



2017 NOAA Preserve America Internal Funding Program Recipients

Honoring NOAA's Natural Heritage Assets – Endangered and Threatened Species of the Northwest Pacific Coast

\$12,000

Project Lead: Mary Arkoosh, Newport, OR
NOAA Fisheries

This project will create an exhibit showcasing NOAA's natural heritage assets – endangered and threatened (E/T) species of the Northwest (NW) Pacific Coast. A large mosaic nautical chart produced by NOAA's Office of Coast Survey of the NW Pacific Coast will be captured on stoneware tiles and displayed on the wall. Large ceramic platters will be used to illustrate E/T species and NOAA's Marine Operations Center-Pacific research vessels used to study these species and their habitat will be placed around the nautical chart. E/T species will also be illustrated on large vases atop pedestals for a floor display. The exhibit will be displayed at Oregon State University Hatfield Marine Science Center Visitor Center in Newport, Oregon.

FKNMS Shipwreck Trail Three-Dimensional Photogrammetric Documentation

\$11,131

Project Lead: Michael Buchman, Key West, FL
NOAA National Ocean Service

This project centers on the use of cutting-edge photogrammetric modelling of select NOAA maritime heritage resources on the Florida Keys National Marine Sanctuary Shipwreck Trail (SWT). Current access to these submerged museums is essentially limited to a small segment of divers. Collaborating with the Indiana University (IU), the sanctuary and its partners will collect field data from select, heavily-dived sites on the SWT and create 3D. The 3D images will be made available on the sanctuary's website as well as partners' websites. IU faculty will introduce the 3D modeling technology and train staff on the field methods of collecting data. Instructors will in turn be able to train their students and conduct projects in community service, documentation, monitoring, recording historical resources, and outreach and education.

Restoration of the Pathfinder: Jacobsen's Painting of a Storied Coast and Geodetic Survey Early Ship

\$12,000

Project Lead: Deirdre Clarkin, Silver Spring, MD

NOAA Research

The NOAA Central Library rare books collection includes an oil painting of the PATHFINDER, one of the Coast and Geodetic Survey's early ships. The 1899 painting is the oldest extant painting in NOAA's possession of a NOAA ancestor ship. The PATHFINDER's career spanned 40 years charting Philippine waters before its loss in the early days of WWII. The painter was Antonio Jacobsen (1850-1921), a significant artist whose works have been exhibited in the Smithsonian, the Mariners Museum and Park, and featured on an episode of the PBS TV series, "Antiques Road Show." Unfortunately, the PATHFINDER painting has suffered damage through the years. Funds will be used to clean, restore and reframe the painting. A history of the ship and its personnel will be written concurrently.

Historical Tornadoes across the Dakotas

\$1,900

Project Lead: Scott Doering, Aberdeen, SD

NOAA National Weather Service

One of the earliest photographs of a tornado was taken near Howard, South Dakota, in 1884. This project will research additional historical tornado photographs from across the Dakotas and preserve them for public use by creating an indoor visual display. This display will be installed at the Dorothy's House in the Land of Oz section of Storybook Land in Aberdeen, South Dakota. Dorothy's House is a replica of a pioneer farmhouse and also contains a simulated tornado machine. Adding a historical tornado display to Dorothy's House will preserve early tornado accounts and records, merge local history and weather history, allow visitors to appreciate hardships of the area's earliest settlers, and teach the public about tornadoes and weather safety.

Diving the Dairyland: Protecting Wisconsin's National Maritime Heritage by Fostering Public Awareness, Exploration and Access

\$6,000

Project Lead: Russ Green, Sheboygan, WI

NOAA National Ocean Service

In 2015, the State of Wisconsin and several communities along Wisconsin's mid Lake Michigan coast successfully nominated the 1,075-square-mile Proposed Wisconsin-Lake Michigan National Marine Sanctuary with the aim of protecting 37 historic shipwrecks of national significance. NOAA, the State of Wisconsin, coastal communities, and other partners seek to create broad public awareness of this exceptional area through an engaging, online GIS-driven Story Map that leverages the historical, archaeological and recreational power of the proposed sanctuary's shipwreck sites to engage and mobilize the public. Combining decades of imagery and new research by the Wisconsin Historical Society with the latest in GIS-driven interactive maps, the team will create an online experience that tells an engaging story, fosters awareness of NOAA heritage assets, and offers easy-to-access information for diving, snorkeling and kayaking in the proposed sanctuary. The map will also lead visitors to related on-shore cultural attractions such as museums, wayside signage and historic sites.

Mapping Sonoma’s Doghole Ports
\$5,325

Project Lead: Matthew Lawrence, Sonoma Coast, CA
NOAA National Ocean Service

California’s Sonoma County coast is renowned for its scenic natural beauty; however, the area’s history is intimately connected with urban development. During the nineteenth century, forest products were shipped by small schooners and steamers from a network of small “doghole” ports. Between 1860 and 1930, the U.S. Coast Survey and later the U.S. Coast and Geodetic Survey mapped this rugged coastline to make navigating to and from these ports safer and easier. Today, these tremendously detailed maps hold the story of the extensive lumber industry that has since been largely erased from the landscape. Thousands of visitors stand on the coastal cliffs at the parks overlooking Greater Farallones National Marine Sanctuary enjoying the view without awareness of the lumber activities that occurred at their vantage points and the role that the U.S. Coast and Geodetic Survey played in the transformation of California. To connect visitors and residents alike to the area’s history, the Office of National Marine Sanctuaries will collaborate with the Office of Coast Survey and California’s Department of Parks and Recreation to develop and install five interpretive signs revealing the doghole ports through archaeological research, historic photographs and Coast Survey maps at three state parks.

WWI Centennial Commemoration and Interpretative Water Trails at Mallows Bay
\$12,000

Project Lead: Sammy Orlando, Annapolis, MD
NOAA National Ocean Service

April 2017 marks the 100-year anniversary of United States’ entry to World War I and the building of the Emergency Fleet. One hundred twenty of these historic wooden steamships now rest in the Mallows Bay area of the Potomac River. Funding will support: (1) the design and installation of interpretative water trail and ship identification markers that link to a numbering system within a newly developed “story map” that identifies three paddling itineraries through Mallows Bay and provides brief narrative for each of the numbered historic resources along these routes; (2) laminated paddle maps that illustrate water trail itineraries and interpret numbered historic resources; and (3) a short narrated film to document the story of the U.S. Emergency Fleet, including construction at more than 40 shipyards across the country and the “shipbreaking” operations that deconstructed the vessels. This story is fundamental to public understanding of the current condition of the fleet in Mallows Bay.

Voices of Papahānaumokuākea: Hawaiian Oral Histories on Cultural Heritage in Large Scale Marine Protection
\$12,000

Project Lead: Kalani Quiocho, Honolulu, HI
NOAA National Ocean Service.

This project includes a series of ethnographic interviews that will document the formative history of the Papahānaumokuākea Marine National Monument (PMNM) and will focus on the perspective of Native Hawaiian leaders who are responsible for a movement that resulted in effective advocacy and protection for the Northwestern Hawaiian Islands (NWHI) from 2000 to 2016. While focused on the mission of the Monument, this project will help us to gain insight into indigenous principles, philosophies, and unique epistemologies deeply embedded in native worldview and the relationship between people and place. This project will capture the important

role that the Native Hawaiian community had in historical timeline events with the establishment of: a) the Northwestern Hawaiian Islands Coral Reef Ecosystem Reserve in 2000 by President Clinton; b) the Northwestern Hawaiian Islands Reserve in 2005 by the State of Hawai'i; c) the NWHI Marine National Monument in 2006 by President Bush; d) the inscription of the region as the first, and currently only, mixed World Heritage Site in the U.S. in 2010; and e) the most recent proclamation for the expansion of the Monument in 2016 by President Obama. The interviews will be used to create a short film and a number of video clips that will be accessible through various media outlets and featured at various museums and interpretive centers in Hawaii and elsewhere.

Capturing History and Forging the Future: Alaskan Native Women in Fisheries
\$12,000

Project Lead: Anna Santos, Seattle, WA
NOAA Fisheries

This oral histories project will provide insight into the experiences of Native Alaskan women including their historical and current subsistence and commercial practices in fisheries. Furthermore the project will explore how these women and others have identified and responded to the impacts of climate change and other drivers of change. Through this project, women will be able to voice their stories of how they have historically interacted with fishery resources and how climate change may be impacting current subsistence practices. Oral histories will be housed in NOAA Fisheries' Voices from the Fisheries compilation as a special collection for public access, and documentary media will be produced contributing to Bristol Bay Native Association's cultural video collection and made available on NOAA Fisheries AFSC website. These products will preserve the history of Native women's experience in fisheries of Alaska, can be utilized as educational and outreach products by communities, and inform researchers, fishery managers and the general public.

Southern California's Forgotten Coastal Treasures: The Plight of Steelhead and White Abalone
\$9,640

Project Lead: Stacie Smith, Long Beach, CA
NOAA Fisheries

Southern California is home to the endangered southern steelhead and white and black abalone, three NOAA trust resources that have declined greatly and are considered iconic to this stretch of coast. Funds will be used to produce two short films that highlight the historic and cultural significance of the endangered southern steelhead and endangered white and black abalone and the threats that have led to their current endangered status. Interviews will be conducted with local conservation and restoration partners and incorporated into the film to highlight the efforts that NOAA and partners are investing to save these species. These video products will help to inspire public stewardship and ensure white and black abalone and steelhead are not lost forever. The video will be co-produced by Aquarium of the Pacific's film team for use with several permanent exhibits and be adapted for their multi-media hyperwall exhibit. The final video products will also be general enough to be used by other aquariums, nature centers, or educational programs in southern California that have identified video products as a critical need for their outreach efforts.