

## **2010 NOAA Preserve America Initiative Internal Funding Recipients**

### **The Historic Legacy of the R/V Albatross IV; the Ship and its Staff**

*Project Lead: Linda Despres, Northeast Fisheries Science Center, Woods Hole, MA*

*Line Office: National Marine Fisheries Service Funding Awarded: \$11,900*

The Albatross IV, built for the US Fisheries Commission in 1962, was the first purpose-built research stern trawler. As part of the Marine Resources Monitoring Assessment and Prediction program, it collected one of the largest data sets of oceanographic information, including information on many species, which has been used as the basis for many research papers and federal regulations for the Northeast. Funding will enable the story of both the physical history of the ship, as well as the history of those scientists and crew who sailed on it to be told. A permanent oral, pictorial, and video exhibit will be installed at the NOAA Woods Hole Science Aquarium, while the materials recorded and digitized will be made available through an online collection and further enhanced by a public lecture series. The oral histories recorded as part of this project will be added to the Voices from the Fisheries database.

### **Bringing History to the Surface: Live Broadcast from the wreck of the Montana**

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

*Line Office: National Ocean Service Funding Awarded: \$10,000*

The shipwreck Montana lies within the Thunder Bay National Marine Sanctuary (TBNMS). TBNMS is partnering with the City of Alpena, Michigan and NOAA's Great Lakes Environmental Research Laboratory to conduct a live dive interactive broadcast from the site of the shipwreck. Funding will facilitate a combined live broadcast from the site of the wreck with an archaeological assessment of the ships remains. The day long broadcast will be available to those attending an event at the Great Lakes Maritime Heritage Center in Alpena, MI, and to the public via a live internet feed. Local teachers will be invited to tune in so that their students can witness this historic event. Interpretive markers displaying imagery of the wreckage, maps, and general information on the Montana will help tell the story.

### **Bolder History: Earth Explorers – Stories from our Community**

*Project Lead: Carol Knight, Earth System Research Laboratory, Boulder, CO*

*Line Office: Office of Oceanic and Atmospheric Research Funding Awarded: \$11,000*

Boulder, Colorado has long been home to a host of NOAA Scientists. Funding for this multimedia, multigenerational project will allow middle school students to be introduced to the sweep of science discovery taking place in their community and give them the opportunity to capture the stories of these remarkable scientists. The Bolder History project will equip these young historians with cutting-edge technology, mentoring, and communication tools needed to compose and produce YouTube-type oral history videos to share with their community. These videos will be broadcast at local events, used as part of museum displays, and broadcast for the general public on the web.

### **Interactive Travelling Great Lakes Science Education and Maritime Heritage Exhibit**

*Project Lead: Margaret B. Lansing, Great Lakes Environmental Research Laboratory, Ann Arbor, MI*

*Line Office: Office of Oceanic and Atmospheric Research Funding Awarded: \$10,000*

A travelling, interactive exhibit will be designed to educate visitors about Great Lakes science and maritime heritage. The exhibit will preserve and feature historic NOAA assets and highlight NOAA's role in the Great Lakes and will include both historic materials on display and hands-on activities. The exhibit will stimulate conversations among a broad spectrum of visitors about Great Lakes science and maritime heritage and promote visitation to the scenic Great Lakes coasts, including the Thunder Bay National Marine Sanctuary. For a special event, the Thunder Bay NMS will broadcast a live webcast from a shipwreck to the Ann Arbor Hands-On Museum.

### **Traditional Ecological Knowledge: Reconstructing the Historical Run Timing and Spawning Distribution of Eulachon Through Tribal Oral History**

*Project Lead: Marc Romano, Protected Resources Division, Portland, OR*

*Line Office: National Marine Fisheries Service Funding Awarded: \$3,900*

Funds will be used to interview Cowlitz Indian Tribe Elders who lived along tributaries of the lower Columbia River and will capture the history of eulachon fishing by the tribe. Other tribal elders will

also be interviewed. Traditional Ecological Knowledge is an invaluable resource that will aid in the identification of key spawning habitat, timing of eulachon runs, and run differences between tributaries. This information will directly enhance NOAA and the Tribe's efforts to identify and protect critical habitat, increase abundance of the species, and achieve species recovery. This project follows on the Voices from the Fisheries database and supports NOAA's historical ecology efforts.

### **Taking the Coast Survey's Earliest and Indigenous Cartography Back Home**

*Project Lead: John Cloud, NOAA Central Library, Silver Spring, MD*

*Line Office: National Environmental Satellite, Data, and Information Service Funding Awarded: \$7,850*

The earliest American explorations of Alaska and into the Yukon accumulated an unparalleled archive of historic Russian maps, several sets of extraordinary maps created by Alaskan natives, and the Survey's own maps. The original manuscripts and published maps are now largely unknown and inaccessible. This project will rescue two of the most important surviving sets of historic indigenous cartography by capturing them digitally. They will be hand delivered to their native origins once they have been digitized and made available via the internet and other appropriate outlets.

### **Surface Weather Analysis: Where it is going, where it has been**

*Project Lead: Mary Beth Gerhardt, Hydrometeorological Prediction Center, Camp Springs, MD*

*Line Office: National Weather Service Funding Awarded: \$6,500*

Surface analysis techniques have vastly changed over the years with the advent of new technology and increased surface observation coverage. Funding will allow oral histories from retired and current National Weather Service employees to be captured, preserving the origins of surface analysis for generations of weather forecasters to come. Also, an exhibit showcasing surface analysis tools used throughout the generations will be erected at the NOAA Center for Weather and Climate Prediction in College Park, MD.

### **Showcasing the Northwest Fisheries Science Center Mukilteo Field Station**

*Project Lead: Frank Sommers, Mukilteo Field Station, Mukilteo, WA*

*Line Office: National Marine Fisheries Service Funding Awarded: \$5,000*

The Northwest Fisheries Science Center Mukilteo field station is situated on a site with great historic importance to native peoples as well as early Euro-American settlers. Funds will be used to develop interpretive signs that showcase the facility. These signs will become a part of an established walking path and will highlight the value and importance of marine resources. This endeavor will support the Mukilteo community by promoting heritage tourism.

### **The Civil War: Charting a More Perfect Union**

*Project Lead: Dawn Forsythe, Office of Coast Survey, Silver Spring, MD*

*Line Office: National Ocean Service Funding Awarded: \$11,900*

The rich history of NOAA's predecessor organization, Survey of the Coast, as well as NOAA's role during the Civil War is little known except to some academia and map and chart enthusiasts. The Office of Coast Survey will work with the National Park Service and West Virginia University to provide wider public access to maps, charts, and historical background that were of strategic importance before and during the war. A brochure will be developed and made available at NOAA events and Civil War sites through a partnership with the National Park Service. Since the charts and maps will be available online, links from various NOAA web pages, as well as information disseminated on social networking websites will drive users to these products.

### **Voices of the Past: Oral Histories from Coastal Georgia Commercial Fisheries**

*Project Lead: Cathy J Sakas, Gray's Reef National Marine Sanctuary, Savannah, GA*

*Line Office: National Ocean Service Funding Awarded: \$10,000*

Funding will support the collection of oral histories of fishermen from the Coastal Georgia Commercial Fisheries and documentation such as images and vessel logs and any other supporting materials. These will be used to create a report to illustrate the human impact on this seascape. The report will be posted on the NOAA Gray's Reef National Marine Sanctuary website along with the supporting images and clips of the interviews. Professional videographers will record the interviews while interns will research archived fishing records for South Carolina, Georgia and northeastern Florida. The oral histories collected through this project will be added to the Voices of the Fisheries database.

**Oral Histories: The Research and Development Behind the 1988-1999 Modernization of NOAA's National Weather Service**

*Project Lead: Barry Reichenbaugh, Office of Communications, Silver Spring, MD*

*Line Office: Office of Oceanic and Atmospheric Research Funding Awarded: \$2,500*

Between 1988 and 1999, NOAA completed the modernization and restructuring of its National Weather Service (NWS) to improve the quality and reliability of NOAA products and services for the protection of life and property and the economic well being of the nation. Funds will be used to interview both active and retired experts who were instrumental in conducting research and development which significantly contributed to the introduction of advanced weather observing and forecast decision technologies that formed the foundation for today's modernized National Weather Service. In a world of continuously changing technology, policy, and service, understanding the decisions that were made and the impact those decisions had will help when trying to navigate the future.

**Marine Operations Center -Pacific Totem Pole Restoration**

*Project Lead: Paul Chamberlain, Marine Operations Center – Pacific, Seattle, WA*

*Line Office: Office of Marine and Aviation Operations Funding Awarded: \$9,450*

In 1961 a three tiered, twenty-four foot, cedar thunderbird totem was made by the last known totem maker of the Thlinget tribe and given by the city of Wrangell, AK to the Marine Operations Center - Pacific to commemorate NOAA's hydrographic work in south east Alaska. Funds will be used to partner with tribal artists to restore the totem before it is moved. Once it arrives at its new home, signage will be erected alongside the pole relating its history and significance to the new community in which it will reside.