



2011 NOAA *Preserve America* Initiative Internal Funding Program Recipients

Classrooms Without Borders: Investigating the Fast Steel Flier Grecian

\$12,000

*Project Lead: Tane Casserley, Thunder Bay National Marine Sanctuary, Alpena, MI
National Ocean Service*

The Thunder Bay National Marine Sanctuary will partner with Alpena High School and the Great Lakes Environmental Research Lab to conduct a series of live dive interactive broadcasts from the shipwreck *Grecian*. This "fast steel flier" was a marvel of efficiency, serving J.P. Morgan's US Steel Corporation, the nation's first billion dollar firm. The *Grecian* is also one of the sanctuary's most popular dive sites and is a priority for comprehensive documentation. The goal of this project is to combine a series of interactive broadcasts to several sanctuary visitors' centers around the country with an archaeological assessment of the shipwreck led, in part, by Alpena High School history students, who have an exciting, historic NOAA asset in their backyard.

Highlighting 150 Years of Weather Observations in Asheville, North Carolina

\$3,500

*Project Lead: Greg Hammer, National Climatic Data Center, Asheville, NC
National Environmental Satellite, Data and Information Service*

Volunteer observers have been documenting weather phenomena in the Asheville, North Carolina area since 1857. An exhibit will be erected at Asheville's Colburn Earth Science Museum showcasing the history of the people who supported the weather and climate community. Education materials will also be developed to enhance the experience for visitors, many of whom are kindergarten-8th grade students.

Enhancing the Experience: A Mobile Audiovisual Tour of the Outer Banks

\$6,000

*Project Lead: Lauren Heeseman, MONITOR National Marine Sanctuary, Manteo, NC
National Ocean Service*

A video tour of North Carolina's Outer Banks has been developed by the *Monitor* National Marine Sanctuary, East Carolina University, and Emergent Pictures and will be available to the public in spring 2011. To further promote this project, the MNMS plans to purchase iPads for public viewing of these videos beginning in August of 2011. Rental iPads will be made available at the Pea Island Wildlife Refuge Visitor Center at the northern end and the Graveyard of the Atlantic Museum at the southern end for visitors to use during their tour. Visitors will be able to pick-up or drop-off these devices at either location.

How the Northwest Fisheries Science Center Changed the Game: Technological Contributions to Research Management in the Pacific Northwest

\$12,000

*Project Lead: Ruth Howell, Northwest Fisheries Science Center, Seattle, WA
National Marine Fisheries Service*

Over the last century, the Northwest Fisheries Science Center (NWFSC) made notable and innovative scientific and technological contributions to advance resource conservation and management, seafood safety and security, and response to unusual environmental events. Key senior personnel, who were instrumental in achieving these notable innovations, will be interviewed to document the history of the Center. The result of this project will highlight the NWFSC's evolution into a world-class fisheries research laboratory and communicate its contributions in advancing fisheries science and management through historic documents, cataloged images, and short videos posted to an interactive website.

Voyage to Discovery

\$11,000

*Project Lead: Michelle Johnston, Office of National Marine Sanctuaries, Silver Spring, MD
National Ocean Service*

Voyage to Discovery (VtD) is a multi-faceted initiative highlighting African-American maritime history through education, archaeology, and science. Through VtD, students will explore the ocean depths in an effort to identify a shipwreck that best illustrates significant African-American maritime achievements, while the core mission is to engage African-Americans in ocean conservation and marine careers by introducing them to stories in African-American maritime history, both past and present. Outreach materials, including a website, will highlight African-Americans' deep connection to the sea and optimism of the human spirit. Photos, social media videos, interviews, and untold stories of African-Americans and the sea will inspire

further curiosity and study for future generations and encourage greater ocean conservation awareness.

Documenting the Portuguese –American Experience in the Fishing Industry of New Bedford **\$11,850**

*Project Lead: Patricia Pinto da Silva, Northeast Fisheries Science Center, Woods Hole, MA
National Marine Fisheries Service*

More than half of the New Bedford, MA fishing fleet is comprised of Portuguese fishermen, boat operators, and boat owners. This number one fishing port in the U.S. is undergoing a rapid transformation, including the retirement of aging fishermen. This project will document their experiences by recording, transcribing and translating 15 oral histories with representative Portuguese members of New Bedford's fishing industry and by collecting photos and other documents related to their activity. These materials will be used to develop a variety of products and activities, such as k-12 teaching materials, exhibits, and publications, aimed at providing and preserving information relevant to the understanding of fisheries management, coastal restoration and the economic vitality of the port of New Bedford.

Replacement Weather Kiosk at Central Park's Belvedere Castle **\$12,000**

*Project Lead: Sean Potter, NWS Office of Communications, New York, NY
National Weather Service*

Weather observations have been taken in New York City's Central Park since 1869. In an effort to preserve and update NOAA's display of official weather observations and historical climate data for New York City, NWS formed a partnership with the Central Park Conservancy (CPC) to replace the outdated weather display at Belvedere Castle with a new, state-of-the-art, interactive touch screen kiosk. Visitors will be able to view real-time weather observations, climatological data, real-time radar images and weather forecasts, special educational modules and videos highlighting significant local weather events, as well as a host of historical information, including copies of original observation forms, historic photos, and a history of NOAA's National Weather Service and its predecessors in New York City.

The Ed Hastings Memorial Trail Project

\$10,350

Project Lead: Rory Saunders, Northeast Fisheries Science Center Maine Field Office, Orono, ME

National Marine Fisheries Service

NOAA's National Marine Fisheries Service and the US Fish and Wildlife Service are key Federal partners in the recovery of Atlantic salmon. The most immediate threat to Atlantic salmon is decreased marine survival and a primary recovery tool used is conservation hatchery stocking. NOAA Fisheries Service has assessed marine survival of hatchery fish through NOAA-led cooperative tagging studies of marine survival since the mid-1980s. This partnership provided key data that controlled catch rates of US fish in Greenland as well as increasing success of this stocking program with emerging technology known as visual implant elastomer (VIE) tags under the leadership of Ed Hastings, a contract biologist for NOAA who made significant contributions to the preservation of an invaluable NOAA trust resource: the genome of the endangered Atlantic salmon. Funding will complete the trail plan, purchase construction materials and educational signage. Interpretive signs focusing on the anadromous life cycle and the salmon's plight at sea will be developed jointly by NOAA staff, US Fish and Wildlife Staff, and the Friends of Green Lake National Fish Hatchery. The construction of the Ed Hastings memorial trail will honor his contributions and simultaneously seek to connect the interested public with natural resources through hands on exploration and educational opportunities.

The History of Weather Along Route 66

\$6,500

Project Lead: Kristin Scotten, Weather Forecast Office, Amarillo, TX

National Weather Service

This exhibit, to be displayed at numerous public events in Amarillo, TX, will highlight the unique weather history along the famous Route 66. From blizzards to tornadoes, NWS personnel will research and conduct interviews to develop an understanding of the weather history of Amarillo as well as create a Top Ten Route 66 Weather Events list which will be included in the exhibit.

Light Rail Meets Walking Path at NOAA

\$4,000

Project Lead: Doug Smith, Marine Operations Center, Norfolk, VA

Office of Marine and Aviation Operations

In 1933 US Coast and Geodetic Survey, now NOAA, established the Norfolk Office. This project will document the history of the Marine Operations Center (MOC) in Norfolk and increase NOAA awareness to the general public in downtown Norfolk. Through increased signage along the perimeter fencing of the NOAA facility and at the exterior of the site adjacent to the Norfolk "Tide" Light Rail and pedestrian paths, this project will strive to increase public awareness of NOAA and services provided by the MOC and ships.

Window on NOAA: Lihue, Kauai Airport Display**\$6,000**

*Project Lead: Allen Tom, Pacific Islands Region, Kihei, HI
National Ocean Service*

The NOAA Office of National Marine Sanctuaries has had a presence on the island of Kauai for more than 15 years. In 2008, the County of Kauai was awarded a Preserve America Community designation. The County has offered the Pacific Island Region an unprecedented opportunity to host an all-NOAA window display exhibit at the Lihue Airport. Over one million visitors traverse this airport annually, and additionally there are thousands of Hawaii residents who travel to and from Kauai. Through the NOAA display, island visitors will learn about the leadership role that NOAA has played in the rich natural, historic and cultural legacy of Kauai.

Additional Support for Small Projects**Total: \$14,400****Transcribing Oral Histories from the "Surface Analysis: Where it's going, where it's been" 2010 PAIIF Project**

*Project Leads: Marybeth Gerhardt and Katie Collins
Hydrometeorological Prediction Center, Camp Springs, MD
National Weather Service*

Film Conversion - 1969 Hurricane Camille and April 1974 Super Tuesday Tornado Outbreak

*Project Lead: Ron Gird
Office of Climate, Water, and Weather Services, Silver Spring, MD
National Weather Service*

USS MONITOR at Drewry's Bluff Interpretive Sign

*Project Lead: Jeff Johnston
MONITOR National Marine Sanctuary, Newport News, VA
National Ocean Service*

Enhancing New Mexico's Complex and Diverse Weather History

*Project Leads: Jennifer Palucki and Kerry Jones
Weather Forecast Office, Albuquerque, NM
National Weather Service*

Historical Film Conversion to Digital from Alaska Fisheries

*Project Leads: Rebecca Reuter, Gary Ducker and Brent Norberg
Alaska Fisheries Science Center, Seattle, WA
National Marine Fisheries Service*

Threatened and Endangered Fish in Idaho Traveling Display

*Project Lead: Shawna Theisen
Northern Idaho Branch Office, Grangeville, ID
National Marine Fisheries Service*