

Electronic Monitoring and Reporting 2019 Grant Slate

NFWF CONTACTS

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FUNDING PARTNERS



WALTON FAMILY FOUNDATION



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. Learn more at www.nfwf.org

NATIONAL HEADQUARTERS

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Jamestown, Rhode Island

OVERVIEW

The National Fish and Wildlife Foundation (NFWF), the National Oceanic and Atmospheric Administration (NOAA), the Walton Family Foundation, and the Kingfisher Foundation announced a 2019 round of funding for Electronic Monitoring and Reporting projects. Fourteen new fisheries conservation grants totaling \$3,925,179 were awarded. The 14 awards announced generated \$5,707,142 in match from the grantees, providing a total conservation impact of \$9,632,321.

The Electronic Monitoring and Reporting Grant Program seeks to catalyze the implementation of electronic technologies in U.S. fisheries in order to systematically integrate technology into fisheries data collection and modernized data management systems for improved fisheries management. This year's grant slate funded projects to implement electronic technologies strategies and modernize data management systems.

The following 14 projects address two key strategies to advance electronic technology implementation in U.S. fisheries: 1) test and deploy e-technology in fishery data collection and 2) modernize data management systems. In many cases, projects address both strategic priorities.

Implementing Electronic Monitoring for the Pollock Trawl Fishery in the Western Gulf of Alaska (AK)

Grantee: Aleutians East Borough

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Grant Amount:	\$531,217
Matching Funds:	\$1,262,134
Total Project Amount:	\$1,793,351
Increase electronic monitoring for discard compliance in the small	vessel Pollock mid-
water trawl fleet in the Western Gulf of Alaska. Project will install e	lectronic monitoring
systems onboard vessels, develop compliance plans for these vesse	ls, conduct shore
based counts of salmon bycatch, and develop cost-effective data ma	anagement tools.
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Using Electronic Monitoring for Sustainability in the Gulf of Mexico Reef Fish Fishery (FL, LA, TX)

Testing Electronic Monitoring to Address Observer Constraints in the Swordfish Deep-Set Fishery (CA)

Pre-Implementation of Electronic Monitoring in New England's Groundfish Fishery (MA, ME, NH, RI)

Integrating Artificial Intelligence Algorithms to Strengthen Electronic Monitoring (MA, ME, NH, RI)

Grantee: New England Marine Monitoring	
Grant Amount: \$241,109	9
Matching Funds: \$246,98	9
Total Project Amount:\$488,098	B
Integrate existing artificial intelligence algorithms into	
electronic monitoring review, transmission, and storage	



Canvasback ducks

workflows to reduce program costs. Project will advance the artificial intelligence used in the New England Groundfish electronic monitoring fisheries to automate catch accounting and streamline data storage thus addressing management priorities.

Scaling Maximized Retention Electronic Monitoring in the Northeast Groundfish Fishery (MA, ME, NH, RI)

Examining Electronic Monitoring Data Quality, Integration, and Cost in Alaska's Fixed Gear Fleet (AK) Project State: Alaska

Grantee: Chordata LLC



Piloting Electronic Monitoring in the Northern Gulf of Maine Scallop Fleet (ME)

Artificial-Intelligence Assisted Data Management and Review Platform for Hawaii Longline Fisheries (CA, HI) Grantee: Ai Fish

Grant Amount:	
Matching Funds: \$436,402	
Total Project Amount:\$737,019	
Develop a web-based application using machine learning	
and computer vision algorithms to preprocess electronic	
monitoring data from the Hawaii pelagic longline fisheries.	
Project will reduce costs and improve timeliness of	
the review process, lowering the barrier to entry for	
implementation of electronic monitoring and review	
technologies in the Hawaii-permitted longline fisheries.	

Using Mobile Applications to Turn Recreational Anglers into Community Scientists (MD, VA)

Grantee: College of William and Mary, Virginia Institute of Marine Science

Nationwide Communication on Fisheries Electronic Technologies and Fisheries Information Systems (WA) Grantee: Fieldwork Communications LLC



Dutch Harbor, Alaska

of stakeholders using digital platforms and social media to advance electronic monitoring and reporting technologies.

Implementing Wireless Electronic Monitoring and Reporting Tools in New England (MA, ME, NH, RI) Grantee: Integrated Monitoring Inc.

Expanding and Improving the Use of Electronic Monitoring in the Gulf of Mexico Shrimp Trawl Fishery(AK, FL, LA,TX)

Implementing Electronic Monitoring for Compliance in the Mid-water Trawl Pollock Fisheries (AK)

Grantee: United Catcher Boats
Grant Amount: \$435,168
Matching Funds:\$627,965
Total Project Amount: \$1,063,133
Implement operational testing to evaluate the feasibility and
cost efficiency of using electronic monitoring systems in the
Bering Sea and Gulf of Alaska Pollock mid-water trawl catcher
vessels. Project will expand previous efforts to improve data
quality, timeliness, and cost-efficiency for salmon bycatch
monitoring compliance with retention regulations.