



2012 NOAA *Preserve America Initiative* Internal Funding Program Recipients

The Circle and the Triangle:

Alaskan Natives and the Coast Survey

\$6,650

*Project Lead: John Cloud, NOAA Central Library, Silver Spring, MD
National Environmental Satellite, Data and Information Service*

Maps, paintings, sketchbooks, and engraved tusks detailing the relationship that was forged between Alaskan natives and scientists of the Coast Survey are spread throughout Alaska and the lower 48. This history of collaboration is now locked within these treasures and will be studied, catalogued and documented to reconstruct the role NOAA played in Alaska during the late 1800s. The historical knowledge gained from this endeavor will be shared with both the NOAA family and the public. Materials will be used to develop a museum exhibit in the near future.

2011 Super Outbreak – An Interactive Exhibit

\$12,000

*Project Lead: Chris Darden, Southern Region, Weather Forecast Office
Huntsville, AL
National Weather Service*

The 2011 Super Outbreak was the deadliest tornado outbreak in the United States since 1936. On April 27th alone, 247 fatalities were reported in the state of Alabama. Many communities across the state were devastated, and the damage (physical and psychological) will remain for decades to come. Due to “recent” memorable tornado events that have impacted the region including the 1974 Outbreak, the 1989 Huntsville Tornado, and the 1995 Tornado Outbreak, many citizens in this area were already very weather sensitive and conscious. As a result of these events, the interest in earth and atmospheric sciences has grown even greater.

To help preserve the historical significance of this event and to expand the knowledge base of the local community and enhance the recently “weather ready nation” campaign, funds will be used to develop and support an interactive kiosk display that will display a variety of weather data, stories, pictures, videos, and

information from the 2011 Super Outbreak. This kiosk would be placed in the Sci-Quest Hands-On Science Center in Huntsville, AL.

Education and Outreach Protecting Endangered and Threatened Salmon and Steelhead Incorporating Tribal Culture **\$12,000**

Project Lead: Rebecca Dittmann, Habitat Conservation Division, Northwest Region, La Grande, OR

National Marine Fisheries Service

Pacific Northwest anadromous salmon and steelhead species populations have been in decline for several decades resulting in the threatened and endangered listing under the Endangered Species Act. Northwest Tribal communities for thousands of years have educated generations with their knowledge of the need for protecting and preserving healthy salmon and steelhead populations and their habitats. This project will build and expand partnerships between NOAA, NPS Whitman Mission, Tribes, Eastern Oregon University, and the Think Link Discovery Center Children's Museum and support the development of education and outreach exhibits, and traveling trunk units that will incorporate education on Pacific Northwest anadromous salmon life cycle, biological and ecosystem needs and protecting and preserving these threatened and endangered species. The project will incorporate sharing aspects of Tribal cultural knowledge, stories and values on protecting quality habitat and preserving salmon for future generations. These educational units will be used throughout Tribal and non-tribal communities in rural communities in Oregon and Walla Walla Basin, Washington.

Your Sanctuary TV Show on Access Monterey Peninsula (AMP) TV **\$6,000**

Project Lead: Dawn Hayes, Monterey Bay National Marine Sanctuary, Office of National Marine Sanctuaries, Monterey, CA

National Ocean Service

The new *Your Sanctuary* television show on AMP TV and online is designed to highlight a variety of sanctuary resources, natural and cultural history components, and feature local businesses, recreation and best practices for enjoying the sanctuary. The pilot aired in October 2011 and three new episodes are near completion. Funding will assist in the development of 2-3 episodes, based on maritime heritage assets and culturally unique components of the region. Each episode includes guest interviews, rich video imagery, and features one local business with a sanctuary connection. These are run on the local cable channel hosted by Comcast and ATT and streamed on MPmedia.org, which can be viewed worldwide.

The USS Monitor and NOAA: A Look through Time

\$12,000

*Project Lead: Shannon Ricles, Monitor National Marine Sanctuary,
Office of National Marine Sanctuaries, Newport News, VA
National Ocean Service*

In partnership with the National Institute of Aerospace (NIA), known for its Emmy® winning production skills, a 30-second PSA and a 10-minute video will be created detailing the significance of the USS Monitor and NOAA's role in its protection and conservation. Thousands of hours of video footage documenting the history of the USS Monitor from discovery, to the creation of the first national marine sanctuary, to recovery, and to the present day, will be used. The videos will include some never before seen footage collected during the last 35 years that chronicles changes in the shipwreck over time and conservation efforts used to preserve this legacy for all generations.

Through NIA's extensive distribution network of cable access stations and educational partners, the videos will be offered to public television stations across the U.S. and to various public school districts. This project will serve a valuable educational need for students across the country, and particularly those in Hampton Roads. The PSA will serve to draw the public's attention to the need to protect and conserve the Monitor. DVD copies of the videos and materials will also be distributed to school districts and at educational conferences. This educational awareness project coincides with the 150th Anniversary of the USS Monitor.

"Lured" into the Past: Inspiring Conservation by Reliving the Good Ol' Days of Fishing in Humboldt Bay

\$6,500

*Project Lead: Zane Ruddy, Protected Resources Division, Southwest Regional Office
Arcata, CA
National Marine Fisheries Service*

Abundant fish stocks once sustained a thriving fishing culture in the Humboldt Bay region. However, over the past century many of these stocks, most notably salmon and steelhead, declined to the point of being listed as threatened under the Endangered Species Act. The U.S. Fish and Wildlife Service, a vital salmon and steelhead recovery partner, has recently restored a 100 year-old redwood cabin at the Humboldt Bay National Wildlife Refuge to serve as an interpretive center for visitors. The Refuge will partner with NOAA to integrate educational interpretive panels and an exhibit that will depict a day in the life of the "good ol' days" of fishing. The rustic cabin provides an ideal setting to transport visitors to a time when fishing was an essential part of life for Humboldt Bay residents. The project's goal is to inspire the local community to conserve and protect their local imperiled species while also preserving local historical fishing equipment, stories, and photographs.

Black Hills Flood 40th Anniversary Exhibit**\$12,000**

*Project Lead: Susan Sanders, Central Region, Weather Forecast Office
Rapid City, SD
National Weather Service*

The Black Hills Flood on June 9, 1972, was one of the worst flash floods in the United States in terms of deaths, damages, and intensity. It was the first major flash flood caused by heavy rain over narrow canyons to be studied extensively by meteorologists. The detailed data collected about the event has greatly increased our understanding and knowledge of flash floods and improved our warnings of these dangerous incidents.

To commemorate the 40th anniversary of the flood, the National Weather Service is partnering with the Journey Museum of Rapid City, which hosts 30,000 visitors a year, to design and fabricate an exhibit that will highlight this story. Storyboards, images, and videos will provide a comprehensive narrative of Black Hills floods and recent technology developments that provide more timely detection and warning of flash floods. A major goal of the exhibit is to educate people, especially current residents who did not personally experience the flood, on the magnitude of the flood and how the city and NWS have responded.

Longline Bycatch Reduction Through the Use of Traditional Makah Halibut Hooks (Chibooods)**\$9,000**

*Project Lead: Ian Stewart, Northwest Fisheries Science Center, Seattle, WA
National Marine Fisheries Service*

Funds will be used to document the design, use and fishing performance of chibooods, the traditional halibut hook of the Makah Tribe. Chibooods are of particular interest to fisheries because archeological studies report they are size-selective for halibut and may, in fact, reduce capture of non-target species. It is felt that the revival of this American heritage asset could increase the sustainability of modern longline halibut fisheries. The project will: 1) contract and document the traditional knowledge of Makah elders as they construct and test traditional halibut fishing gear, including lines, weights, floats, and chibooods; 2) design and test metal chibooods and longline configurations to duplicate the fishing behavior of the traditional wooden chiboood; and 3) include an experimental design to test whether chibooods have less bycatch and are more size-selective than circle hooks when deployed on a contemporary longline.

TOTAL: \$76,150