2012

Gulf Shrimp System (GSS) Interview Data Collection

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Interview Objective

The objective of the interview survey is to obtain as random a sample as possible of the shrimp vessel/boat trips to develop effort estimates for the Gulf of Mexico shrimp fishery.

Craft to be interviewed

Any craft (boats and vessels) engaged in the Gulf of Mexico shrimp fishery.

Target interview rates

Ideally the target interview rate is 5% of all landed trips by port and month. 5% is one trip in twenty.

Whom to Interview

The Captain is preferred. If, however, you are unable to locate the Captain, interview whoever is available that has detailed knowledge of the vessel's operation and make note of who the person is: mate, owner, dealer, etc. Information obtained when an interview is made should be listed as reported by the person interviewed and not be an interpretation by the agent.

Interview Selection

Randomness should be used in the selection process at every opportunity. For example, if the agent encounters several vessels at the dock, the agent should employ a random process to decide which vessel to interview rather than choosing the cleanest vessel or the friendliest Captain.

The information to be obtained

Landing information:

- Port. NMFS two digit port code. See port code table below.
- Dealer. The dealer code is up to 9 characters (max). Avoid alphabetic characters, but they're acceptable.

Vessel Information:

- US Coast Guard vessel ID. This is typically 6 digits but can be 7. All numeric.
- State boat registration. This is an eight (8) character alpha numeric identifier and always begins with the state prefix followed by four digits and then two letters after that. Note: Mississippi boat registrations begin with MI and not MS. The format is ST1234AA. Example: LA1234AB or AL5678YZ.

If you can get both the US Coast Guard vessel ID *and* the State boat registration, <u>PLEASE</u> DO SO.

Trip Information:

- Date unloaded / date landed. Month, Day and Year.
- Number of trips. This is the number of trips representing the landing. Typically one.
- Crew. The number of crew members on the trip.
- Gear Code. This is the gear code primarily used during the trip. See table below.
- Schedule number. Four digit, agent assigned, unique number per interview.

- Trip ticket. State issued trip ticket number (if available).
- Days fished. The actual fishing time (time the net is in the water) reported in 24-hour days that the vessel was actually fishing. For example, if a vessel fished 10 hours one day, 12 hours the next and 12 hours the third day, the number of days fished would be 1.4 (i.e., (10hr + 12hr + 12hr)/24hr = 1.4 days).

Catch Information:

- Area fished / Waterbody. This is a combination key used to look up an area in the waterbody table (see below). The area fished / waterbody is comprised of three elements:
    - The River code. Single digit numeric value from 0 – 9. (zero below)
    - The Subarea code. Sometimes called a grid code. Double digit numeric value. (eighteen below)
    - The Inoff code. Single digit numeric value from 0 – 9 (nine below)

    0189

- Fathom zone. This is a double digit numeric value, less than or equal to twelve (12) representing the depth fished. If the range reported extends into more than one depth group, the deepest depth is reported if it's not possible to prorate the catch by depths. See depth codes table below.
- Species. Single digit numeric value from 0 – 9. See species table below.
- Market size. Also called market count, this is the shrimp count per pound and is broken into two, three digit alphanumeric fields: SIZE1 and SIZE2. A 12-15 count would have a SIZE1 of 012 and a SIZE2 of 015.
- Pounds. Numeric field representing the pounds landed by species, market size, area fished, grading and condition landed from the trip.
- Price per pound. Numeric field representing the price per pound.
- Grading. Coded as average, machine or combination. See table below.
- Condition landed. Heads off = 0, Heads on = 1.

General interview Notes

The essential interview elements to be from the interview of a Captain, owner or mate are:

1. Fishing Locations
2. Catch
3. Amount of time actually fishing
4. Kind and quantity of fishing gear
5. Port and departure dates
6. Date of return

Fishing locations:

For statistical reporting and analysis, it is important to identify the fishing location by its geographic location and the depth of fishing. Fishermen usually describe fishing locations or grounds by name or area if they know the NMFS grid system. A name usually identifies the geographic area and in many instances also identifies the fishing depth. Often a vessel will have fished in two or more areas during a fishing trip. In this case, your questions need to inquire about each location and the catches and time spent at those locations.

Catch by Location:

The catch for any fishing trip may contain one or more kinds of shrimp of similar or varying sizes. Two or more kinds of shrimp and/or different sizes often indicate that fishing has occurred in more than one location. The species and sizes of shrimp which are taken in a particular location at particular times is often predictable and likewise the catch gives evidence of where fishing did not or could not occur. It is important that as much information as possible be obtained from trips with mixed and variable sized catches concerning the catch itself and the amount of fishing effort.

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Amount of Fishing Time:

Actual fishing time (**DAYS FISHED**), or time the net is in the water, is the most useful information which can be collected to determine actual fishing effort. When fishing occurs in more than one location or more than one depth zone it is important to estimate the fishing time in each area-depth as best as possible.

Kind and quantity of Fishing Gear:

Once known for a specific vessel it usually remains constant for the season and may not need to be asked in questioning for future interviews with the same vessel.

Port and date of departure:

For economic and effort analysis it is important to obtain the port and date of departure of a vessel or boat starting a trip.

Date of return:

In some instances a vessel or boat may return from a trip and may not unload for several days before unloading a catch. This information, along with the date of departure, gives a more accurate determination of a trip as well as a measure of potential lost fishing time.

Tables and Codes

PORT CODES

Stored in shrimp.port_codes

PCODE	PORT	STATE	SUBAREA	NMFS_CODE	STATE_CODE
1	Monroe	FL	3	29	11
2	Collier	FL	3	7	11
3	Lee	FL	4	23	11
4	Hillsborough	FL	5	19	11
5	Pinellas	FL	5	35	11
6	Franklin	FL	7	13	11
7	Gulf	FL	8	15	11
8	Bay	FL	8	1	11
9	Walton	FL	9	45	11
10	Santa Rosa	FL	10	37	11
11	Escambia	FL	10	11	11
12	Charlotte	FL	4	3	11
13	Levy	FL	7	25	11
14	Sarasota	FL	5	39	11
15	Manatee	FL	5	27	11
16	Citrus	FL	6	5	11
17	Wakulla	FL	7	43	11
18	Dixie County	FL	7	9	11
19	Hernando	FL	6	17	11
20	Baldwin	AL	10	1	1
21	Mobile	AL	11	3	1

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Stored in shrimp.port_codes

PCODE	PORT	STATE	SUBAREA	NMFS_CODE	STATE_CODE
28	Okaloosa County	FL	9	31	11
29	Pasco only-2009	FL	6	33	11
30	Jackson	MS	11	5	27
31	Harrison	MS	12	3	27
32	Hancock	MS	12	1	27
40	St. Tammany	LA	12	35	21
41	Tangipahoa	LA	12	37	21
42	Orleans Parish	LA	12	21	21
43	St. Bernard Parish	LA	12	25	21
44	Plaquemines Parish	LA	13	23	21
45	Jefferson Parish	LA	13	13	21
46	St. Charles Parish	LA	14	27	21
47	Lafourche Parish	LA	13	19	21
48	Terrebonne Parish W.	LA	14	39	21
49	St. Mary Parish	LA	14	33	21
50	Iberia Parish	LA	15	11	21
51	Vermillion Parish	LA	16	41	21
52	Cameron Parish E.	LA	17	9	21
53	Grand Isle Only	LA	13	13	21
54	Jefferson Davis	LA	17	15	21
55	Terrebonne Parish E.	LA	14	39	21
56	Cameron Parish W.	LA	17	9	21
57	Louisiana Interior	LA	14	66	21
58	Hancock County	LA	12	99	21
59	Harrison County	LA	12	99	21
70	Jefferson	TX	18	15	46
71	Chambers	TX	18	9	46
72	Galveston	TX	18	11	46
73	Brazoria	TX	19	3	46
74	Matagorda 86*	TX	19	19	46
75	Port Mansfield 81*	TX	21	29	46
76	Calhoun County 8389*	TX	19	5	46
77	Refugio County 89*	TX	19	25	46
78	Aransas / San Patricio	TX	21	1	46
79	Riveria 80*	TX	21	21	46
80	Nuces / Kleberg	TX	20	21	46
81	Port Isabel	TX	21	7	46
82	Brownsville	TX	21	7	46
83	Port Lavaca	TX	19	5	46
84	Harris	TX	18	13	46
85	Kemah	TX	18	11	46
86	Matagorda	TX	19	19	46
87	Palacios	TX	19	19	46
88	Port O'Connor 83*	TX	20	5	46
89	Seadrift	TX	20	5	46

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SPECIES CODES

Stored in shrimp.species_code

CODE	COMMON	CONVERSION_FACTOR	NMFS
0	Shrimp, Unclassified	1.53	7360
1	Brown Shrimp	1.61	7310
2	Pink Shrimp	1.6	7320
3	White Shrimp	1.54	7340
4	Atlantic Seabob	1.53	7338
5	Royal Red Shrimp	1.8	7330
6	Magalops Shrimp	1.78	7350
7	Brazilensis	1.6	7321
8	Rock Shrimp	1.67	7325
9	Hardback	1.76	7339

DEPTH CODES

Stored in shimp.depth_codes

DPZ	FATHOMZONE	DESCRIPTION	FATHOMS
1	1	0-10fm	00-05
1	2	0-10fm	06-10
2	3	10-30fm	11-15
2	4	10-30fm	16-20
2	5	10-30fm	21-25
2	6	10-30fm	26-30
3	7	>30fm	31-35
3	8	>30fm	36-40
3	9	>30fm	41-45
3	10	>30fm	46-50
3	11	>30fm	51-55
3	12	>30fm	56-60

GRADING CODES

Stored in shrimp.grading_type

TYPE_CODE	DESCRIPTION
1	AVERAGE
2	MACHINE
3	COMBINATION

GEAR CODES

Stored in shrimp.gss_gear_code

GSS	ALS_GEAR	DESCRIPTION
0	215	Otter Trawl Bottom, Shrimp
1	189	Butterfly Nets
2	194	Beam Trawls, Chopsticks
4	192	Beam Trawls, Shrimp
9	735	Cast Nets
5	187	Skimmer Trawl
8	989	Unspecified Gear

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SHORE CODES

Stored in shrimp.shore_type

TYPE	DESCRIPTION
1	Offshore
2	Inshore

ERROR CODES

Stored in shrimp.error_codes

ERROR_CODE	ERROR_DESCRIPTION	ERROR_SEVERITY	ERROR_COLUMN
GSS-003040	PORT_CODE IS NULL OR ZERO	HIGH	PORT
GSS-003041	PORT_CODE > 89	HIGH	PORT
GSS-003042	PORT CODE NOT NUMERIC	HIGH	PORT
GSS-003050	CG_ID INVALID / NOT IN CG DATABASE	HIGH	VESSEL
GSS-003051	CG_ID CANNOT BEGIN WITH 3,4,7,8	HIGH	VESSEL
GSS-003052	CG_ID LENGTH WHEN BEGIN WITH 1	HIGH	VESSEL
GSS-003053	CG_ID ID TOO LONG	HIGH	VESSEL
GSS-003054	VESSEL > 1999995 AND VESSEL < 9999985	HIGH	VESSEL
GSS-003055	VESSEL > 299999 AND VESSEL < 500000	HIGH	VESSEL
GSS-003056	VESSEL > 699999 AND VESSEL < 900000	HIGH	VESSEL
GSS-003057	NO VESSEL / BOAT ID PROVIDED	HIGH	VARIOUS
GSS-003058	VESSEL NOT NUMERIC	HIGH	VESSEL
GSS-003060	YEARD = 0	MEDIUM	YEARD
GSS-003061	YEARD > CURRENT YEAR	MEDIUM	YEARD
GSS-003062	YEARD < CURRENT YEAR AND NOT LAST YEAR	MEDIUM	YEARD
GSS-003063	YEARD NOT NUMERIC	MEDIUM	YEARD
GSS-003070	MONTHD = 0	MEDIUM	MONTHD
GSS-003071	MONTHD > 12	MEDIUM	MONTHD
GSS-003072	MONTHD NOT NUMERIC	MEDIUM	MONTHD
GSS-003080	DAYD = 0	MEDIUM	DAYD
GSS-003081	DAYD > 31	MEDIUM	DAYD
GSS-003082	DAYD NOT NUMERIC	MEDIUM	DAYD
GSS-003090	YEARU = 0	HIGH	YEARU
GSS-003091	YEARU > CURRENT YEAR	HIGH	YEARU
GSS-003092	YEARU < CURRENT YEAR AND NOT LAST YEAR	HIGH	YEARU
GSS-003093	YEARU NOT NUMERIC	HIGH	YEARU
GSS-003100	MONTHU = 0	HIGH	MONTHU
GSS-003101	MONTHU > 12	HIGH	MONTHU
GSS-003102	MONTHU NOT NUMERIC	HIGH	MONTHU
GSS-003110	DAYU = 0	HIGH	DAYU
GSS-003111	DAYU > 31	HIGH	DAYU
GSS-003112	DAYU NOT NUMERIC	HIGH	DAYU
GSS-003120	RIVER IS NULL	AUTOMATIC	RIVER
GSS-003121	RIVER NOT NUMERIC	HIGH	RIVER
GSS-003130	SUBAREA = 0 / NULL	HIGH	SUBAREA
GSS-003131	SUBAREA > 50	HIGH	SUBAREA
GSS-003132	SUBAREA NOT NUMERIC	HIGH	SUBAREA
GSS-003140	INOFF IS NULL	HIGH	INOFF
GSS-003141	INOFF NOT NUMERIC	HIGH	INOFF
GSS-003150	FATHOMZONE IS NULL	MEDIUM	FATHOMZONE
GSS-003151	FATHOMZONE NOT NUMERIC	MEDIUM	FATHOMZONE

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Stored in shrimp.error_codes

ERROR_CODE	ERROR_DESCRIPTION	ERROR_SEVERITY	ERROR_COLUMN
GSS-003160	DAYSFISHED IS NULL	MEDIUM	DAYSFISHED
GSS-003161	DAYSFISHED NOT NUMERIC	MEDIUM	DAYSFISHED
GSS-003170	TRIPS IS NULL	MEDIUM	TRIPS
GSS-003171	TRIPS MUST BE 1 FOR INTERVIEW RECORD	AUTOMATIC	TRIPS
GSS-003172	TRIPS NOT NUMERIC	MEDIUM	TRIPS
GSS-003180	GRADING IS NULL	MEDIUM	GRADING
GSS-003181	GRADING MUST BE 1 WHEN LANDINGTP IS 1	AUTOMATIC	GRADING
GSS-003182	GRADING NOT NUMERIC	MEDIUM	GRADING
GSS-003190	SPECIES IS NULL	HIGH	SPECIES
GSS-003191	SPECIES AND FATHOMZONE COMBINATION	MEDIUM	SPECIES
GSS-003192	SPECIES AND SUBAREA	MEDIUM	SPECIES
GSS-003193	SPECIES NOT NUMERIC	HIGH	SPECIES
GSS-003200	SIZE1 IS NULL	LOW	SIZE1
GSS-003202	SIZE1 OR SIZE2 NOT NUMERIC	AUTOMATIC	VARIOUS
GSS-003201	SIZE2 IS NULL	LOW	SIZE2
GSS-003321	TRIPTICKET IS NULL FOR TRIPTICKET RECORD	HIGH	TRIPTICKET
GSS-003210	POUNDS IS NULL	HIGH	POUNDS
GSS-003211	POUNDS IS ZERO	HIGH	POUNDS
GSS-003212	POUNDS > 500000	MEDIUM	POUNDS
GSS-003213	POUNDS NOT NUMERIC	HIGH	POUNDS
GSS-003220	VALUE IS NULL	LOW	VALUE
GSS-003221	VALUE IS ZERO	LOW	VALUE
GSS-003222	VALUE > 500000	LOW	VALUE
GSS-003223	VALUE NOT NUMERIC	LOW	VALUE
GSS-003230	PRICEPPND IS NULL	HIGH	PRICEPPND
GSS-003231	PRICEPPND IS ZERO	HIGH	PRICEPPND
GSS-003232	PRICEPPND > 1500	MEDIUM	PRICEPPND
GSS-003233	PRICEPPND NOT NUMERIC	HIGH	PRICEPPND
GSS-003240	LANDINGTP IS NULL	HIGH	LANDINGTP
GSS-003241	LANDINGTP NOT NUMERIC	HIGH	LANDINGTP
GSS-003250	RCDTYPE IS NULL	MEDIUM	RCDTYPE
GSS-003260	SCHEDULE IS NULL	HIGH	SCHEDULE
GSS-003261	SCHEDULE NOT NUMERIC	HIGH	SCHEDULE
GSS-003270	DEALER IS NULL	HIGH	DEALER
GSS-003280	DEPPORT IS NULL	LOW	DEPPORT
GSS-003281	DEPPORT NOT NUMERIC	LOW	DEPPORT
GSS-003290	GEARCODE IS NULL	MEDIUM	GEARCODE
GSS-003291	GEARCODE IS 3	MEDIUM	GEARCODE
GSS-003292	GEARCODE NOT NUMERIC	MEDIUM	GEARCODE
GSS-003300	INVALID BOATNUMB	HIGH	BOATNUMB
GSS-003310	ILLEGAL CHARACTERS IN TRIPTICKET	HIGH	TRIPTICKET
GSS-003320	TRIPTICKET IS NULL FOR TRIPTICKET RECORD	MEDIUM	TRIPTICKET
GSS-003330	TRAWLSIZE NOT NUMERIC	LOW	TRAWLSIZE
GSS-003340	NUMTRAWLS NOT NUMERIC	LOW	NUMTRAWLS
GSS-003350	YEARRETRN NOT NUMERIC	LOW	YEARRETRN
GSS-003360	MONRETURN NOT NUMERIC	LOW	MONRETURN
GSS-003370	DAYRETURN NOT NUMERIC	LOW	DAYRETURN

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Stored in shrimp.error_codes

ERROR_CODE	ERROR_DESCRIPTION	ERROR_SEVERITY	ERROR_COLUMN
GSS-003380	NIGHTEFF NOT NUMERIC	LOW	NIGHTEFF
GSS-003390	NEFBROWN NOT NUMERIC	LOW	NEFBROWN
GSS-003400	NEFPINK NOT NUMERIC	LOW	NEFPINK
GSS-003410	NEFWHITE NOT NUMERIC	LOW	NEFWHITE
GSS-003420	NEFOTHER NOT NUMERIC	LOW	NEFOTHER
GSS-003430	DAYEFFORT NOT NUMERIC	LOW	DAYEFFORT
GSS-003440	DEFBROWN NOT NUMERIC	LOW	DEFBROWN
GSS-003450	DEFPINK NOT NUMERIC	LOW	DEFPINK
GSS-003460	DEFWHITE NOT NUMERIC	LOW	DEFWHITE
GSS-003470	DEFOTHER NOT NUMERIC	LOW	DEFOTHER
GSS-003480	NIGHTDAYEF NOT NUMERIC	LOW	NIGHTDAYEF
GSS-003490	NDEFBROWN NOT NUMERIC	LOW	NDEFBROWN
GSS-003500	NDEFPINK NOT NUMERIC	LOW	NDEFPINK
GSS-003510	NDEFWHITE NOT NUMERIC	LOW	NDEFWHITE
GSS-003520	NDEFOTHER NOT NUMERIC	LOW	NDEFOTHER
GSS-003530	CREW NOT NUMERIC	LOW	CREW
GSS-003540	TEDUSAGE NOT NUMERIC	LOW	TEDUSAGE
SPEC-00001	SCHEDULE GREATER THAN ZERO FATHOMZONE EQUAL ZERO	MEDIUM	FATHOMZONE
SPEC-00002	DATE DEPARTED GREATER THAN DATE UNLOADED	MEDIUM	VARIOUS
SPEC-00003	RIVER NOT ZERO OR SEVEN	MEDIUM	RIVER
SPEC-00004	INVALID WATERBODY CODE	HIGH	VARIOUS
SPEC-00005	SPECIES FLORIDA PINK / NOT ROCK	MEDIUM	SPECIES
SPEC-00006	SPECIES ALL / TOO DEEP	MEDIUM	SPECIES
SPEC-00007	SPECIES WHITE / TOO DEEP	MEDIUM	SPECIES
SPEC-00008	SPECIES ROYAL RED / TOO SHALLOW	MEDIUM	SPECIES
SPEC-00010	INDEX KEY DUPLICATED	AUTOMATIC	VARIOUS
SPEC-00009	INDEX KEY DUPLICATED	AUTOMATIC	VARIOUS
SPEC-00011	DUP. INDEX KEY CANNOT BE GENERATED	MEDIUM	VARIOUS
DUPL-99985	DUPLICATE. DIFFER ONLY BY SIZE1	MEDIUM	SIZE1
GSS-003550	POUNDS > 150000 *OR* VALUE > 500000	HIGH	VARIOUS
DUPL-99910	DUPLICATE. DIFFER ONLY BY VESSEL	HIGH	VESSEL
DUPL-99907	DUPLICATE. DIFFER ONLY BE SHORTNAME.	HIGH	SHORTNAME
DUPL-99900	DUPLICATE. DIFFER ONLY BY FILENAME.	HIGH	SHORTNAME
DUPL-99000	DUPLICATE. CONSOLIDATED TRIPTICKET	HIGH	VARIOUS
DUPL-99905	DUPLICATE. DIFFER ONLY BY SEQUENCE	HIGH	VARIOUS
DUPL-99920	DUPLICATE. DIFFER ONLY BY YEAR.	HIGH	YEARU
DUPL-99921	DUPLICATE. DIFFER ONLY BY MONTH.	HIGH	MONTHU
DUPL-99922	DUPLICATE. DIFFER ONLY BY DAY.	HIGH	DAYU
DUPL-99930	DUPLICATE. DIFFER ONLY BY PORT.	HIGH	PORT
DUPL-99940	DUPLICATE. DIFFER ONLY BY DEALER.	HIGH	DEALER
DUPL-99950	DUPLICATE. DIFFER ONLY BY TRIPTICKET.	HIGH	TRIPTICKET
DUPL-99960	DUPLICATE. DIFFER ONLY BY SUBAREA.	HIGH	SUBAREA
DUPL-99970	DUPLICATE. DIFFER ONLY BY SPECIES.	MEDIUM	SPECIES
DUPL-99980	DUPLICATE. DIFFER ONLY BY SIZE2.	MEDIUM	SIZE2
DUPL-99990	DUPLICATE. DIFFER ONLY BY POUNDS.	MEDIUM	POUNDS

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WATERBODY CODES

Stored in shrimp.waterbody

R	SUB	NOF	DESCRIPTION	RCODE	SHORE_CODE
0	0	0	Uncoded water body	0	1
5	0	0	Gulf of Mexico	5000	1
0	1	0	The area south of Highway US 1 bordered by 81 00 W - 82 00 W Longitude	10	1
0	1	1	The area covering from 25 00 N Lat then south to Highway US 1,	11	1
0	1	8	Federal Waters, Grid 1 - Key West, North of US 1	18	1
0	1	9	Key West, Federal Waters	19	1
9	1	9	Federal Waters, Gulf or Atlantic, Grid 1 - Key West	9019	1
0	2	0	The area covering from 25 00 N Lat south through the Dry Tortug	20	1
0	2	1	A subarea of water body 002.0 which will only be utilized in th	21	1
0	2	8	Tortugas, Federal Waters - Gulf	28	1
0	2	9	Tortugas, Federal Waters - Atlantic	29	1
9	2	9	Federal Waters, Gulf or Atlantic, Grid 2 - Tortugas	9029	1
0	3	0	Everglades, offshore	30	1
0	3	1	Everglades, Rookery	31	2
0	3	2	Everglades, Whitewater Bay	32	2
0	3	9	Everglades, Federal Waters	39	1
9	3	1	Turner River	9031	2
0	4	0	Ft. Myers, offshore	40	1
0	4	1	Charlotte Harbor	41	2
0	4	2	Lemon bay	42	2
0	4	3	Pine Island Sound and San Carlos Bay	43	2
0	4	4	Fort Myers, Estero Bay	44	2
0	4	5	For Myers, Rookery Bay	45	2
0	4	6	Other Inland Waters, Grid 4 - Fort Myers Area	46	2
0	4	8	Lake Okeechobee	48	2
0	4	9	Fort Myers, Federal Waters	49	1
9	4	1	Caloosahatchee River	9041	2
9	4	2	Peace River	9042	2
0	5	0	Tampa, offshore	50	1
0	5	1	Tampa Bay	51	2
0	5	2	Tampa, St. Josephs Sound	52	2
0	5	3	Other Inland Waters, Grid 5 - Tampa Area	53	2
0	5	4	Anna Maria Sound	54	2
0	5	5	Other Inland Waters, Grid 5 - Tampa Area	55	2
0	5	6	Clearwater Bay	56	2
0	5	9	Tampa, Federal Waters	59	1
9	5	1	Hillsboro River	9051	2
9	5	2	Manatee River	9052	2
0	6	0	Crystal River - Tarpon Springs	60	1
0	6	1	Crystal River	61	2
0	6	2	Other Inland Waters, Grid 6 - Crystal River - Tarpon Springs	62	2
0	6	9	Crystal River - Tarpon Springs, Federal	69	1
9	6	1	Anclote River	9061	2

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R	SUB	NOF	DESCRIPTION	RCODE	SHORE_CODE
0	7	0	Apalachee Bay, offshore	70	1
0	7	1	Apalachicola Bay	71	2
0	7	2	St. George Sound	72	2
0	7	3	Other Inland Waters, Grid 7 - Apalachee Bay Area	73	2
0	7	4	Suwanee Sound	74	2
0	7	5	Waccasassa Bay	75	2
0	7	6	Withlacoochee Bay	76	2
0	7	8	Ochlockonee Bay	78	2
0	7	9	Apalachee Bay, Federal Waters	79	2
9	7	1	Apalachicola River	9071	2
9	7	2	Steinhatchee River	9072	2
9	7	3	Suwanee River or Sound	9073	2
9	7	4	Ochlockonee River	9074	2
9	7	6	Withlacoochee River	9076	2
0	8	0	Panama City, offshore	80	1
0	8	1	St. Andrews Bay	81	2
0	8	2	West Bay	82	2
0	8	3	West Bay / North Bay	83	2
0	8	9	Panama City, Federal Waters	89	1
0	9	0	Desten, offshore	90	1
9	9	1	Choctawatchee Bay	9091	2
9	9	2	Escambia Bay	9092	2
0	9	3	East Bay	93	2
0	9	4	Santa Rosa Sound	94	2
0	9	9	Destin, Federal Waters	99	1
0	9	1	Choctawatchee River	91	2
0	9	2	Escambia River	92	2
0	10	0	Pensacola, offshore	100	1
0	10	1	Pensacola Bay	101	2
0	10	2	Lower Mobile Bay	102	2
0	10	3	Perdido Bay	103	2
0	10	4	Bon Secour Bay	104	2
0	10	5	Little Lagoon	105	2
0	10	6	Upper Mobile Bay	106	2
0	10	9	Pensacola , Federal Waters	109	1
9	10	1	Mobile River	9101	2
9	10	2	Tensaw River	9102	2
9	10	3	Alabama - Tombigee River System	9103	2
0	11	0	Offshore waters, grid 11.	110	1
0	11	1	Mississippi Sound (Mobile Bay to Gulf Port Ship Channel)	111	2
0	11	2	Mississippi Sound - Alabama state waters	112	2
0	11	3	Mississippi Sound - Mississippi state waters	113	2
0	11	4	Saint Louis Bay	114	2
0	11	6	Garden Island Bay	116	2
0	11	9	Alamba-Missippi Federal Waters	119	1

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R	SUB	NOF	DESCRIPTION	RCODE	SHORE_CODE
0	12	0	Outside waters below Brenton Island Sound to the South Pass of t	120	1
0	12	1	Lake Borgne and Lake Pontchartrain	121	2
0	12	2	Brenton and Chandeleur sounds and adjacent Marsh areas	122	2
0	12	3	Garden Island Bay	123	2
0	12	4	Brenton Sound	124	2
0	12	5	Chandeleur Sound	125	2
0	12	6	Garden Island Bay	126	2
0	12	9	East Louisiana - Federal Waters	129	1
1	12	1	Lake Borgne	1121	2
1	12	2	Chandeleur sound	1122	2
2	12	1	Lake Pontchartrain	2121	2
2	12	2	Brenton Sound	2122	2
3	12	1	Inshore area between Lake Borgne and Lake Pontchartrain, from t	3121	2
3	12	2	Inshore south of Mississippi Sound and west of Chandeleur Sound	3122	2
4	12	1	Inshore area south of Lake Borgne to Bayou La Loutre and Bayou	4121	2
4	12	2	Inshore area west of Brenton Sound, between Bayou La Loutre to B	4122	2
5	12	2	Inside waters of Brenton Sound from Black Bay to Quarantine Bay,	5122	2
6	12	2	Inside waters from Grand Bay to Garden Island Bay, and inshore	6122	2
9	12	1	Lake Maurepas	9121	2
9	12	2	Pearl River	9122	2
9	12	3	Amite River	9123	2
0	13	0	Offshore waters, grid 13	130	1
0	13	1	Inside water from the Mississippi River to Bayou Lafourche	131	2
0	13	2	East Bay	132	2
0	13	3	West Bay	133	2
0	13	4	Bastian Bay and Adam Bay	134	2
0	13	5	Lake Washington	135	2
0	13	6	Barataria Bay	136	2
0	13	7	Little Lake	137	2
0	13	8	Lake Salvador and Lake Cataoutche	138	2
0	13	9	Camindada Bay	139	1
9	13	1	Mississippi River	9131	2
9	13	2	Intercostal Waterway	9132	2
0	14	0	Offshore, grid 14	140	1
0	14	1	Inside waters from Bayou Lafourche to the Atchafalaya River	141	2
0	14	2	Bayou Lafourche	142	2
0	14	9	Caillou Lake	149	1
1	14	1	Lower Timbalier Bay	1141	2
1	14	2	Lower Terrebonne Bay	1142	2
1	14	3	Lake Pelto	1143	2
1	14	4	Pelican Lake and Bay Round	1144	2
1	14	5	Caillou Bay	1145	2
2	14	1	Upper Timbalier Bay	2141	2
2	14	2	Upper Terrebonne Bay	2142	2

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R	SUB	NOF	DESCRIPTION	RCODE	SHORE_CODE
2	14	3	Lower marsh area above Lake Pelto	2143	2
2	14	4	Passes from Caillou Bay to Caillou Lake	2144	2
2	14	5	King Lake, Bay Voisin, and passes to Caillou Bay	2145	2
3	14	1	Little Lake	3141	2
3	14	2	Lake Raccourci	3142	2
3	14	3	Lake Felicity	3143	2
3	14	4	Lake Barre	3144	2
3	14	5	Upper Marsh area above Lake Pelto	3145	2
3	14	6	Calillou Lake	3146	2
3	14	7	Lake Merchant	3147	2
3	14	8	Bay Junop	3148	2
3	14	9	Four League Bay	3149	2
4	14	1	Lake Chien and Lake Tambour	4141	2
4	14	2	Lake Bourdeaux	4142	2
4	14	3	Lake De Cade	4143	2
4	14	4	Lost Lake (Changed to 015.4)	4144	2
8	14	1	Pass between Timbalier Island and East Timbalier Island	8141	2
8	14	2	Cat Island Pass and Wine Island Pass	8142	2
9	14	1	Pass between Timbalier Island and East Timbalier Island	9141	2
9	14	2	Cat Island Pass and Wine Island Pass	9142	2
0	15	0	Offshore waters, grid 15	150	1
0	15	1	inside waters from the Atchafalaya River to Tigre Point	151	2
0	15	2	Bay Junop	152	2
0	15	3	Four League Bay	153	2
0	15	4	Lost Lake	154	2
0	15	9	South Louisiana - Federal Waters	159	1
9	15	0	Local Swamps (Unclassified Inland Waters)	9150	2
9	15	1	Atchafalaya River	9151	2
9	15	2	Bayou Pigeon	9152	2
9	15	3	Bayou Sorrell	9153	2
9	15	4	Bayou Teche	9154	2
9	15	5	Grand Lake (Iberia and St. Mary Parish)	9155	2
9	15	6	Lake Verret	9156	2
9	15	7	Local Swamps	9157	2
0	16	0	Offshore waters, grid 16	160	1
0	16	1	Inside waters from Tigre Point to Louisiana Point	161	2
0	16	2	White Lake (in Vermilion Parish, Louisiana)	162	2
0	16	3	Grand Lake (Cameron Parish)	163	2
0	16	9	West Louisiana - Federal Waters	169	1
9	16	1	Grand Lake (in Cameron Parish, Louisiana)	9161	2
9	16	2	White Lake	9162	2
0	17	0	Offshore waters, grid 17	170	1
0	17	1	Calcasieu Lake (in Cameron Parish, Louisiana)	171	2

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R	SUB	NOF	DESCRIPTION	RCODE	SHORE_CODE
0	17	2	Sabine Lake	172	2
0	17	3	Inside waters, grid 17	173	2
0	17	9	Louisiana-Texas Federal Waters	179	1
7	17	0	Fl East 21-32N, 81-82W	7170	1
0	18	0	Galveston	180	1
0	18	1	Galveston Bay System	181	2
0	18	9	Subarea 18.0 from Alabama Ports	189	1
1	18	1	Offat Bayou and Channel to South tip of North Deer Island	1181	2
1	18	2	Jones Lake	1182	2
1	18	3	Carancahua Reef to North Deer Island	1183	2
1	18	4	Bay Harbor to Carancahua Reef	1184	2
1	18	5	Mud Island to Bay Harbor	1185	2
1	18	6	Chocolate Bay	1186	2
1	18	7	Bastrop Bay	1187	2
1	18	8	Christmas Bay	1188	2
1	18	9	West Bay - Unclassified Waters	1189	2
2	18	1	Cedar Point South to Smith Point: East to Lone Oak Bayou - Nor	2181	2
2	18	2	Umbrella Point South to Lone Oak Bayou: East to Black Point -	2182	2
2	18	3	All waters east of a line from HL&P discharge canal south to Bl	2183	2
2	18	9	Trinity Bay - Unclassified waters	2189	2
3	18	1	Clear Lake Channel - South to Eagle Point: East to Houston Shi	3181	2
3	18	2	Bayport Channel - South to Clear Lake Channel: East to Marker	3182	2
3	18	3	All waters north of a line from Bayport Channel east to Lost Re	3183	2
3	18	4	All waters south of a line from Bayport Channel to Lost Reef -	3184	2
3	18	9	Upper Galveston Bay - Unclassified Waters	3189	2
4	18	1	Smith Point southward to Intracostal Canal at Robins Marina:	4181	2
4	18	2	Waters east of the line from Sun Oil Channel to the south to Ro	4182	2
4	18	9	East Bay - Unclassified Waters	4189	2
5	18	1	All waters laying between the Texsas City Dike - South to US 75 C	5181	2
5	18	2	Dollar Point east to Houston Ship Channel Marker 29: South to	5182	2
5	18	3	Eagle Point east to the southern tip of Redfish Island - South	5183	2
5	18	4	Southeast tip of Redfish Island East to Smith Point: South	5184	2
5	18	5	Intracostal Canal, east of Pelican Island, south to Galveston	5185	2
5	18	9	Lower Galveston bay - Unclassified waters	5189	2
9	18	9	Cow Trap Lake	9189	2
0	19	0	Freeport Port - Aransas	190	1
0	19	1	Matagorda bay	191	2
0	19	2	San Antonio Bay	192	2
0	19	3	Aransas Bay	193	2
0	19	8	Copano Bay	198	2
0	19	9	USED TO BE ICW, NOW OFFSHORE FROM ALABAMA PORTS	199	1
1	19	1	East Matagorda Bay - All waters east of the Colorado River	1191	2
1	19	2	From and including the Colorado River west to a line from Palac	1192	2
1	19	3	From southern shoreline of Caracahua Pass outward to the north	1193	2

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R	SUB	NOF	DESCRIPTION	RCODE	SHORE_CODE
1	19	4	From Sand Point westward to Indian Point (mouth of Lavaca Bay)	1194	2
1	19	5	Lavaca and Keller Bays	1195	2
1	19	9	Matagorda Bay - Unclassified waters	1199	2
2	19	1	San Antonio Bay north of Intracostal Canal	2191	2
2	19	2	San Antonio Bay south of Intracostal Canal	2192	2
2	19	3	Espiritu Santo Bay	2193	2
2	19	4	Mesquite Bay	2194	2
2	19	9	San Antonio Bay - Unclassified waters	2199	2
3	19	1	Aransas Bay north of Intracostal Canal includes St. Charles a	3191	2
3	19	2	Aransas Bay south of Intracostal Canal to and including Lydia	3192	2
3	19	3	Redfish Bay east of Aransas Channel	3193	2
3	19	9	Aransas Bay - Unclassified waters	3199	2
9	19	1	Gaudalupe River	9191	2
9	19	2	Green Lake	9192	2
9	19	3	Lavaca River	9193	2
9	19	4	Keller Bay	9194	2
9	19	5	Oyster Creek	9195	2
9	19	9	Texas Grid 19 Unknown	9199	1
0	20	0	Corpus Christi	200	1
0	20	1	Corpus Christi Bay	201	2
0	20	2	Upper Laguna Madre	202	2
0	20	9	Corpus Christi - Federal Waters	209	1
1	20	2	Nueces Bay	1202	2
1	20	4	Baffin Bay	1204	2
0	21	0	Brownsville, offshore	210	1
0	21	1	Lower Laguna	211	2
0	21	9	South Padre Island - Federal Waters	219	1
0	22	0	Mexico - Grid 22	220	1
0	23	0	Mexico - Grid 23	230	1
0	24	0	Mexico - Grid 24	240	1
7	24	0	Fl East 30-31N, 79-80W	7240	1
0	25	0	Mexico - Grid 25	250	1
0	26	0	Mexico - Grid 26	260	1
0	27	0	Mexico - Grid 27	270	1
0	28	0	Mexico - Grid 28	280	1
0	29	0	Mexico - Grid 29	290	1
0	30	0	Mexico - Grid 30	300	1
0	31	0	Mexico - Grid 31	310	1
0	32	0	Mexico - Grid 32	320	1
7	32	0	Fl East 28-29N, 80-81W	7320	1
0	33	0	Mexico - Grid 33	330	1
0	34	0	Mexico - Grid 34	340	1
0	35	0	Mexico - Grid 35	350	1
0	36	0	Mexico - Grid 36 Campeche Banks	360	1

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R	SUB	NOF	DESCRIPTION	RCODE	SHORE_CODE
7	36	0	Fl East 27-28N, 80-81W	7360	1
0	37	0	Mexico - Grid 37 Campeche Banks	370	1
0	38	0	Mexico - Grid 38 Campeche Banks	380	1
0	39	0	Mexico - Grid 29 Campeche Banks	390	1
0	40	0	Mexico - Grid 40 Campeche Banks	400	1
0	41	0	Mexico - Grid 41	410	1
0	42	0	Mexico - Grid 42	420	1
0	43	0	Mexico - Grid 43	430	1
0	44	0	Belize - Grid 44	440	1
7	44	0	The offshore area eastward from the fringing islands from 25 00	7440	1
7	44	1	The area of Florida Bay North of 25 00 N and east of 81 00 W lo	7441	1
7	44	2	The bay (inshore) areas including Biscayne Bay, Card Sound and	7442	1
0	45	0	Belize - Grid 45	450	1
0	46	0	Honduras - Grid 46	460	1
0	47	0	Honduras - Grid 47	470	1
0	48	0	Honduras - Grid 48	480	1
7	48	0	Fl East 24-25N, 80-81W	7480	1
7	48	1	The area of Florida Bay from 25 00 N Lat then south to Highway	7481	1
0	49	0	Honduras - Grid 49	490	1
0	50	0	Honduras - Grid 50	500	1
0	51	0	Nicaragua - Grid 51	510	1
0	52	0	Nicaragua - Grid 52	520	1
0	53	0	Nicaragua - Grid 53	530	1
0	54	0	Nicaragua - Grid 54	540	1
0	55	0	Nicaragua - Grid 55	550	1
0	56	0	Nicaragua - Grid 56	560	1
0	57	0	Mexican	570	1
0	58	0	Panama - Grid 58	580	1
0	60	0	South American Waters	600	1
1	86	0	Bahamas	1860	1
1	86	3	Haiti	1863	1
1	86	6	Puerto Rico	1866	1
1	86	9	Puerto Rico and Carribean	1869	1
7	99	4	Atlantic & Gulf	7994	1
9	99	9	Uncoded water body	9999	1
0	2	2	TORTUGAS, SOUTH ATLANTIC STATE WATERS	22	2
0	19	6	*UNKNOWN*	196	1
7	2	9	NORTH CAROLINA FEDERAL WATERS	7029	1
7	28	9	ST. AUGUSTINE FEDERAL WATERS	7289	1
2	11	0	*UNKNOWN*	2110	1

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R	SUB	NOF	DESCRIPTION	RCODE	SHORE_CODE
7	32	9	CAPE CANAVERAL, FEDERAL WATERS	7329	1
7	24	9	*UNKNOWN*	7249	1
7	48	9	MARATHON, FEDERAL WATERS	7489	1
7	44	4	BISCAYNE BAY NP (INSIDE)	7444	2
9	16	0	*UNKNOWN*	9160	1
7	23	9	*UNKNOWN*	7239	1
7	44	6	CARD SOUND	7446	2
0	19	4	*UNKNOWN*	194	1
7	44	5	BISCAYNE BAYNP (OUTSIDE)	7445	1
9	13	9	*UNKNOWN*	9139	1
0	19	5	Lavaca Bay	195	2

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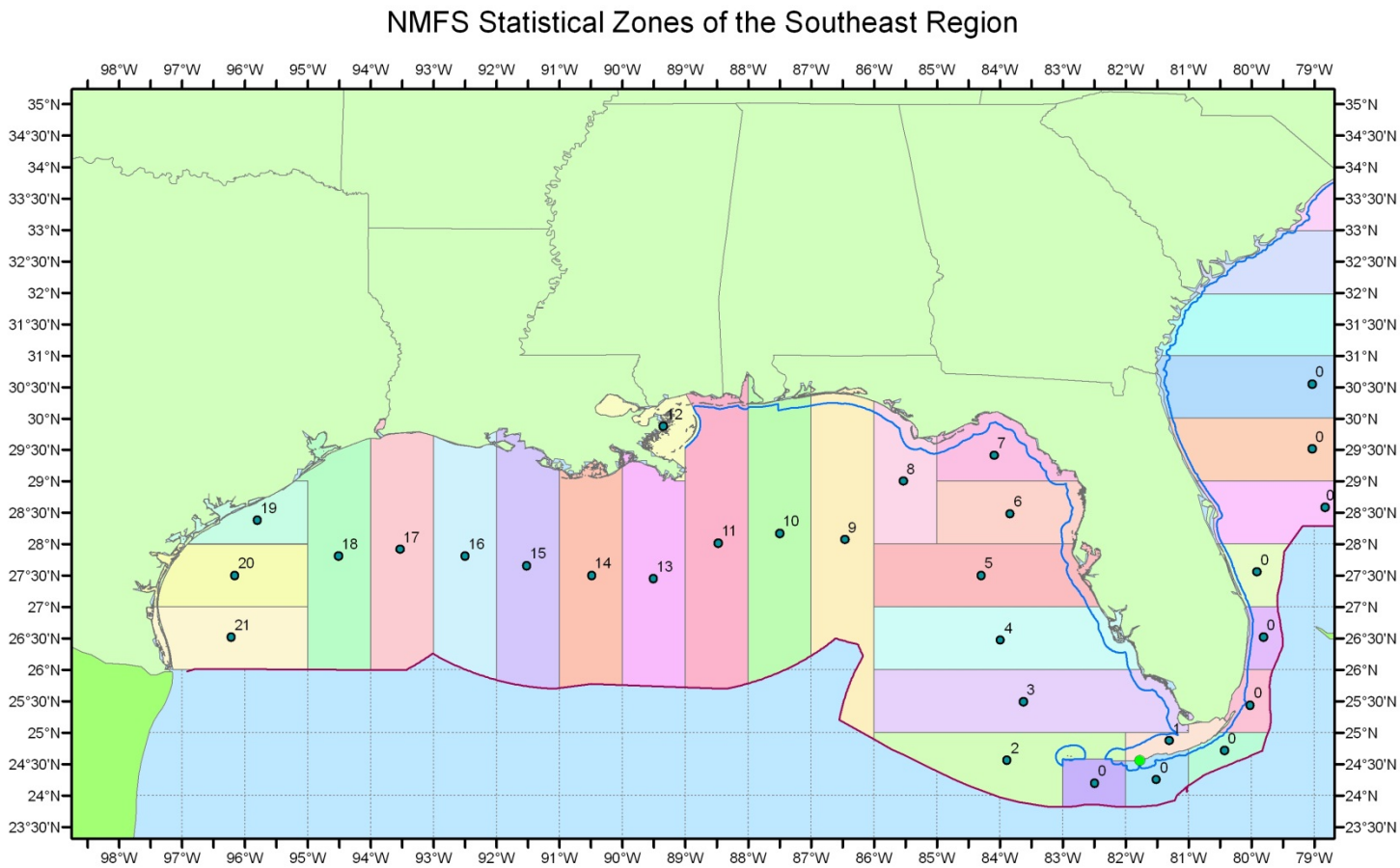
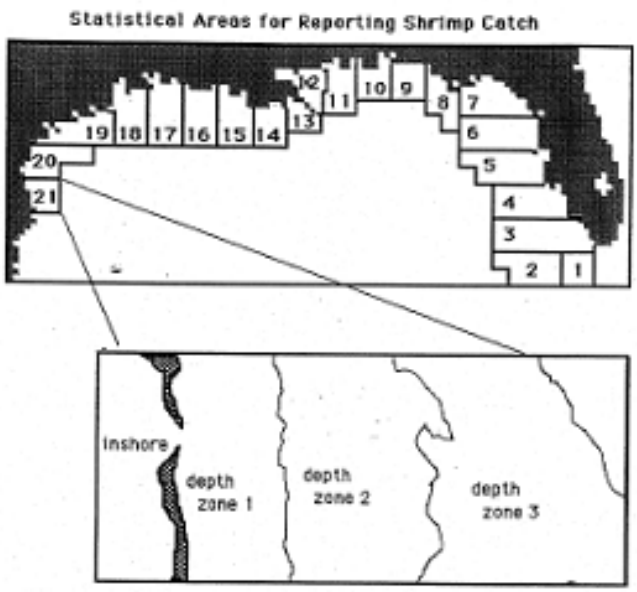
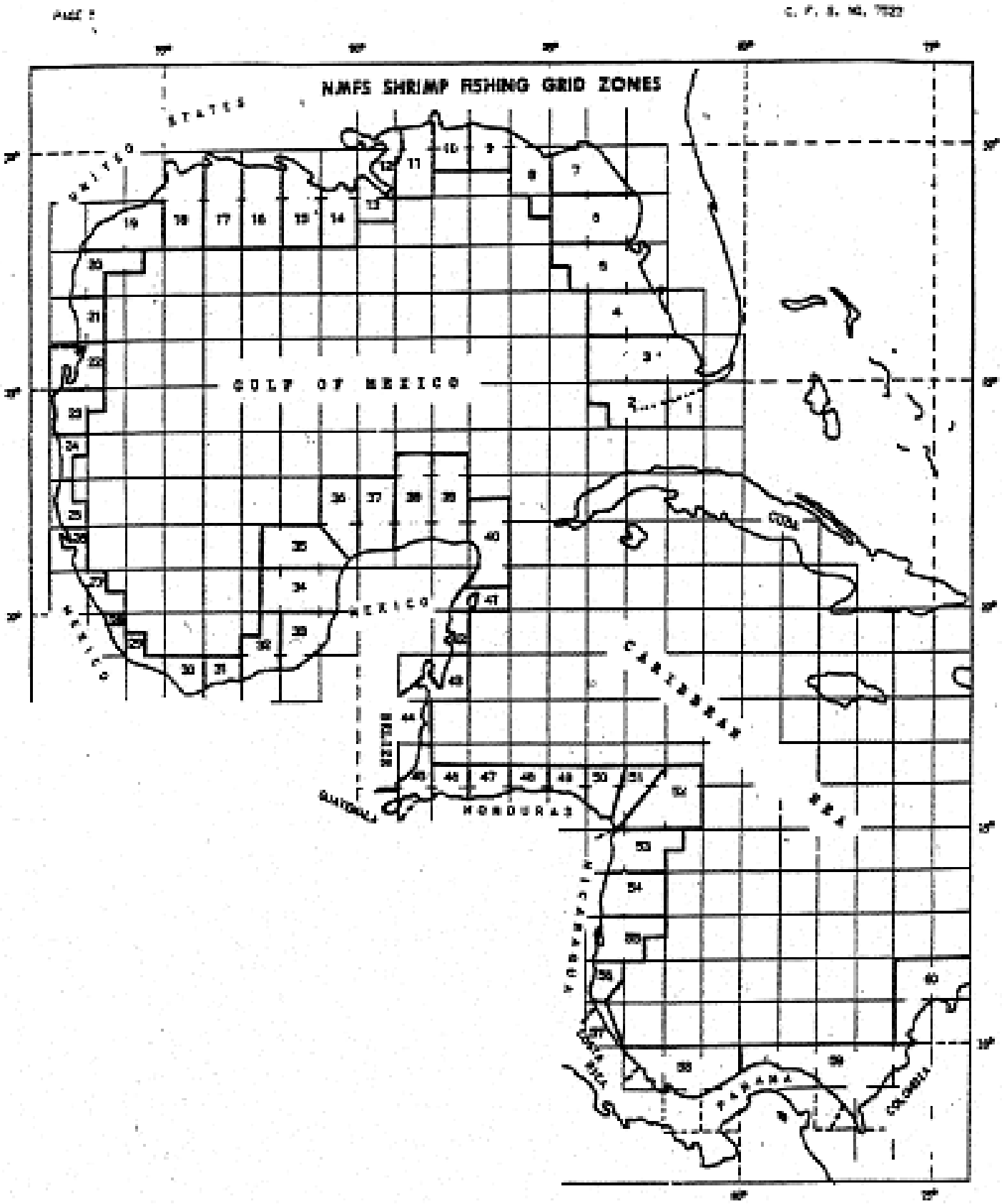
Subarea Map(s)



Statistical Area Map with depth zones




NMFS SHRIMP FISHING GRID ZONES
GULF OF MEXICO
CARIBBEAN SEA
HONDURAS