin-Whitewater held the inaugural meeting of the Whitewater Water Council student group in early October. Universities throughout Southeastern Wisconsin had been called on by the Milwaukee Water Council to develop student chapters. UW-Whitewater was the first to respond to the call.

After the meeting, President Meghan Jensen said, "It looks like we have a group of creative people who will be able to work together and get things accomplished!"

Students came bursting with ideas on how the council can educate and create awareness about local and global water issues, assist in development of the greater Milwaukee region as a World Water Hub, connect with other water-based organizations and develop and grow student water council chapters at universities across the state of Wisconsin.

On October 20, "International Campus Sustainability Day," members of the group conducted a water awareness event on the UW-W campus using facts and visuals to raise awareness and inform people about water quantity, quality and accessibility concerns.

The Whitewater Water Council will sponsor "The Value of Water Symposium," on Nov. 29, 5:30 pm at Timmerman Auditorium in Hyland Hall. This is one of a series of water lectures being held by the College of Business and Economics.

More information can be obtained by emailing water@uww.edu.

Bizarre Dinos Found

Two bizarre new dinosaurs—one with a stupendously multi-horned face and another likened to a giant rhino with an absurdly large head—have turned up in southern Utah, scientists say.

The giant planteaters lived in what was then a "lost continent" called Laramidia, according to researchers. This land mass formed when a shallow sea flooded the central region of North America, isolating the eastern and western parts of the continent for millions of years late in the dinosaur era.

[<<READ MORE>>](#)

Education Conference:
Environmental education: Naturally healthy, Rochester, MN . Info.: <http://minnesotaee.org/MEEC>. Call for Presentations: Proposals must be submitted by e-mail or postmarked by October 20, 2010, 2011 Midwest EE Conference presentation application (Word)

Apr. 9. Forest Soils & Geology: Leopold Center, Baraboo, 9:00am-4:00pm. Seminar will provide basic understanding of Wisconsin's glacial and geologic footprint that has shaped and influenced the state's diverse soil composition and forest types. Cost: \$45 (\$40 members). Class limit: 25. Register.

2010 Officers and Committees

President (2010)

James Drought
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President Elect (2011)

Jim Bannantine
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Past President (2009)

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Secretary (2009-2010)

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Treasurer/Membership (2008-2010)

Rebecca Caudill
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Committee Chairpersons

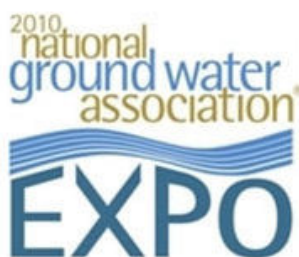
Newsletter

Lee Trotta
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Database of the Porosity and Density of Wisconsin Aquifers and Aquitards Created

The Wisconsin Geological and Natural History Survey has created a database of the porosity and density of Wisconsin aquifers and aquitards using core samples collected from drill holes around the state. We provide high-resolution images of the core taken from different depths and a table listing: formation name, lithology, depth, porosity, and density data for thirty (30) samples from six (6) different locations.

Go to: www.WisconsinGeologicalSurvey.org and click on our top "Story from the Field" for more information.



Join your fellow groundwater professionals in Las Vegas for the 2010 NGWA Ground Water Expo and Annual Meeting taking place December 7-10!

Conference: December 7-10 — Exhibits: December 8-9

It's here at the annual NGWA Expo that groundwater professionals from all sectors of the industry — water well contractors/drillers, scientists, engineers, manufacturers, and suppliers — gather in one setting to work together to advance today's, and tomorrow's, groundwater industry.

The NGWA Expo, the industry's leading annual event, offers cutting-edge educational programming, an exhibit hall with the latest in equipment and technological innovations, a multitude of networking opportunities, and much, much more.



Education Committee

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Ground Water Sand Model Reservations

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Get Yourself Published

We are looking for articles for future editions of the WGWA newsletter. Articles should be 1 to 8 pages in length and can include photographs and graphics. Articles should be generally technical in nature focusing on groundwater or environmental topics, but non-commercial or political. *With prior Board approval, members can be reimbursed course or conference attendance fees for writing a summary of training received for the newsletter.*