



Great Lakes Maritime Research Institute

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

Quarterly Update

January 2008

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

GLMRI Receives New Appropriation

Included in the FY 08 Omnibus Appropriation signed in December, GLMRI was funded for an additional year of research. We are looking to release a Request for Proposals (RFP) in April to the consortium and affiliate universities, anticipating research projects to be awarded/commence by September 2008. The GLMRI program office is working with MARAD to set up the funding for this new increment.

University of Toledo Hosts 3rd GLMRI Data Workshop

In October, Dr. Lindquist and Dr. Vonderembse presented the updates on the Great Lakes Maritime Information Clearinghouse being built and developed through the University of Toledo's Center for Geographic Information Science and Applied Geographics. The workshop was attended by key stakeholders, and provided an opportunity for information exchange and feedback to develop the priorities for the database. A highlight of the workshop was a presentation from Dr. David Singer on his GLMRI research on the Ship Building/Maintenance Capabilities on the Great Lakes. Dr. Singer is a professor Naval Architecture and Marine Engineering at the University of Michigan.

Appointment to MTSNAC

In October, GLMRI was appointed by the Secretary of the Department of Transportation, Mary Peters, to a 3-year term on the Marine Transportation System National Advisory Council. The council was established in 2000 to advise the Secretary on matters relating to the Marine Transportation System – waterways, ports, and their intermodal connections. It is comprised of 30 representatives for transportation-related organizations.

Grad Student Receives Award

Samir Dhar, was selected as the 2007 Outstanding Student of the Year, and was recognized by the Council of University Transportation Centers at the January Transportation Research Board meetings. Samir is the primary programmer for the University of Toledo's Great Lakes Maritime Data Clearinghouse. Congratulations Samir!

The FY 2007 Annual Reports were mailed in early January. If you haven't received your copy (paper or CD), please let us know! Also, the report is available on-line at

www.glmri.org

Check out the new web page design!

FY 2008 Research Project Highlights

GLMRI K-12 Education Program (Michigan Technological University): In collaboration with the Great Lakes Shipwreck Historical Society, Ms. Joan Chadde hosted a 2-day curriculum-writing workshop to develop pre/post field trip classroom lessons/curricula for teachers to integrate present-day Great Lakes shipping topics at the Whitefish Pt Lighthouse & Shipwreck Museum Oct 25-26,2007.

Dredged Material Re-Use Project (University of Minnesota Duluth): Mr. James Skurla provided an update on the cost analysis project that he and Dr. Rodger Brannon are preparing to the Duluth-Superior Harbor Technical Advisory Committee on December 5, 2007. Their project entails identifying material specifications for the reuse of dredged materials, along with analyzing the market and sales history for determining a breakeven point and other economic considerations.

Development of a Geographic Intermodal Freight Model for the Great Lakes (Rochester Institute of Technology): Dr. James Winebrake is leading the development of a GIS-based model that can be used for route analysis for origin and destination points in and round the Great Lakes, and evaluate the intermodal freight transport path between those points. They have developed an algorithm that allows the creation of an intermodal network using a "hub-and-spoke" approach and are in the process of validating their network.

GLMRI Participation Key Outreach Events/Presentations/Meetings October – December 2007

- Speaker at the Women on the Water Conference, Oct 19-20, Traverse City, MI
- International Symposium and Workshop on Global Supply Chain, Intermodal Transportation and Logistics, Oct 25-26, Toledo, OH
- GLMRI Data Workshop III: From Data to Markets to Shipping Opportunities, Oct 26, Toledo, OH
- Speaker at Making a Great Lake Superior Conference, Oct 29-30, Duluth, MN (Presentation topic: Great Lakes Maritime Commerce and Global Warming: Dredging Impacts)
- Gales of November, Nov 2-3, Duluth, MN
- HWY H2O Conference, Nov 7-8, Toronto, Canada
- Center for Freight and Infrastructure Research and Education (CFIRE) meeting, Nov 15-16, Madison , WI (presented maritime topics for research)
- Keynote Speaker at Center for Transportation Studies 11th Annual Freight and Logistics Conference, Nov 30, Minneapolis (Presentation topic: The Only Constant is Change: Transportation Changes in the Upper Midwest)
- Speaker at Duluth/Superior Propeller Club, Dec 7, Superior, WI (Presentation topic: Saimaa Canal)



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