



THUNDER BAY

NATIONAL MARINE SANCTUARY

*Navigating Economic Change:
Collaborating to Create Sustainable Destinations*



Steve Kroll, TBNMS SAC





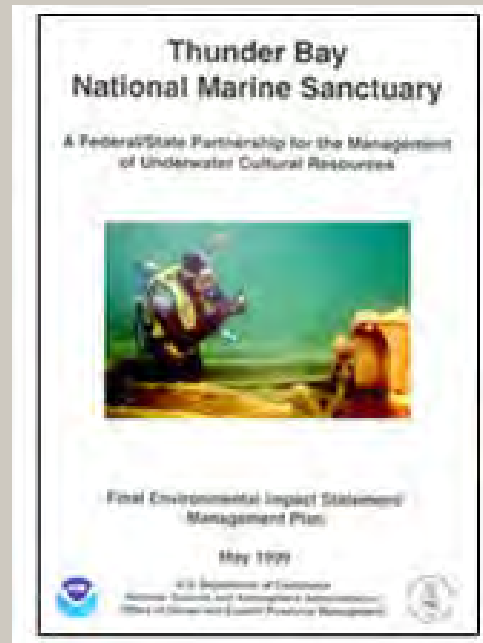
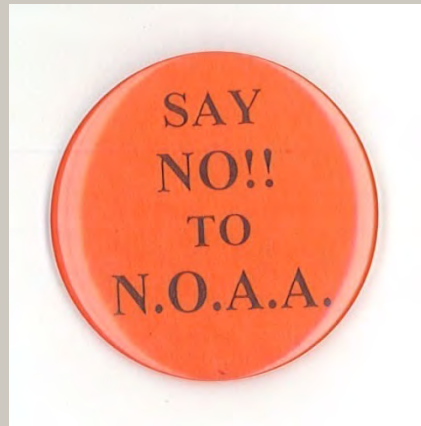




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Economic growth and sustainable tourism were key drivers in the designation of the sanctuary, and they continue to be a focus in the site's management.





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Sustainable Tourism, Community Enhancement, and Economic Development Integrated into Sanctuary Research, Education, and Resource Protection Programs

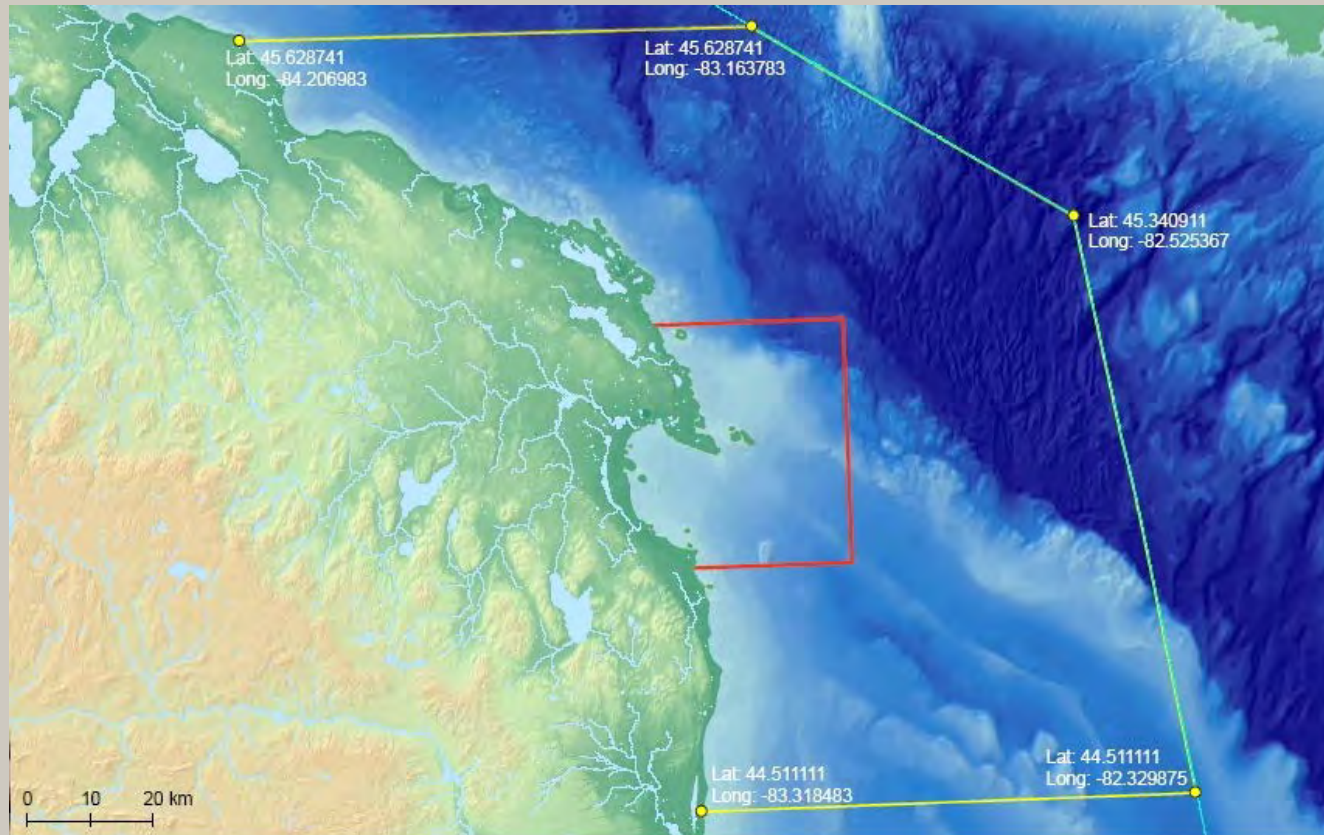




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“The impacts of a boundary expansion fit directly into the Chamber’s Mission of advancing the economic development and community’s quality of life; therefore, we give our full support for boundary expansion...”—Alpena Chamber of Commerce





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Collaboration and Integration between Thunder Bay and the Community



“Citizens of Alpena have been integrally involved in the designation, growth and development of the sanctuary, every step of the way. We went through a process that established the trust that now runs deep. Federal staff are now our neighbors. They volunteer at our local functions, send their children to our schools, attend our churches. At all levels, NOAA is integrated into the fabric of local life.”

--Carol Shafto, Mayor of Alpena



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The Sanctuary integrates economic development into long-term planning through members of the Advisory Council.

- Tourism
 - Business/Economic Development
- Thunder Bay Underwater Preserve Committee
 - Fishing
 - Diving
- 4 Local Government Seats
 - Higher Education



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Sanctuary staff are active in local economic development and planning. Staff serve as board/committee members for:

- Target Alpena Development Corporation
 - Alpena Chamber of Commerce
 - Downtown Development Authority
- Alpena Convention and Visitors Bureau
- ACC Regional Incubator Planning Team
- M-DNR area State Park Planning Team
 - Michigan Port Collaborative
- Various Tourism/Cultural/Natural Resources Groups



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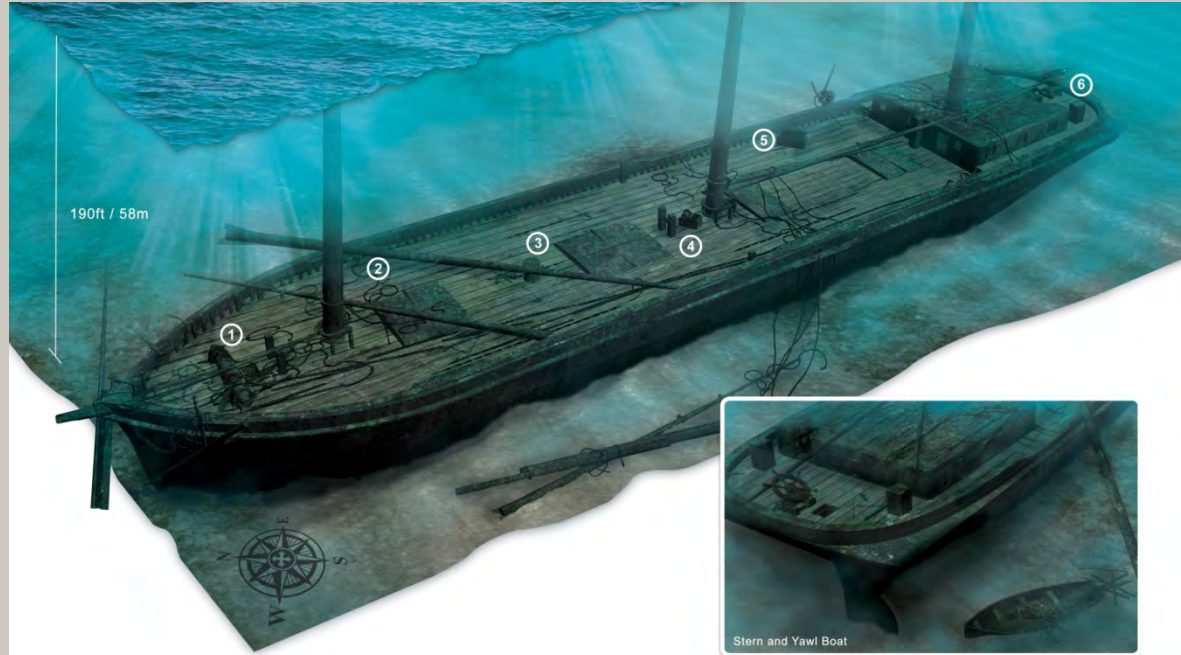
Actively Recruiting New Businesses





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Cornelia B Windiate

Wooden Schooner (1874 - 1875)

Lake Huron (N45° 00.976' W 83° 09.899')

Length: 138ft / 42m Beam: 26ft / 8m Depth: 190ft / 58m

MAP KEY

- | | |
|-----------------|----------------|
| ① Windlass | ④ Deck Winch |
| ② Foresail Boom | ⑤ Icebox |
| ③ Capstan | ⑥ Ship's Wheel |





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Great Lakes Maritime Heritage Center

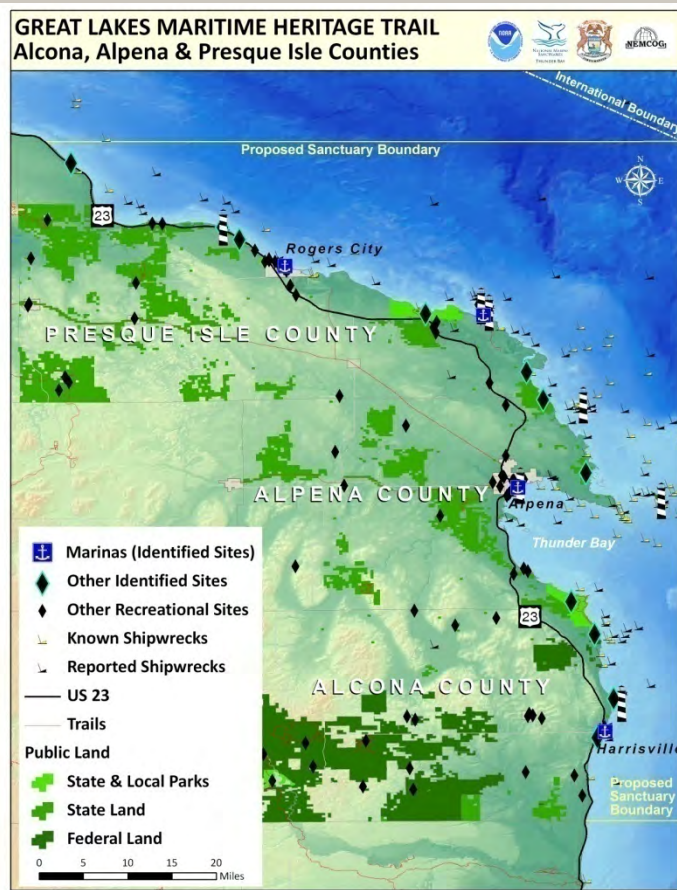




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GLMHT: Promoting and Interpreting our Maritime Landscape



- Shipwrecks
- Lighthouses
- Life Saving Stations
- Industries and Working Ports
- Historic Vessels
- Maritime Culture
- Archival Collections



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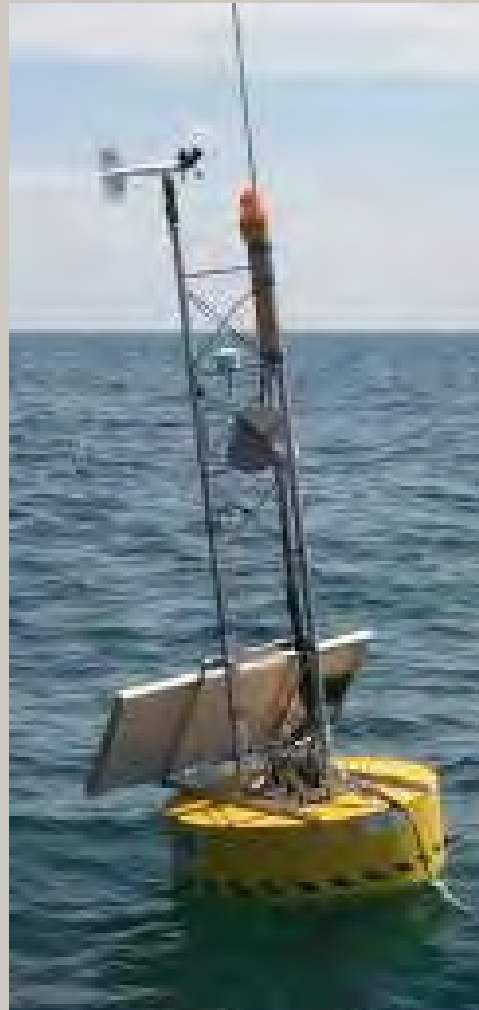




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Sentinel Sites: Researching More than Just Shipwrecks





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TBNMS SAC Member

