

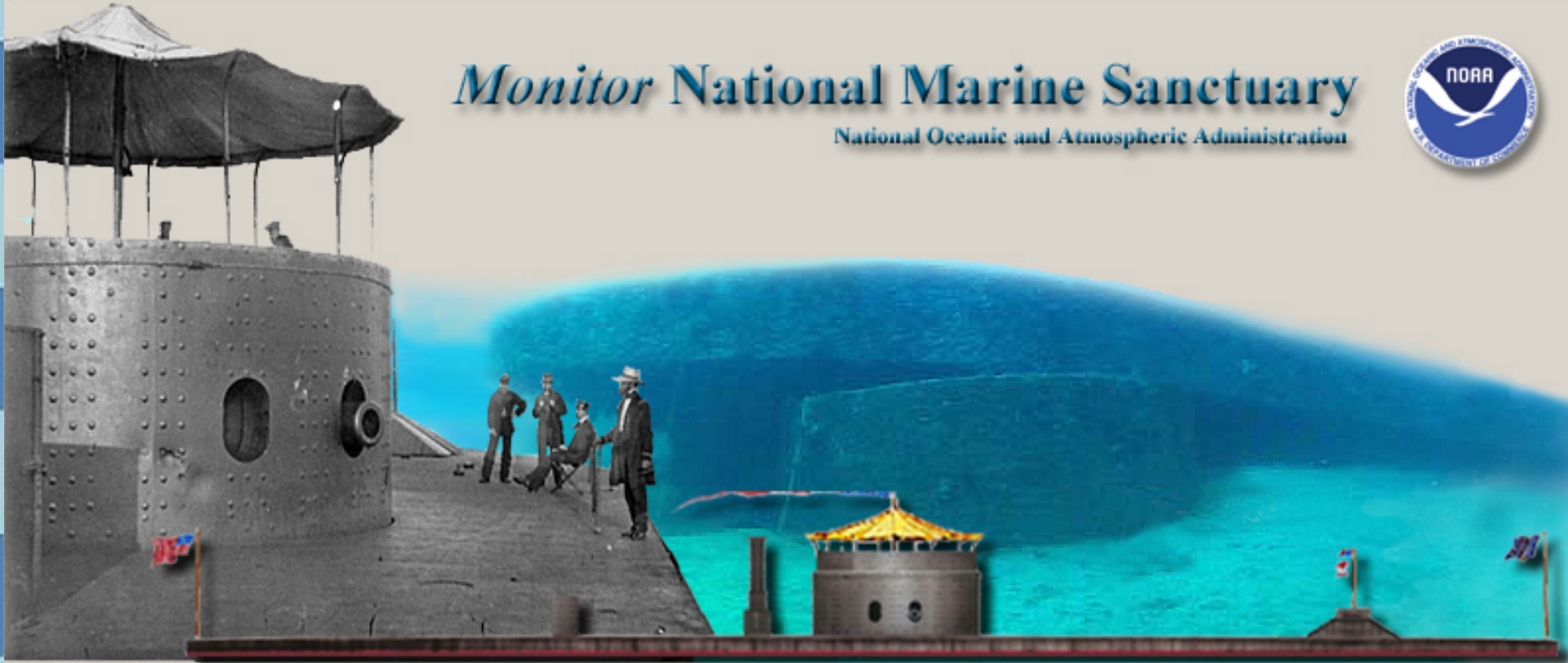


# America's First National Marine Sanctuary



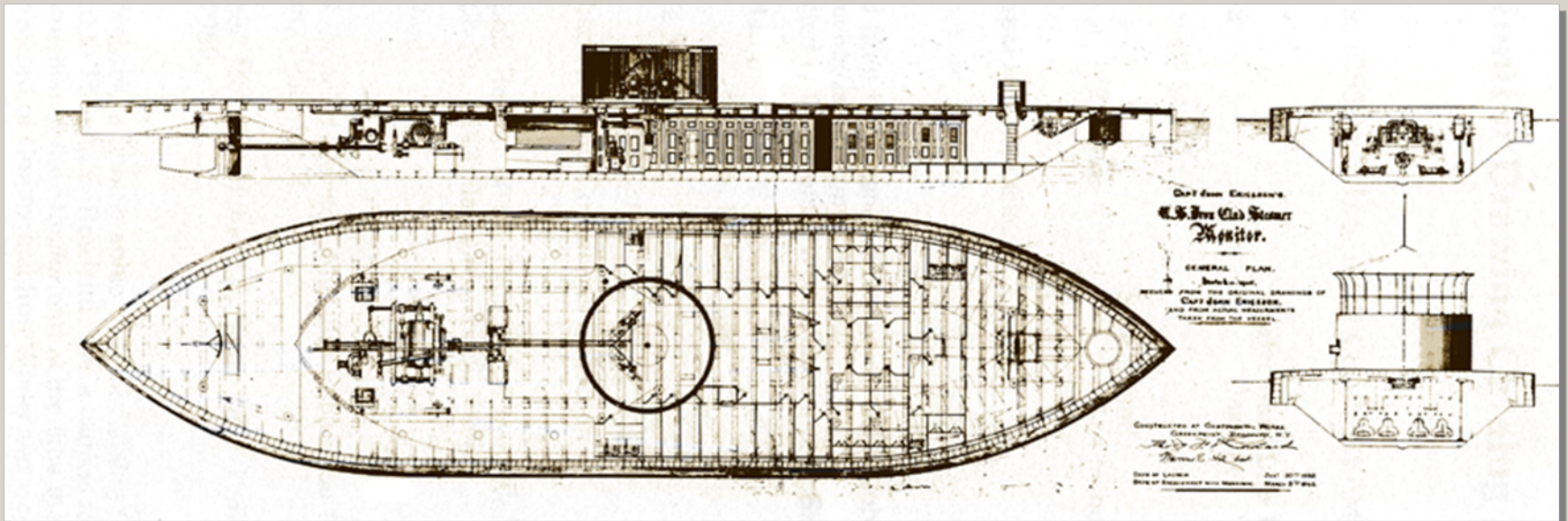
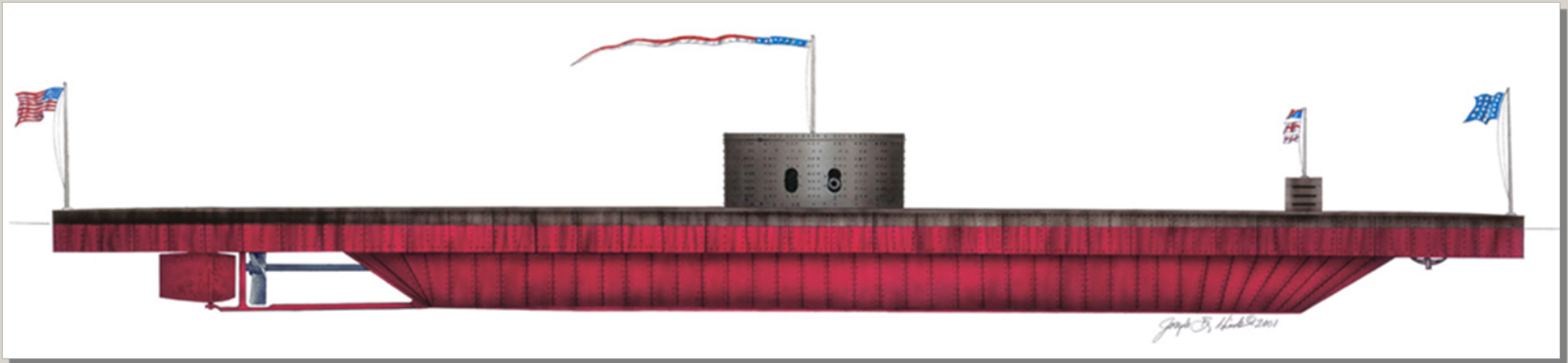
## *Monitor National Marine Sanctuary*

National Oceanic and Atmospheric Administration





# What was the USS Monitor?





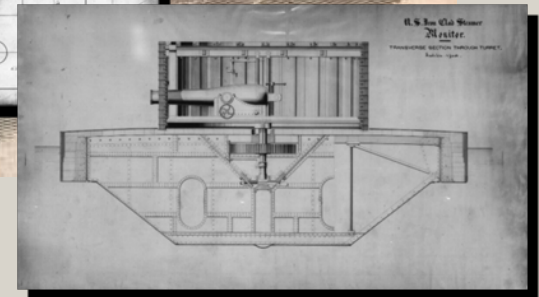
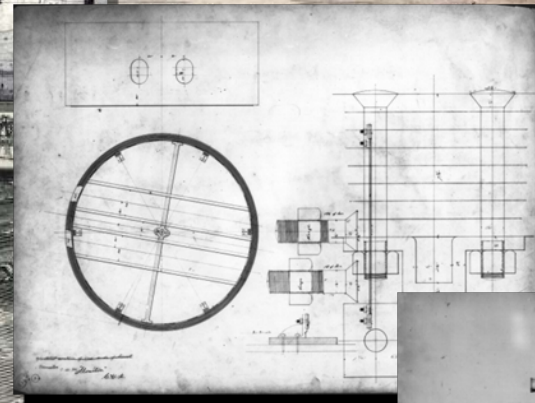
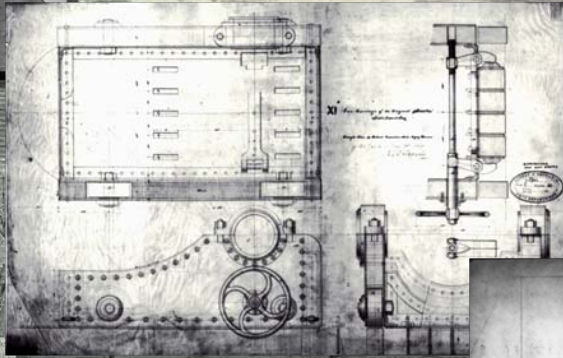
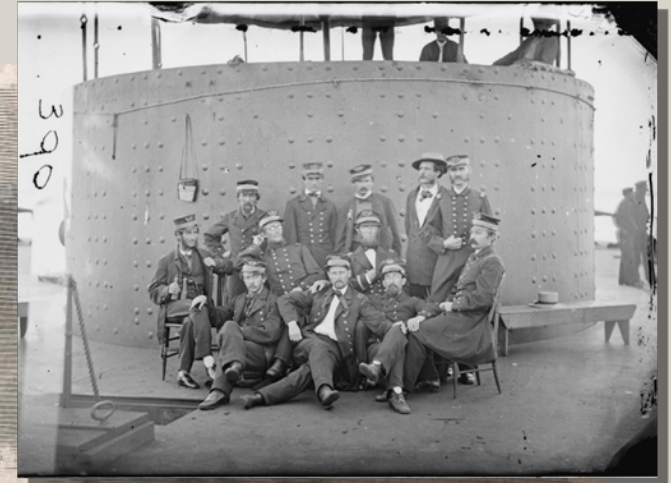
# Battle of Hampton Roads, Virginia March 9, 1862



**USS *Monitor* and the CSS *Virginia* engage in the first battle of steam powered ironclads. The battle ushers in a new era of naval technologies and naval warfare.**



# History and Technologies Worth Preserving







# Discovery - 1973



NATHAN BENN

**In 1973 a team of scientists aboard Duke University Research Vessel *Eastward* located the shipwreck remains of what they believed to be the USS *Monitor* lying upside down in 230 feet of water approximately 16 miles off Cape Hatteras, North Carolina.**

**In 1974, they confirmed that the shipwreck was in fact the *Monitor*.**



## Designation

*Whereas Title III, of the Marine Protection, Research, and Sanctuaries Act of 1972, Public Law 92-532, authorizes the Secretary of Commerce, with the approval of the President of the United States, to designate Marine Sanctuaries; and, Whereas the wreckage of the U.S.S. Monitor has recently been identified; and,*

*Whereas it is the consensus of concerned organizations and individuals that the wreckage should be protected for its historic, cultural, and technological values; and,*

*Whereas the vessel has been placed on the National Register of Historic Places;*

*I, therefore, designate the site of the U.S.S. Monitor to be*

## The Monitor Marine Sanctuary

*the area of which is to encompass a vertical section of the water column from the surface to the seabed and extending horizontally one mile in diameter from a center point located at 35°00'25" North Latitude and 75°24'32" West Longitude; and hereby affirm that the regulations promulgated according to the aforementioned authority will provide the necessary protection of law to preserve the aesthetic values of this Historic Place.*

January 30, 1975  
Date



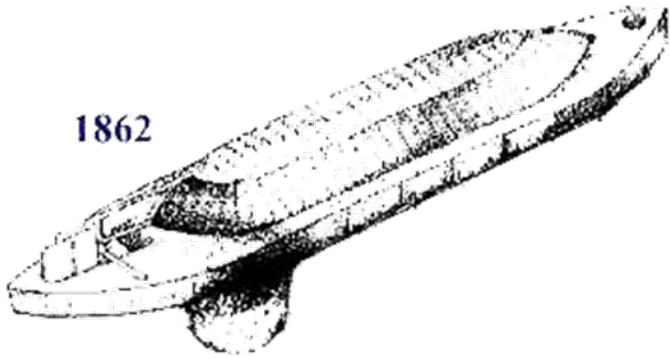
*Frederick B. Dent*  
Frederick B. Dent  
Secretary of Commerce

**The *Monitor* National Marine Sanctuary was established by Congress on January 30, 1975, the 113<sup>th</sup> Anniversary of the *Monitor*'s launching at Greenpoint, NY.**

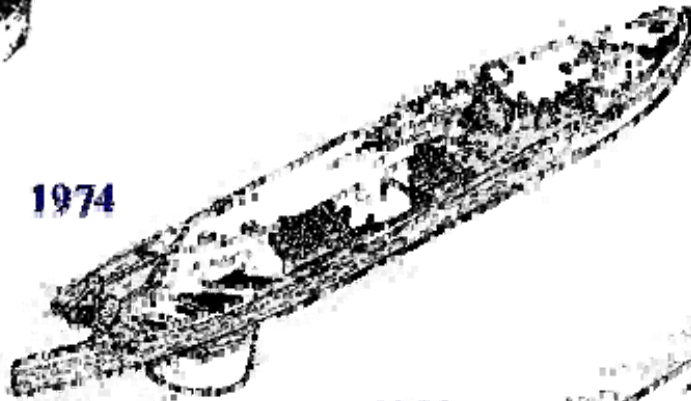


## Deterioration of the *USS Monitor*

1862



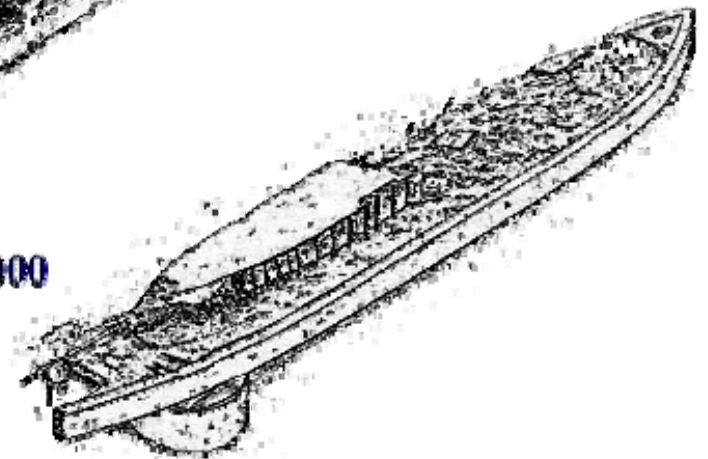
1974



1990



2000



Due to its rapid rate of deterioration, Congress mandated in 1996 that a plan be developed to conserve and preserve the *Monitor*.





# Recovery and Archaeology



*USS Monitor Mosaic*

*Monitor Collection, NOAA*



# Recovery and Archaeology



In 1998, work begun with the U.S. Navy to recover iconic pieces of the *Monitor*.

Propeller and shaft (1998)

Engine (2001)

Turret (2002)

....the turret was partially excavated to reduce the lift weights.



Monitor Collection, NOAA



# Recovery and Identification





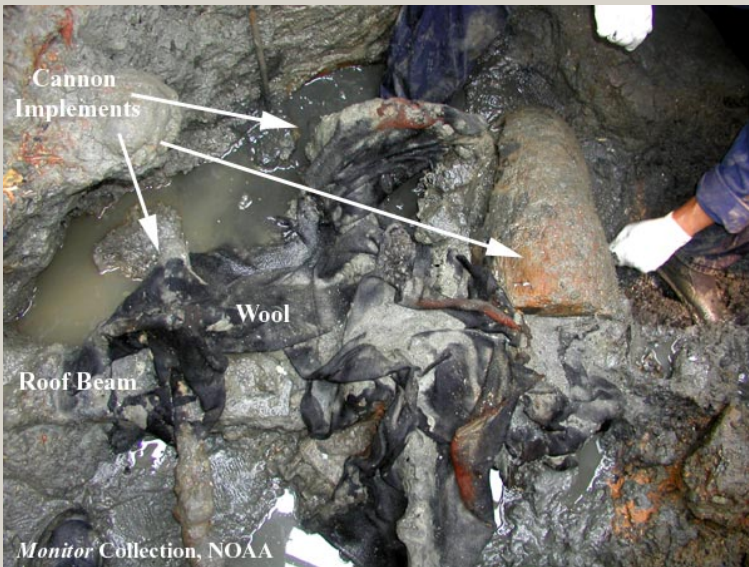
# Monitor Expedition 2002 – Turret Recovery



**August 5, 2002 5:47 PM**



# Turret Excavations



**August – December 2002**



# USS Monitor Center at The Mariners' Museum



Opened March 2007





# USS Monitor Center at The Mariners' Museum





# Conservation



## USS *Monitor* Center Batten Conservation Laboratory Complex

