

ANNUAL REPORT
OF THE
FISHERIES
INFORMATION NETWORK IN
THE SOUTHEAST REGION
(FIN)

JANUARY 1, 2018 - DECEMBER 31, 2018

MARCH 2019

Number 289

INTRODUCTION

The Fisheries Information Network (FIN) is a state-federal cooperative program to collect, manage, and disseminate statistical data and information on the marine commercial and recreational fisheries of the Southeast Region.¹ The need for a comprehensive and cooperative data collection program has never been greater because of the magnitude of the recreational fisheries and the differing roles and responsibilities of the agencies involved. Many southeastern stocks targeted by anglers are now depleted, due primarily to excessive harvest, habitat loss, and degradation. The information needs of today's management regimes require data, which are statistically sound, long-term in scope, timely, and comprehensive. A cooperative partnership between state and federal agencies is the most appropriate mechanism to accomplish these goals.

Efforts by state and federal agencies to develop a cooperative program for the collection and management of commercial and recreational fishery data in the Region began in the mid to late 1980s. In 1992, the National Marine Fisheries Service (NMFS) formally proposed a planning activity to establish the RecFIN(SE). Planning was conducted by a multi-agency Plan Development Team through October 1992 at which time the program partners approved a Memorandum of Understanding (MOU) that established clear intent to implement the RecFIN(SE). Upon signing the MOU, a RecFIN(SE) Committee was established.

In 1994, the NMFS initiated a formal process to develop a cooperative state-federal program to collect and manage commercial fishery statistics in the Region. Due to previous work and NMFS action, the Southeast Cooperative Statistics Committee (SCSC) developed an MOU and a draft framework plan for the ComFIN. During the development of the ComFIN MOU, the SCSC, in conjunction with the RecFIN(SE) Committee, decided to combine the MOU to incorporate the RecFIN(SE). The joint MOU creates the FIN, which is composed of both the ComFIN and RecFIN(SE). The MOU confirmed the intent of the signatory agencies to participate in implementing the ComFIN and RecFIN(SE).

The scope of the FIN includes the Region's commercial and recreational fisheries for marine, estuarine, and anadromous species, including shellfish. Constituencies served by the program are state and federal agencies responsible for the management of fisheries in the Region. Direct benefits will also accrue to federal fishery management councils, the interstate marine fisheries commissions, the National Park Service, the U.S. Fish and Wildlife Service, and the NOAA National Marine Sanctuaries Program. Benefits that accrue to the management of fisheries will benefit not only commercial and recreational fishermen and the associated fishing industries, but the resources, the states, and the nation.

The mission of the FIN is to cooperatively collect, manage, and disseminate marine commercial, anadromous and recreational fishery data and information for the conservation and management of fishery resources in the Region and to support the development of a national program. The four goals of the FIN include: planning, managing, and evaluating commercial and recreational fishery data collection activities; to implement a marine commercial and recreational fishery data

¹ The Southeast Region (the Region) includes Alabama, Florida, Georgia, Louisiana, Mississippi, North Carolina, Puerto Rico, South Carolina, Texas, and the U.S. Virgin Islands.

collection program; to establish and maintain a commercial and recreational fishery data management system; and to support the establishment of a national program.

PROGRAM ORGANIZATION

The organizational structure consists of the FIN Committee, two geographic subcommittees (Caribbean and Gulf), standing and ad hoc subcommittees, technical work groups, and administrative support (Figure 1).

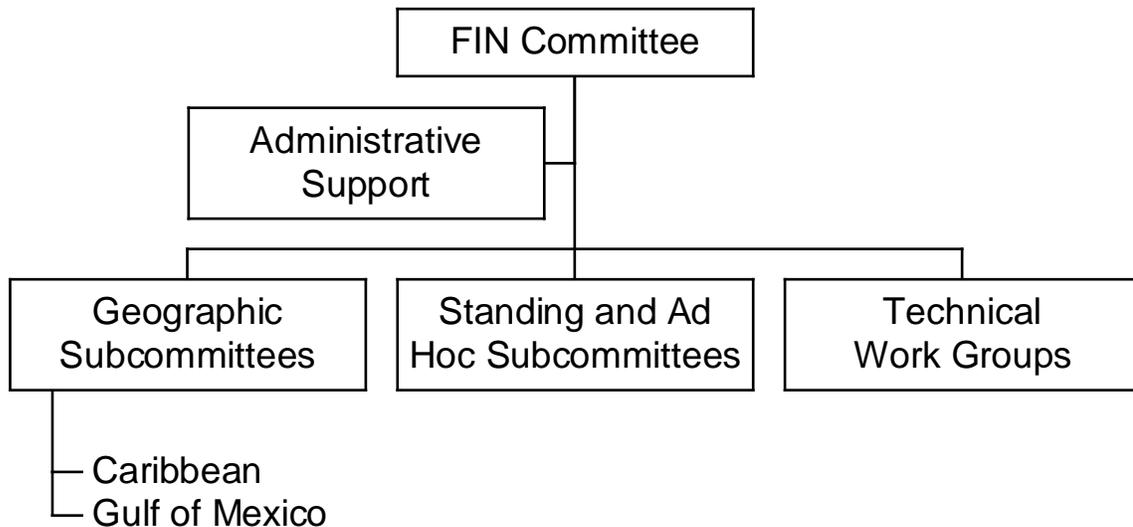


Figure 1. Organizational structure of the FIN.

The FIN Committee consists of the signatories to the MOU or their designees, and is responsible for planning, managing, and evaluating the program. Agencies represented by signatories to the MOU are the National Marine Fisheries Service, U.S. Fish and Wildlife Service, National Park Service, Alabama Department of Conservation and Natural Resources, Florida Fish and Wildlife Conservation Commission, Louisiana Department of Wildlife and Fisheries, Mississippi Department of Marine Resources, Puerto Rico Department of Environmental and Natural Resources, Texas Parks and Wildlife Department, U.S. Virgin Islands Department of Planning and Natural Resources, Caribbean Fishery Management Council, Gulf of Mexico Fishery Management Council and Gulf States Marine Fisheries Commission.

As of October 1998, the Georgia Department of Natural Resources, South Carolina Department of Natural Resources, North Carolina Department of Environment, Health, and Natural Resources, South Atlantic Fishery Management Council and Atlantic States Marine Fisheries Commission no longer actively participated on the FIN Committee. Although there is no representation of the South Atlantic on FIN, staff members from both FIN and the Atlantic Coastal Cooperative Statistics Program (ACCSP) continue to coordinate, ensuring that there is compatibility and comparability between the two regions.

The FIN Committee is divided into two standing subcommittees representing the major geographical areas of the Region: Caribbean and the Gulf. These subcommittees are responsible for making recommendations to the Committee on the needs of these areas. Standing and ad hoc subcommittees are established as needed by the FIN Committee to address administrative issues and technical work groups are established as needed by the Committee to carry out tasks on specific technical issues. Coordination and administrative support of the FIN is accomplished through the Gulf States Marine Fisheries Commission.

PROGRAM ACTIVITIES

The FIN is a comprehensive program comprised of coordinated data collection activities, an integrated data management and retrieval system, and procedures for information dissemination. Activities during 2018 were associated with addressing issues and problems regarding data collection and management and developing strategies for dealing with these topics. In addition to committee activities, FIN was involved in various operational activities concerning the collection and management of marine commercial and recreational fisheries data. These activities were conducted by the various state and federal agencies involved in FIN. Each type of activity is discussed below.

COMMITTEE ACTIVITIES

FIN Committee

The FIN Committee meeting was held in March 2018. The issues discussed during the meeting included:

- Updates from the Marine Recreational Information Program (MRIP), specifically a presentation on regional specific results from the newly implemented Fishing Effort Survey (FES), proposed for changes for the Access Point Angler Intercept Survey (APAIS), and discussion of the status of the Gulf MRIP Regional Implementation Plan;
- A presentation on the 2017 and proposed 2018 recreational red snapper seasons;
- A presentation on the status of the Southeast For-Hire Integrated Electronic Reporting (SEFHIER) program;
- Update on the Atlantic Coastal Cooperative Statistics Program;
- Status update of Biological Sampling Program;
- Discussion of the utility of Citizen Science Research;
- Progress reports on GulfFIN new end-user query tool, Florida and GSMFC FIS projects;
- Review of the 2017 FIN Annual Report and 2018 FIN Operations Plan which presented the year's activities in data collection, data management, and information dissemination;

- Preparation and submission of a proposal for financial assistance to support activities of the FIN;

Subcommittees and Work Groups

The FIN subcommittees and work groups met during the year to provide recommendations to the Committee to formulate administrative policies, address specific technical issues for accomplishing many of the FIN goals and objectives, and to examine other issues as decided by the Committee. Their activities included:

- The annual Otolith Processor Training Workshop was held in May 2018 to conduct otolith reading and review of FIN priority species, discuss the various reference sets, storage of otolith issues and standardized format for reporting APEs;
- The Gulf of Mexico Geographic Subcommittee met in October 2018 to receive a presentation on the impact of FES calibrations on managed Gulf of Mexico species; a discussion of future data collection efforts for state permitted for-hire vessels; a discussion of recreational landings availability in the GulfFIN Data Management System; summary of the most recent red snapper workshop #4; status of biological sampling activities; and review of 2017 commercial landings data;
- The State/Federal Fisheries Management Committee met in October 2018 to determine the activities for inclusion in the 2019 FIN cooperative agreement;
- In addition, the Program Manager also attended the various Fisheries Information System (FIS), Marine Recreational Informational Program (MRIP), ACCSP, SEDAR data workshops and Gulf of Mexico Fishery Management Council meetings as a liaison for the FIN.

OPERATIONAL ACTIVITIES

- Coordination and Administration of FIN Activities - This task provided for the coordination, planning, and administration of FIN activities throughout the year as well as provides recreational and commercial information to the FIN participants and other interested personnel. This is a continuation of an activity from the previous year.
- Collecting, Managing and Disseminating Marine Recreational Fisheries Data - This task provided for the conduct of the MRIP survey in Mississippi, Alabama, and Florida for shore, for-hire, and private modes. This task provides for coordination of the survey, an access-point intercept survey (AP AIS) of shore, for-hire and private boat anglers to estimate angler catch using the existing MRIP methodology, and entry of the data. These data were combined with the NMFS effort estimate telephone survey data. In addition, the states conducted supplemental sampling of the intercept portion for the MRIP for charter

boats in Mississippi, Alabama, and Florida (east and west coast). The states also conducted weekly telephone calls to a 10% random sample of the Mississippi, Alabama, and Florida (east and west coast) charter boat captains to obtain estimates of charter boat fishing effort. In 2000, NMFS adopted this method as the official methodology for estimation of charter boat effort. This is a continuation of an activity from the previous year. Table 4 shows the number of dockside assignments and angler interviews the state samplers conducted for each mode. This task also provided support for 25% support of LA Creel field surveys which have been implemented to replace MRIP in Louisiana.

- **Head Boat Sampling Activities** – The port sampling portion of this task provided for the sampling of catches, collection of catch reports from head boat personnel, and gathering effort data on head boats which operate primarily in the Exclusive Economic Zone from ports along the coasts of Texas, Louisiana, Mississippi, Alabama, and Florida. This is a continuation of an activity from the previous year. Table 5 shows the number of interviews, fish measured and hard parts collected by port samplers from the head boat fishery.
- **Menhaden Data Collection Activities** - This task provided for sampling of gulf menhaden catches from menhaden purse-seine vessels that operate in Louisiana. The samples were processed for size and age composition for use in coast-wide stock assessments. In turn, gulf menhaden stock assessments are incorporated into the Fisheries Management Plan for the species, and are also utilized by the Gulf Coast states, the GSMFC, the menhaden industry, and the NMFS. This is a continuation of an activity from the previous year. In 2018, three menhaden factories were active in the northern Gulf of Mexico at Moss Point, MS, and Empire, and Abbeville, LA. The Cameron, LA factory was closed in December 2013. A total of 27 purse-seine vessels and 4 bait boats fished for gulf menhaden in 2018. Menhaden biostatistical samples are acquired from the top of the fish hold; individual specimens are measured for fork length, weighed to the nearest gram, and a patch of scales is taken for ageing; other data include date and location of catch and vessel name. Total purse-seine landings of gulf menhaden for reduction in 2018 were approximately 525,635 metric tons. This is a continuation of an activity from the previous year. Table 6 shows the number of 10-fish samples collected by port during the 2018 fishing season. Table 7 was intended to present the age composition of the gulf menhaden biostatistical samples by port in 2018. Due to equipment failure age processing of 2018 samples has been delayed. As NOAA works to validate new hardware these results will be updated later in 2019.
- **Development and Implementation of FIN Data Management System (DMS)** - This task provided for further implementation of a fishery information system for the FIN based on the ACCSP model. This task will provide funding for the FIN Data Base Manager and ComFIN Survey Coordinator who will, in conjunction with the ACCSP, work on developing more data modules for the FIN and ACCSP data management systems. Responsibilities include further development of data modules structures; routine loading of Texas, Louisiana, Mississippi (oyster, crab, shrimp and finfish), Alabama, and Florida commercial catch effort data, Gulf biological data, Gulf recreational data and maintenance of DMS. It is the next step for implementing a regional system for FIN. Table 8 provides the record counts and years represented by the commercial, recreational and biological data

in the FIN DMS. For the commercial data, the record count roughly represents the number of trips by state and for the biological data, the counts represents the total number of hard parts collected by state.

- **Biological Sampling of Recreational Catches** - This task provided funding for collection of biological data from the recreational fisheries. These data are essential to accurately assessing the status of commercial and recreational species. Due to lapses in available funding this research only started on 9/1/2018. Recreational samplers went to sites and collected the necessary biological data using a modified MRIP method. This task provided funding for collection, processing and analysis of these data. The primary target species include black drum, gag, gray snapper, gray triggerfish, greater amberjack, king mackerel, red drum, red grouper, red snapper, sheepshead, flounders (gulf & southern), spotted seatrout, striped mullet and vermilion snapper although other species are also collected. Since data collection started late in 2018 and we are transitioning to a new data entry system no summary stats on the number of samples collected are available at the time of report generation.
- **Trip Ticket Program Development, Implementation and Operation** – This task provided for the full operation of Texas, Louisiana, Alabama and Florida trip ticket program activity under the ComFIN. This task provided for collection of components for a commercial trip ticket system to census the commercial fisheries landings using the data elements and standards developed by the ComFIN. It will ultimately be combined with other commercial fisheries data collected from around the Gulf of Mexico. In addition, it provided funding to contract for implementation and operation of electronic reporting for the trip ticket systems as well as reporting of data for the quota monitoring and IFQ programs. For 2018, there were 1,082 commercial dealers and processors in Florida, Alabama, Mississippi, Louisiana, and Texas who were utilizing this program. This is a long-term data collection activity.

Coordination and Administrative Support

Working closely with the Committee in all aspects of program coordination, administration, and operation was a major function of FIN coordination and administrative support. Other important coordination and administrative activities included but were not limited to: providing coordination and logistical support, including communications and organization of meetings for the Committee, subcommittees, and work groups; serving as liaison between the Committee, other program participants, and other interested organizations; preparing annual operations plans under the direction of the Committee; preparing and/or supervising and coordinating preparation of selected documents, including written records of all meetings; and distributing approved FIN information and data in accordance with accepted policies and procedures. In 2018 FIN assisted in the administration of funds to support four additional research programs.

- **Caribbean Sampling and Landings Validation** – This task will help determine total commercial landings from the US Virgin Islands. Additional work is developing and

testing a technique to rapidly collect length and weight data to help determine if population descriptors collected dockside coincide with those collected independent of the fishery.

- Gulf States Electronic Dealer Reporting: Modernization and Improved Quality Control – This task will complete the development of the new unified electronic trip ticket reporting tool along with implementing a more intensive electronic quality control process for commercial landings data. The work is being funded through the NOAA Fisheries FIS program 2017 RFP.
- Improving Biological Database in the GulfFIN Data Management System – This work will produce improvements to the biological sampling module of the GulfFIN Data Management System (DMS) to better meet the needs of stock assessment scientists at the state and federal level. The work is being funded through the NOAA Fisheries FIS program 2017 RFP.
- Development of Electronic Trip Ticket Card Based Interface in Florida: This work builds upon the existing work being accomplished by Bluefin Data Inc. on the implementation of the new unified electronic trip ticket program. The objective would better position the State of Florida for the eventual move from paper trip tickets to a system capable of 100% electronic reporting and provide a model for other states wishing to prepare for the transition to electronic reporting. The work is being funded through the NOAA Fisheries FIS program 2017 RFP.

Information Dissemination

Committee members and staff provided program information in 2018 via a variety of different methods such as distribution of program documents, presentation to various groups interested in the FIN, and via the Internet:

- FIN Committee. 2018. *2018 Operations Plan for Fisheries Information Network (FIN)*. No. 273 Gulf States Marine Fisheries Commission, Ocean Springs. 26 pp + appendix.
- FIN Committee. 2017. *Annual Report of the Fisheries Information Network for the Southeastern United States (FIN) January 1, 2017 - December 31, 2017*. No. 277 Gulf States Marine Fisheries Commission, Ocean Springs. 51 pp + appendices.
- FIN Committee. 2016. *Annual Report of the Fisheries Information Network for the Southeastern United States (FIN) January 1, 2016 - December 31, 2016*. No. 272 Gulf States Marine Fisheries Commission, Ocean Springs. 51 pp + appendices.
- *Current Issues Facing Recreational Fisheries Management*. No. 271 Gulf States Marine Fisheries Commission, Ocean Springs. 13pp.
- FIN Committee. 2017. *2017 Operations Plan for Fisheries Information Network (FIN)*. No. 252 Gulf States Marine Fisheries Commission, Ocean Springs. 26 pp + appendix.
- FIN Committee. 2016. *2016 Operations Plan for Fisheries Information Network (FIN)*. No. 251 Gulf States Marine Fisheries Commission, Ocean Springs. 26 pp + appendix.
- FIN Committee. 2015. *Annual Report of the Fisheries Information Network for the Southeastern United States (FIN) January 1, 2015 - December 31, 2015*. No. 250 Gulf States Marine Fisheries Commission, Ocean Springs. 53 pp + appendices.
- FIN Committee. 2015. *2015 Operations Plan for Fisheries Information Network (FIN)*. No. 232 Gulf States Marine Fisheries Commission, Ocean Springs. 29 pp + appendix.
- FIN Committee. 2014. *Annual Report of the Fisheries Information Network for the Southeastern United States (FIN) January 1, 2014 - December 31, 2014*. No. 248 Gulf States Marine Fisheries Commission, Ocean Springs. 22 pp + appendices.
- Variety of informal discussions occurred throughout the year during ASMFC, GSMFC, NMFS, and other participating agencies meetings and workshops.
- The FIN has developed a data management system that provides access to commercial and recreational data for the Gulf States. There are two levels of access: confidential and non-confidential and users can request access via the FIN DMS web site (www.gsmfc.org/data.html)

- NMFS provides a user-friendly data management system (DMS) for the MRIP that is accessible via the web (www.st.nmfs.noaa.gov/st1/recreational/index.html)
- GSMFC has developed a home page that provides programmatic and operational information regarding FIN.

If you are interested in any of the documents, they are available upon request from the Gulf States Marine Fisheries Commission office.

TABLE 1. PROPOSED ACTIVITIES FOR FIN IN 2016 – 2020 (Goals and Objectives are in Appendix C)

	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>
Planning, Management, and Evaluation					
FIN Committee					
Maintenance of FIN Committee	X	X	X	X	X
Framework Plan					
Review of Framework Plan					X
Operations Plans					
Development of annual operations plans	X	X	X	X	X
Define approach for assessing partner needs and requirements	X				
Information dissemination					
Coordinate with ACCSP and NMFS to develop outreach/education materials	X	X	X	X	X
Use Internet communications	X	X	X	X	X
Create on-boarding process for new FIN Committee members	X				
Program Review					
Conduct periodic FIN strategic planning		X		X	
Data Collection					
Quality control/assurance					
Evaluate alternative methods for collecting recreational discard information	X				
Review of commercial and recreational QA/QC standards	X	X			
Establish approach for validating commercial conversion factors	X	X			
Coordination of data collection					
Development of data collection plan	X	X	X	X	X
Development of recreational data standards	X				
Expand collection of metadata	X	X	X	X	X
Evaluate suitability of new data sources and integrate FIN data system	X	X	X	X	X
Prioritize species for additional biological sampling	X	X	X	X	X
Continue coordination of biological sampling	X	X	X	X	X
Evaluate biological sampling strategies		X	X		
Collect soft tissue, etc samples, as time permits	X	X	X	X	X
Innovative collection technology					
Evaluate innovative data collection technologies	X	X	X	X	X
Data Management					
Hardware/software capabilities					
Review hardware/software capabilities					X
Data maintenance	X	X	X	X	X
Integration of databases					
Identify appropriate databases for integration in DMS	X	X	X	X	X
Innovative data management technology					
Evaluate innovative data management technologies	X	X	X	X	X
Protect data confidentiality	X	X	X	X	X
Develop improved end-user access tools	X				

Development of National Program

Long-term and coordination with other programs planning

Coordination with ACCSP and Pacific RecFIN

Coordination with other programs

X

X

X

X

X

TABLE 2. FIN COMMITTEE MEMBERS FOR 2018

Nicole Beckham Alabama Marine Resources Division	Matthew Kamman Virgin Islands Division of Fish and Wildlife
Ken Brennan NOAA Fisheries Beaufort Laboratory	Craig Lilyestrom Puerto Rico Department of Natural and Environmental Resources
Steve Brown Florida Fish and Wildlife Research Institute	Daniel Matos-Caraballo Puerto Rico Department of Natural and Environmental Resources
Chris Denson Alabama Marine Resources Division	Beverly Sauls Florida Fish and Wildlife Research Institute
Gregg Bray Gulf States Marine Fisheries Commission	Tom Sinclair U.S. Fish and Wildlife Service
Justin Esslinger Texas Parks and Wildlife Department	Tom Sminkey NOAA Fisheries Headquarters Office
John Froeschke Gulf of Mexico Fishery Management Council	Nicole Smith Louisiana Department of Wildlife and Fisheries
Graciela Garcia-Moliner Caribbean Fishery Management Council	Carly Somerset Mississippi Department of Marine Resources
David Gloeckner NOAA Fisheries Southeast Fisheries Science Center	Jessica Stephen NOAA Fisheries Southeast Regional Office
Faye Grubbs Texas Parks and Wildlife Department	Darrin Stewart Mississippi Department of Marine Resources
Michael Harden Louisiana Department of Wildlife and Fisheries	

TABLE 3. FIN SUBCOMMITTEE AND WORK GROUP MEMBERS FOR 2018

FIN Administrative Subcommittee

Ken Brennan
NOAA Fisheries
Beaufort Laboratory

Tom Sinclair
U.S. Fish and Wildlife Service

Gregg Bray
Gulf States Marine Fisheries Commission

Tom Sminkey
NOAA Fisheries
Headquarters Office

Justin Esslinger
Texas Parks and Wildlife Department

FIN Gulf of Mexico Geographic Subcommittee

Nicole Beckham
Alabama Marine Resources Division

David Gloeckner
NOAA Fisheries
Southeast Fisheries Science Center

Vince Cefalu
Louisiana Department of Wildlife and
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Michael Harden
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Carly Somerset
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Darrin Stewart
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Julie Defilippi
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Dave Gloeckner
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Darrin Stewart
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Jackie Wilson
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FIN Data Management Work Group

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Mike Cahall
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Ken Brennan
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Beaufort Laboratory

Nicole Smith
Louisiana Department of Wildlife and
Fisheries

Carly Somerset
Mississippi Department of Marine
Resources

TABLE 4. NUMBER OF RECREATIONAL ASSIGNMENTES COMPLETED AND INTERVIEWS OBTAINED UNDER THE MRIP PROTOCOL, BY STATE, BY WAVE

STATE	WAVE	Assignments			Interviews		
		SH	CH/PR	Total	SH	CH/PR	Total
FLORIDA - EAST	1	22	114	136	137	690	827
	2	23	111	134	152	948	1,100
	3	27	149	176	140	1,272	1,412
	4	23	140	163	279	1,641	1,920
	5	24	115	139	200	664	864
	6	30	93	123	194	643	837
	Total		149	722	871	1,102	5,858
FLORIDA - WEST	1	40	230	270	280	1,839	2,119
	2	50	222	272	699	2,341	3,040
	3	50	296	346	456	3,055	3,511
	4	52	281	333	547	2,497	3,044
	5	38	227	265	339	1,680	2,019
	6	39	211	250	337	1,272	1,609
	Total		269	1,467	1,736	2,658	12,684
ALABAMA	1	19	58	77	68	53	121
	2	19	71	90	219	262	481
	3	18	80	98	239	601	840
	4	20	86	106	277	589	866
	5	21	76	97	208	275	483
	6	28	57	85	154	157	311
	Total		125	428	553	1,165	1,937

MISSISSIPPI	1	15	53	68	15	56	71
	2	16	61	77	55	338	393
	3	14	65	79	68	702	770
	4	16	73	89	62	660	722
	5	16	63	79	71	268	339
	6	20	50	70	25	142	167
	Total	97	365	462	296	2,166	2,462

	SH	CH/PR		SH	CH/PR	Total
YEAR TOTALS	640	2,982		5,221	22,645	27,866

TABLE 5. NUMBER OF INTERVIEWS, FISH MEASURED AND HARD PARTS COLLECTED UNDER THE HEAD BOAT LOGBOOK PROTOCOL, BY STATE

STATE	NUMBER OF INTERVIEWS	NUMBER OF FISH MEASURED	NUMBER OF HARD PARTS
AL	89	2,078	1,117
LA/MS	98	1,475	229
NWFL	82	1,845	937
SWFL	195	3,437	1,034
TX	382	8,360	2,293
TOTAL	846	17,195	5,610

TABLE 6. NUMBER OF 10-FISH GULF MENHADEN SAMPLES COLLECTED, BY PORT

PORT	NUMBER OF SAMPLES
MOSS POINT, MS	155
EMPIRE, LA	239
ABBEVILLE, LA	24

TABLE 7. AGE COMPOSITION OF GULF MENHADEN BIOSTATISTICAL SAMPLES, BY PORT

- **Age processing has been delayed due to equipment failures and the need to validate new equipment to the previous. Age data will be included in future reports once processors catch up on readings and analyses.**

TABLE 8. RECORD COUNTS FOR COMMERCIAL, RECREATIONAL AND BIOLOGICAL SAMPLING ACTIVITIES IN THE FIN DATA MANAGEMENT SYSTEM

STATE	COUNT	YEARS	LAST UPDATED
COMMERCIAL LANDINGS			
FLORIDA	22,916,959	1985 – 2017	02-Feb-18
ALABAMA	755,086	1985 – 2017	22-JAN-18
MISSISSIPPI	177,289	1985 – 2017	23-FEB-18
LOUISIANA	8,838,041	1985 – 2017	05-FEB-18
TEXAS	1,234,419	1985 – 2017	30-JAN-18
PUERTO RICO	2,238,816	1985 – 2017	2017
RECREATIONAL CATCH ESTIMATES			
FLORIDA	160,574	1981 – 2016	31-JAN-18
ALABAMA	20,576	1981 – 2016	31-JAN-18
MISSISSIPPI	13,786	1981 – 2016	31-JAN-18
LOUISIANA	20,133	1981 – 2013	24-JAN-17
TEXAS	0	-	-
PUERTO RICO	7,603	2000 – 2016	31-JAN-18
RECREATIONAL EFFORT ESTIMATES			
FLORIDA	10,732	1982 – 2016	31-JAN-18
ALABAMA	4,527	1982 – 2016	31-JAN-18
MISSISSIPPI	4,659	1982 – 2016	31-JAN-18
LOUISIANA	4,825	1982 – 2013	24-JAN-17
TEXAS	0	-	-
PUERTO RICO	1,347	2000 – 2016	31-JAN-18
BIOLOGICAL DATA			
FLORIDA	224,511	2002 – 2016	09-FEB-18
ALABAMA	41,566	2002 – 2016	30-JAN-17
MISSISSIPPI	10,249	2002 – 2016	10-FEB-17
LOUISIANA	165,340	2002 – 2017	31-JAN-18
TEXAS	49,758	2002 - 2016	31-JAN-17

APPENDIX A
2017 Operations Plan

2018 Operations Plan
for the
Fisheries Information Network
in the Southeastern United States
FIN

by: FIN Committee

March 2016

Number 252

**2018 Operations Plan for the
Fisheries Information Network in the
Southeastern United States (FIN)**

January 1, 2018 to December 31, 2018

I. INTRODUCTION

The Fisheries Information Network (FIN) establishes a state-federal cooperative program to collect, manage, and disseminate statistical data and information on the commercial and recreational fisheries of the Southeast Region. The FIN is comprised of a commercial fisheries component and the recreational fisheries component.

The FIN is a cooperative state-federal marine commercial and recreational fisheries data collection program. It is intended to coordinate present and future marine commercial and recreational fisheries data collection and data management activities through cooperative planning, innovative uses of statistical theory and design, and consolidation of appropriate data into a useful data base system. This operations plan implements the FIN Framework Plan for 2017. All tasks will be completed dependent upon availability of funds.

II. MISSION AND GOALS

The mission of the FIN is to cooperatively collect, manage, and disseminate marine commercial and recreational fisheries statistical data and information for the conservation and management of fishery resources in the Southeast Region and to support the development and operation of a national program.

The goals of the FIN are:

- To plan, manage, and evaluate data collection and management activities;
- To implement data collection activities;
- To establish and maintain a data management system; and
- To support the establishment of a national program.

The goals and objectives of FIN are found in Appendix A.

III. OPERATIONS

A. Operational Activities

The tasks below cover all 2018 objectives (see Section D). A “C” denotes a commercial activity; an “R” denotes a recreational activity; and an “F” denotes a commercial/recreational activity.

Task A1: Operation of Trip Ticket Programs (Goal 2, Objective 2) (C)

Objective: Operation of trip ticket program for the Southeast Region.
Team Members: Gulf States and Commercial Technical Work Group
Approach: For Texas, Louisiana, Mississippi and Alabama, this task will provide funding for the operation of their trip ticket programs. In addition, GSMFC will contract with Bluefin Data to implement and maintain electronic trip ticket reporting for Texas, Louisiana, Mississippi, Alabama, and Florida. Accomplished by meetings, telephone, and mail and in conjunction with the ACCSP, where applicable.
Resources: Operational and implementation costs, telephone costs, report costs, travel/meeting costs, and staff time.
Product: Gulf-wide trip ticket program
Schedule: Operations of trip ticket will continue in 2018 for Texas, Louisiana, Mississippi, Alabama, and Florida.

Task A2: Design, Implementation and Maintenance of Data Management System (Goal 3, Objective 3) (F)

Objective: To design, implement, and maintain a marine commercial and recreational fisheries data management system to accommodate fishery management/research and other needs (e.g., trade and tourism).
Team Members: FIN and ACCSP program partners, GSMFC Systems Administrator, SEAMAP/FIN Oracle DBA, and ComFIN Programmer/Survey Coordinator
Approach: The FIN will continue to develop the Data Management System (DMS) including the development of standard protocols and documentation for data formats, input, editing, quality control, storage, access, transfer, dissemination, and application. The ComFIN Programmer/Survey Coordinator will continue to receive routine delivery of Texas, Louisiana, Mississippi, Alabama, and Florida trip ticket data into the FIN DMS. The Oracle DBA will also maintain the historical data in the system and provide support of outside users of the system. In addition to the commercial data,

regular loads of recreational and biological data into the DMS will be accomplished. FIN will continue to work in conjunction with the ACCSP to ensure compatibility and comparability between the programs.

Resources: Travel/meeting costs, mail costs, and staff time.
Product: FIN data management system
Schedule: Routine delivery and loading of data will continue in 2017.

Task A3: Collection of Recreational Fisheries Data (Goal 2, Objective 5) (R)

Objective: Collection of recreational fisheries data in the Gulf of Mexico.
Team Members: Gulf States, GSMFC, NOAA Fisheries
Approach: This task will provide for the conduct of the MRIP survey in Mississippi, Alabama, and Florida for shore, for-hire, and private modes. This task will provide for coordination of the survey, an intercept survey of shore, for-hire and private boat anglers to estimate angler catch using the existing MRIP methodology, and entry of the data. The states will also conduct weekly telephone calls to a 10% random sample of the Mississippi, Alabama, and Florida charter boat captains to obtain estimates of charter boat fishing effort. NOAA Fisheries will produce expanded estimates using cleaned data provided via GSMFC of catch and effort by wave using the existing MRIP methodology. This also provides partial support for LA Creel Program which was implemented to replace MRIP in Louisiana. Where possible, the Committee will work with the ACCSP to ensure comparability and compatibility between the two programs.

Resources: Operational costs, travel/meeting costs, mail costs, and staff time.
Product: Collection of recreational fisheries data for the Gulf of Mexico.
Schedule: This is an on-going task.

Task A4: Continue the Collection of Menhaden Data (Goal 2, Objective 5) (C)

Objective: Continue the support of menhaden sampling in the Gulf of Mexico.
Team Members: Gulf States, GSMFC, and NOAA Fisheries
Approach: The purpose of this task is to sample gulf menhaden catches from menhaden purse-seine vessels that operate at the ports of Empire and Abbeville Louisiana. Samples will be processed for size and age composition for use in coast-wide stock assessments. In turn, gulf menhaden stock assessments are incorporated into the Fisheries Management Plan for the species, and are also utilized by the Gulf coast states, the GSMFC, the menhaden industry, and the NOAA Fisheries.

Resources: Operational costs, travel/meeting costs, mail costs, and staff time.

Product: Collection of necessary menhaden data
Schedule: This task is an on-going activity.

B. Committee Activities (see Section E for Committee and Work Group membership)

The tasks below cover all 2018 objectives (see Section D). A C denotes a commercial activity; an R denotes a recreational activity; and an F denotes a commercial/recreational activity.

Task B1: Development of Annual Operations Plan, 2019 (Goal 1, Objective 3) (F)

Objective: Develop 2019 Annual Operations Plan including identification of available resources that implements the Framework Plan.
Team Members: FIN Committee
Approach: Through meetings and mail, the Committee will develop and complete an Annual Operations Plan for 2019.
Resources: Travel/meeting costs, report costs, and staff time.
Product: 2019 Annual Operations Plan.
Schedule: Annual Operations Plan will be drafted by fall 2018 and addressed by the Committee at the March 2019 meeting.

Task B2: Development of Funding Initiatives to Establish Marine Recreational Fisheries (MRF) Surveys (Goal 1, Objective 3) (R)

Objective: Support the establishment of long-term, comprehensive MRF surveys in Puerto Rico and the Virgin Islands.
Team Members: The Recreational Technical Work Group/NOAA Fisheries/GSMFC
Approach: The Work Group has been working on this issue for several years. In 2000, the MRFSS was re-established in the U.S. Caribbean, although there were severe problems with attracting and retaining reliable intercept interviewers in the U.S. Virgin Islands. Sampling in Puerto Rico began in 2001 however this only lasted for the 2001 sampling season. In 2012, the GSMFC reinstated the coordination and administration of the recreational data collection activities in Puerto Rico. Unfortunately in 2014 GSMFC discontinued coordinating recreational data collection due to difficulties in obtaining support staff from Puerto Rico DNER and inability of PRDNER staff to adhere to new MRIP methods. GSMFC will continue to facilitate communication between all agencies to determine the best methods for recreational sampling in Puerto Rico and the U.S Virgin Islands. An MRIP Implementation Team for the Caribbean was establish in 2016 and the GulfFIN Program Manager

participated in those discussions to develop sampling priorities for that region.

Resources: Travel, copy and mailing expenses and staff time.
Product: Develop a long-term MRF surveys for the Caribbean.
Schedule: This task is an ongoing activity.

Task B3: Dissemination of Program Information (Goal 1, Objective 4) (F)

Objective: Distribute program information to cooperators and interested parties.

Team Members: FIN Committee and staff

Approach: The Committee will distribute program information to cooperators and interested parties. Each committee member is responsible for maintaining a list of information distributed and providing that list to the staff. In addition, the MRIP staff has developed a home page where users are able to access the MRIP data for their use. The user is able to specify the area, species, gear, etc. that he/she is interested in obtaining. Also, the GSMFC has developed a home page that includes information concerning the FIN.

Resources: Copy and mailing expenses and staff time.

Product: Development and distribution of a fact sheet concerning FIN has been developed. Results-oriented tables were included in the FIN Annual Report in 2009 and will continue in 2018.

Schedule: This task will be an ongoing activity.

Task B4: Implementation of Outreach Program (Goal 1, Objective 4) (F)

Objective: Implement an outreach program for FIN.

Team Members: FIN Outreach Work Group/FIN Committee

Approach: The Work Group has developed a strategy for outreach. The group developed a draft strategy document that has been reviewed and approved by the FIN Committee. As outlined in the document, it is incumbent on the program partners to conduct outreach within their jurisdiction. The Commission recently developed an Outreach Subcommittee and FIN is exploring how to utilize this group for its outreach issues, as appropriate. The FIN staff will attend a variety of meetings to promote the program as well. FIN Committee will continue to work with the ACCSP in developing outreach activities.

Resources: Telephone costs, report costs, travel/meeting costs, and staff time.

Product: FIN outreach program

Schedule: The FIN Committee approved the strategy in June 2002. The Committee will periodically review outreach activities and institute the necessary actions.

Task B5: Port Samplers Workshops (Goal 2, Objective 3) (C)

Objective: Convene workshops of state and federal port samplers to discuss commercial data collection activities

Team Members: State and federal commercial port samplers and GSMFC and NOAA Fisheries

Approach: In an effort to provide a forum for discussing various issues concerning commercial data collection activities, the FIN Committee decided to convene workshops of state and federal port agents. The Gulf of Mexico workshop will be attended by the state and federal port agents from Texas, Louisiana, Mississippi, Alabama, and Florida, NOAA Fisheries and GSMFC staff as well as other interested personnel. In addition to commercial issues, the group will also dedicate some time to discuss biological sampling issues. Some of the suggested topics for these meetings include species identification workshops, trip ticket information, sampling and sub-sampling techniques and other pertinent topics.

Resources: Telephone costs, report costs, travel/meeting costs, and staff time.

Product: Provide a forum for field personnel to discuss problems and issues related to commercial data collection activities. Develop a list of recommendations regarding commercial data collection activities.

Schedule: The need for a 2018 meeting will be evaluated based on available funding and the amount of essential agenda topics.

Task B6: Otolith Processors Training Workshop (Goal 2, Objective 3) (F)

Objective: Convene an annual workshop of state and federal otolith processors to discuss issues related to analyzing hard parts (otoliths, spines, etc.)

Team Members: State and federal processors and GSMFC and NOAA Fisheries

Approach: In an effort to provide a forum to ensure quality control and quality assurance for otolith processing, the FIN Committee decided to convene workshops of state and federal processors. Processing personnel from Texas, Louisiana, Mississippi, Alabama, Florida and NOAA Fisheries, GSMFC staff as well as other interested persons will attend the workshop.

Resources: Telephone costs, report costs, travel/meeting costs, and staff time.

Product: Provide a forum for processing personnel to discuss problems and issues related to analysis of age structures.
Schedule: The meeting will be scheduled for early to mid-2018 if the states and NOAA Fisheries continue to request attending this workshop.

Task B7: Review of Commercial QA/QC Standards (Goal 2, Objective 3) (C)

Objective: Review the existing FIN commercial quality assurances/quality control (QA/QC) standards.
Team Members: Commercial Technical Work Group, Data Management Subcommittee
Approach: The current development of a unified Gulf Trip Ticket program coupled with a planned redesign of the FIN Data Management System will aide in reviewing and editing the Commercial QA/QC standards also. The Commercial Technical Work Group will be involved with development of the new unified trip ticket system. The Data Management Subcommittee will be provided several presentations regarding progress of the new system development. This task will be accomplished by meetings, conference calls, and mail. New standards resulting from the new unified trip ticket system will be included in GulfFIN QA/QC standards documentation.
Resources: Meeting/travel costs, telephone costs, mail costs, and staff time.
Product: Updated FIN QA/QC standards
Schedule: The FIN Committee will be updated by the Commercial Technical Work Group and keep them abreast of the progress on this issue.

Task B8: Establish an Approach for Validation Commercial Conversion Factors (Goal 2, Objective 3) (C)

Objective: Establish an approach for updating commercial conversion factors.
Team Members: Commercial Technical Work Group
Approach: Previous work has shown that many of the conversion factors used in commercial data are outdated and have no details as to how they were generated. Many states have questioned the accuracy of conversion factors for several key species. A method has already been tested by FL FWC in conjunction with ACCSP that appears to be suitable. GulfFIN has selected shrimp as the first species for data collection and analysis. The Commercial Technical Work Group will be involved with the Gulf of Mexico research.
Resources: Meeting/travel costs, telephone costs, mail costs, and staff time.
Product: Updated commercial conversion factors

Schedule: The FIN Committee will be updated by the Commercial Technical Work Group and kept abreast of the progress on this issue.

Task B9: Review and Update of Recreational Standards (Goal 2, Objective 3) (F)

Objective: Review and modify the existing FIN recreational standards documentation.

Team Members: Recreational Technical Work Group

Approach: The current Recreational Standards document is outdated and in need of improvement. The ACCSP has developed a recreational standards document and FIN would likely utilize this document as a starting point. Work is already beginning on logbook electronic reporting in the for-hire sector and this standards document needs to include these types of data collection programs. This team should also be involved in the process of statistical review of state recreational data programs such as LA Creel and other red snapper pilot projects currently in process. This task will be accomplished by meetings, conference calls, and mail.

Resources: Meeting/travel costs, telephone costs, mail costs, and staff time.

Product: Updated FIN QA/QC standards

Schedule: This work started in 2016 and subsequently stalled due to lack of participation. The Recreational Technical Work Group needs to reconvene in 2017 with the goal of providing a revised FIN Standards document to the FIN Committee in 2018.

Task B10: Evaluation of Recreational Data (Goal 2, Objective 5) (F)

Objective: Periodically review the recreational catch and effort data collected under the Marine Recreational Information Program methods.

Team Members: Gulf States, GSMFC and NOAA Fisheries

Approach: The Gulf States, GSMFC and NOAA Fisheries will review the catch and effort data collected under the MRIP methods after each sampling wave estimates are generated via electronic mail submissions. If necessary conference calls and webinars will be convened. The group will examine the catch data looking for potential species misidentifications and outliers (overly large/small or light/heavy fish, etc.). For the effort data, the group looks at the historical data and compares it with the current wave data to determine if there are large decreases or increases. These reviews are conducted to ensure the best quality data are used in generating the recreational fishing estimates. The Gulf States, GSMFC, and NOAA Fisheries will also meet face to face at minimum once per

year to discuss performance issues and discuss proposed survey methodology changes.

Resources: Telephone costs, report costs, travel/meeting costs, and staff time

Product: Periodic review of recreational fisheries data.

Schedule: The group will review 2018 wave estimates via electronic communications in May and September. The group will meet face to face in November or December 2018 to review the sampler performance and discuss survey methodology. Topics that need to be addressed include:

- Investigate methods for improving sampling coverage of offshore trips;
- Identify geographic regions of interest for recreational sampling;
- Increase recreational sampling levels Gulf-wide; and
- Optimize sampling allocations to improve precision for key species.

Many of these issues are being addressed by NOAA Fisheries MRIP staff. FIN should utilize these efforts to avoid duplication of effort.

Task B11: Integration into the Stock Assessment Process (Goal 2, Objective 5) (F)

Objective: Develop a plan that outlines the needs for stock assessment for the upcoming years as well as tracking the collection of these data.

Team Members: FIN Committee/Data Collection Plan Work Group

Approach: The Committee has developed a data collection plan that identifies the priority species (and associated data needed to be collected) for the state, interstate and federal entities as well as establishes sampling target levels for biological data. The plan provides guidance to the states and the Committee has developed a feedback mechanism to the SEDAR process regarding the adequacy of the level of biological sampling. This task will be accomplished by meetings, telephone and mail.

Resources: Meeting costs, mail costs, telephone costs, and staff time

Product: Data collection plan

Schedule: The group will meet in 2018 to review activities, develop a biological sampling annual plan, and provide recommendations to FIN regarding sampling targets provided funding is available for sample collections.

Task B12: Collection of Soft Tissue and Other Biological Information (Goal 2, Objective 5) (F)

Objective: Be responsive to requests for soft tissue and other biological information, as needed.

Team Members: FIN partners

Approach: Through FIN, partners need to be aware of soft tissue and other biological information requests and collect the needed information as resources and time permits. This task will be accomplished by meeting, telephone and mail.

Resources: Telephone costs, report costs, travel/meeting costs, and staff time.

Product: Collection of needed biological data.

Schedule: As requests are made, staff will provide the pertinent information to FIN partners and they will attempt to collect the requested information based on available resources and time. This is an ongoing activity.

Task B13: Collection of Social/Economic Data (Goal 2, Objective 5) (F)

Objective: Implement the collection of the social/economic data in the Gulf of Mexico.

Team Members: FIN Committee

Approach: The GSMFC in conjunction with NOAA Fisheries had hired a term economist to work on various economic projects but funding ended in 2014. The implementation of this module should continue and issues to consider include securing long-term funding; increasing economic data collection and support trending over time; improving coordination among management entities and developing a uniform approach for assessing the impact of management decisions and fishery disasters. This task will be accomplished by meeting, telephone and mail and in conjunction with the ACCSP, where applicable.

Resources: Telephone costs, report costs, travel/meeting costs, and staff time.

Product: Social/Economic data.

Schedule: GSMFC will continue to work to obtain funding with the goal of retaining a permanent economist. This is an ongoing activity.

Task B14: Compilation of Metadata (Goal 2, Objective 5) (F)

Objective: Compile metadata from the FIN partners for inclusion into a metadata database.

Team Members: FIN and ACCSP staff and FIS personnel

Approach: The Recreational Technical Work Group has worked on this issue in the past and has developed criteria for creating a metadata database. FIN has populated the metadata data base using the InPort tool. States will routinely update and/or add information to the system. The FIN has hired a part-time staff person to assist the states

in compiling this information. The status of metadata compilation is a standing item on the Gulf of Mexico Geographic Subcommittee.

Resources: Meeting/travel costs, telephone costs, mail costs, staff time.

Product: Development of metadata module

Schedule: The compilation of these data will be an ongoing activity and is routinely discussed by the Gulf of Mexico Geographic Subcommittee. The subcommittee will provide a report to FIN at the March and October 2018 meetings.

Task B15: Evaluation of Innovative Data Collection Technologies (Goal 2, Objective 6) (F)

Objective: Evaluate and recommend innovative data collection technologies

Team Members: FIN Committee and other appropriate personnel.

Approach: Communicate results of evaluation and recommendations regarding marine commercial and recreational fisheries surveys to the appropriate personnel.

Resources: Travel/meeting costs, report costs, and staff time

Product: Communication and presentation of recommendations to ongoing programs.

Schedule: This is an ongoing activity.

Task B16: Exploration of Strategies for In-Season Quota Monitoring (Goal 2, Objective 6) (R)

Objective: Explore strategies for implementing in-season quota monitoring for the recreational fisheries in the Gulf of Mexico.

Team Members: Recreational Technical Work Group

Approach: In the past, FIN has recommended that in-season quota monitoring for recreational fisheries not be implemented; however, it appears the in-season quota monitoring has become an important recreational issue with shorter seasons for many key species. Some work has been accomplished specific to red snapper data collection pilot programs in each Gulf State. The FIN will continue to work in conjunction with the Marine Recreational Information Program (MRIP) to explore this issue.

Resources: Travel/meeting costs, report costs, and staff time

Product: Potential strategies for implementing in-season quota monitoring.

Schedule: The MRIP will provide periodical reports to the FIN Committee to keep them abreast of the progress on this issue.

Task B17: Improve Timeliness of Data to Support Quota Monitoring (Goal 2, Objective 6) (C)

Objective: Improve timeliness of commercial data to support quota monitoring for the commercial fisheries in the Gulf of Mexico.

Team Members: NMFS and FIN staff

Approach: NMFS instituted a rule in 2011 that all federally-permitted dealers are required to report their commercial landings via electronic means. In 2016 GulfFIN contractor began creating a new electronic trip ticket program to meet evolving dealer technology needs. In 2017 GulfFIN started working on developing new QA/QC processes to provide cleaner data in a more timely fashion. This work is in part to better address this task.

Resources: Travel/meeting costs, report costs, and staff time

Product: Increased electronic reporting.

Schedule: NMFS, Gulf States and FIN staff will continue to increase the number of commercial dealers who report via electronic means and improve the reporting system to meet scientific needs.

Task B18: Evaluation of Information Management Technologies (Goal 3, Objective 6) (F)

Objective: Evaluate and recommend innovative, cost-effective information management technologies.

Team Members: FIN Committee and industry personnel

Approach: Committee members will report any new technologies, which will aid in the management of marine commercial and recreational fisheries data.

Resources: Travel/meeting costs, conference call costs, report costs, and staff time.

Product: Progress reports.

Schedule: This is an ongoing activity.

Task B19: Implementation of Long-term National Program Planning (Goal 4, Objective 1) (F)

Objective: Provide for long-term national program planning.

Team Members: FIN Committee

Approach: The FIN Committee members, GSMFC staff and ASMFC staff will attend Pacific RecFIN, PacFIN, ACCSP Operations Committee, and other pertinent meetings and coordinate activities as appropriate. This task will be accomplished by mail and meetings.

Resources: Travel/meeting costs, report costs, and staff time.

Product: Record of coordination activities.

Schedule: This task is an ongoing activity.

Task B20: Coordination, Consistency and Comparability with Other Cooperative Marine Commercial and Recreational Fisheries Programs (Goal 4, Objective 2 and Objective 3) (F)

Objective:	Coordinate FIN with other regional cooperative marine commercial and recreational fisheries programs and encourages consistency and comparability among regional programs over time.
Team Members:	FIN Committee
Approach:	The FIN Committee members, GSMFC staff and ACCSP staff will coordinate activities with the Pacific States Marine Fisheries Commission as well as attend the national Fisheries Information System (FIS) meetings. The FIN and ACCSP staffs periodically meet jointly to discuss the activities that each program is involved in and where the two programs can work together. This task will be accomplished by mail and meetings.
Resources:	Travel/meeting costs, report costs, and staff time.
Product:	Ensure adequate information exchange, consistency and comparability between all regional fisheries programs and compilation of a record of information exchange.
Schedule:	This task is an ongoing activity.

C. Administrative Activities

Coordination and administrative support of FIN will be accomplished through The Gulf States Marine Fisheries Commission. Major tasks involved in the coordination and administration of the various levels of FIN include but are not limited to the following:

- Work closely with the FIN Committee in all aspects of program coordination, administration, and operation;
- Implement plans and program directives approved by the FIN Committee;
- Provide coordination and logistical support, including communications and organization of meetings for the FIN Committee, subcommittees, and work groups;
- Develop and/or administer cooperative agreements, grants, and contracts;
- Serve as liaison between the FIN Committee, other program participants, and other interested organizations;
- Assist the FIN Committees in preparation or review of annual spending plans;

- Prepare annual operations plans under the direction of the FIN Committee;
- Prepare and/or supervise and coordinate preparation of selected documents, including written records of all meetings;
- Distribute approved FIN information and data in accordance with accepted policies and procedures as set forth by the FIN Committee;
- Assist in the identification of regional and geographic needs that can be satisfied through FIN activities;
- Conduct or participate in other activities as identified.

D. Time Table

	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>
Planning, Management, and Evaluation					
FIN Committee					
Maintenance of FIN Committee	X	X	X	X	X
Framework Plan					
Review of Framework Plan					X
Operations Plans					
Development of annual operations plans	X	X	X	X	X
Define approach for assessing partner needs and requirements		X			
Information dissemination					
Coordinate with ACCSP and NMFS to develop outreach/education materials	X	X	X	X	X
Use Internet communications	X	X	X	X	X
Create on-boarding process for new FIN Committee members	X				
Program Review					
Conduct periodic FIN strategic planning		X		X	
Data Collection					
Quality control/assurance					
Evaluate alternative methods for collecting recreational discard information	X				
Review of commercial and recreational QA/QC standards	X	X			
Establish approach for validating commercial conversion factors	X	X			
Coordination of data collection					
Development of data collection plan	X	X	X	X	X
Development of recreational data standards	X	X			
Expand collection of metadata	X	X	X	X	X
Evaluate suitability of new data sources and integrate FIN data system	X	X	X	X	X
Prioritize species for additional biological sampling	X	X			
Continue coordination of biological sampling	X	X	X	X	X
Evaluate biological sampling strategies		X			
Collect soft tissue, etc samples, as time permits	X	X	X	X	X
Innovative collection technology					
Evaluate innovative data collection technologies	X	X	X	X	X
Data Management					
Hardware/software capabilities					
Review hardware/software capabilities					X
Data maintenance	X	X	X	X	X
Integration of databases					
Identify appropriate databases for integration in DMS	X	X	X	X	X
Innovative data management technology					
Evaluate innovative data management technologies	X	X	X	X	X
Protect data confidentiality	X	X	X	X	X
Develop improved end-user access tools	X				

Development of National Program

Long-term and coordination with other programs planning

Coordination with ACCSP and Pacific RecFIN

Coordination with other programs

X

X

X

X

X

APPENDIX A

FIN Goals and Objectives

Goal 1: To plan, manage and evaluate a coordinated State/Federal marine commercial and recreational fishery data collection program for the Region.

- Objective 1 To establish and maintain FIN Committee consisting of MOU signatories or their designees to develop, implement, monitor and evaluate the program.
- Objective 2 To develop and periodically review a Framework Plan that outlines policies and protocols of the program
- Objective 3 To develop annual operation plans, including identification of available resources that implement the Framework Plan.
- Objective 4 To distribute program information to the cooperators and interested parties.
- Objective 5 To conduct an internal program review at least every five years of operation to evaluate the program's success in meeting needs in the Region.

Goal 2: To implement and maintain a coordinated State/Federal marine commercial and recreational fishery data collection program for the Region.

- Objective 1 To characterize and periodically review the commercial and recreational fisheries and identify the required data priorities for each.
- Objective 2 To identify and periodically review environmental, biological, social and economic data elements required for each fishery.
- Objective 3 To identify, determine, and periodically review standards for data collection, including statistical, training and quality assurance.
- Objective 4 To identify and evaluate the adequacy of current programs for meeting FIN requirements.
- Objective 5 To coordinate, integrate and augment, as appropriate, data collection efforts to meet FIN requirements.

Objective 6 To evaluate and recommend innovative data collection methodologies and technologies.

Goal 3: To establish and maintain an integrated, marine commercial and recreational fishery data management system for the Region.

Objective 1 To periodically review and make recommendations regarding the location and administrative responsibility for the FIN data management system.

Objective 2 To periodically evaluate the hardware, software and communication capabilities of program partners and make recommendations for support and upgrades.

Objective 3 To implement, maintain, and periodically review a marine commercial and recreational fishery data management system to accommodate fishery management/research and other needs.

Objective 4 To develop, maintain, and periodically review standard protocols and documentation for data formats, inputs, editing, storage, access, transfer dissemination, and application.

Objective 5 To identify and prioritize historical databases for integration into the marine commercial and recreational fisheries database.

Objective 6 To evaluate and recommend innovative, cost-effective information management technologies.

Objective 7 To protect the confidentiality of personal and business information, as required by state and/or federal law.

Goal 4: To support the development and operation of a national program to collect, manage and disseminate marine commercial fisheries information for use by states, territories, councils, interstate commissions and federal marine fishery management agencies.

Objective 1 To provide for long-term national program planning.

Objective 2 To coordinate FIN with other regional and national marine commercial and recreational fisheries programs.

Objective 3 To encourage consistency and comparability among regional and national marine commercial and recreational fisheries programs over time.

APPENDIX A

FIN Goals and Objectives

Goal 1: To plan, manage and evaluate a coordinated State/Federal marine commercial and recreational fishery data collection program for the Region.

- Objective 1 To establish and maintain FIN Committee consisting of MOU signatories or their designees to develop, implement, monitor and evaluate the program.
- Objective 2 To develop and periodically review a Framework Plan that outlines policies and protocols of the program
- Objective 3 To develop annual operation plans, including identification of available resources that implement the Framework Plan.
- Objective 4 To distribute program information to the cooperators and interested parties.
- Objective 5 To conduct an internal program review at least every five years of operation to evaluate the program's success in meeting needs in the Region.

Goal 2: To implement and maintain a coordinated State/Federal marine commercial and recreational fishery data collection program for the Region.

- Objective 1 To characterize and periodically review the commercial and recreational fisheries and identify the required data priorities for each.
- Objective 2 To identify and periodically review environmental, biological, social and economic data elements required for each fishery.
- Objective 3 To identify, determine, and periodically review standards for data collection, including statistical, training and quality assurance.
- Objective 4 To identify and evaluate the adequacy of current programs for meeting FIN requirements.
- Objective 5 To coordinate, integrate and augment, as appropriate, data collection efforts to meet FIN requirements.

Objective 6 To evaluate and recommend innovative data collection methodologies and technologies.

Goal 3: To establish and maintain an integrated, marine commercial and recreational fishery data management system for the Region.

Objective 1 To periodically review and make recommendations regarding the location and administrative responsibility for the FIN data management system.

Objective 2 To periodically evaluate the hardware, software and communication capabilities of program partners and make recommendations for support and upgrades.

Objective 3 To implement, maintain, and periodically review a marine commercial and recreational fishery data management system to accommodate fishery management/research and other needs.

Objective 4 To develop, maintain, and periodically review standard protocols and documentation for data formats, inputs, editing, storage, access, transfer dissemination, and application.

Objective 5 To identify and prioritize historical databases for integration into the marine commercial and recreational fisheries database.

Objective 6 To evaluate and recommend innovative, cost-effective information management technologies.

Objective 7 To protect the confidentiality of personal and business information, as required by state and/or federal law.

Goal 4: To support the development and operation of a national program to collect, manage and disseminate marine commercial fisheries information for use by states, territories, councils, interstate commissions and federal marine fishery management agencies.

Objective 1 To provide for long-term national program planning.

Objective 2 To coordinate FIN with other regional and national marine commercial and recreational fisheries programs.

Objective 3 To encourage consistency and comparability among regional and national marine commercial and recreational fisheries programs over time.