Florida Keys National Marine Sanctuary

Maritime Heritage Management

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Interconnected Resources
Sanctuary’s Maritime Heritage

Native American Cultures -- submerged archaeological sites -- dating to 15,000 years before present to 19th century

Shipwrecks covering broad periods of maritime history --

European Colonial --16th to 19th Century
American --18th to early 20th Century
Modern --Early 20th Century to WWII

Historic structures -- Offshore aids to navigation that helped mariners safely transit the maritime highway along the Florida Keys

Imagery Courtesy of Joan Borel and FloridaMemory.com
An estimated 2000 shipwrecks are thought to have occurred in the Florida Keys since European conquest of the New World.

Plano de los Cayos de la Florida, Juan de Liguera Antayó, 1742
Crossroads of the Atlantic World

Herman Moll, 1732, Map of the West Indies, Mexico and New Spain
Historical Resources Definition

• Maritime Heritage Resources (MHR)
• Submerged Cultural Resources (SCR)
• Underwater Cultural Heritage (UCH)
• Historical and Cultural Resources

Include:

• Shipwrecks, Aircraft, Aids to Navigation, Native American Sites/Artifacts
• Non-renewable sites/artifacts of historical, archaeological or cultural interest
• Common heritage: who we are, what is important to us, where we live, what we do and how we do it
Why are Historical Resources Important?

• They give us unique information about our past

• They provide exciting opportunities for recreational and educational experiences

• They attract tourism and increase opportunities for commerce
Illegally removing or moving artifacts, or damaging archaeological sites rob the American People of their history.

• Historical Resources are non-renewable
• Artifacts removed or moved lose context

False perceptions about wrecks:
- Out-of-sight, out-of-mind
- Finders-keepers mentality
- Environment destroys anyway
National Marine Sanctuary Regulations

- Prohibitions Include:
  - Movement of, removal of, injury to, or possession of sanctuary historical resources, without permit
  - Alteration of, or construction on the seabed. Drilling into, dredging, or otherwise altering the seabed of the sanctuary, or constructing, placing or abandoning any structure, material, or other matter on the seabed.

- What does this mean?
  - Take only pictures, do not touch, pick up, or move artifacts, do not hand-fan sediment to expose artifacts.
Maritime Heritage Management

• Inventory the area’s historical resources to develop information allowing the ONMS to make informed decisions about resource protection and management
• Permit participatory research, documentation, and curation of historical resources
• Develop community-based stewardship for the sanctuary’s maritime heritage
• Interpret Florida Keys maritime heritage for the public
Research Partnerships

1733 San Pedro Underwater Archaeological Preserve: Photogrammetric Site Plan, July 2015

San Pedro, June 2018

City of Washington
Benwood
1910 - 1942

2006 Photomosaic

2017 Photogrammetry
Elbow Reef Steamships

Hannah M. Bell

Acorn
Carysfort Reef Landscape Study

UNIVERSITY
OF MIAMI

National Marine Sanctuaries

Department of Commerce

[Images of marine research activities, including people on a boat, a building on the shore, a helicopter, underwater scenes, and a drone.]
Molasses Reef Landscape

THE PAST FOUNDATION
Cooperative Management with Florida’s Division of Historical Resources

Programmatic Agreement for FKNMS Operations, Management, and Permitting
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<th>NUMBER</th>
<th>PERMITTEE</th>
<th>ASSOCIATION</th>
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<td>Corey Malcom</td>
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Pickles Reef: Cement Barrel Wreck

Site Map Courtesy Maritime Archaeological and Historical Society (MAHS)
Management Challenges

Unpermitted Disturbance

Marine Debris Cleanup
Exhibits: Treasures of NOAA’s Ark
Exhibits: Artifacts on Display

- Florida Keys History and Discovery Center
- Key Largo Chamber of Commerce
- Mel Fisher Maritime Maritime Museum
- Crane Point Museum
Exhibits: Upcoming

- History of Diving Museum – Diving With A Purpose
- John Pennekamp Coral Reef State Park Visitor Center
- Eco-Discovery Center Exhibit Refresh
Public Stewardship and Citizen Science

HERITAGE MONITORING SCOUTS

FLORIDA PUBLIC ARCHAEOLOGY NETWORK

HERITAGE AWARENESS DIVING SEMINAR

Key West, FL. June 14-16, 2018

Are you an educator, resource interpreter, or outreach specialist? Join the Florida Public Archaeology Network for its next Heritage Awareness Diving Seminar! Participants will be introduced to underwater historic preservation and why it is so important to proactively protect shipwrecks, artificial reefs, and other underwater cultural sites. Upon completion of the Seminar, attendees will be able to teach others about underwater cultural resources like shipwrecks and will know how to promote sustainable underwater heritage tourism in their area.

This three-day seminar will include two evenings of classroom-based learning and one day of in-field dive training that provides direct experience relating to classroom discussions. Cost is $150 and includes all course materials and charter boat fees. For non-divers, cost is $50 and includes all course materials.

Receive a teaching outline and all classroom modules
Discover opportunities in underwater heritage tourism
Explore maritime archaeology and shipwrecks
Course includes two shipwreck dives

For more information or to reserve your spot, visit FPAN.us/HADS or contact Nicole Grinnan, Florida Public Archaeology Network, Northwest Region ngrinnan@uwf.edu 850.595.0050
Public Interpretation

Shipwreck Trail

- Amesbury
- Benwood
- Duane
- Eagle
- San Pedro
- Adelaide Baker
- Thunderbolt
- North America
- City of Washington
French Reef: *Benwood*

Shipwreck Trail

Imagery Courtesy of SSHSA
VIRTUAL DIVES

An immersive 360 view of your national marine sanctuaries

sanctuaries.noaa.gov/VR
sanctuaries.noaa.gov/VR/floridakeys
French Reef: Benwood

360 Panorama VR Dive

https://sanctuaries.noaa.gov/vr/florida-keys/benwood-wreck.html
Thank you