



Great Lakes Maritime Research Institute

A University of Wisconsin - Superior and University of Minnesota Duluth Consortium

Co-Directors:
Richard D. Stewart
James P. Riehl

July 2011

Quarterly Update

(April - June 2011)

Mark Your Calendars

Plans are under way for the GLMRI Fall Meetings. The Advisory Board meeting and the Affiliates meetings will be held at the Radisson Hotel in Duluth, MN on Thursday and Friday, 22-23 September. Please contact Jeannie Hartwick for meeting details.
jhartwic@d.umn.edu or (218) 726-8651



Teachers Explore Great Lakes Maritime Transportation

By **Joan Chadde**, Education Program Coordinator for the Michigan Technological University's Center for Science & Environmental Outreach

Twenty teachers from Michigan, Wisconsin, and Ohio explored the historical, economical and environmental aspects of Great Lakes shipping in beautiful Door County, Wisconsin, from June 20-24, 2011. Participants heard about the challenges of managing the Port of Green Bay from Director Chuck Larscheid, visited the Green Bay NOAA weather station to learn about marine weather forecasting, and toured the Sturgeon Bay shipyard. Visits to lighthouses, the Wisconsin and Door County Maritime Museums and a variety of speakers and hands-on maritime activities rounded out the week's schedule.

Captain Rick Brown, an instructor at The Maritime Academy of Toledo, described the diverse job opportunities available in the maritime field. The teachers enjoyed meeting the "coasties" at the U.S. Coast Guard Station in Sturgeon Bay as they shared their passion for ensuring human safety and environmental protection on the Great Lakes. The variety of presenters, from maritime architects and engineers to maritime historians and educators, provided a broad view of the many related career opportunities.

This was the sixth Great Lakes Maritime Teachers' Summer Institute held, with past institutes in Duluth, Michigan's Upper Peninsula, and Toledo, Ohio. This summer's teacher institutes were funded jointly with grants from the Great Lakes Maritime Research Institute and from the Center for Freight and Infrastructure Research and Education at the University of Wisconsin-Madison.



Congratulations to Congressman James L. Oberstar

On May 24, 2011, Interlake Steamship Company honored Congressman James L. Oberstar in a ceremony christening an ore boat to commemorate his extensive service to the Great Lakes. The ceremony was held in Duluth. Mr. Mark Barker, the President of ISC, presided over the ceremony. GLMRI staff members were honored to be invited to this distinguished event.

University of Toledo Continues to Expand the Great Lakes Maritime Data Clearinghouse

The University of Toledo research team, led by Dr. Peter Lindquist, progressed with the new *DataViewer* application. The basic framework has been developed and is designed to be user-centered and will display maps of the users' choice. This interface is being built from the ground up to ensure it is simplistic for the basic applications, yet robust with analytical capabilities for advanced users.

Data collection continued to finalize the updates to the data repository for Business Patterns, Bureau of Economic Analysis (BEA), Gross Domestic Product (GDP), and Quarterly Census of Employment and Wages (QCEW). GDP matrices were created and organized by Industry at the regional and state levels (over 230 files created). Business Patterns data was downloaded and organized into Access tables. Moreover, a continued effort was spent on connecting an intermodal network for modeling movements along the waterway, railway and highway to ultimately forecast flows and simulate movements through intermodal connections.

GLMRI Research Included in IAGLR's Annual Freshwater Conference

GLMRI provided sponsorship support to the 54th Annual Conference for the International Association of Great Lakes Researchers. This year's conference was held in Duluth, MN from May 30 – June 3. This is the first time that the conference has been held on Lake Superior. Several presentations throughout the agenda highlighted GLMRI research projects.

Dr. Randall Hicks' GLMRI research findings on the accelerated corrosive loss on port transportation infrastructure were presented by graduate students Jon Bostrom and Ryan Oster. Dr. Hicks chaired the panel on Microbial Issues.

Matthew TenyEck, PhD candidate working with Dr. Donn Branstrator, presented the findings on their project, Testing Relationships Between Propagule Pressure and Establishment Success of a Non-Native Species, *Daphnia magna*.

Report Contact:

Carol Wolosz
GLMRI Executive Director
cwolosz@d.umn.edu
(218) 726-7446
www.glmri.org

Research Highlights

Key Outreach, Events, Presentations, Meetings

- Carol Wolosz and Dr. Stewart tag-teamed on classroom presentations to the graduate students in University of Wisconsin's Colloquium for Transportation Management and Policy at the UW-Madison campus. Carol presented an overview of GLMRI research projects and focus areas and discussed current issues impacting Great Lakes shipping. The next week, Dr. Stewart provided a lesson in intermodal transportation, shipping and maritime commerce. Apr 1 & 8.
- Drs. Ray Hutchison and John Stoll, GLMRI researchers from the University of Wisconsin-Green Bay presented an updated on their GLMRI project titled *The Great Lakes Marine Container Feasibility Study* at the 2011 Port of Green Bay Symposium. Apr 18.
- Carol Wolosz participated at the spring meeting of the Ship Operations Cooperative Program. Carol is the co-chair of the Maritime Primary and Secondary Education Coalition, and led the panel of education speakers at the meeting. Carol is also a member on the SOCP Board of Operations. Dania Beach, FL. Apr 20-21.
- Dr. Stewart and Carol Wolosz met with Dr. Junemann from MARAD to discuss current research. Superior, WI. May 16.
- Samir Dhar from the University of Toledo maritime data project team participated in the Federal/Industry Logistics Standardization meeting held in Tampa, FL. May 17-18.
- Dr. Stewart visited Bay Shipbuilding to survey the old engines from the M/V Gott, as part of the EPA Clean Diesel grant. Sturgeon Bay, WI. May 20.
- Dr. Stewart attended the service to commemorate National Maritime Day, with keynote speaker and GLMRI Advisory Board member Mr. Jim Weakley, President of the Lake Carriers Association. Duluth, MN. May 23.
- Dr. Stewart and Dr. Teresa Adams attended the ABS, Consulting Team meeting for the MARAD-Great Lakes Study in Washington, D.C. to discuss items relating to the fleet and Benefit Cost analysis. May 26.
- Dr. Stewart met with MARAD and St. Lawrence Seaway Development Corp. officials in Washington, D.C. May 27.
- Dr. Stewart had an introductory meeting with Congressman Sean Duffy (WI District 7) in Superior, WI. Jun 6.
- Dr. Stewart successfully completed ☺ the MARAD Firefighting school in Toledo, OH. Jun 13-17.
- Carol Wolosz attended the The Great Lakes Maritime Academy's Training Vessel the State of Michigan reception for their Board of Visitors on their Duluth port call. Jun 15.
- Dr. Stewart met with Superintendent Renee Marazon and Capt. Rick Brown of The Maritime Academy of Toledo. Jun 17.



The University of Wisconsin-Superior and the University of Minnesota Duluth are equal opportunity educators and employers