



ELECTRONIC MONITORING & REPORTING GRANT PROGRAM



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

2016

GULF OF MEXICO:

Expanding Electronic Reporting to For-Hire Vessels in Louisiana to Support Gulf-Wide Implementation

CLS America

Award Amount	\$520,750
Grantee Match	\$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.

iSnapper: Electronic Data Collection in the Gulf of Mexico Red Snapper Recreational Fishery (TX)

Harte Research Institute - Texas A&M University-Corpus Christi

Award Amount	\$241,088
Grantee Match	\$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.



Gulf-Wide Electronic Monitoring for a Sustainable Commercial Reef Fish Fishery (FL, LA, TX)

Mote Marine Laboratory

Award Amount	\$544,524
Grantee Match	\$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:

Pre-Implementation of Electronic Monitoring for Alaska’s Pot Cod Fishery

Saltwater, Inc.

Award Amount	\$595,047
Grantee Match	\$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:

Using Incentives to Advance Electronic Monitoring in the New England Groundfish Fishery (MA, ME)

Gulf of Maine Research Institute

Award Amount	\$596,493
Grantee Match	\$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.

Strengthening Electronic Monitoring in the New England Groundfish Fishery (MA, ME, NH)

Cape Cod Commercial Fishermen's Alliance

Award Amount	\$553,423
Grantee Match	\$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:

Tribal Electronic Fish Ticket System: Transitioning from Paper to Electronic Reporting (WA)

Northwest Indian Fisheries Commission

Award Amount	\$100,119
Grantee Match	\$101,000
Total Project	\$201,119

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

Expand Electronic Fishing Logbooks for Commercial Passenger Fishing Vessels in Southern California

Sportfishing Association of California

Award Amount	\$50,678
Grantee Match	\$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.

NATIONWIDE

Develop Low-Cost Electronic Monitoring System for Catch and Bycatch Monitoring in Small-Scale Fisheries (HI, NC)

Gettysburg College

Award Amount	\$65,800
Grantee Match	\$65,813
Total Project	\$131,613

Develop a low-cost electronic monitoring system to augment human observers in small-scale fisheries in Hawaii and North Carolina. 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.

Accelerate Development of Automated Fish Identification for Electronic Monitoring Systems (Multiple)

Kate Wing Consulting

Award Amount	\$99,389
Grantee Match	\$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.



2015

GULF OF MEXICO:

Electronic Reporting in the Gulf of Mexico Charter Boat Fleet

CLS America

Award Amount	\$1,700,000
Grantee Match	\$708,950
Total Project	\$2,408,950

Implement electronic reporting in approximately 275 recreational charter boat vessels in the Gulf of Mexico. Project will engage the fishing industry, federal and state managers, and scientists from Mississippi, Alabama, and Florida to generate real-time, verifiable, and high-quality recreational fishing data.

NORTH PACIFIC:

Integrating Electronic Monitoring into Alaska’s At-Sea Monitoring of Fixed Gear Fisheries

Alaska Longline Fishermen's Association

Award Amount	\$492,553
Grantee Match	\$520,000
Total Project	\$1,012,553

Integrate electronic monitoring on up to 120 small vessels in the Gulf of Alaska’s fixed gear fisheries. Project will increase the portion of the fleet capable of providing fisheries dependent data, reduce sampling errors, and will inform the development of electronic monitoring regulations for the small vessel, fixed gear fleet

NEW ENGLAND:

Electronic Monitoring for New England’s Groundfish Fishery

The Nature Conservancy

Award Amount	\$300,000
Grantee Match	\$99,350
Total Project	\$399,350

Implement an electronic monitoring program on New England groundfish fishing vessels from two or more Sectors in Fishing Year 2016. Project will achieve individual accountability and improve catch share monitoring.

PACIFIC COAST:

West Coast Fisheries Electronic Monitoring

Midwater Trawlers Cooperative

Award Amount	\$271,710
Grantee Match	\$271,710
Total Project	\$543,420

Commercial fishing vessels using midwater trawl, bottom trawl and fixed gear off the coast of Oregon Washington and California participating in the individual quota fishery for groundfish have obtained an exempted permit from the Pacific Fishery Management Council and NMFS to allow electronic monitoring on board vessels, in lieu of the federally required 100% human observer program. Thirty vessels have contracted with an experienced private



business to obtain cameras, equipment and services to video all catch and discard of all species caught, and to provide that information to Pacific States Marine Fisheries Commission and to NMFS.

MULTI-REGION

Open-Source Software Platform for Shipboard Electronic Monitoring of Fisheries

Sea State, Inc.

Award Amount	\$235,737
Grantee Match	\$65,420
Total Project	\$301,157

Develop a suite of complementary software applications that will support electronic monitoring data acquisition, review, summarization, and archival. Project will create an entirely open source and freely available software platform that can be adapted to the specific needs of any given fishery.