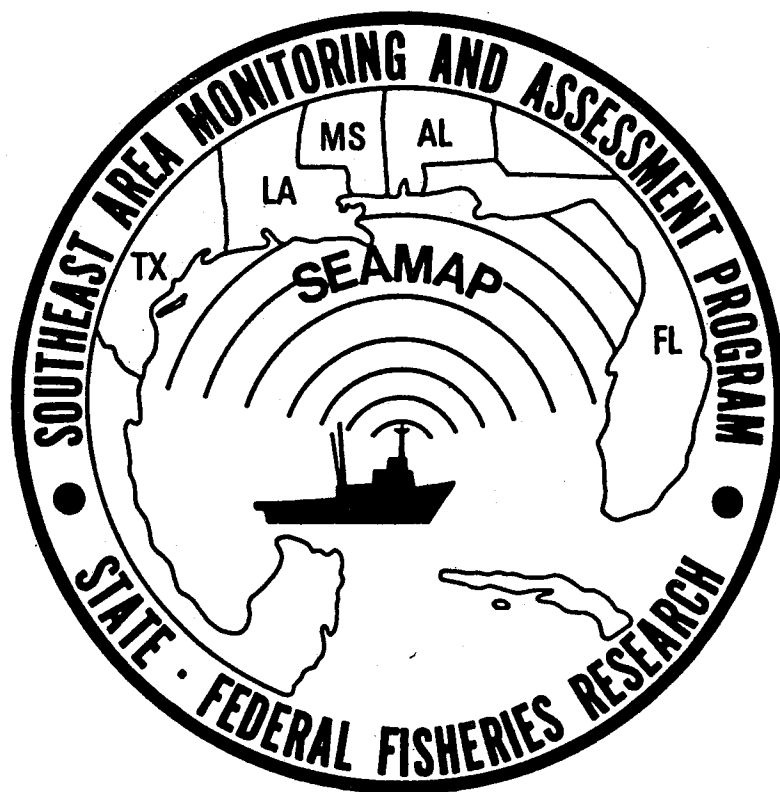


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1984 SEAMAP MARINE DIRECTORY



GULF STATES MARINE FISHERIES COMMISSION

MARCH 1984

INTRODUCTION

The Southeast Area Monitoring and Assessment Program (SEAMAP) is a cooperative state/Federal/university program for the collection, management, and dissemination of fishery-independent data (data collected without direct reliance on any commercial or recreational fishery) and information in the southeast region.

This Directory, incorporated into the Thirty-fourth Annual Report of the Gulf States Marine Fisheries Commission, updates information contained in the first (1983) SEAMAP Marine Directory, and describes survey activities (ongoing programs, vessel schedules, etc.) throughout the Gulf of Mexico. The SEAMAP Program is managed through the office of the Executive Director of the Gulf States Marine Fisheries Commission.

Agencies responding to the 1984 Directory were contacted in fall 1983 and requested to provide current information or projected changes in their survey programs. Tables 1, 2 and 3 are condensed summaries of information submitted by responding agencies and organizations, indicated as either Federal, state or university activities.

Representatives of agencies contributing information to the 1983 or 1984 Directory are listed alphabetically in Appendix A by organizational category. The SEAMAP Subcommittee would like to express its appreciation to all organizations responding to the request for information. Other organizations conducting fishery-independent marine or estuarine surveys are encouraged to contact the SEAMAP Program for inclusion in future listings. The Directory will be updated each year, with copies supplied to participating organizations.

Appendix B lists published documents which have been produced by the SEAMAP Program and are available through the Gulf States Marine Fisheries Commission.

Questions and requests for detailed information concerning the SEAMAP Marine Directory should be referred to:

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TABLE 1. SUMMARY OF INFORMATION PROVIDED BY FEDERAL AGENCIES

Agencies	Target Species	Life Stages Samples	TYPES OF FISHERY-INDEPENDENT SAMPLING		ANNUAL EFFORT DEVOTED TO FISHERY-IND. SAMPLING BY ACTIVITY IN:		TYPES OF GEAR		Sample Strategy for Data Collection	Anticipated Changes in Direction of Fishery-Ind. Activities Over Next 5 Years	High Priority Species That are Presently Unable To Sample	
			Area Sampled	Geographic Areas of Importance	Types of Platforms	No. of Days	No. of Samples	Fishing, Trawling				Plankton
NOAA NMFS/SEFC Miss. Labs. Pascagoula, MS	All penaeid shrimp, croaker, spot, trout, catfish	Subadult-adult	U.S. Gulf of Mexico	Territorial, open ocean (FCZ)	170' R/V NOAA Ship OREGON II	135/yr toward target species 243/yr total sea days	1644/yr trawl stations, 180 ichthyo/yr 80 neustons/yr	Standard 40' semiballoon trawl	Bongo array w/ .333" mesh nets .15-cm neuston net .947 mm	Random (stratified)	None	Coastal & midwater pelagics Cannot adequately sample reef fish
NOAA, NMFS/SEFC Miami Lab. Miami, FL	All recreationally & commercially important species	Larval stages	U.S. Gulf of Mexico	Internal, territorial	170' R/V OREGON II & various small boats	35/yr	1500/yr	No fishing or trawling gear	Bongo nets 60 & 20-cm w/.333 μm mesh; neuston nets 1 x 2-m w/ 0.547-μm mesh	Systematic, grid basis, long-term station selection	Continuation of SEAMAP, continuation of SE Florida National Park monitoring	None
NOAA, NMFS/SEFC Beaufort, NC	All economically important fish	Larval stages	Galveston Bay, Mississippi Delta, Cape San Blas	Internal, territorial, FCZ	170' R/V OREGON II, 278' R/V RESEARCHER	24 days/yr 25 days/yr			505-μm nitex, 67-μm nitex	Short-term special studies	None	None
NOAA, NMFS/SEFC Galveston, TX	All penaeid shrimp, ocellated flounder, rock sea bass, dwarf sand perch, red snapper, lane snapper, southern kingfish, blackfin sea robin, bighead sea robin, inshore lizard fish	Post larval-adult	U.S. Gulf of Mexico	Internal, (FCZ)	170' R/V OREGON II (Texas Closure). Charter vessels, CAPT. EDDIE & MISS VIRGINIA, for Tortugas Sanctuary	117 days total Texas Closure & Tortugas Sanctuary		(Texas Closure) Same as OREGON II (CAPT. EDDIE & MISS VIRGINIA) 4-4 40' flat net	Same as OREGON II No plankton nets	Random (stratified) for Texas Closure & Tortugas Sanctuary Short-term special studies for estuarine ecology	None	None
U.S. Dept. of Interior, Fish & Wildlife, LSU, Baton Rouge, LA	All economically estuarine-dependent fishes & crustaceans	Larval-juvenile	SW Louisiana	Estuarine	(1) mudboat 275 hp (1) airboat 250 hp (1) outboard 35 hp	365/yr	Varies w/ project	16' flat otter trawl and traps	0.5-m 0000 plankton net, 6' beam trawl w/ 0000 mesh	Systematic, long-term station selection, short-term special studies	In 1 year, work will be decreased considerably	None
U.S. Army COE Mobile, AL	All commercial & recreational benthic species	All stages	Mobile Bay, MS Sound, U.S. Gulf of Mexico to the 20 fm contour	Internal, territorial	Charter research vessel	Varies w/ project	Varies w/ project	Varies		Systematic, random, short-term special studies	None	None

TABLE 2. SUMMARY OF INFORMATION PROVIDED BY STATE AGENCIES

Agencies	Target Species	Life Stages Samples	TYPES OF FISHERY-INDEPENDENT SAMPLING		ANNUAL EFFORT DEVOTED TO FISHERY-IND. SAMPLING BY ACTIVITY IN:		TYPES OF GEAR		Sample Strategy for Data Collection	Anticipated Changes in Direction of Fishery-Ind. Activities Over Next 5 Years	High Priority Species That are Presently Unable To Sample	
			Area Sampled	Geographic Areas of Importance	Types of Platforms	No. of Days	No. of Samples	Fishing, Trawling				Plankton
Texas Parks & Wildlife	All penaeid shrimp, all other species	Juvenile-adult	TX internal coastal waters and territorial sea	Internal, territorial	30' inboard & 18' out-board skiffs, 40-45' inboard	365/yr	960/yr 1440/yr 520/yr 960/yr 666/yr 40/yr	60' bag seines (shoreline) 20' trawl (bay, open water) 20' trawl (bay to Gulf Pass) 26' trawl (Gulf waters) Gill nets for adult finfish (along shore) 40' trawl (Gulf waters)	Random	None	Include Sabine Lake and Gulf beaches in sampling	
Louisiana Dept. Wildlife & Fisheries	All penaeid shrimp and groundfish	Larval to adult	LA inshore waters, territorial seas, FCZ	Internal, territorial	13-17' out-boards for 6' trawl; 30' in-boards for 16' trawls; 85' vessel (LOOP) for 50' trawl	137/yr state 92/yr LOOP	Plankton, 1165/yr; Benthos, 56/yr; Trawls: 1225/yr 1288/yr 494/yr 72/yr 12/yr	½-m surface ring nets (153 and 363 µm) 1-m surface ring (363 µm) 60-cm bongo nets (363 µm)	Long-term station selection and LOOP monitoring	Reorganization of territorial sea sampling; increase emphasis on commercial and recreational finfish	Most of the important commercial and recreational catch	
Mississippi Bureau of Marine Resources	All penaeid shrimp, speckled trout, redfish, mullet, black drum, flounder, snapper, grouper, white trout, ground mullet, menhaden, blue crab	Juvenile-adult	MS territorial sea	Internal, territorial (FCZ)	32' Laffitte 19' Cobia 65' Oyster Dredge Boat	50/yr 10/yr 50-60/yr	Varies Oyster 6/mo Shrimp 10-15/mo	12' and 16' trawl Oyster tongs and dredge	Long-term station selection, varies with opening and closing of areas	Increase and expand mackerel, snapper, grouper research with age and growth length frequency	Highest priority are shrimp and oysters; finfish inadequate personnel	
Alabama Dept. of Conservation & Nat. Resources	All penaeid shrimp, bay anchovy, Gulf menhaden, croaker, spot, seatrout, red drum	Larval-adult	AL marshes to territorial sea	Internal, territorial	18' Seacraft, 115 hp; 23' T-craft, 115 hp	108/yr	960/yr	50' bag seine 16' otter trawl	6' beam plankton trawl	Long-term station selection	None	Increase level of sampling in AL territorial sea, presently prevented due to lack of appropriate vessel
Florida Dept. of Natural Resources	Red drum spotted trout, snook, king mackerel, mullets, gag grouper, tarpon, stone crab, blue crab, spiny lobster, oysters, hard clam	All stages, larval-adult	FL waters & offshore	Internal, territorial	37' R/V BONNIE "E", 27' Sea Star twin I/O, 24' T-craft inboard, 2 small out-boards used for inshore sampling, 1 mullet skiff	Varies Weekly intervals (annually)	Varies with project	100' bag seine Benthic sled w/net Trammel net, 600' x 8' Lobster & crab traps	Systematic, random (stratified), grid basis Long-term station selection, short-term special studies	Creation of Marine Fisheries Commission	Mainly applies to implementation of research phases on current species or topics w/additional personnel and increased funding	

TABLE 3. SUMMARY OF INFORMATION PROVIDED BY UNIVERSITIES

			TYPES OF FISHERY-INDEPENDENT SAMPLING			ANNUAL EFFORT DEVOTED TO FISHERY-IND. SAMPLING BY ACTIVITY IN:		TYPES OF GEAR				
Universities	Target Species	Life Stages Samples	Area Sampled	Geographic Areas of Importance	Types of Platforms	No. of Days	No. of Samples	Fishing, Trawling	Plankton	Sample Strategy for Data Collection	Anticipated Changes in Direction of Fishery-Ind. Activities Over Next 5 Years	High Priority Species That are Presently Unable To Sample
FLORIDA												
Florida State Tallahassee	Benthic in-fauna Epibenthic fishes & invertebrates	Larval-adult	NE Gulf of Mexico	Internal, territorial	(3) 55 hp 25' skiffs, outboard	48/yr	Monthly samples; both trawl & environ.	Standard 5-m otter trawl	80- μ m plankton net	Systematic, random long-term station sel., short-term special studies	More environmental experimentation	Areas: Apalachicola Bay system & Apalachee Bay; species: all species in those areas
Univ. West Florida Pensacola	Snappers groupers triggerfish	Subadult-adult	NE Gulf of Mexico	Internal	(1) 23' R/V ARGONAUT	7/yr trawling, 14/yr plankton neuston	50/yr 140/yr	16' otter trawl	2 (1-m) nets 3 (1-m) neustons	Systematic, random (stratified)	None	None
Florida Sea Grant Gainesville	Oysters, spiny lobster, swordfish, tilefish, snowy grouper, shark and clams	All stages	FL waters	Estuarine, coastal	Industry, NMFS and F.I.O. contract vessels	Varies w/ project	Varies w/ project			Varies w/project	None	None
Florida Institute of Oceanography St. Petersburg	All species	All stages	Gulf, Caribbean and South Atlantic	Internal, territorial	R/V. SUNCOASTER	20-30/project	Varies	40' otter trawl, Tucker Trawl, Shellfish dredge	Various plankton nets	Random, long-term station sel., short-term special studies	To continue w/SEAMAP; Expanded environmental	None
ALABAMA												
Univ. So. Alabama Mobile	All finfish	Egg & larvae	Mobile Bay and nearshore waters	Internal, territorial	40' R/V DEBORAH "B"	15/yr	200/yr		Meter net 505-mm mesh demersal, & neuston	Systematic, grid basis, long-term station selection	None	None
MISSISSIPPI												
Univ. So. Mississippi Hattiesburg	American eel, freshwater prawn, all estuarine finfish	All stages	MS estuarine Northern Gulf	Estuarine, territorial	Various small skiffs (outboard)	Varies	Varies	Standard basic equipment	Standard basic equipment	Short-term special studies	Increase development of a marine science program	None
Gulf Coast Research Laboratory	All penaeid shrimp, blue crab, croaker, spot, seatrout, catfish, Gulf menhaden, At. bumper, sea mullet, butterflyfish, cutlassfish	Larval-adult	MS territorial sea	Internal, territorial (FCZ)	96' R/V TOMMY MUNRO (5) 24' skiffs (1) 30' R/V CANNET (1) 35' R/V HERMES	Semimonthly at 2-wk intervals	216 trawl stations/yr	50' bag seine 36' otter trawl 16' otter trawl 6' renfro beam trawl, Variable mesh gill net sampler	Tucker Trawl	Long-term station selection	Fishery Division anticipates its program of monitoring & assessment over the long term with appropriate increases in intensity & scope if funds become available.	The adult phases of most species (both finfish & shrimp) occur offshore where coherent long-term sampling is difficult due to current funding restrictions. These same restrictions preclude adequate inshore sampling of the adults of some species such as striped mullet.

TABLE 3. (CONTINUED)

			TYPES OF FISHERY-INDEPENDENT SAMPLING		ANNUAL EFFORT DEVOTED TO FISHERY-IND. SAMPLING BY ACTIVITY IN:			TYPES OF GEAR					
Universities	Target Species	Life Stages Samples	Area Sampled	Geographic Areas of Importance	Types of Platforms	No. of Days	No. of Samples	Fishing, Trawling	Plankton	Sample Strategy for Data Collection	Anticipated Changes in Direction of Fishery-Ind. Activities Over Next 5 Years	High Priority Species That are Presently Unable To Sample	
LOUISIANA													
Univ. New Orleans New Orleans	Blue crab, oysters, marine commercial finfish	All stages	Lake Pontchartrain	Internal		Varies				Short-term special studies	To analyze commercial fish pops. by use of protein electrophoresis & multivariant analysis of morphometric characters	None	
McNeese St. University Lake Charles	All penaeid sp., Gulf menhaden, red drum	All stages	Nearshore Gulf off Cameron/Holly Beach, Calcasieu Lake, Calcasieu Pass	Estuarine, coastal	65' R/V CAPT. BRADY JOSEPH	12-24/yr for 4 disciplines 75/yr total		Benthic nekton, phytoplankton, Zooplankton	15-m balloon otter trawl, 5-m flat otter trawl	3-liter Van Dorn bottle, 67-cc bongo array, 0.333-mm & 0.505-mm mesh nitex nets, Ring net 1.0 m w/ .353 mesh	Grid basis Long-term station selection Short-term special studies	Scale down sampling activities from monthly to quarterly. Direction will remain essentially unchanged.	None
Nicholls St. University Thibodaux	Oysters	All stages	Terrebonne Bay, Barataria Bay	Estuarine	21' skiff 30' oyster dredge boat	48/yr	144/yr	Oyster dredge		Random, long-term station selection	Two more yrs. w/oyster project before it ends	None	
Louisiana St. University Baton Rouge (9 projects):													
169-20-1014	Red drum, spotted sea trout	Juveniles	Caminada Bay,	Estuarine		Varies	Varies			Special study to compare sampling efficiency	Short-term special study	None	
169-20-4108	All nekton	All stages	Upper Calcasieu	Estuarine	19' Boston Whaler	12-20	50	16' trawl w/ modified net		Stratified, short-term station select.	1-yr special study	None	
169-20-0117	Benthic macrofauna	All stages	Caillou Is.	Internal, coastal	Oil rig	Varies	6	Box corer		Site-specific special study	Short-term special study	None	
169-20-4112	King mackerel, other coastal pelagics	Juvenile, adults	Grand Isle	Internal, coastal	24' Aqua-sport	Varies	Varies	Trolling (4 lines)		Sample in areas of commercial activity	Increase tagging activity to include Mexican stocks	None	
Pending	Shrimp	Larvae	Sabine and Rockefeller Refuges	Estuarine	Airboat w/ towed skiff	30	80	Drop net		Short-term station selection	Two additional years	None	
169-20-1210	Snapper, grouper, tilefish	Adults	Cont. shelf of FCZ	Internal, territorial	Chartered shrimper	15	15	1000-hook longline		Exploratory	Short-term special study	None	
Pending	Squid	Adults	LA Cont. shelf	Internal, territorial	Chartered shrimper	10	Varies	4-line squid jig		Exploratory	Short-term special study	None	
169-20-4123	Nekton, benthos	All stages	Pt. Au Chien Mgmt. Area	Estuarine	Small Boston Whaler	30		Box corer, unspecified nets		Long-term station selection	None	None	
169-20-0107	Nekton	Juveniles, adults	Calcasieu Ship Canal	Coastal, estuarine	Commercial wing-net shrimper	20-25	200	Wing-net		Areas of commercial	Short-term special study	None	
Louisiana Universities Marine Consortium	Zooplankton, benthos	All stages	Terrebonne and Timbalier Bays, Inner Cont. shelf	Internal, territorial	Small out-boards 44' R/V R.J. RUSSELL	30/yr	Varies	5-m otter trawl	.33-µm, 0.5-m net	Fixed station transects	Expand effort using new 17-m and 32-m vessels		

TABLE 3. (CONTINUED)

			TYPES OF FISHERY-INDEPENDENT SAMPLING		ANNUAL EFFORT DEVOTED TO FISHERY-IND. SAMPLING BY ACTIVITY IN:			TYPES OF GEAR				
Universities	Target Species	Life Stages Samples	Area Sampled	Geographic Areas of Importance	Types of Platforms	No. of Days	No. of Samples	Fishing, Trawling	Plankton	Sample Strategy for Data Collection	Anticipated Changes in Direction of Fishery-Ind. Activities Over Next 5 Years	High Priority Species That are Presently Unable To Sample
TEXAS												
Univ. of TX Austin Marine Science Laboratory Port Aransas	All larval fishes Ecosystem/benthic	All stages	Internal & territorial waters	Internal, territorial (FCZ)	80' R/V LONGHORN 57' R/V KATY	100/yr	Varies w/ project	42' semiballoon shrimp trawl, 40' otter semi-balloon trawl	12' x 24" plankton net	Short-term special studies	Institute expansion on all present programs	None
Texas A & I Kingsville	All inshore bay species	All stages	Corpus Christi to Brownsville	Internal, coastal		24/yr	150/yr			Short-term special studies	None	None
Texas A & M College Station	All penaeid shrimp, all finfish	All stages	Bryan Mound, Freeport	Internal territorial (FCZ)	Shrimp vessel	40/yr	Monthly samples	40' shrimp trawl		Long-term station selection, short-term special studies, systematic, grid basis	Monitoring Hackberry Site	Groundfish species

APPENDIX A
MARINE AGENCY CONTACTS

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APPENDIX B
SEAMAP DOCUMENTS

SEAMAP DOCUMENTS LIST, 1982 - Current

1. SEAMAP Strategic Plan - January 1981. The initial planning document describing the intent to develop the SEAMAP Program and outlining preliminary goals and objectives, assessment requirements and priorities, research strategies, and funding requirements.
2. SEAMAP Quick-Reports (Data Summaries) - Six summaries: June-July, 1982; seven summaries: June-July, 1983. Summaries of catch rate information from the 1982 and 1983 spring-summer SEAMAP shrimp/groundfish surveys in the northern Gulf of Mexico, indicating stations sampled, catch rates, assessment of shrimp and finfish yields, and synopses of hypoxic conditions in the survey areas.
3. 1983 SEAMAP Marine Directory - May 1983. An inventory of marine agency contracts (state, Federal, and university) concerned with fisheries research in the Gulf, and summaries of information provided by these organizations: target species; types of fishery-independent sampling gear and platforms; annual sampling effort; and other material.
4. SEAMAP Information System Manual - Fall 1983. A description of the data management program supporting SEAMAP surveys and collecting activities, detailing the data processing and quick-report subsystems and presenting data formats for SEAMAP surveys and sample documentation and transmittal forms.
5. SEAMAP Operations Plan - October 1983. A description of the SEAMAP Program, its goals and objectives, program accomplishments, survey and information systems operations, survey plans and schedule, program management, and funding requirements. Includes figures and tables detailing system functions, platform and funding needs, and information utilization.
6. 1982 SEAMAP Atlas - March 1983. A compilation of information obtained from the 1982 SEAMAP surveys. Included are quick-reports of shrimp catch rates from the shrimp/groundfish surveys, results of the ichthyoplankton surveys, environmental data taken during both surveys, and methodology used in SEAMAP surveys.
7. Proceedings of the SEAMAP 1983 Survey Gear Workshop - Spring 1983. A summary of seven technical papers and a panel discussion on shrimp/groundfish sampling gear, presented at the 33rd Annual Spring Meeting of the Gulf States Marine Fisheries Commission. Included are recommendations for standardizing and calibrating bottom trawl survey activities and for satisfying future research requirements.
8. 1984 Marine Directory - March 1984.