NFWF

Electronic Monitoring & Reporting Grant Program 2016 Grant Slate

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Red snapper

ABOUT NFWF

The National Fish and Wildlife Foundation (NFWF) protects and restores our nation's fish and wildlife and their habitats. Created by Congress in 1984, NFWF directs public conservation dollars to the most pressing environmental needs and matches those investments with private funds.
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NATIONAL HEADQUARTERS

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OVERVIEW

The Electronic Monitoring and Reporting (EMR) Grant Program was launched in 2015 to catalyze the implementation of electronic technologies in U.S. fisheries and aims to systematically integrate technology into fisheries data collection for improved fisheries management. The EMR Grant Program – administered as a separate program under the Fisheries Innovation Fund – is supported by the National Oceanic and Atmospheric Administration and the Gordon and Betty Moore Foundation.

The EMR Grant Program supports the implementation of voluntary cost-shared electronic monitoring and reporting solutions that support fisheries conservation and management throughout the United States. The ten (10) grants awarded in 2016 will advance electronic technology implementation through improvements in the quality, accuracy, and timeliness of both commercial and recreational fisheries data. Projects will apply proven electronic monitoring and reporting strategies at-scale through regional implementation. In addition, projects will continue to advance technological innovations that improve data review and storage. The 2016 grants total more than $3.35 million, and will be matched by nearly $3.23 million in additional support from the grantees, for a total on-the-water impact of more than $6.58 million.

(continued)

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EMR Grant Program - 2016 Grants *continued*

GULF OF MEXICO

1) Expanding Electronic Reporting to For-Hire Vessels in Louisiana to Support Gulf-Wide Implementation
Grantee: CLS America
NFWF Award Amount:............................$520,750
Matching Funds:..................................$520,750
Total Project:................................ $1,041,500

Equip up to 100 charter for-hire fishing vessels in Louisiana with satellite-based electronic logbooks to efficiently and accurately collect recreational fisheries data for species such as red snapper and grouper. Project will expand upon an existing project to facilitate Gulf-wide implementation of electronic reporting, resulting in electronic data collection from over 350 charter vessels in all five Gulf states.

2) iSnapper: Electronic Data Collection in the Gulf of Mexico Red Snapper Recreational Fishery (TX)
Grantee: Harte Research Institute - Texas A&M University-Corpus Christi
NFWF Award Amount:............................$241,088
Matching Funds:..................................$241,171
Total Project:................................. $482,259

Implement the smart device application iSnapper as an electronic data collection tool in the red snapper recreational fishery in the Gulf of Mexico. Project will recruit private anglers to electronically log their catch and effort information in order to supplement data collection and improve the timeliness and robustness of recreational catch data.

3) Gulf-Wide Electronic Monitoring for a Sustainable Commercial Reef Fish Fishery (FL, LA, TX)
Grantee: Mote Marine Laboratory
NFWF Award Amount:............................$544,524
Matching Funds:..................................$544,529
Total Project:................................ $1,089,053

Advance implementation and integration of electronic monitoring on up to 20 commercial fishing vessels in the reef fish fishery in the Gulf of Mexico, to support improved data collection on commercially important species such as snapper and grouper. Project will build on successful pilots and expand to Gulf-wide implementation of electronic monitoring to improve catch and discard monitoring.

NORTH PACIFIC

4) Pre-Implementation of Electronic Monitoring for Alaska's Pot Cod Fishery
Grantee: Saltwater, Inc.
NFWF Award Amount:............................$595,047
Matching Funds:................................$1,050,000
Total Project:................................ $1,645,047

Support pre-implementation of electronic monitoring on up to 30 vessels in the Alaska Pacific cod fixed gear fishery. Project will build on successful pilot efforts to implement a cost-effective data collection and management infrastructure that will provide timely and accurate catch accounting data for fisheries managers and support full implementation of electronic monitoring in the Alaska pot cod fishery by 2019.

NEW ENGLAND

5) Using Incentives to Advance Electronic Monitoring in the New England Groundfish Fishery (MA, ME)
Grantee: Gulf of Maine Research Institute
NFWF Award Amount:............................$596,493
Matching Funds:..................................$298,246
Total Project:................................. $894,739

Create incentives for fishermen to adopt electronic monitoring for catch accounting and compliance monitoring of species such as Atlantic cod, flounder and others in the New England groundfish fishery. Project will implement an innovative maximized retention model, which will provide improved accountability through 100 percent video monitoring coverage while allowing fishermen to minimize discards at sea and retain the majority of their catch.

6) Strengthening Electronic Monitoring in the New England Groundfish Fishery (MA, ME, NH)
Grantee: Cape Cod Commercial Fishermen's Alliance
NFWF Award Amount:............................$553,423
Matching Funds:..................................$277,226
Total Project:................................. $830,649

Expand participation and build upon a successful electronic monitoring program for the New England groundfish fishery – including Atlantic cod, flounder and other species. Project will continue to implement and evaluate electronic monitoring strategies that effectively improve accountability through enhanced video monitoring coverage, while simultaneously partnering with independent scientists to explore new opportunities to leverage electronic data into improved long-term fisheries management.

PACIFIC COAST

7) Tribal Electronic Fish Ticket System: Transitioning from Paper to Electronic Reporting (WA)
Grantee: Northwest Indian Fisheries Commission
NFWF Award Amount:............................$100,119
Matching Funds:..................................$101,000
Total Project:................................. $201,119

Modernize seafood catch data collection among 20 treaty tribes in western Washington through a transition from

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EMR Grant Program - 2016 Grants *continued*

Electronic Monitoring Footage of Pot Cod Fishermen, Alaska | Credit: Saltwater, Inc.

paper-based fish tickets to electronic fish ticket reporting in all fisheries under the Northwest Indian Fisheries Commission jurisdiction. Project will outfit over 200 fish dealers and 800 seafood buyers with electronic reporting capabilities, while providing trainings to ensure faster and more accurate reporting.

8) Expand Electronic Fishing Logbooks for Commercial Passenger Fishing Vessels in Southern California
Grantee: Sportfishing Association of California
NFWF Award Amount: $50,678
Matching Funds: $50,679
Total Project: $101,357

Implement electronic logbook reporting among the entire recreational commercial passenger fishing vessel fleet in Southern California. Project will build on previous efforts - that successfully equipped over 150 vessels - by distributing an additional 40 electronic logbook tablets and providing extensive trainings to achieve complete electronic reporting coverage among the fleet.

WESTERN PACIFIC
9) Develop Low-Cost Electronic Catch and Bycatch Monitoring System in Small-Scale Fisheries (HI)
Grantee: Gettysburg College
NFWF Award Amount: $49,854
Matching Funds: $50,000
Total Project: $99,854

Develop a low-cost electronic monitoring system to augment human observers in small-scale fisheries in Hawaii. Project will develop electronic monitoring technology and software to efficiently and cost-effectively gather accurate fisheries data, including target catch rates and bycatch rates of marine megafauna – such as sea lions, sharks and sea turtles – to assist in the management of U.S. small-scale fisheries.

NATIONWIDE
10) Accelerate Development of Automated Fish Identification for Electronic Monitoring Systems (Multiple)
Grantee: Kate Wing Consulting
NFWF Award Amount: $99,389
Matching Funds: $100,000
Total Project: $199,389

Build publicly available image datasets of fish species frequently caught in two major U.S. fisheries, the Eastern Tropical Pacific tuna fishery and the New England groundfish fishery. Project will host a competition among computer programmers to use the image datasets to write open source algorithms that efficiently automate data review, which will help increase accuracy while reducing cost and staff resources associated with reviewing electronically monitored fisheries data.