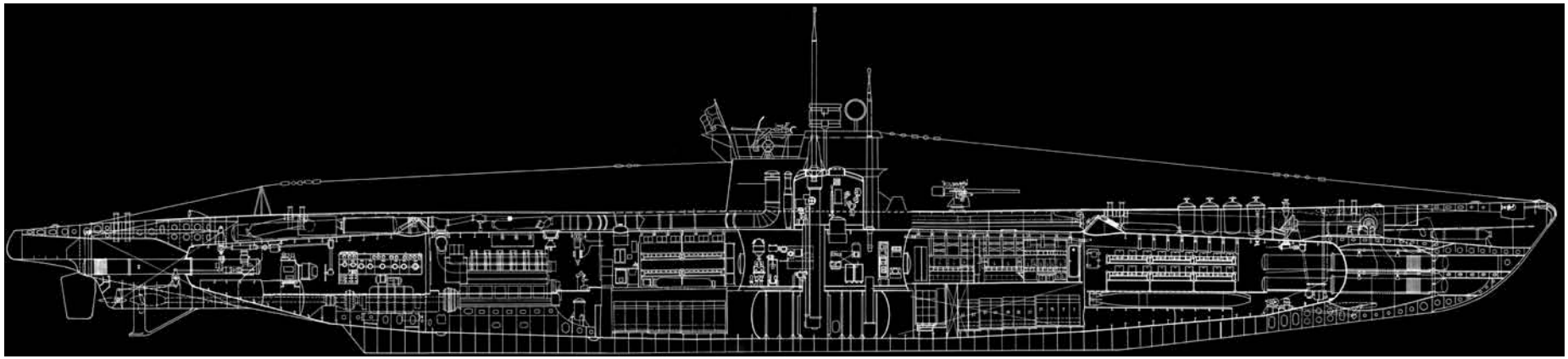
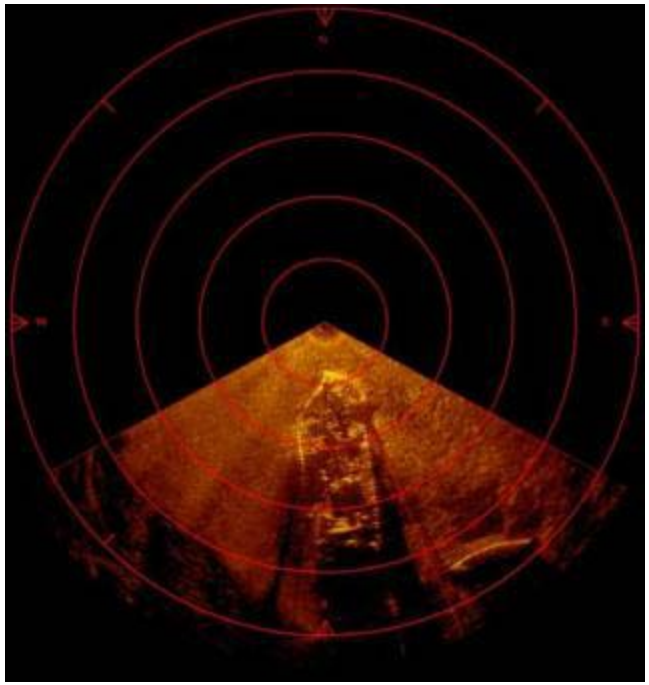
Battle of the Atlantic Fieldwork

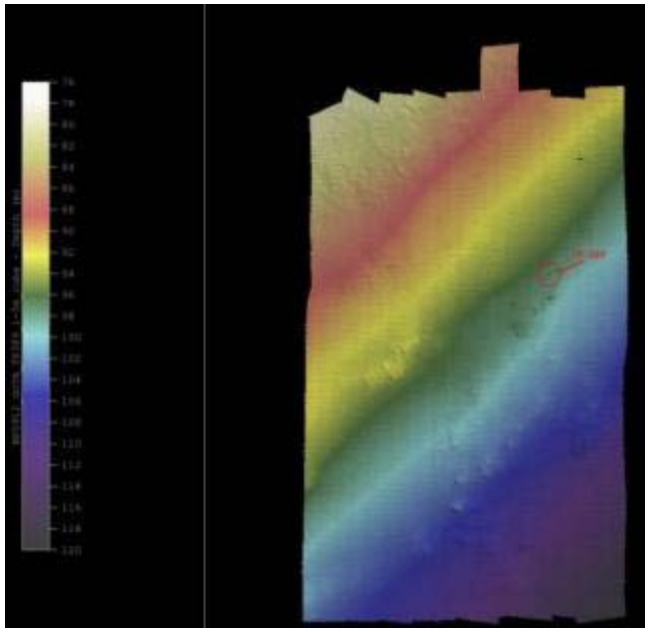
Promoting the Protection of Maritime Heritage in North Carolina





Joseph C. Hoyt

NOAA's
Monitor National
Marine Sanctuary



Our National Marine Sanctuaries

NOAA's Maritime Heritage Program

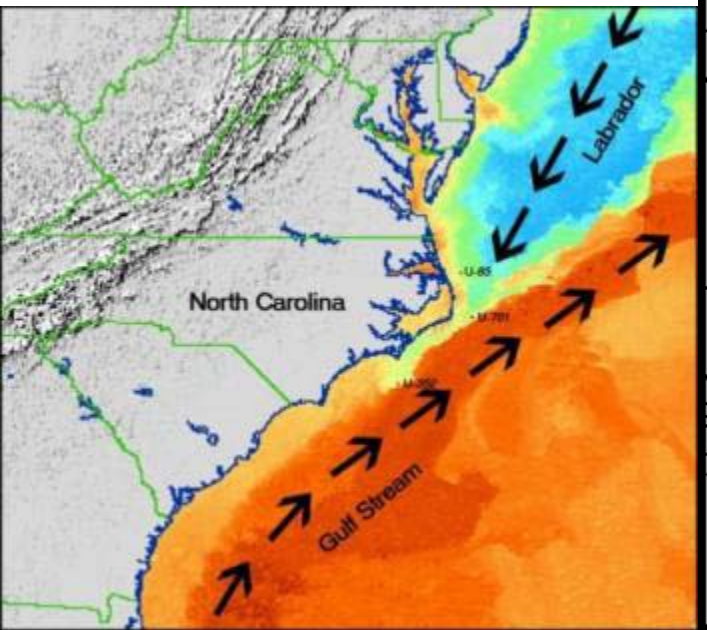
Background for the Battle of the Atlantic

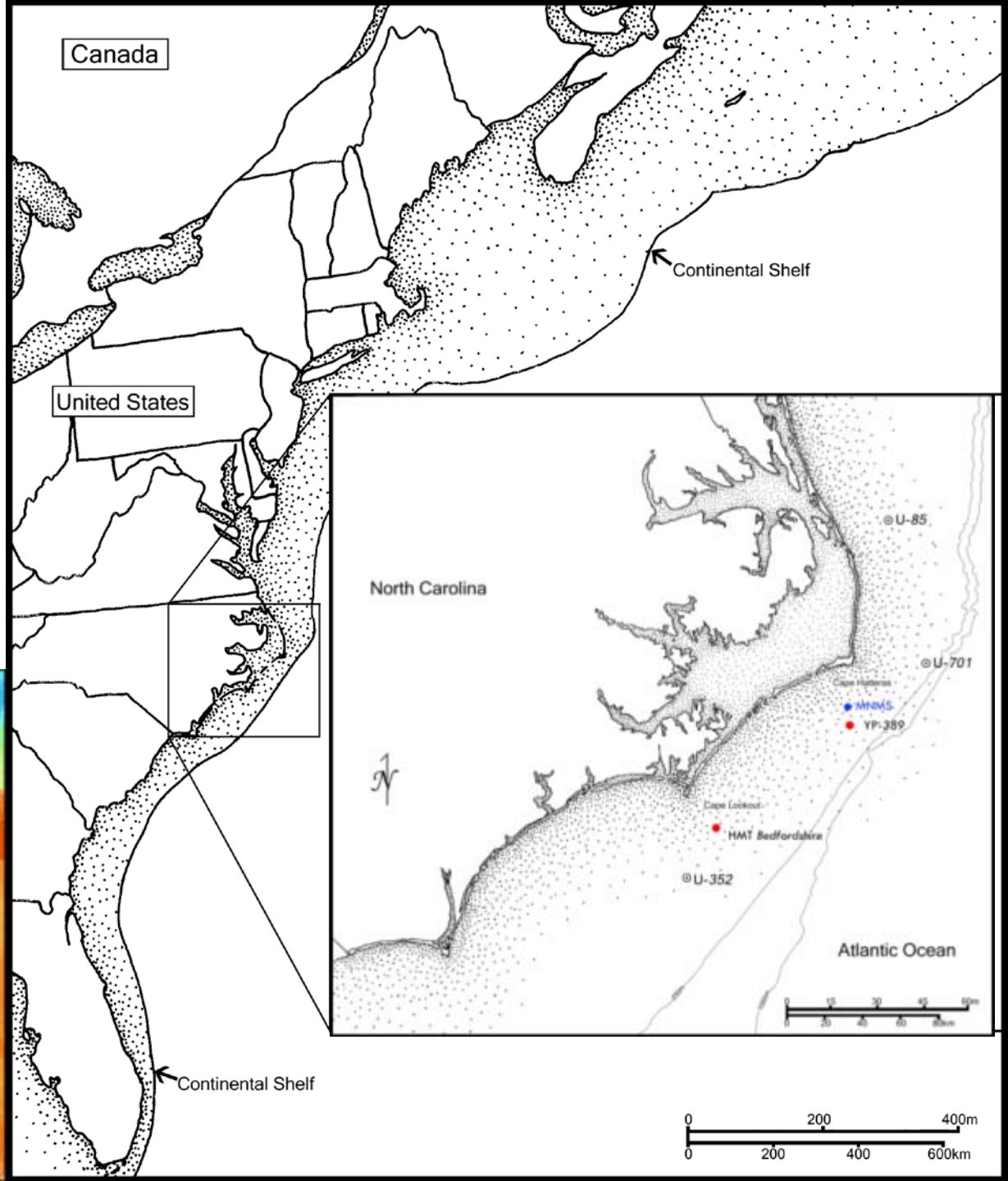
PARTNERS

- NOAA/ Office of National Marine Sanctuaries
- Bureau of Ocean Energy Management, Regulation and Enforcement (BOEMRE)
- NOAA's Office of Exploration and Research
- NOAA/National Centers for Coastal Ocean Science – NCCOS
- National Park Service
- U.S. Navy
- East Carolina University
- UNC Coastal Studies Institute
- Mariners' Museum
- National Undersea Research Center (UNCW)
- State of North Carolina
- Georgia Aquarium

Significance of North Carolina

- Shipping Lanes
- Oceanic Currents
- Continental Shelf
- Water Depth
- Water Temperatures





U-*85* Site Assessment

U-352

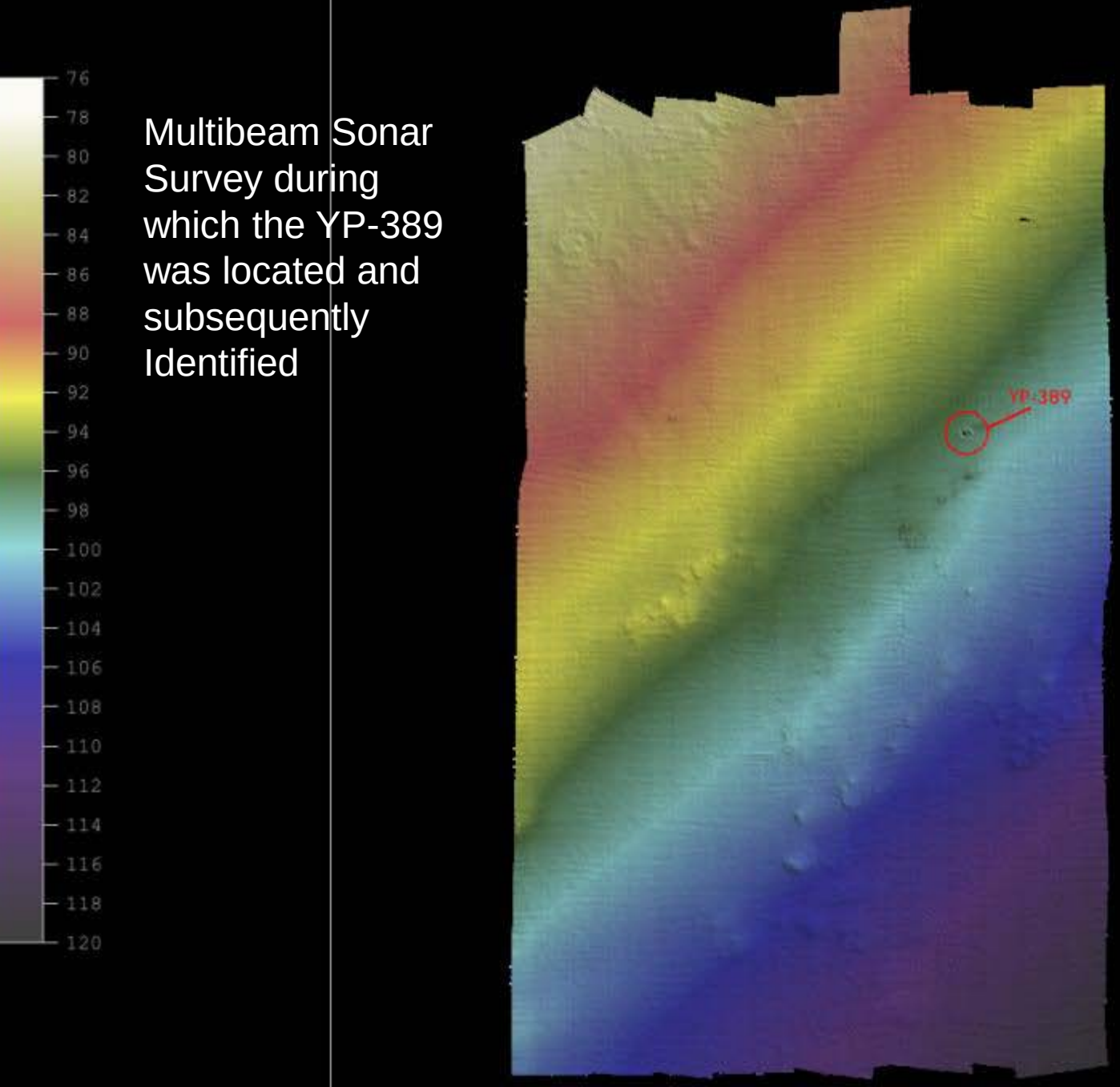
U-701

Methodology

U-*85*

Battle of the Atlantic: Season II
2009 Fieldwork

Multibeam Sonar Survey during which the YP-389 was located and subsequently Identified



Background on the Discovery of the YP-38

- 1973 Eastward
- Tie to the Monitor

Photomosaic of YP-*389*

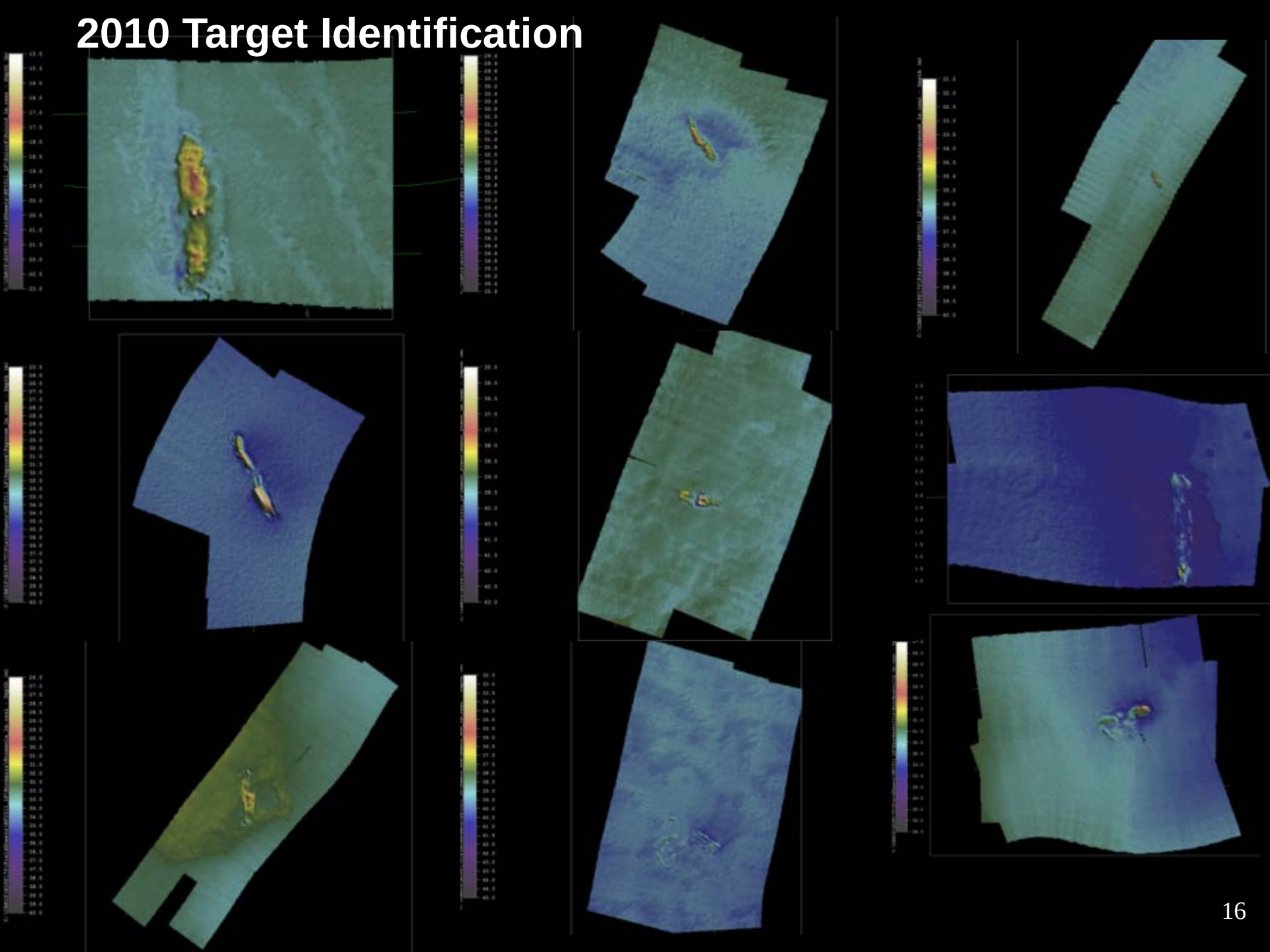
- Photomosaic Process
- Location
- Site Condition

How did we determine the vessel foundwas in fact the remains of YP-*389*?

- Archival Research (photos and documents)
- Location
- Vessel Type and Size
- Armament

Continued Monitoring of U-boats: Corrosion Potential Analysis

2010 Target Identification

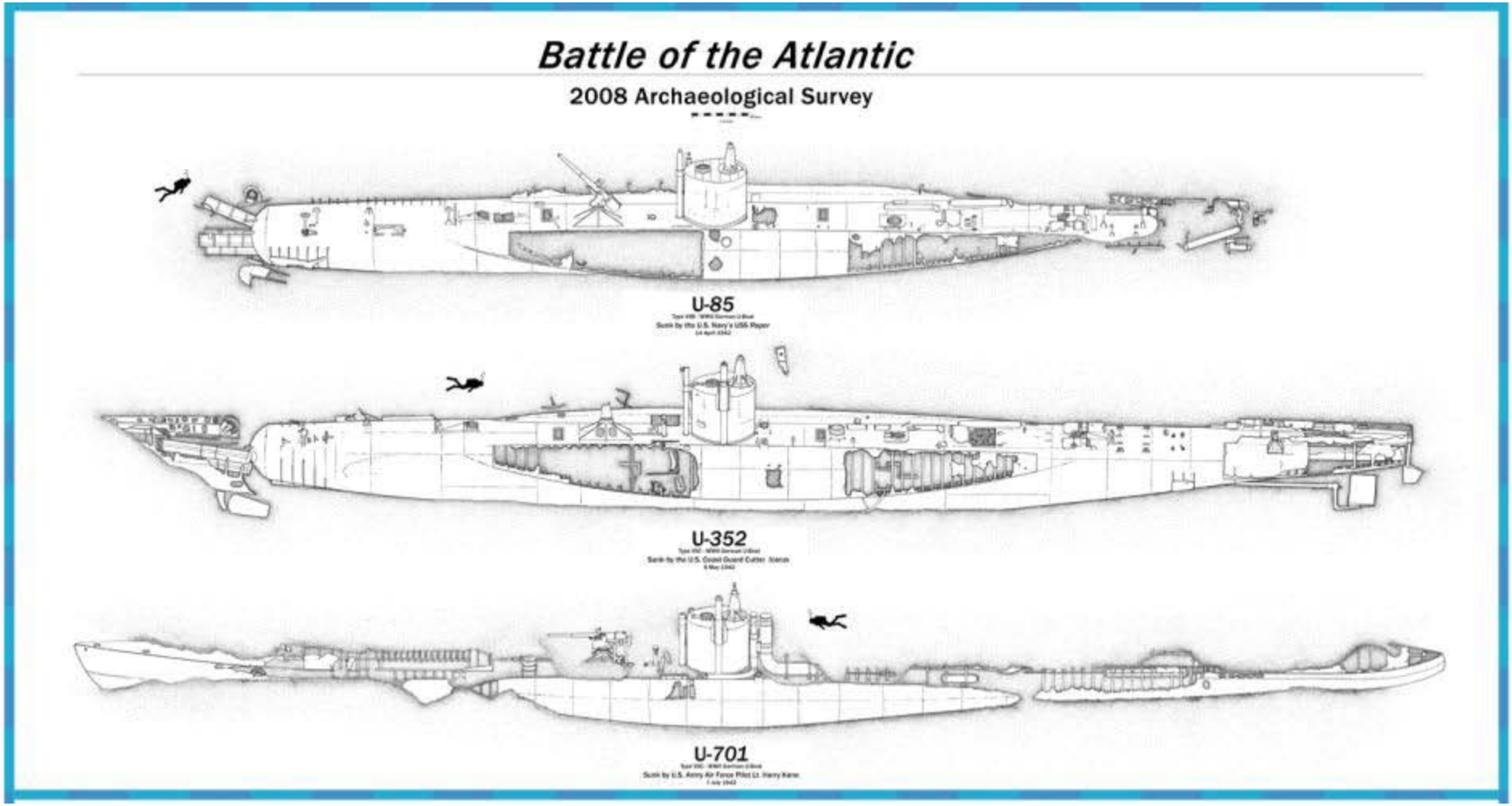


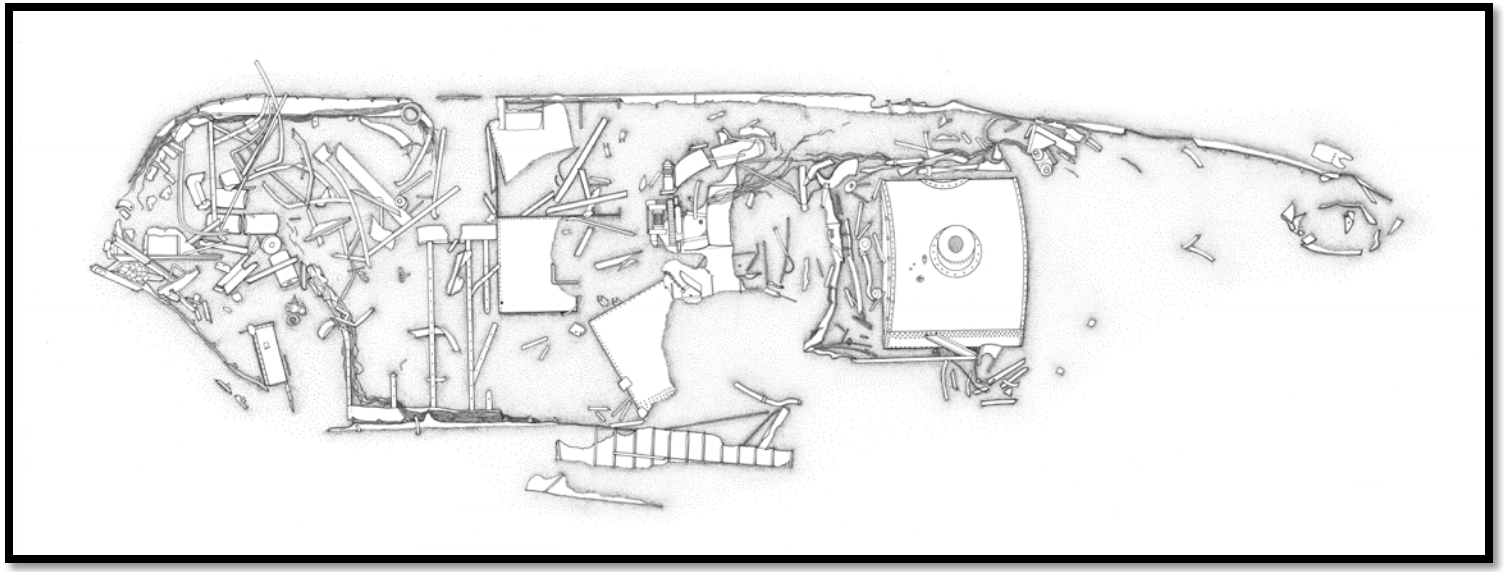
Photomosaics

U-85

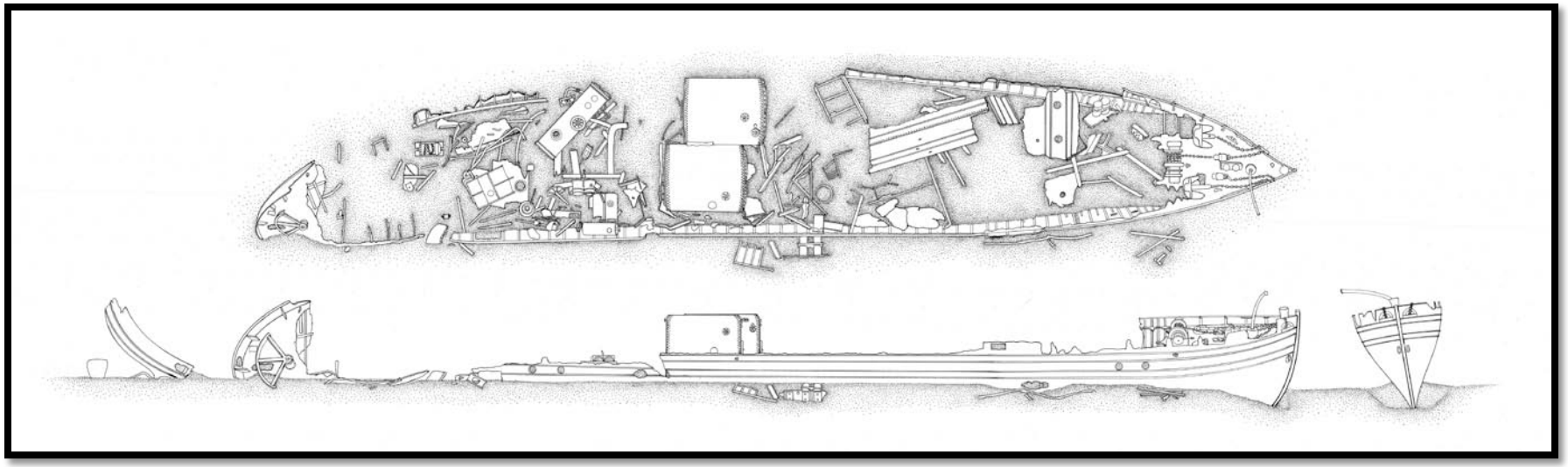
U-701

Keshena


Battle of the Atlantic
2008 Archaeological Survey
U-85
U-352
U-701

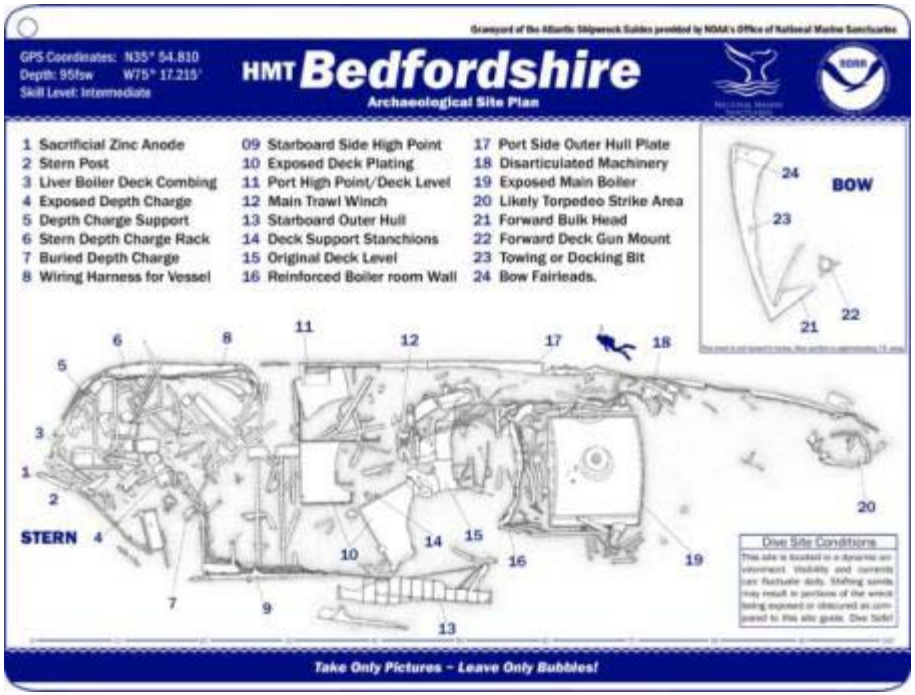


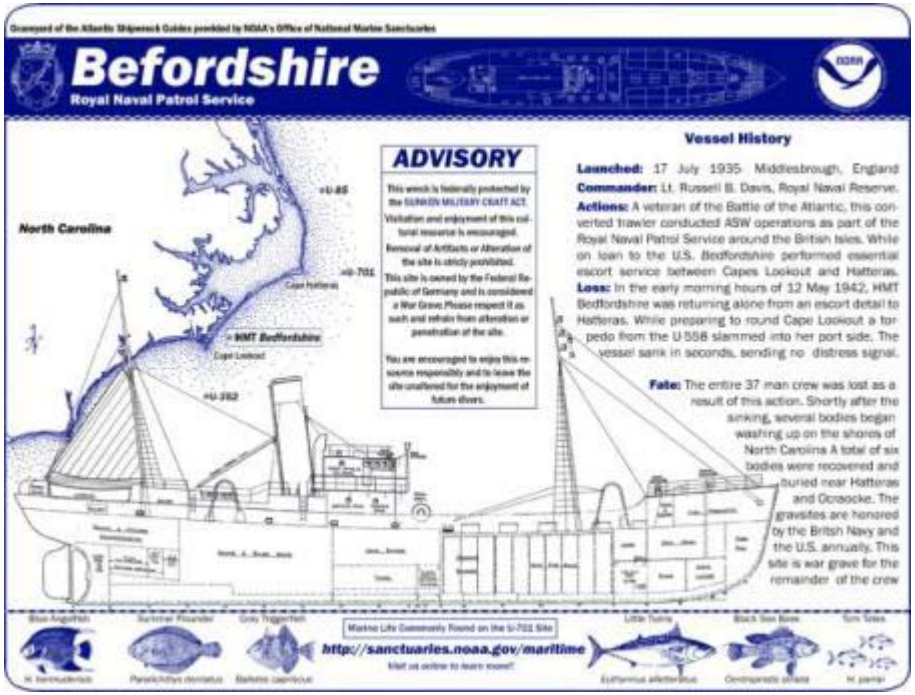
HMT *Bedfordshire* Site plan



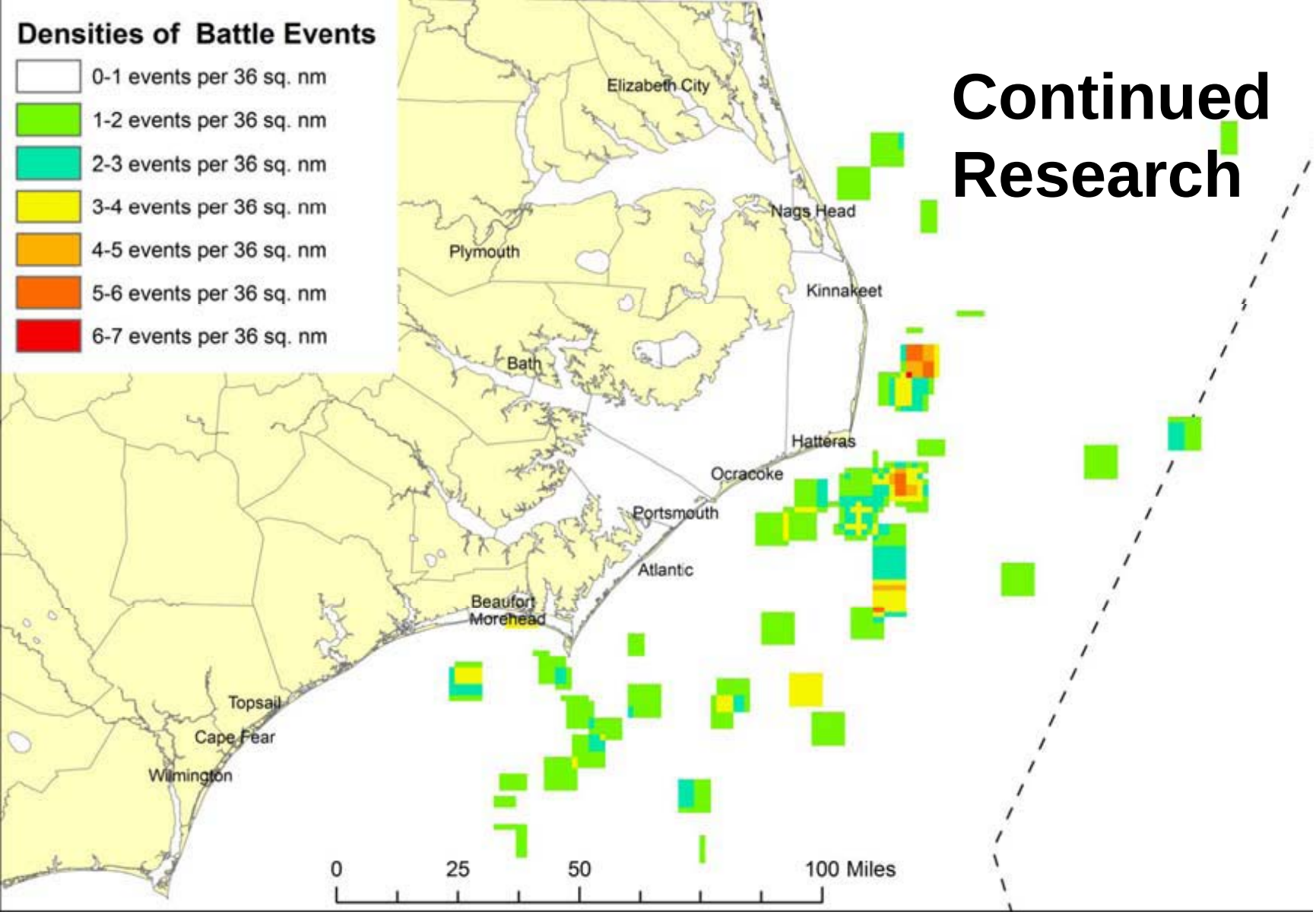
U.S. Navy Rescue Tug *Keshena* Site Plan

Outreach Products



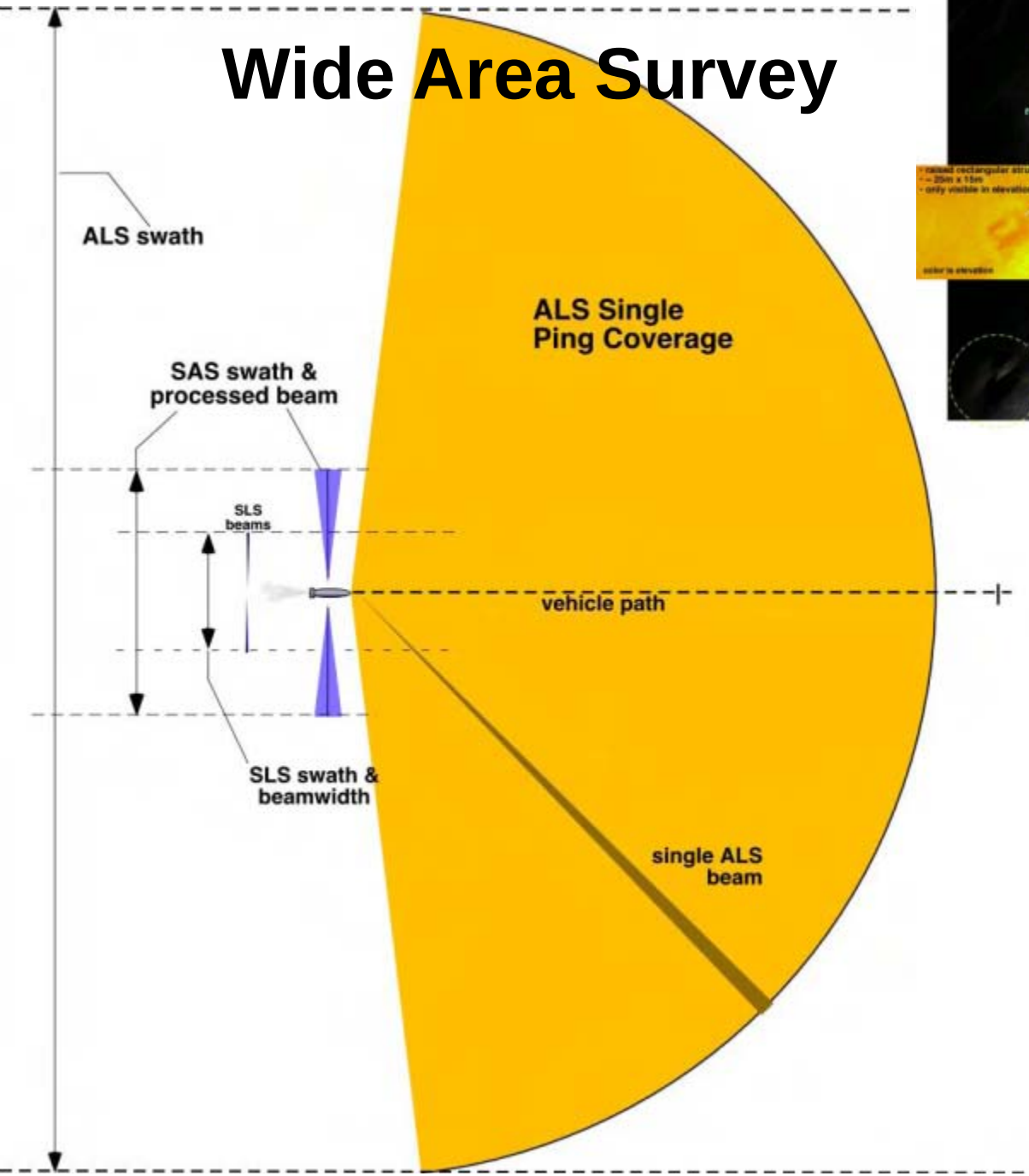


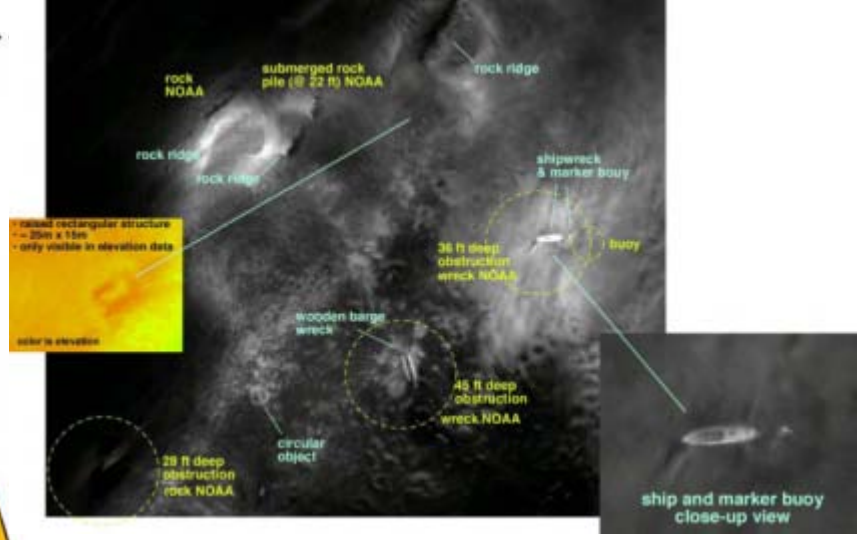
Continued Research



- Defining boundaries and search areas
- Moving from site-specific approach to cultural landscape approach

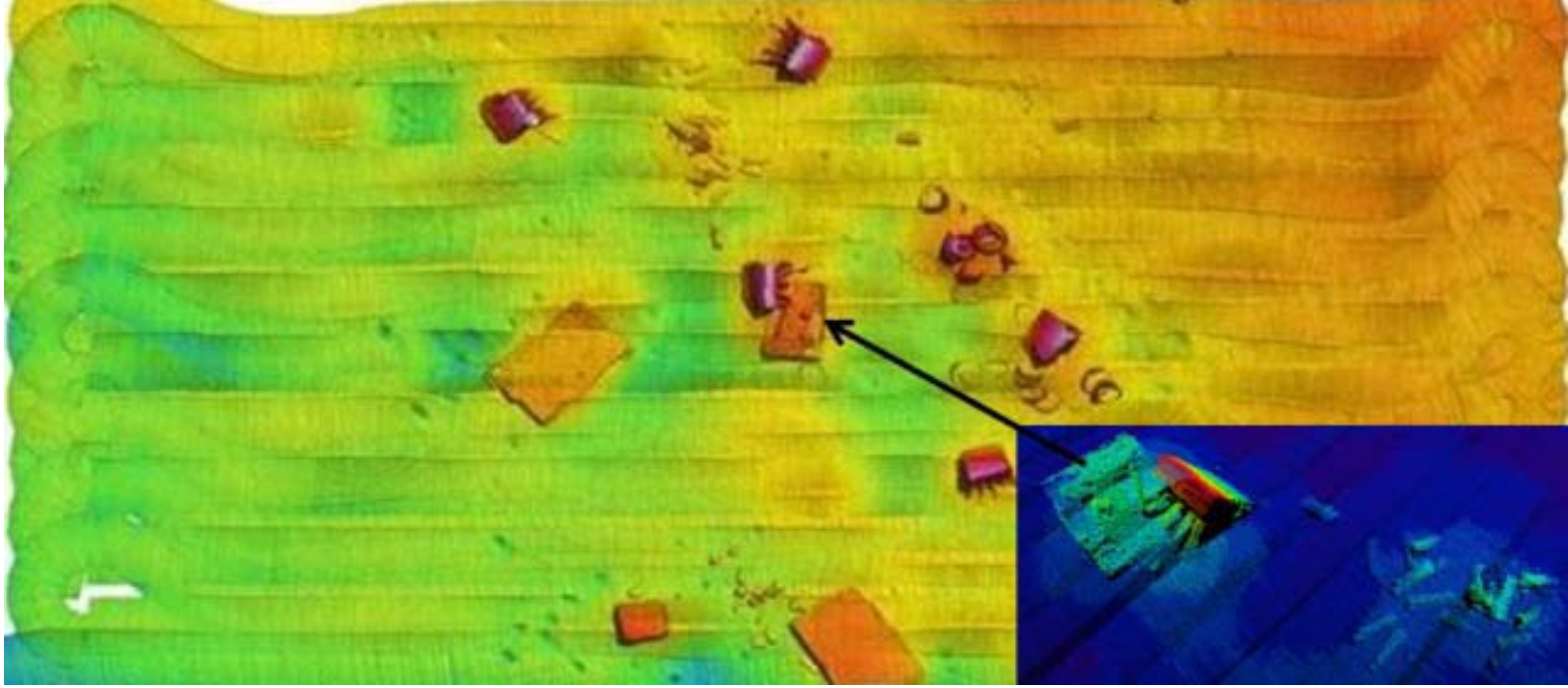
Wide Area Survey

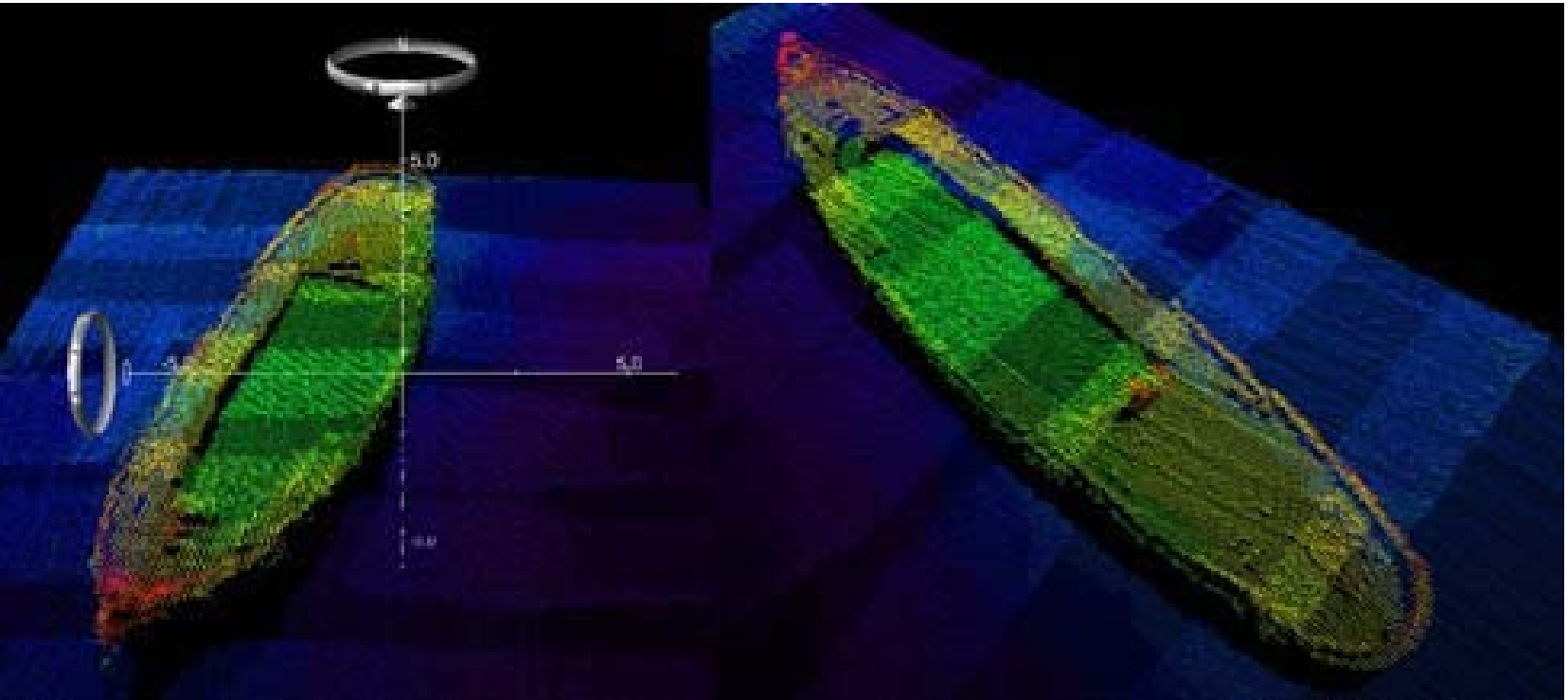




University of Texas: Applied Research Laboratory

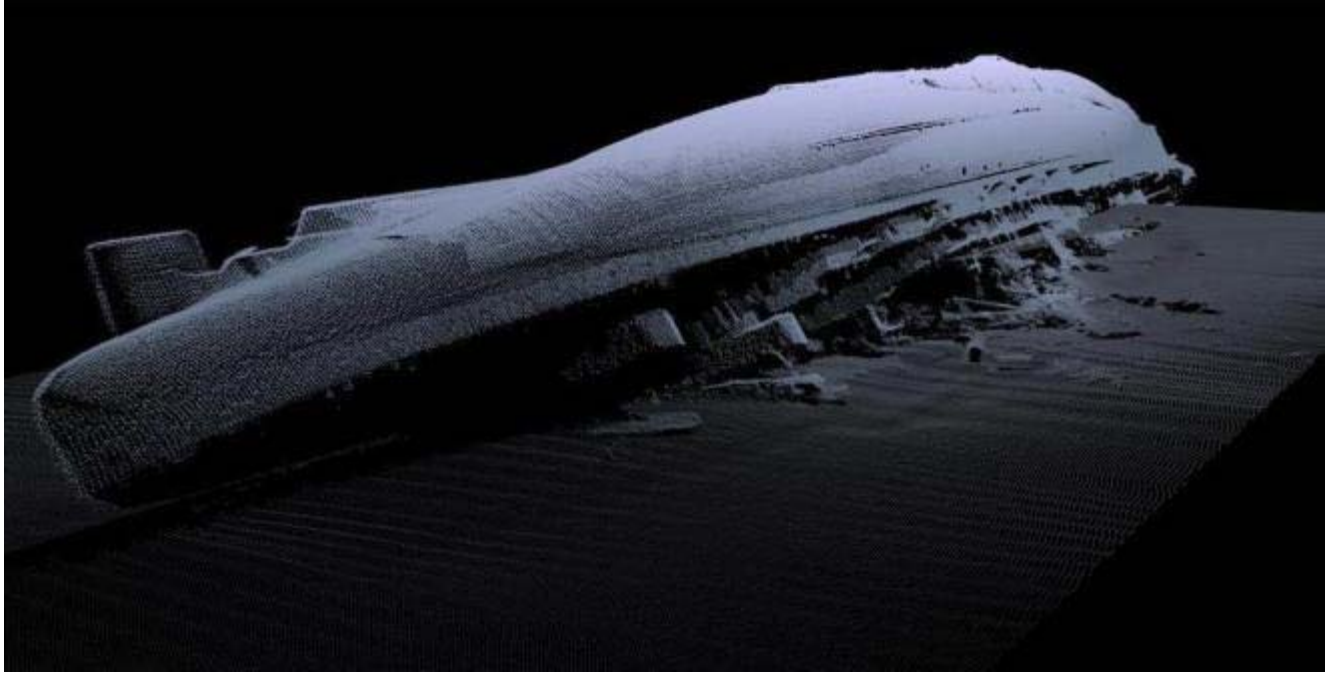
Higher Resolution Targeted AUV Survey



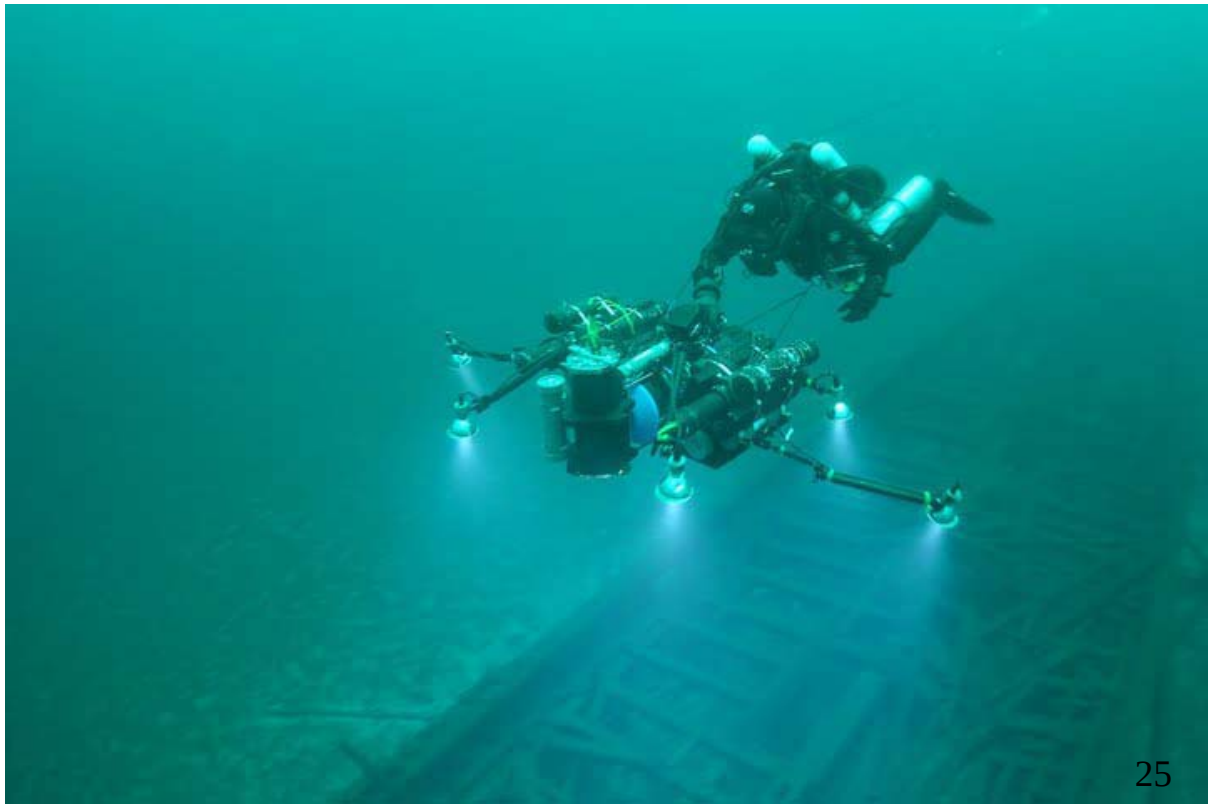


AUV MB Survey: SRI int.

3D Acoustic Imaging with ADUS



Woods Hole Oceanographic Institute:
Advanced Imaging and Visualization Laboratory



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For more information check us out online:

http://sanctuaries.noaa.gov/missions/battleoftheatlantic/

http://sanctuaries.noaa.gov/missions/battleoftheatlantic2/

http://monitor.noaa.gov/