



Cathy Green  
Education Coordinator  
Thunder Bay National Marine Sanctuary

Community Based Education Opportunities  
2007 NE MI Great Lakes Aquatic Education  
Networking Meeting



Fostering School and Community Partnerships  
Toward Great Lakes Stewardship Through:

- Great Lakes Maritime Heritage Center and Trail Exhibits and Programming
- Field Schools and Workshops
- Distance-learning & Telepresence
- Lesson Plans and Activities
- ROV Building Workshops and Competitions
- Special events: Thunder Bay Maritime Festival
- Thunder Bay Community Boat Building Program
- Artistic endeavors - community marine art





Making Shipwrecks Accessible Through Education and Outreach



NOAA Thunder Bay  
National Marine Sanctuary:  
Great Lakes Maritime Heritage  
Center



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Alpena, Michigan  
Thunder Bay River  
Lake Huron  
Old Fletcher Paper Company



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### Great Lakes Maritime Heritage Trail



Shoreside Historical Markers  
Ideas: Research and help design signs for your area: US23 corridor



9,000 square feet of exhibit space featuring Great Lakes maritime history, shipwrecks, nautical archaeology, and NOAA science  
Ideas: Student temporary and rotating exhibits, community and student art exhibitions, student docent core





**1** **EXHIBIT EXHIBITS OVERVIEW**

**2** **OVERVIEW OF MAIN EXHIBIT GALLERY FROM MEZZANINE**

**X3**

**GREAT LAKES MARITIME HERITAGE CENTER**  
THUNDER BAY NATIONAL MARINE SANCTUARY

Gift Shop Studio

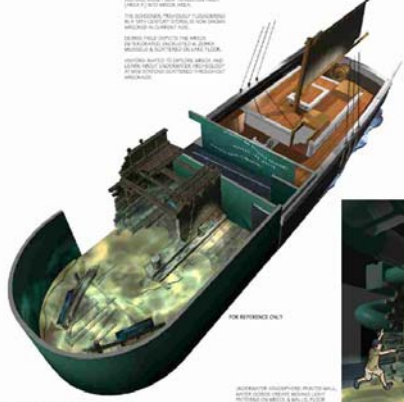

Project Name & Number  
GALHC - 3001

Drawing Name  
Exhibit Overview

Designer  
Clay Park & Travis Wood

Date  
August 28, 2017

Scale  
3/8" = 1'

**1** **SHIPWRECK/DEBRIS FIELD OVERVIEW**

**2** **SHIPWRECK/DEBRIS FIELD PERSPECTIVE VIEW**

**6.1**

**GREAT LAKES MARITIME HERITAGE CENTER**  
THUNDER BAY NATIONAL MARINE SANCTUARY

Gift Shop Studio

Project Name & Number  
GALHC - 3001

Drawing Name  
Debris Field

Designer  
Clay Park & Travis Wood

Date  
August 28, 2017

Scale  
3/8" = 1'

FOR REFERENCE ONLY

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### Making Shipwrecks Accessible Through Education and Outreach



Ideas: Conservation Projects, Artifact Displays, Oral History Projects, Thunder Bay Research Collection Projects



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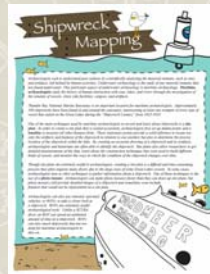
### Making Shipwrecks Accessible Through Education and Outreach



Field Experiences and Workshops



Ideas: Students teaching students  
Results of surveys for public display and info




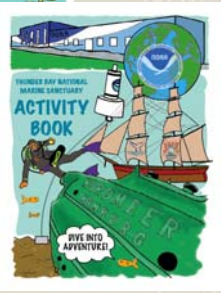
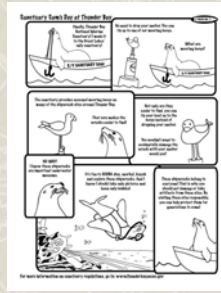


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## Lesson Plans And Activities

Ideas: Add to our lessons and activities - online and print

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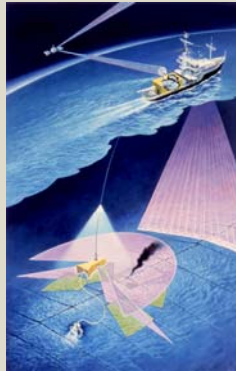
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## Distance Learning Studio Education Space




Ideas: Use our studio to teach other classrooms

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Distance Learning for the Next Generation: Telepresence

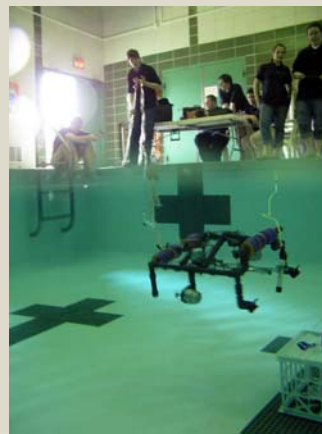


OCEANSLIVE

Ideas: help design activities for 2009 Thunder Bay expedition, student "Aquanauts"



MATE ROV Building Competition High School Students Great Lakes Regional - Thunder Bay NMS





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Thunder Bay Maritime Festival  
Ideas: kids activities, Displays, volunteer



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Thunder Bay Community Boat Building Program  
Ideas: put together your own group, build boat for raffle, partner with groups like Tendercare, Boys and Girls Club



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Community Marine Art Projects:

Student art shows  
Wyland Ocean Challenge

Create.Educate.Inspire



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