



Great Lakes Maritime Research Institute

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

Quarterly Update

July 2007

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

GLMRI and Finland Research Centre Build Research Collaboration

In June, Dr. Stewart traveled to Finland to meet with researchers at the VTT Technical Research Centre of Finland. He spent time with the research center to exchange ideas and to consider joint research projects. GLMRI is working to bring Finnish researchers to the US to discuss their research and move toward developing a cooperative research exchange program.

Dr. Stewart was also able to tour many of the ports and marine transportation facilities on his visit and learn about their transportation initiatives.

GLMA Spring 2007 Training Voyage

The Great Lakes Maritime Academy's (GLMA) training vessel, *State of Michigan*, made a port call to the Twin Ports of Duluth/Superior on May 21-22, 2007, as part of GLMA's Spring 2007 Training Voyage. GLMRI hosted a reception aboard the training vessel on Monday night, May 21. Coinciding with GLMRI research on alternative fuel usage by Great Lakes marine vessels, the *State of Michigan* took on a bio-diesel fuel mix at the Murphy Oil terminal in Duluth. GLMRI Assistant Director Carol Wolosz and Associate Researcher Stacey Carlson joined the *State of Michigan* on their voyage from Duluth to Sault Ste. Marie, MI.

FY 2008 Research Project Selections

As of June 4, 2007, GLMRI had received 20 proposals for consideration from 9 of the 11 consortium and affiliate universities for a total request of over \$1.3 million. The proposal review process is being finalized with the expected award notifications to be released in mid-August.

Key Planning Dates

MTU GL Teachers' Workshop
July 29 - August 3, 2007

Advisory Board Meeting
September 27, 2007
Lake Superior Marine Museum

Affiliate University Conference
September 28, 2007
Lake Superior Marine Museum

GLMRI Data Workshop #3
October 24, 2007 (TENTATIVE)
University of Toledo

International Symposium and Workshop on
Global Supply Chain, Intermodal
Transportation and Logistics, sponsored the
Intermodal Transportation Institute at the
University of Toledo and the International
Cargo Handling Association (ICHCA)
October 25-26, 2007
University of Toledo

Research Project Highlights

- * Dr. Randall Hicks from the University of Minnesota Duluth is working his DNA analysis of the samples of corroded and uncorroded surfaces from steel structures in the Duluth-Superior harbor in support of the USACE study looking at the fresh water corrosion phenomenon that is threatening to destroy harbor structures and bulkheads.
- * Dr. David Singer from the University of Michigan and his team of researchers are visiting shipyards in the Great Lakes region this summer to develop a reference database of ship repair and shipbuilding capabilities.
- * Ms. Joan Chadde from Michigan Technological University is doing her final prep and coordination for the upcoming Great Lakes Maritime Transportation Institute scheduled for July 29 – August 3 in the Duluth-Superior area. The summer program is focused toward K-12 educators and will provide the participating teachers resources for classroom instruction.
- * Dr. Peter Lindquist from the University of Toledo and his team of researchers continue to build the maritime database. They are currently working with USACE and other supporting organizations to define data collection protocols and the data standards for inclusion in the information delivery system.

GLMRI Participation Outreach Events/Presentations/Meetings April - June 2007

- UW-Superior hosted a seminar on Trade, Transportation and Asia-Pacific Gateway and Corridor, Superior, WI. 20 April
- Carol Wolosz attended the USACE Stakeholders Meeting, Cleveland, OH. 3 April
- Carol Wolosz presented a GLMRI update to MTS/NAC, Chicago, IL. 8-10 May
- Dr. Stewart presented a paper on options available to establish more stringent standards of ballast water to the TRB Committee on the St. Lawrence Seaway, Toronto, ON. 6-7 May
- Stacey Carlson attended the Annual Harbor Safety Committee Conference, Chicago, IL. 9-11 May
- Stacey Carlson participated in the River Quest educational program coordinated by the Duluth Seaway Port Authority, Duluth, MN. 16-18 May
- Dr. Stewart, Dr. Vonderembse (U/Toledo), Dr. Lindquist (U/Toledo) and Ms. Joan Chadde (Michigan Tech) presented their research at the International Association of Great Lakes Research, State College, PA. 28-31 May.
- Dr. Stewart presented an update on the Great Lakes Observing System to the Duluth/Superior Harbor Technical Advisory Committee (HTAC), Superior, WI. 6 June



Contact Information:
Carol Wolosz
Assistant Director
cwolosz@d.umn.edu
(218) 726-7446
www.glmri.org

