Shipping on the Great Lakes ~ K-8 Teacher Workshop
at Thunder Bay National Marine Sanctuary ~ Alpena, MI
6-9 pm, Thursday, Oct. 2 and 8:30-3:30 pm, Friday, Oct. 3
Please register by: Friday, Sept. 26
NO CHARGE ~ Includes Thursday dinner, Friday lunch, and classroom materials

About the Workshop
Explore Great Lakes shipping with guest presenters, hands-on activities, and guided tours of shipping facilities at this interdisciplinary workshop. Discover the fascinating history and current shipping operations in your own backyard! Receive ready-to-go lessons and materials for your classroom. Become acquainted with the NEW Great Lakes Maritime Transportation “Treasure Chest” available for check-out from the AMA-ESD and Thunder Bay National Marine Sanctuary.

Agenda (tentative)
• Shipping on the Great Lakes by Katie Ferguson, Great Lakes Fleet sales, marketing & traffic analyst.
• Explore the Great Lakes Maritime Transportation “Treasure Chest” activities.
• Life Aboard Great Lake Freighters presentation by a ship captain
• Tour of local ports and shipping facilities

Registration
Joan Chadde, Workshop Coordinator
Western U.P. Center for Science, Math & Environmental Education
105 Dillman Hall - Michigan Technological University
1400 Townsend Dr., Houghton, MI 49931
Tel: 906-487-3341 Email: jchadde@mtu.edu
Fax: 906-487-1620; website: http://wupcenter.mtu.edu

Credit
One SB-CEU (no cost), one Michigan Tech graduate credit (full scholarships provided) or one NMU ED 989 credit available (additional cost). Participants who write a lesson for the Thunder Bay NMS pre/post field trip guide will receive $100.

Cost
FREE. Includes Thursday dinner, Friday lunch, tours, and classroom materials. Ten educators may stay at the facility at no charge. Contact Cathy Green to reserve space: 989-356-8805 or cathy.green@noaa.gov

Location
Thunder Bay National Marine Sanctuary
500 West Fletcher St., Alpena, MI 49707
Tel: 989-356-8805 Web: www.thunderbay.noaa.gov

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Co-Sponsors and contributors include:
• Thunder Bay National Marine Sanctuary • Alpena Regional Educational Services Agency • Great Lakes Fleet
• Great Lakes Maritime Research Institute at University of WI-Superior and University of MN Duluth
• Western U.P. for Science, Mathematics and Environmental Education • Michigan Technological University