



## 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](mailto: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](mailto: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](http://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