



June 4, 2009

GLOS engages new users, members *by Jennifer Read, GLOS Executive Director*

GLOS's emphasis on outreach to the Great Lakes user community and response to identified needs was front and center at its annual meeting April 6-7 in Ann Arbor, Michigan. GLOS members (see below), researchers, representatives of local, state, federal and binational organizations, and Board members came together to discuss progress on implementing the Great Lakes Observing System. It was clear from the presentations that GLOS's emphasis on working with users is bearing fruit, whether that is the user community in the Lake Huron to Lake Erie corridor where GLOS is working closely with water plant operators, search and rescue, and spill response or with municipal water plants along the Lake Michigan and Lake Erie coasts where our pilot near-shore buoy network is providing information that can be used to support water quality decisions.

During the meeting, the members also elected a Board of Directors for 2009-10. There were two retirements from the Board in 2009 -- Dr. Gerry Galloway and Dr. Al Beeton, both founding board members. During the year, the Board appointed two interim members, G. Tracy Mehan III and Mark Burrows and it was pleased to have both unanimously approved by the members at the 2009 annual meeting. Mehan joins the Board with over 20 years of experience in the water and environment nexus, most recently serving at U.S. EPA assistant administrator for water (2001-03) and director of Michigan DEQ's Office of the Great Lakes (1993-2001). Currently he is a principal with the Cadmus Group consulting on water science, technology and policy. Burrows brings experience both as a member of the International Joint Commission secretariat providing support to the Council of Great Lakes Research Managers and the Great Lakes Association of Science Ships as well as more than 20 years with the U.S. Coast Guard addressing environmental protection. Board executive members for 2009-10 are: Bill Werick, chair; Frank Kudrna, vice chair; Tracy Mehan, secretary; Mark Burrows, treasurer.



L. to R.: Mark Burrows, Nelson Thomas, Frank Kudrna, Bill Werick, G. Tracy Mehan III, Gail Krantzberg, Harvey Shear, Executive Director Jennifer Read, Dale Phenicie.

Members

The GLOS Regional Association is pleased to welcome our new members:

Cooperative Institute for Limnology and Ecosystem Research

Great Lakes Commission

Great Lakes WATER Institute, Univ. of Wisconsin-Milwaukee

Gregory A.D.

Illinois International Port District

International Joint Commission

Lake Carriers' Association

New York Great Lakes Research Consortium

New York State Department of Environmental Conservation

Dmitry Beletsky

Mark Burrows

Gail Krantzberg

Frank Kudrna

Margaret Lansing

Dale K. Phenicie

Steve Ruberg

David J. Schwab

Harvey Shear

William Werick

Interested agencies and organizations are encouraged to contact Jennifer Read, executive director, for membership materials and application at jenread@umich.edu, 734.936.3622.

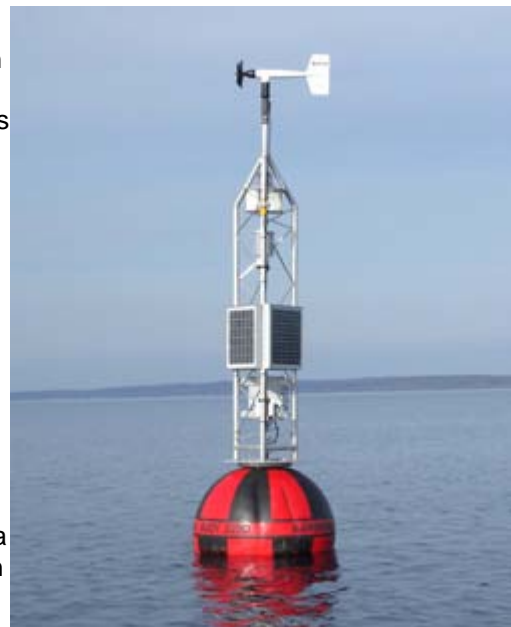
Dye release will test GLOS models, ballast water movement

This July GLOS is partnering with the Canadian Department of Fisheries and Oceans as well as researchers from the University of Toronto, Dalhousie University (Halifax, NS), part of the Canadian Aquatic Invasive Species Network, and NOAA's Great Lakes Environmental Research Laboratory (GLERL) to release dye in the St. Clair River. The purpose is to quantify how rapidly dye dilutes and moves downstream and study results will support two objectives: 1) provide data to calibrate the Huron Erie Connecting Waterways Forecasting System (HECWFS) a 3-D hydrodynamic model developed by Dr. David Schwab and Dr. Eric Anderson with GLERL; and 2) use results to evaluate the potential for new species introductions via ballast water. Both objectives advance activities important to GLOS focus areas including improving the safety and efficiency of maritime operations (including search and rescue), reducing public health risks, and protecting and restoring coastal ecosystems more effectively.

GLOS and our Canadian partners are working together to notify permitting and spill-response agencies, municipalities, tribes and first nations, industries and members of the public along the St. Clair River about the experiment's purpose and potential impacts and provide advance warning in order to avoid alarming the public. Additional collaborators include local U.S. and Canadian Coast Guard offices as well as other local, state/provincial and federal agencies. Contact: Jennifer Read, jenread@umich.edu, 734.936.3622

Upper Great Lakes Observing System goes live!

Wind and wave conditions on the Grand Traverse Bay are just a mouse click away! The University of Michigan's Marine Hydrodynamics Laboratories' (MHL) Upper Great Lakes Observing System (U-GLOS) is now transmitting real-time data for display on your computer with updates every 10 minutes on the MHL website



www.engin.umich.edu/dept/name/facilities/mhl/projects/U-GLOS/. The data will also be delivered on the GLOS web site. This season U-GLOS has expanded with a new buoy partially funded by GLOS. The new buoy, U-GLOS Station 003, was designed and fabricated by the MHL and is transmitting data from a location north of Old Mission Point, allowing for a more complete assessment of the conditions on the bay.

This new buoy is just the latest addition to U-GLOS, which was established in 2005 by the MHL. The observing system has been maintained and expanded by the MHL with the support of the local communities as well as through strong partnerships with Northwestern Michigan College Water Studies Institute, DTE, Alliance for Coastal Technologies, Michigan Sea Grant, and the Grand Traverse Band of Ottawa and Chippewa Indians. This summer will see two new additions to U-GLOS. Late summer, a buoy will be deployed off Old Mission Point with a thermistor string to measure the water temperature at different levels through the water column. This buoy is funded through a partnership with Northwestern Michigan College by the Grand Traverse Band of Ottawa and Chippewa Indians. The second addition will expand U-GLOS into Little Traverse Bay, where, using funds provided by GLOS, the MHL will deploy an environmental monitoring buoy. This will be the first monitoring buoy in this area and its deployment is made possible due to additional GLOS support and the generous support of the local communities and businesses of Little Traverse Bay.

Upcoming Events

- **Breakout session for GLOS/GIS at the Great Lakes Sea Grant Network Meeting**
June 14, 2009
Alexandria Bay, New York
Contact: Dave Hart (dhart@aquawisc.edu, 608.262.6515)
- **GLOS Mapping Workshop**
June 18, 2009
Queen's University, Kingston, Ontario
Contact: Dave Hart (dhart@aquawisc.edu, 608.262.6515)
- **[Integrated Ocean Observing System Regional Workshop](#)**
Co-sponsored by NOAA IOOS Program Office and the National Federation of Regional Associations for Coastal and Ocean Observing
August 24-27, 2009
Seattle, Washington
Contact: Josie Quintrell (jquintrell@suscom-maine.net, 207.725.8143)
- **[IOOS/OOI - US IOOS track at Oceans '09 Conference](#)**
October 26-29, 2009
Biloxi, Mississippi
Contact: Laurie Jugan (info@oceans09mtsieebiloxi.org)

This quarterly newsletter is prepared by GLOS as a service to its members, partners and the broader Great Lakes community. Please refer to www.glos.us for more information on GLOS products, activities and milestones.

Great Lakes Observing System
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A GLOS Lake Views archive can be found at www.glos.us/updates