



**GREAT LAKES RESEARCH CONSORTIUM**  
RESEARCH, EDUCATION AND OUTREACH ON BEHALF  
OF OUR GREAT LAKES



## SEPTEMBER 2010 NEWSLETTER

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#### GLRC News

**3<sup>rd</sup> Annual Southwick Beach Cleanup:** The GLRC held its 3<sup>rd</sup> Annual Beach Cleanup at Southwick Beach Park on September 25<sup>th</sup>, 2010, as part of the American Littoral Society's New York State Beach Cleanup. 23 volunteers braved a windy day to help clean up a mile and a half of Lake Ontario's shoreline. We'd like to thank all of our volunteers for a great event!

#### **Invitation to Join the International Association of Great Lakes Research (IAGLR)**

We invite you to join IAGLR ! IAGLR just completed its most successful annual meeting in Toronto and we are looking forward to our next meeting in Duluth, Minnesota in May, 2011. At the Toronto meeting, over ten presentations were made by Great Lakes Research Consortium students and faculty from SUNY ESF, The College at Brockport, Buffalo State College, Cornell University, Clarkson University, University at Buffalo, and Niagara University to name but a few.

There are many services and benefits to membership in IAGLR including an annual conference, reduced conference costs, a newsletter, undergraduate and graduate fellowships and scholarships, web site (<http://www.iaglr.org/>) with a job board, and of course, the Journal of Great Lakes Research. Published quarterly, the Journal of Great Lakes Research is multidisciplinary in its coverage, publishing manuscripts on a range of theoretical and applied topics in the fields of biology, chemistry, physics and geology of the large lakes of the world and their watersheds. Recent "special editions" include "Potential Climate Impacts on Chicago and Midwest" and "Watershed Management and Nearshore Lake Water Quality: The Conesus Lake Watershed Study". Our affiliation with Elsevier

has increased visibility of the Journal of Great Lakes Research internationally, and the impact factor of the journal has increased in the past two years. Reduced memberships rates are available for "Graduate Students and "Young Professionals".

Application materials may be obtained at <http://www.iaglr.org/members/newappform.php>

**2010-2011 Seminar Series:** The list of GLRC seminar offerings for 2010-2011 is now available on the GLRC website. The GLRC will help to make contact between host institution and invited speakers. We can also cover travel expenses and publicize scheduled lectures on our website. If you are interested in scheduling a seminar for this academic year, please contact Heather at [glrc@esf.edu](mailto:glrc@esf.edu).

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## Great Lakes News:

### [Great Lakes nuclear shipments topic of hearing](#)

A Canadian Nuclear Safety Commission hearing begins September 28<sup>th</sup> into an Ontario nuclear power plant's request for permission to ship radioactive waste through the Great Lakes and across the Atlantic Ocean for processing in Sweden. However, [activists have opposed the hearing](#) and warn that allowing the shipment of low-level radioactive generators across the Great Lakes sets a dangerous precedent that could open the way for more nuclear waste on Canadian waterways.

### [Enbridge pipeline running again after Marshall spill](#)

The pipeline that burst near Marshall in July is up and running again, two months after the infamous spill. Its owner, Enbridge Energy Partners of Houston, also met a deadline Monday for cleaning up oily surfaces along Talmadge Creek and the Kalamazoo River, although a complete cleanup of oil that soaked into soils and sank below the water will take months. While it is dwarfed by the gulf oil leak, this spill and others have drawn [criticism](#) from citizens and public-interest groups.

### [Duluth getting millions for sewage](#)

The city of Duluth and the Western Lake Superior Sanitary District got several multi-million dollar grants and loans for wastewater infrastructure. Officials say the money will keep wastewater projects preventing sewage running into Lake Superior on track.

### [Landmark water quality rules approved](#)

As summer comes to a close, Wisconsin is headed for cleaner waters come Wednesday, Sept. 8., thanks to innovation and cooperation from unlikely groups. That day marks the passage of a set of state rules, NR 102 and 217 (the "phosphorus rules") and NR 151, to address algae-forming phosphorus pollution in Wisconsin waterways. [Michigan has just adopted similar measures.](#)

### [Feds give Milwaukee \\$4M to improve creeks and rivers](#)

The White House announced that Milwaukee is getting more than \$4M to help improve the creeks and river that feed Lake Michigan. The money is part of the Great Lakes Restoration Grants, a \$475M project to improve the environment of all the great lakes. In Milwaukee, the money is being used to remove concrete that lines the Kinnickinnic River.

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## Events:

### **2010 Great Lakes Commission Annual Meeting**

Toronto, ON

October 7-8, 2010

<http://www.glc.org/meeting/>

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### **Michigan Alliance for Environmental and Outdoor Education Conference**

Pellston, MI

October 8-10, 2010

Explore a variety of monitoring programs that your students can participate in —from invasive species mapping, birdfeeder watch, lake and stream water quality, monitoring, vernal pond, biodiversity, and much more. In addition, gather some great ideas for involving students in Great Lakes stewardship activities: energy audits, low income weatherization projects, composting, gardening, greening your school, and lots more! See [conference flier](#) for more information.

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### **Water Utility Conservation Rates in the Great Lakes: An Interactive Workshop**

Ann Arbor, MI; Racine, WI; Buffalo, NY

October 12, 2010; November 8, 2010; November 10, 2010

Three separate workshops are being run in three locations. These workshops are funded by a grant from the Great Lakes Protection Fund, in order to understand the practice of water utility conservation rates in the Great Lakes Basin, to promote their use, and to identify implementation barriers. The project is led by the Great Lakes Commission with support from a number of partner organizations. Visit their [website](#) for more information

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### **2010 Lake Watershed Conference - It All Flows Downhill**

Friday, October 22, 2010

**Location:** Hamilton College - Fillius Events Center and Tolls Pavilion, Clinton, NY

**Time:** 8:30 am until 4:00 pm

**Sponsors:** Central New York Regional Planning and Development Board (CNY RPDB), Hamilton College, and Herkimer-Oneida Counties Comprehensive Planning Program (HOCCPP)

**Audience:** Local, county, regional and state agencies; city, town and village officials; environmental organizations; lake associations; state and local elected representatives; engineering and consulting firms; colleges and universities.

**Summary:** The conference agenda currently being developed will present an array of lake, stream and watershed issues associated with topics such as: climate impacts; nutrient cycling; funding initiatives and funding alternatives; invasive species; aquifers and small municipal water systems; and more.

*For additional information contact the CNY RPDB at 315-422-8276 ext. 206*

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### **Internship & Job Opportunities:**

#### **Assistant Professor of Natural and Applied Sciences (Aquatic Ecology/Biology)**

**University of Wisconsin – Green Bay**

**Green Bay, WI**

**Deadline:** November 1, 2010

The Department of Natural and Applied Sciences at the University of Wisconsin-Green Bay seeks a tenure track faculty position with expertise in Aquatic Ecology. Essential Job Functions: Teach introductory and upper-level courses in Environmental Science and Biology, including an upper-level course in aquatic ecology and a core course in the Environmental Science major. Other course assignments may include a graduate course in the applicant's area of expertise and an interdisciplinary course for non-science majors. The successful candidate is expected to

perform scholarly activities consistent with rank, advise students, perform institutional service, and participate actively in the department of Natural and Applied Sciences and in the Environmental Science and Policy graduate program. Visit [job posting](#) for more information.

**JGLAR Editor**  
**International Association for Great Lakes Research**  
**Ann Arbor, MI**

**Deadline:** Until Filled

The International Association of Great Lakes Research seeks a dynamic, well-organized scientist with high editorial standards and strong leadership skills to serve as Editor of the Journal of Great Lakes Research. Visit [posting](#) for more information.

**Asian Carp Post-Doc**  
**Michigan State University**  
**East Lansing, MI**

**Deadline:** Until Filled

The Department of Fisheries and Wildlife and the Quantitative Fisheries Center at Michigan State University seeks a research associate whose primary role will be to develop Asian carp population models related to a proposed fishery-induced population reduction experiment in the Illinois River. The associate will be expected to develop models capable of evaluating population responses to removals and thus the potential for commercial fishing methods to drive Asian carps to local functional extinction. The associate will also work with others at the QFC on several quantitative fisheries projects involving stock assessment, harvest policy analysis, simulation modeling, and/or the development of training courses in quantitative fisheries methods. Salary is \$45,000 per year plus benefits. Initial appointment will be for up to two years with an annual renewal and the possibility of extensions. Visit [posting](#) for more information.

**MSc or PhD Project in Great Lakes Food Web Ecology**  
**Trent University, Ontario Ministry of Natural Resources**  
**Peterborough, ON, Canada**

**Deadline:** Until Filled

An MSc or PhD position is available at Trent University (Ontario, Canada) in collaboration with the Ontario Ministry of Natural Resources (OMNR) as part of a broader study to examine the impacts of invasive species on Great Lakes food webs. Preferable start date for the graduate student is January 2011. The project is being funded by a generous grant from the Great Lakes Fishery Commission. Thesis topics within this project can be developed according to the student's background and interests and could include, for example, time series or comparative population analysis of lake whitefish growth and/or feeding ecology, examining the redirection of energy pathways in response to dreissenid mussels, historical reconstruction of nutrient input and productivity through the analysis of sediment core samples, and the response of benthic invertebrate communities to ecosystem change. The project can involve field and/or laboratory work depending on the thesis topic. Funding is available for travel to international conferences. Please visit the [job posting](#) for more information.

**Graduate Research Fellowship**  
**Old Woman Creek National Estuarine Research Reserve**  
**Huron, OH**

**Deadline:** Until Filled

The Old Woman Creek National Estuarine Research Reserve (NERR) has announced that one research fellowship in coastal and estuarine sciences will be available beginning in the summer of 2011 for graduate students who are enrolled in full-time masters or doctoral programs at accredited U.S. universities. The fellowships are funded through the NERR Graduate Research Fellowship Program, supported by the National Oceanic and Atmospheric Administration (NOAA). See [website](#) for more information.

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