

# **Shipwrecks, Cultural Resources, and NOAA's Maritime Heritage Program**

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National Oceanic and Atmospheric Administration  
Maritime Heritage Program



# Our National Marine Sanctuaries



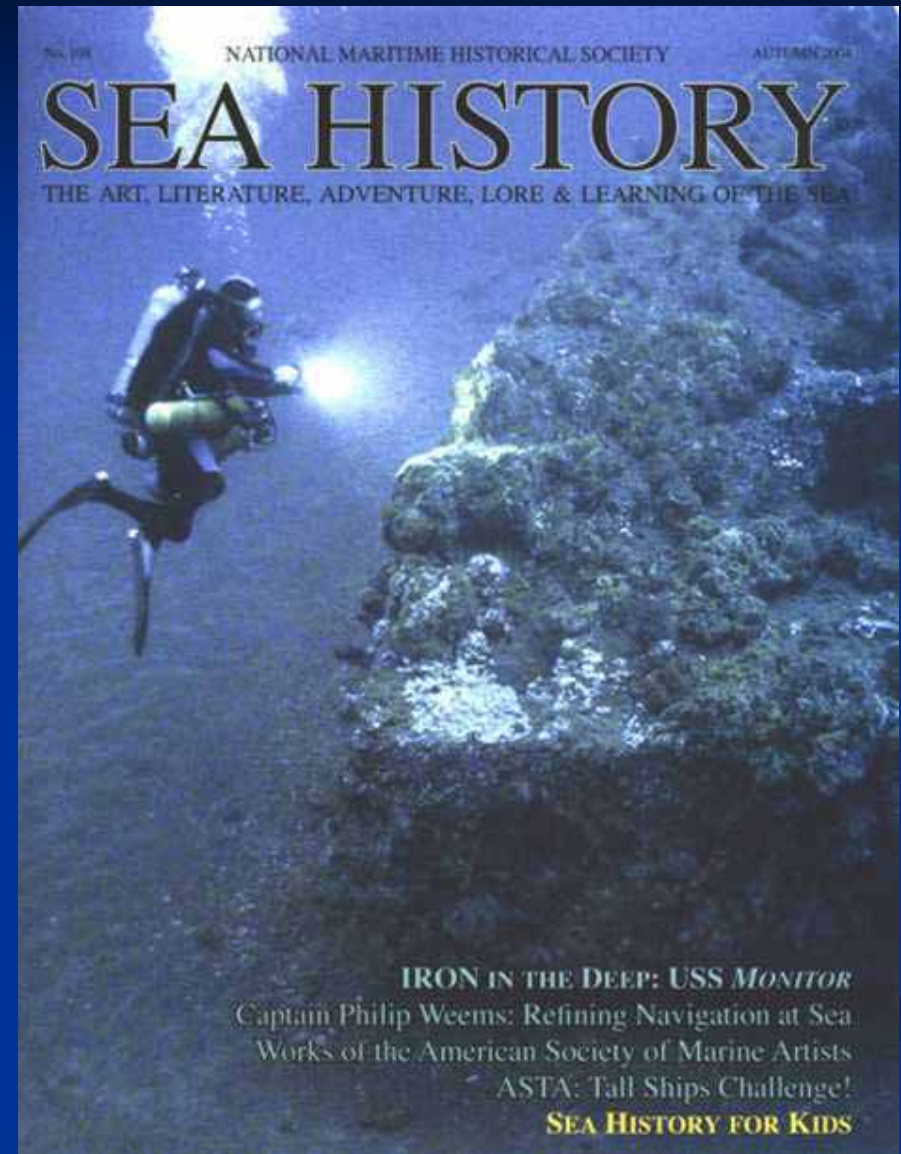
● National Marine Sanctuary

★ Marine National Monument

# USS *Monitor*



Copyright © The Mariners' Museum, Newport News, VA, 2005.



# *Monitor Center*



The Mariners' Museum with the USS *Monitor* Center, a 40,000 sq. ft. wing with exhibition and conservation facilities.

Copyright © The Mariners' Museum, Newport News, VA, 2005.



# THUNDER BAY NATIONAL MARINE SANCTUARY



2006

# ***SS William G. Mather* 1925** **Cleveland, Ohio**



# National Marine Sanctuary System



# The *Portland*



Courtesy of LARC.



Side scan sonar image of the *Portland*.  
Courtesy of Klein Sonar Associates.

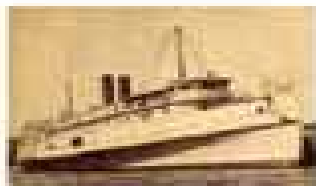
# The *Portland* – Live Broadcast



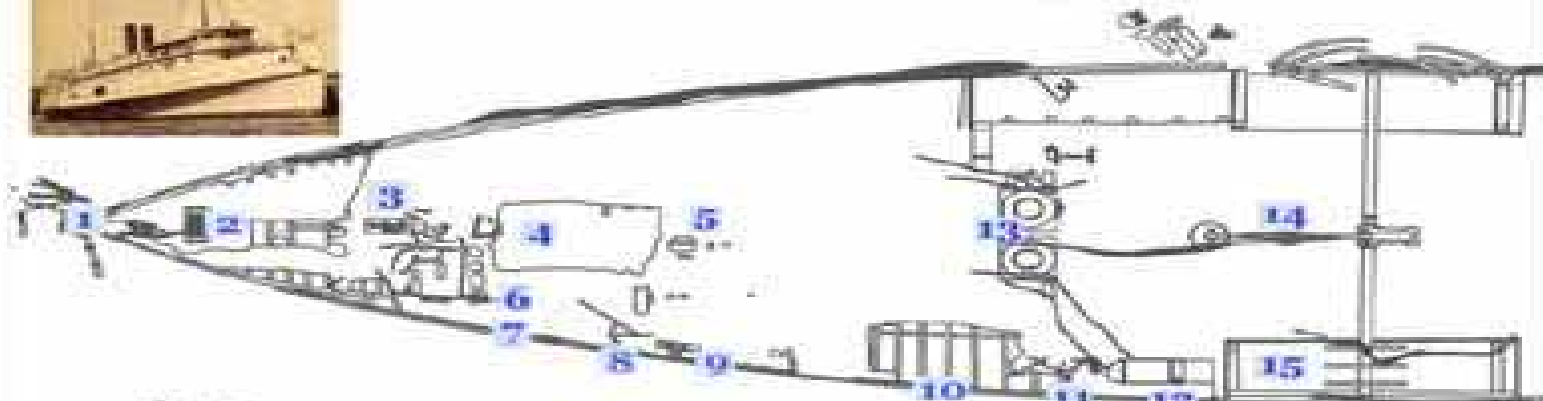
**LIVE Broadcast**  
From  
**THE WRECK OF THE PORTLAND**

10 July 2005 at 11:00am and 2:00pm

Presented By:  
The National Undersea Research Center  
for the North Atlantic & Great Lakes,  
The Hurlingham Bank National Marine Sanctuary,  
The Pilgrim Monument and Provincetown Museum, and  
NOAA's Preserve America Initiative



## Key Features Of The Steamship *Portland*



- |                       |                 |                                  |
|-----------------------|-----------------|----------------------------------|
| 1- Bow                | 6- Steam Piping | 11- Auxiliary Steam Release Pipe |
| 2- Anchor Windlass    | 7- Hull Edge    | 12- Auxiliary Boiler             |
| 3- Steering Mechanism | 8- Anchor       | 13- Boiler Uptake                |
| 4- Mainmast Operating | 9- Mast         | 14- A-frame & Walking Beam       |
| 5- Deck Planking      | 10- Deck Beams  | 15- Paddle Wheels                |



# The *Titanic*



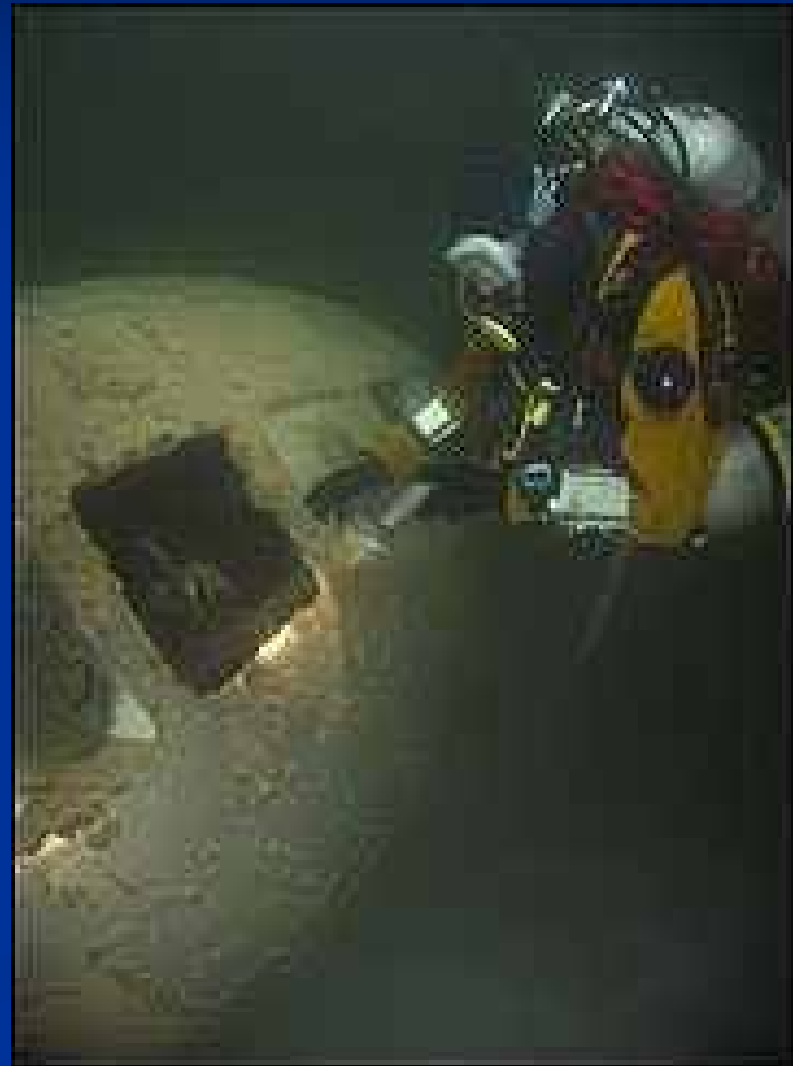
In the control van on the deck of NOAA research vessel *Ronald H. Brown* Dr. Robert Ballard (background) and NOAA Capt. Craig McLean view the deck of the *Titanic* shipwreck's bow section.

Photo: Bert Fox © National Geographic Society.



Video image © Institute for Exploration/University of Rhode Island.

# NPS B-29 in Lake Mead



*Photos: Brett Seymour NPS/SRC*

# The Science of Underwater Search and Survey

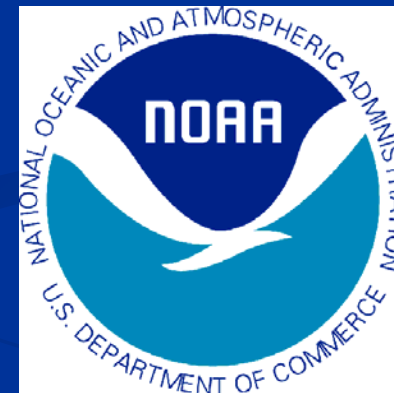


# USS *Alligator*





# Partners in the Ocracoke Shipwreck Survey and the Search for the Submarine USS *Alligator*



**University of North Carolina  
Coastal Studies Institute**

# U-701 North Carolina



# Eighth Maritime Heritage Conference



- San Diego, California
- October, 2007

MYSTIC SEAPORT

THE MUSEUM OF AMERICA AND THE SEA

# *The Restoration of the Charles W. Morgan*

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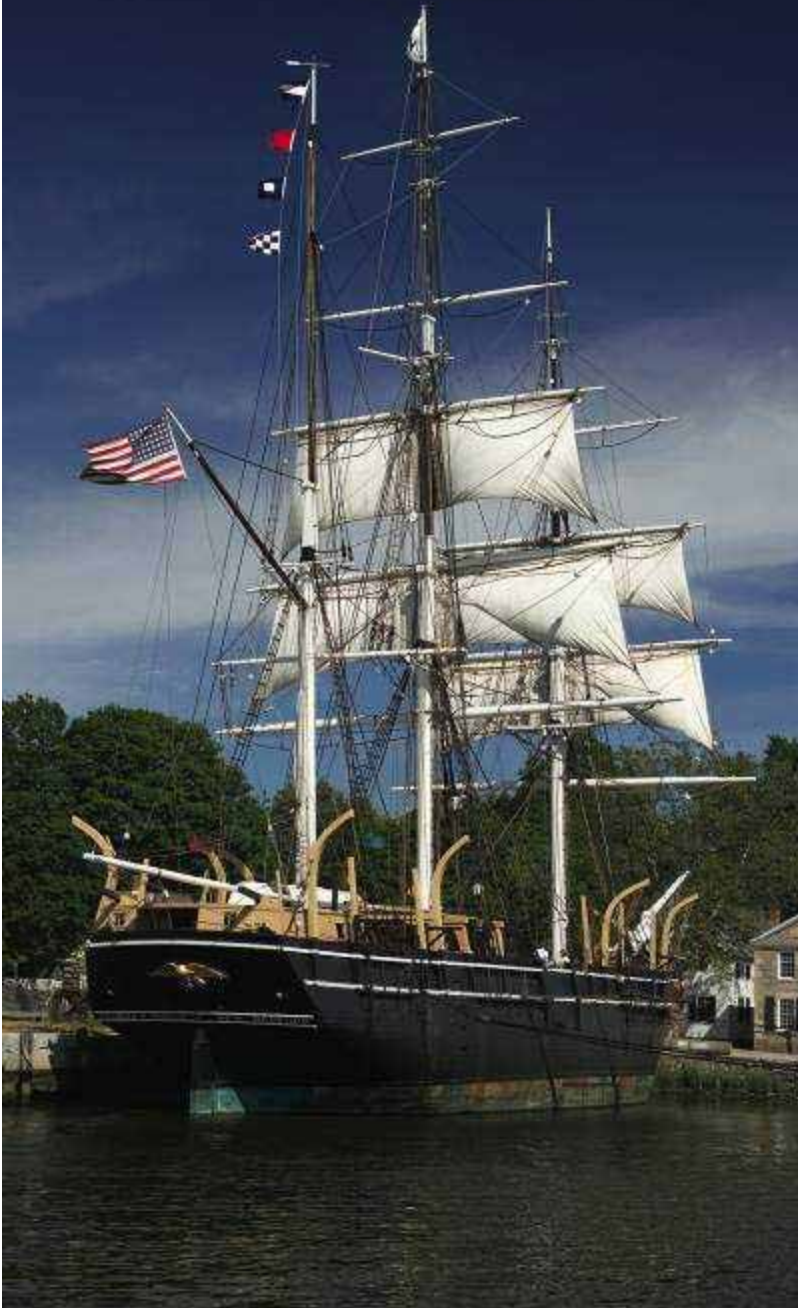
## **The Last Remaining Wooden Whaling Ship in the World**

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*“May kind Neptune protect us with  
pleasant Gales and may we be  
successful in catching Sperm Whales.”*

-excerpt from the logbook of the first voyage of the  
-Charles W. Morgan, 1841

**The Campaign to Preserve One of America's Greatest Maritime Treasures**



# NOAA and Whaling Heritage



Papahānaumokuākea Marine National Monument, Hawaii

**Whaler *Gledstanes*—Kure, Hawaii  
Lost 1837 ---Discovered 2008**



# Papahānaumokuākea Marine National Monument 2008



# Whaling Heritage Symposium

Mystic, CT/New Bedford, MA

June 16-18, 2008



1871 Fleet Abandoned in the Ice. *Harper's Weekly* 1871

# NAS Volunteer Diver Class Seattle, WA



# NAS Volunteer Divers



# Chumash Maritime Association Channel Islands National Marine Sanctuary



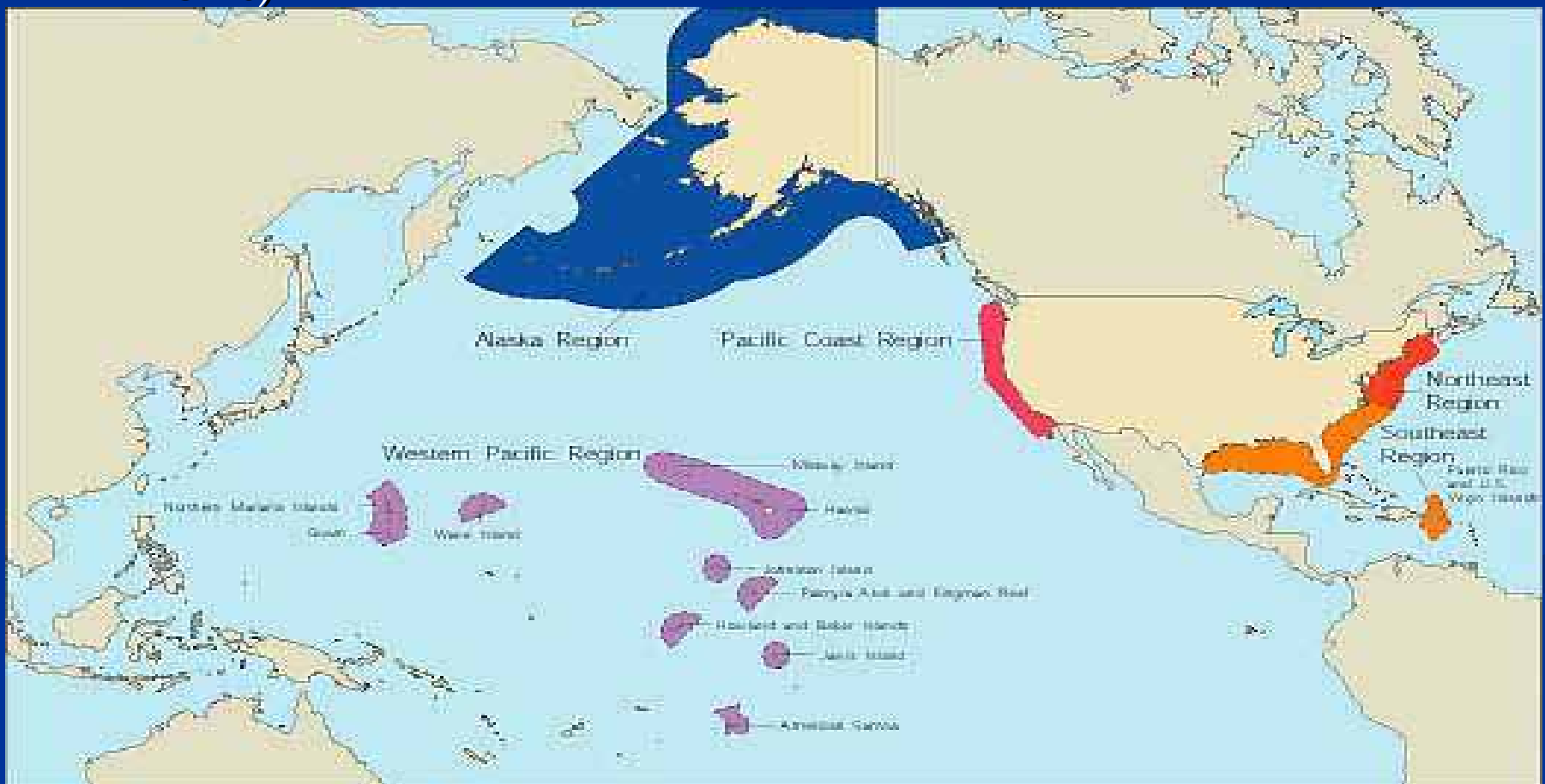
Great Lakes Maritime Heritage Center



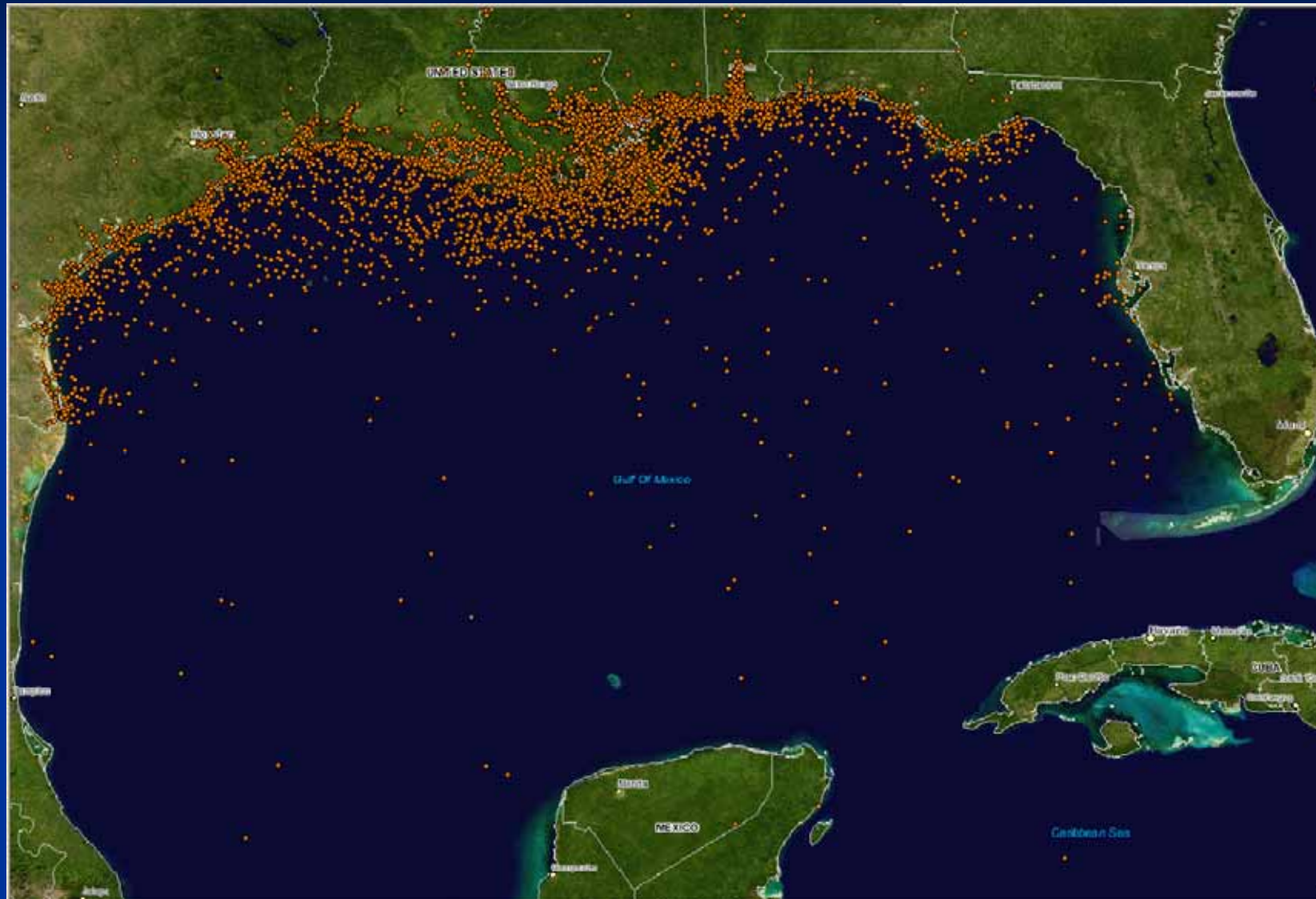
Thunder Bay National Marine Sanctuary

# Protection of Underwater Cultural Heritage

- National Marine Sanctuary Act
- In Sanctuaries to 200 nm EEZ (Economic Enterprise Zone)



# Shipwrecks -- Gulf of Mexico

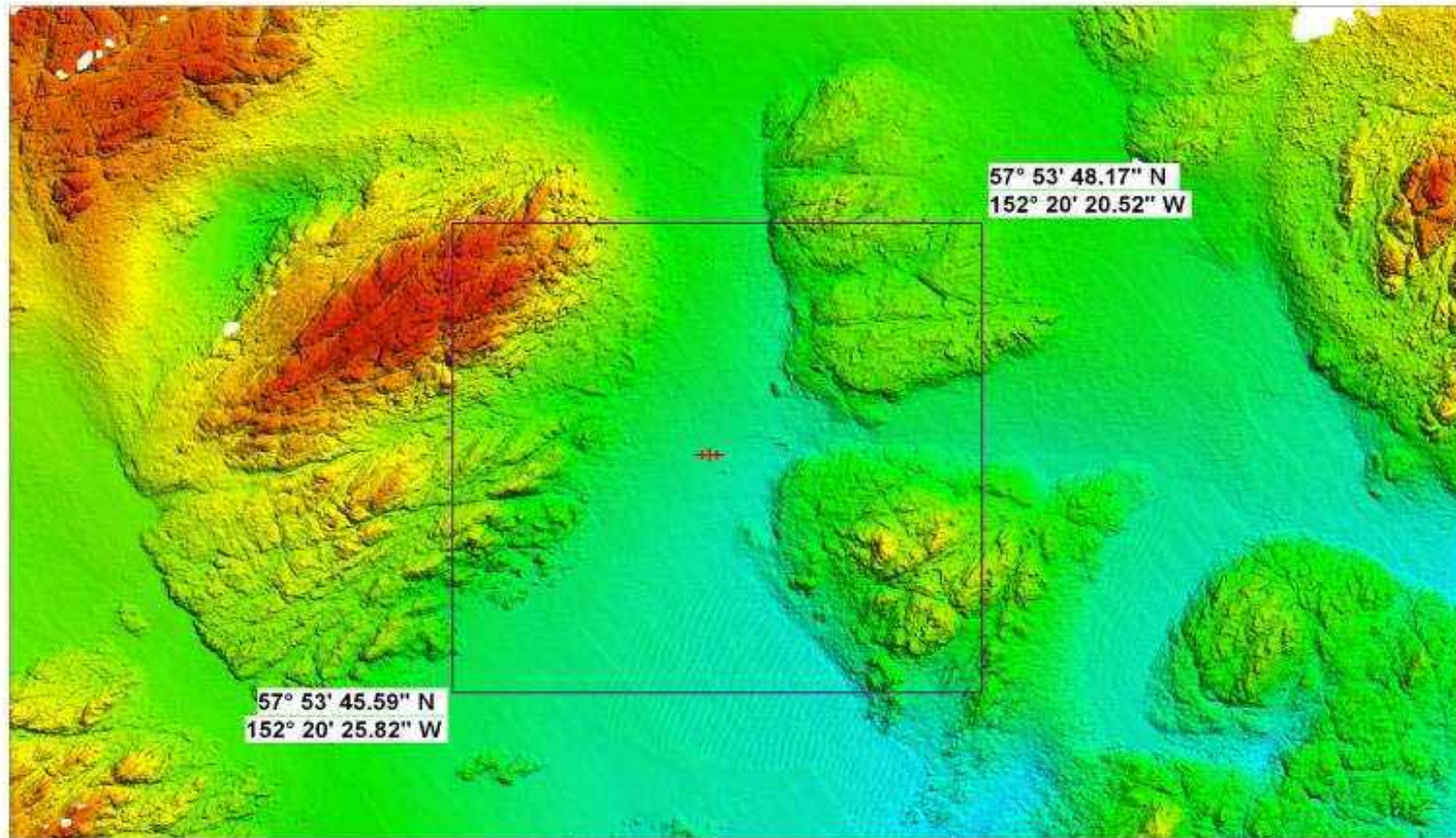


# *Kad'yak*



*Images courtesy of Kad'yak 2004 Exploration, Tane Casserley, NOAA-OE*

# Multi-Beam Survey by NOAA Ship *Rainier*



The purple box depicts a zoomed-in area of the Kad'yak multibeam survey, with a wreck symbol denoting the possible location of the wreck's anchor.

Survey: FE Kad'yak WK  
State: Alaska  
Locality: Kodiak  
Sub-locality: Southeast of Spruce Island  
Survey Scale: 1:5,000

Sounding Units: Fathoms  
Sounding Datum: MLLW  
Horizontal Datum: NAD 83  
Projection: UTM 5  
Scale Factor: 0.9995

NOAA Ship RAINIER  
CDR John W. Humphrey  
Commanding

July 28, 2004

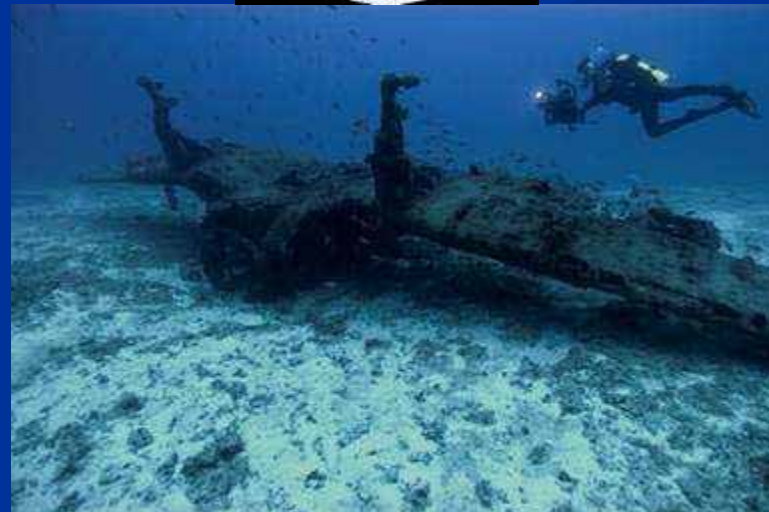
NOAA Office of Coast Survey

# In Memory



Capt Gary Edwards and  
Crew of F/V *Big Valley*

Lost in the Bering Sea  
15 January 2005



[MARITIMEHERITAGE.NOAA.GOV](http://MARITIMEHERITAGE.NOAA.GOV)