Electronic Monitoring and Reporting Program

NFWF CONTACTS

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PROGRAM PARTNERS

- National Oceanic and Atmospheric Administration (NOAA)
- Shell USA



Commercial fishing boat in Alaska

OVERVIEW

The National Fish and Wildlife Foundation (NFWF) and National Oceanic and Atmospheric Administration, with the Shell Oil Company announce the 2022 slate of projects for the Electronic Monitoring and Reporting Grant Program. Twelve (12) new grants totaling \$3,701,000 were awarded. The 12 awards announced generated \$6,721,000 in matching contributions from the grantees, providing a total conservation impact of \$10,422,100.

The Electronic Monitoring and Reporting Grant Program drives innovation and electronic technologies implementation in U.S. fisheries data collection and works to systematically modernize data management systems for improved fisheries management. This year's grant slate funds projects to develop artificial intelligence tools and expand electronic technologies to new recreational and commercial fisheries.

The following 12 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.

ABOUT NFWF

Chartered by Congress in 1984, the National Fish and Wildlife Foundation (NFWF) protects and restores the nation's fish, wildlife, plants and habitats. Working with federal, corporate and individual partners, NFWF has funded more than 6,000 organizations and generated a total conservation impact of \$7.4 billion.

Learn more at www.nfwf.org

NATIONAL HEADQUARTERS

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GRANTS

Improving Data Quality through ET Implementation in the Western Gulf of Alaska

Grantee: Aleutians East Borough

Testing Electronic Monitoring on Trawl Catcher Vessels Participating in the Central Gulf of Alaska (CGOA) Rockfish Program

Grantee: Alaska Groundfish Data Bank

Grant Amount:\$80,	600
Matching Funds:\$136,	700
Total Project Amount:\$217,	300
Alaska Groundfish Data Bank will evaluate electronic	
monitoring for its ability to improve data quality, consisten	су,
and reduce data collection costs in Alaska's rockfish trawl	
fishery. This project will utilize existing onboard electronic	
monitoring systems to develop monitoring protocols in the	
fishery to verify salmon retention and to quantify halibut a	nd
groundfish discards for effective management.	

Artificial Intelligence Supported Management: Optimized Retention in the Gulf of Mexico (FL, TX)

Grantee: Mote Marine Laboratory

rant Amount:\$475,1	100
latching Funds:\$475,2	200
otal Project Amount:\$950,3	300
lote Marine Labratory will reduce red grouper discard rate	es
n the Gulf of Mexico reef fish fishery by applying existing	
lectronic monitoring protocols and new artificial intelligen	ce
lgorithms to facilitate an optimized retention fishery. This	
roject will validate a feasible compliance monitoring strate	gy
hat addresses industry needs to incentivize sustainable	
shing.	

Real Time Electronic Logook Data Collection and Reporting in Halibut and Groundfish Fisheries (AK) Grantee: Real Time Data North America

Grant Amount:	\$137,400
Matching Funds:	\$290,500
Total Project Amount:	\$427,900
Real Time Data North American will collect real	time, fine scale
spatial and temporal fisheries data useful for cat	ch accounting
and stock assessment through a commercial fish	eries
electronic logbook pilot in the Alaska halibut and	l sablefish
fishery. The project will evaluate the ability of fis	hermen in



Sport fishermen off the coast of Miami

Alaska to collect this data during their fishing operations and explore the potential for the data collection approach to scale up in the future.

Developing a Streamlined Highly Migratory Species Data Collection, Reporting, and Billfish Tagging Program in US East Coast, Gulf of Mexico, and Caribbean HMS Fisheries Grantee: Bluefin Data

RecFish: User Acquisition, Engagement and Retention

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

Grant Amount:\$271,200 Matching Funds:\$278,000 Total Project Amount:\$549,200 The College of William and Mary will expand participation and awareness of the RecFish mobile application, demonstrate the value of the application to state government partners, and continue refining the application to meet the needs of recreational anglers interested in recording and contributing their data. This project will draw potential users to the application through a social media campaign and grow the user base of this citizen science effort.

Accelerating New England Groundfish Discard Quantification Using Artificial Intelligence on Electronic Monitoring Vessels

Grantee: Teem Fish Monitoring

Alaska Trollers Electronic Logbook (Data Collection and Analysis Program)

Grantee: Alaska Trollers Association

Grant Amount: \$155,900
Matching Funds: \$750,000
Total Project Amount:\$905,900
Alaska Trollers will reestablish a fisheries data collection
and analysis program conducted by Alaska troll fishermen
through a voluntary electronic logbook effort. The project will
collect a wide range of physical and biological information
on the southeastern Alaska marine ecosystem and provide
managers and researchers real time access to data from
participating fishermen.

A Comprehensive On-Board Edge Artificial Intelligence Electronic Monitoring Data Management System Grantee: Ai.Fish

Scaling Innovations in an Operational Maximized Retention Electronic Monitoring Program in the Northeast Multispecies Fishery

Grantee: Gulf of Maine Research Institute

\$356,400
\$357,000
\$713,400
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Crabs caught in fishing net, Bering Sea

dockside monitoring, and develop electronic infrastructure to support timely catch accounting. THis project will convene industry members, including seafood dealers, to improve dockside monitoring and support continued regional uptake of electronic monitoring.

Final Year of Pre-Implementation of a Regulated EM Program for Compliance Monitoring in the Bering Sea and Gulf of Alaska Pelagic Trawl Pollock Catcher Vessel Fisheries

Developing an Electronic Monitoring Program for the Gulf of Mexico Multi-passenger and Headboat Fleet Grantee: Gulf Fisheries Research Foundation