

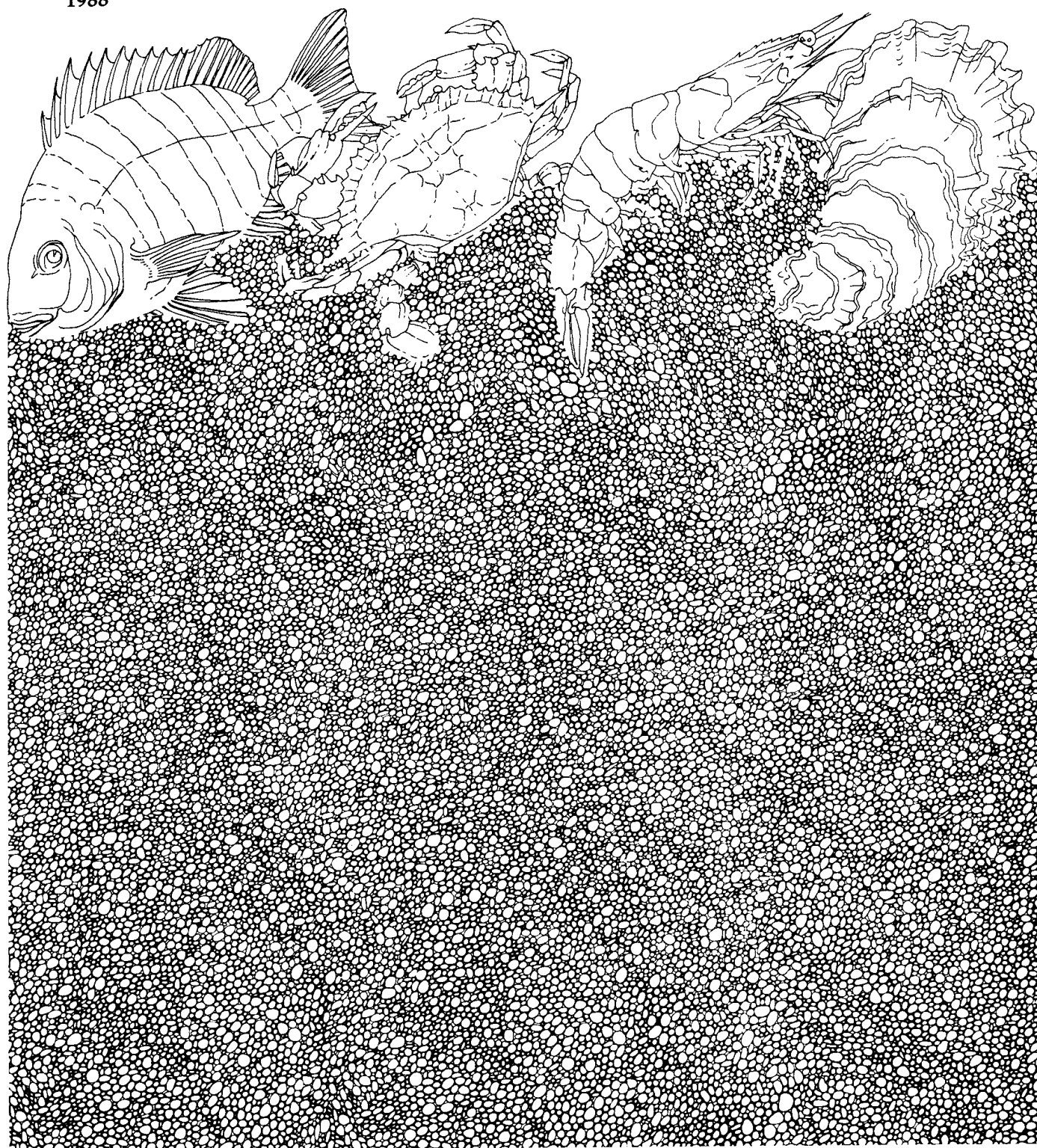
Paul Hammerschmidt

Trends In Relative Abundance And Size Of Selected Finfishes In Texas Bays: November 1975 - December 1987

by James A. Dailey, Paul C. Hammerschmidt and Lawrence W. McEachron

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Texas Parks and Wildlife Department
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ABSTRACT

Trends in relative abundance and size of red drum (Sciaenops ocellatus), spotted seatrout (Cynoscion nebulosus), black drum (Pogonias cromis), sheepshead (Archosargus probatocephalus), southern flounder (Paralichthys lethostigma), Atlantic croaker (Micropogonias undulatus), sand seatrout (C. arenarius), gafftopsail catfish (Bagre marinus), Gulf menhaden (Brevoortia patronus), hardhead catfish (Arius felis), pinfish (Lagodon rhomboides), spot (Leiostomus xanthurus), and striped mullet (Mugil cephalus) have been monitored since 1975 using a standardized fishery independent gill net and bag seine sampling program in Texas bay systems. Reduced population levels of red drum, spotted seatrout, and black drum following a freeze during 1983-1984 were observed in the 1984 and 1985 spring gill net catch rates and in the annual (1984) bag seine catches. Fall and spring 1987 gill net catch rates for red drum decreased, spotted seatrout remained the same, and black drum fall catch rates decreased while spring rates increased over 1986. The 1987 annual bag seine catch rates, however, increased for all three species. The 1987 data continue to show that the impacts of management decisions based on optimum sustained yield, effects of catastrophic events, and stock recruitment relationships can be measured by using estimates of relative abundance based on the fishery independent monitoring program.

INTRODUCTION

Fisheries management has become more complicated because of increased numbers of commercial and recreational fishermen, and the fact that many of the most sought species are overfished. Commercial and recreational fishermen in the United States have increased fishing pressure on marine finfish stocks in recent years. Marine landings of finfishes by commercial fishermen increased from 2.04 billion kg in 1955 to 2.95 billion kg in 1980 (Anderson and Power 1957, United States Department of Commerce 1982). The number of recreational saltwater anglers tripled during the same period (United States Department of Interior 1956, United States Department of Interior and United States Department of Commerce 1982).

The Texas Parks and Wildlife Department (TPWD) initiated a standardized fishery independent monitoring program in 1975 using gill nets and in 1977 using bag seines to assess the relative abundance and size of finfishes in Texas bays (Hegen 1983). Gill net sets during spring (15 April-15 June) and fall (15 September-15 November), and monthly bag seine samples provide a statistically consistent and cost efficient method for obtaining information on adult, sub-adult, and juvenile finfish populations (Hegen 1983, Hegen et al. 1983, Matlock et al. 1978, Matlock 1982, Matlock et al. 1982, McEachron and Green 1986a). In the fall of 1981, the TPWD increased the number of gill net samples collected during periods of consistently high catch rates (spring and fall) to provide more precise estimates of annual abundance for each bay within the available TPWD budget (Hegen et al. 1983). Gill net and bag seine data are used to determine relative abundance and size to allocate and regulate the harvest.

The objectives of this study were to:

1. determine species composition, size and relative abundance of selected finfishes in the coastal bay systems of Texas.
2. publish the results in a report which will assist resource managers to effectively manage selected finfishes.

Differences in the gill net and bag seine statistics in this report compared to previous versions are due to updating the data base and this report should be considered the most accurate to date.

MATERIALS AND METHODS

Monofilament gill nets (183 m long; 1.2 m deep with separate 45.7-m sections of 7.6-, 10.2-, 12.7- and 15.2-cm stretched mesh tied together in ascending mesh size) were used in nine Texas bay systems during November 1975 through December 1987; Sabine Lake was incorporated April 1986 (Figures 1-9). Bag seines (18.3 m long; 1.8 m deep with 1.3-cm stretched nylon multifilament mesh in the 1.8 m wide central bag with remaining webbing 1.9-cm stretched mesh) were used in these bays during October 1977 through December 1987; East Matagorda Bay was added February 1983 and Sabine Lake January 1986. Prior to September 1984, sites for setting gill nets during spring (15 April-15 June)

and fall (15 September-15 November) and for sampling with bag seines (monthly) were randomly selected from approximately 100 stations in each bay system (McEachron and Green 1985). Beginning September 1984, gill net and bag seine sites were randomly selected from bay grids (1 minute longitude by 1 minute latitude) that contained ≥ 15.2 m of shoreline. Each selected grid was subdivided into 144 5-second "gridlets". All "gridlets" that contained shoreline were used to randomly choose sample sites.

Prior to fall 1981, no less than eight nor more than 16 overnight gill net sets occurred in each season in each bay system. Since fall 1981, 45 gill nets were set overnight during each season in each bay system except East Matagorda Bay. In East Matagorda Bay, eight sets were made in each season. Not less than three nor more than seven gill nets were set each week during each season except in East Matagorda Bay. No more than nine stations were duplicated each season. Prior to September 1984, two gill nets were set in East Matagorda Bay during the first and last two fullest weeks of each month. Beginning in fall 1984, two gill nets were set in East Matagorda Bay during each week of the fall and spring seasons. Gill nets were set perpendicular to shore with the smallest mesh shoreward; they were set within 1 h before sunset and were retrieved within 4 h after the following sunrise. Total fishing time was recorded to the nearest 0.1 h. Each sampling week extended from 1 h before sunset on Sunday through 4 h after sunrise the following Sunday.

Prior to October 1981, six bag seine samples were collected each month in each bay system. Since October 1981, 10 bag seine samples were collected each month in each bay system. Prior to September 1984, half of the samples were collected during the first and last two fullest weeks of each month (McEachron and Green 1985). After September 1984, five stations were sampled during the 1st-15th and during the 16th-31st of each month. No station was duplicated in a month. Bag seines were pulled parallel to shore for a distance of 15.2-30.5 m prior to September 1984. Beginning September 1984, all bag seines were pulled 15.2 m. The rectangular surface area sampled (nearest 0.01 ha) was estimated using the distance pulled and the length of extension of the bag seine. Each sampling week extended from sunrise Monday through sunset of the following Sunday, but collections were made during daylight hours only.

Catch rates for red drum (*Sciaenops ocellatus*), spotted seatrout (*Cynoscion nebulosus*), black drum (*Pogonias cromis*), sheepshead (*Archosargus probatocephalus*), southern flounder (*Paralichthys lethostigma*), Atlantic croaker (*Micropogonias undulatus*), sand seatrout (*C. arenarius*), gafftopsail catfish (*Bagre marinus*), Gulf menhaden (*Brevoortia patronus*), hardhead catfish (*Arius felis*), pinfish (*Lagodon rhomboides*), spot (*Leiostomus xanthurus*), striped mullet (*Mugil cephalus*), "other finfishes", and "total finfishes" were calculated by dividing the total number of fish caught by the total hours fished (gill net) or ha sampled (bag seine) from all samples in a season (gill net) or month (bag seine) for each bay system. Fishes greater than 204 mm long were eliminated from bag seine catch rate calculations based on the findings of McEachron and Green (1986b). Coastwide catch rates were weighted by the length of each bay system's shoreline (Matlock and Ferguson 1982). Annual bag seine catch rates were calculated from monthly means (unweighted by sample size).

Total lengths (nearest 1 mm) of fishes caught in gill nets were obtained for the first 19 individuals of each species caught in each mesh size each week in each bay system during seasonal sampling. Mean fish lengths in gill nets were calculated for each of the four mesh sizes in each sample. Mean lengths for the combined meshes were calculated by weighting the mean lengths in each mesh by the proportion of fish caught in each mesh. Total lengths of fishes caught in bag seines were obtained from a random sample of no more than 19 individuals of each species in each sample. Lengths of fishes greater than 204 mm were eliminated from bag seine mean length calculations based on the findings of McEachron and Green (1986b). Coastwide lengths were weighted according to the catch rate in each bay system.

Surface salinity, water temperature, dissolved oxygen, and turbidity were measured at the set and pickup for each gill net and prior to each bag seine sample. Beginning January 1987 turbidity values were measured in Nephelometric Units (NTU) instead of Jackson Turbidity Units (JTU). Means for these parameters were calculated for each season (gill net) and for each month (bag seine).

RESULTS

Gill Net

The highest fall coastwide catch rates for red drum (1.0/h) occurred in 1979; the lowest catch rate (0.5/h) occurred in 1982 and 1983 (Table 1). All other fall catch rates varied from 0.6-0.9/h. Generally, fall catch rates from the upper Laguna Madre (0.2-0.7/h) have been consistently lower than for any other bay system.

The highest spring coastwide red drum catch rate (0.8/h) occurred in 1980 and 1986 (Table 2). The lowest catch rates occurred in 1977-1979 (0.3/h). Catch rates in all other years ranged from 0.4-0.7/h. Catch rates within each bay system ranged from <.1/h to 1.4/h.

The highest fall coastwide spotted seatrout catch rate (0.7/h) occurred in 1976 (Table 1). The catch rate in 1975 was 0.6/h. All other catch rates since 1977 have ranged from 0.2-0.4/h. Fall catch rates within each bay system ranged from 0.1-2.4/h.

Spring coastwide spotted seatrout catch rates were highest (1.1/h) in 1976 (Table 2). Catch rates declined through 1979 to 0.3/h. They increased through 1982 to 0.9/h; catch rates then declined to 0.3/h in 1984, and increased in 1986 and 1987 to 0.7/h. Catch rates in the lower Laguna Madre (0.6-3.4/h) were generally higher than in any other bay system.

The highest fall coastwide black drum catch rate (1.0/h) occurred in 1982 (Table 1). The lowest catch rate (0.3/h) occurred in 1979 and 1984. Catch rates in all other years ranged from 0.4-0.9/h. Lower Laguna Madre catch rates (0.4-2.4/h) were generally higher than in any other bay system.

Spring coastwide black drum catch rates were highest (1.0/h) in 1983 (Table 2). They were lowest (0.3/h) in 1978. Catch rates ranged from 0.4 to 0.7/h in all other years. Catch rates within each bay system have ranged from <.1-2.7/h.

Fall and spring coastwide sheepshead catch rates were $\leq 0.3/h$ each year (Tables 1 and 2). Catch rates within each bay system ranged from <.1-1.1/h and from 0.0-0.6/h during fall and spring, respectively.

Fall and spring coastwide southern flounder catch rates were $\leq 0.2/h$ during all years (Tables 1 and 2). Catch rates within each bay system were $\leq 0.2/h$ except for East Matagorda Bay during fall 1976 (0.5/h) and fall 1980 and 1982 (0.3/h).

The highest fall coastwide Atlantic croaker catch rate (0.4/h) occurred in each of 1982, 1983, 1986 and 1987 (Table 1). Catch rates in all other years ranged from 0.1-0.3/h. The Corpus Christi Bay system generally had the highest catch rates (0.4-1.7/h).

The highest spring coastwide Atlantic croaker catch rate (0.3/h) occurred in 1976; catch rates were $\leq 0.2/h$ in all other years (Table 2). Catch rates within each bay system ranged from 0.0-1.0/h.

Fall and spring coastwide sand seatrout catch rates were $\leq 0.1/h$ during all years (Tables 1 and 2). Catch rates within each bay system ranged from 0.0-0.3/h.

Fall coastwide gafftopsail catfish catch rates were $\leq 0.1/h$ in all years (Table 1). The San Antonio Bay system generally had the highest catch rates (<.1-0.4/h).

The highest spring coastwide gafftopsail catfish catch rates of 1.8 and 1.0/h occurred in 1976 and 1977, respectively; they were $\leq 0.5/h$ in all other years (Table 2). Catch rates (0.0-3.3/h) in the Matagorda, San Antonio, and Aransas Bay systems were generally higher than in the other bay systems.

Fall coastwide Gulf menhaden catch rates were highest in 1976 (0.8/h) and 1977 (1.0/h); they were $\leq 0.5/h$ in all other years (Table 1). Catch rates in the Galveston and Corpus Christi Bay systems were generally higher (0.1-3.0/h) than in any other bay system.

The highest coastwide spring Gulf menhaden catch rate occurred in 1977 (0.9/h); catch rates were $\leq 0.5/h$ in all other years (Table 2). The Galveston Bay system catch rates were generally higher (<0.1-2.5/h) than in any other bay system.

Highest fall coastwide hardhead catfish catch rates (1.0/h) occurred during 1984 (Table 1). The lowest catch rate (0.3/h) occurred in 1977. Catch rates in the Galveston Bay system were generally higher (0.2-1.7/h) than in any other bay system.

Coastwide spring hardhead catfish catch rates were highest (1.6-1.8/h) during 1982-1987; they ranged from 0.9-1.4/h in all other years (Table 2). Catch rates in the Galveston Bay system were higher (1.6-4.2/h) than in any other bay system.

Fall and spring coastwide pinfish catch rates were $<0.1/h$ in all years (Table 1 and 2). Catch rates within each bay system were $\leq 0.1/h$ except for Corpus Christi Bay (0.2/h) in fall 1980 and 1983 and in fall 1987 (0.3/h).

Coastwide fall spot catch rates were $\leq 0.3/h$ in all years (Table 1). Fall catch rates in the Corpus Christi Bay system generally equaled or were higher ($<0.1-0.9/h$) than in any other bay system.

Coastwide spring spot catch rates were $\leq 0.1/h$ in all years (Table 2). Spring catch rates within each bay system ranged from 0.0-0.6/h.

The highest coastwide fall striped mullet catch rate (0.7/h) occurred in both 1975 and 1976; rates ranged from 0.2-0.5/h in all other years (Table 1). The San Antonio, Aransas, and lower Laguna Madre Bay systems generally had the highest catch rates (0.2-2.5/h).

Spring coastwide striped mullet catch rates ranged from 0.1-0.3/h in all years (Table 2). Catch rates in each bay system ranged from 0.0-0.9/h.

Fall and spring coastwide catch rates of "other finfishes" ranged from 0.5-1.2/h in all years (Tables 1 and 2). Catch rates in each bay system ranged from 0.0-2.7/h. Generally, catch rates in the upper Laguna Madre were lower (0.1-0.5/h) than in any other bay system during both fall and spring.

Fall and spring coastwide "total finfishes" catch rates ranged from 3.7-7.3/h in all years (Tables 1 and 2). Catch rates in each bay system ranged from 1.1-11.1/h. Generally, highest catch rates (4.6-11.1/h) were recorded in the Galveston Bay system during spring in all years.

Fall and spring coastwide mean lengths did not vary over about 125 mm among years for any species (Tables 1 and 2). Red drum mean lengths ranged from 372-500 mm. Spotted seatrout mean lengths ranged from 422-495 mm. Black drum mean lengths ranged from 341-474 mm. Sheepshead mean lengths ranged from 297-382 mm. Southern flounder mean lengths ranged from 322-363 mm. Atlantic croaker mean lengths ranged from 263-323 mm. Sand seatrout mean lengths ranged from 210-478 mm. Gafftopsail catfish mean lengths ranged from 495-567 mm. Gulf menhaden mean lengths ranged from 245-286 mm. Hardhead catfish mean lengths ranged from 314-346 mm. Pinfish mean lengths ranged from 179-256 mm. Spot mean lengths ranged from 222-257 mm. Striped mullet mean lengths ranged from 323-367 mm.

The highest catch rates for red drum, spotted seatrout, Atlantic croaker, Gulf menhaden, hardhead catfish, pinfish, spot, striped mullet, "other finfishes", and "total finfishes" occurred in the 7.6- and 10.2-cm meshes (Appendix A). Black drum, sheepshead, southern flounder, sand seatrout, and gafftopsail catfish catch rates in the 12.7- and 15.2-cm meshes generally

equaled or exceeded catch rates in the 7.6- and 10.2-cm meshes. The largest fish of each species were generally caught in the 12.7- and 15.2-cm meshes.

Hydrologic data varied among seasons, among years, and among bay systems (Appendix B). Coastwide annual salinities ranged from 15.9 to 27.9 o/oo during fall and from 14.4 to 27.6 o/oo during spring. Salinities were generally higher (17.1-46.8 o/oo) in the upper and lower Laguna Madre than in any other bay system. Coastwide water temperatures were generally lower during fall (21.2-26.0 C) than during spring (25.0-27.4 C). This pattern was consistent in each bay system. Turbidities were generally <92 JTU coastwide and in all bay systems in both seasons during 1975-1986. During 1987, turbidity values for all bay systems ranged from 6-19 NTU in fall and from 11-43 NTU in spring.

Bag Seine

Coastwide red drum catch rates were highest (20-26/ha) during 1980-1983 and 1987, and lowest (6/ha) in 1984; they ranged from 7-18/ha in all other years (Table 3). Catch rates among bay systems ranged from 1/ha in upper Laguna Madre in 1982 and 1985 and Aransas Bay in 1986 to 59/ha in Galveston Bay in 1980.

Coastwide spotted seatrout catch rates were highest (15/ha) in 1982 and lowest (4/ha) in 1984; they ranged from 5-14/ha in all other years (Table 3). Catch rates among bay systems ranged from <1/ha in lower Laguna Madre in 1980 to 37/ha in Galveston Bay in 1979 and 1982.

Coastwide black drum catch rates were highest (13-16/ha) in 1978 and 1979 (Table 3). The lowest catch rate (1/h) was recorded in 1986. Highest bay system catch rates occurred in Galveston Bay (1-40/ha); catch rates in all other bay systems were generally \leq 12/ha except San Antonio Bay in 1978 (22/ha), the lower Laguna Madre in 1979 (18/ha), and the upper Laguna Madre in 1987 (44/ha).

The highest coastwide sheepshead catch rate (6/ha) occurred in 1979; all other catch rates were \leq 1/ha (Table 3). Individual bay system catch rates were \leq 3/ha except in Galveston Bay (15/ha), San Antonio Bay (6/ha), and Corpus Christi Bay (13/ha) during 1979.

Coastwide southern flounder catch rates were highest in 1982 (8/ha). All other catch rates ranged from 1-6/ha (Table 3). Individual bay system catch rates were \leq 13/ha except in Aransas Bay (18/ha) in 1982, in Matagorda Bay (19/ha) in 1986, and in Galveston Bay (20/ha) in 1987.

Coastwide Atlantic croaker catch rates were highest in 1982 (471/ha) and 1984 (402/ha) and lowest (113/ha) in 1987 (Table 3). All other catch rates ranged from 122-364/ha. Galveston Bay had highest catch rates (148-1,812/ha) during all years.

Coastwide sand seatrout catch rates were highest (13-15/ha) during 1982-1984 (Table 3). They were \leq 5/ha in all other years except 1979 (10/ha). Highest bay system catch rates occurred in Galveston (8-67/ha), East Matagorda

(4-10/ha), and Matagorda (2-30/ha) Bays; catch rates in all other bay systems were ≤ 2 /ha except for lower Laguna Madre in 1984 (8/ha).

Coastwide Gulf menhaden catch rates fluctuated between 312/ha and 3,343/ha in all years (Table 3). Highest bay system catch rates occurred in Galveston (122-14,717/ha) and Matagorda Bays (115-10,076/ha); catch rates in all other bay systems were generally $< 1,600$ /ha except Aransas Bay in 1978 (3,310/ha) and Sabine Lake in 1986 (3,049/ha).

Coastwide hardhead catfish catch rates were highest (22-25/ha) during 1983-1984 and lowest (9/ha) in 1978 (Table 3). They ranged from 12-22/ha in all other years. Highest bay system catch rates occurred in Galveston (12-70/ha), East Matagorda (10-70/ha), and Matagorda (13-54/ha) Bays; catch rates in all other bay systems were ≤ 24 /ha except in San Antonio Bay in 1986 (30/ha).

Coastwide pinfish catch rates were lowest (47-65/ha) during 1978-1979, intermediate (152-151/ha) in 1980 and 1981 and highest (212-287/ha) during 1982-1986 (Table 3). Bay system catch rates ranged from 1/ha in lower Laguna Madre in 1979 to 696/ha in Aransas Bay in 1986.

Coastwide spot catch rates were highest in 1982 (350/ha) and 1984 (430/ha) and lowest in 1979 (156/ha) and 1980 (160/ha); they ranged from 185-314/ha in all other years (Table 3). Bay system catch rates ranged from 17/ha in upper Laguna Madre in 1987 to 948/ha in lower Laguna Madre in 1984.

Coastwide striped mullet catch rates fluctuated from 35/ha in 1986 to 174/ha in both 1979 and 1982 (Table 3). Bay system catch rates ranged from 15/ha in upper Laguna Madre in 1983 to 553/ha in Matagorda Bay in 1982.

Coastwide catch rates for "other finfishes" ranged from 692/ha in 1987 to 1,591/ha in 1979 (Table 3). Bay system catch rates ranged from 278/ha in Matagorda Bay in 1982 to 3,419/ha in Aransas Bay in 1982.

The highest coastwide catch rate (5,242/ha) for "total finfishes" occurred in 1980; catch rates in all other years ranged from 2,028-4,188/ha (Table 3). Bay system catch rates ranged from 632/ha in Matagorda Bay in 1980 to 18,543/ha in Galveston Bay in 1980.

Coastwide monthly bag seine catch rates in 1987 indicated seasonal peaks in abundance which were unique for each species (Appendix C). Red drum coastwide catch rates were highest during January-March, November and December. Coastwide spotted seatrout catch rates were highest during July-November. The highest catch rate for black drum occurred in June and September. Coastwide sheepshead catch rates were highest during June through August. Highest coastwide southern flounder catch rates occurred during March-May. Coastwide Atlantic croaker catch rates were highest during February-May. Sand seatrout coastwide catch rates were highest during May. Gafftopsail catfish were only caught in August. Coastwide Gulf menhaden catch rates were highest during April-August. Coastwide hardhead catfish catch rates were highest during May-September. Coastwide pinfish catch rates were highest during April-September. Spot coastwide catch rates were highest

during February-May. Striped mullet coastwide catch rates were generally highest during January-September. Highest coastwide catch rates of "other finfishes" occurred in May, July and August. The coastwide catch rates for "total finfishes" were highest during February-September.

Hydrologic data during 1987 varied among months and among bay systems (Appendix B). Coastwide salinities ranged from 14.7 o/oo in June to 24.5 o/oo in November. Individual bay system salinities were generally higher in the upper and lower Laguna Madre than in any other bay system. Water temperatures followed seasonal trends, declining during fall, increasing during spring, with lowest temperatures in winter (14.4 C) and highest temperatures in summer (30.7 C). Turbidities were generally ≤ 31 NTU's coastwide; they ranged from 2 to 88 NTU's in all bay systems.

DISCUSSION

Independent monitoring programs utilizing gill nets and bag seines can be used to indicate changes in fish abundance on a coastwide basis. McEachron and Green (1986b) found differences in coastwide annual catch rates for several species. Abundance information from gill nets was used to justify the prohibition of sale and the imposition of recreational bag and size limits for red drum and spotted seatrout (Texas Parks and Wildlife Department 1983).

Effective management of fish populations requires knowledge of the relationship between spawning and subsequent adult abundance (Cushing 1970, Gulland 1977). Since it has been possible to detect changes in annual abundances with bag seines and gill nets, it may be possible to determine stock recruitment relationships utilizing these gears. To determine these relationships, it is imperative that the standardized monitoring program used by the TPWD be maintained.

Relative abundance of juvenile fishes is not uniform throughout the year. Periods of high relative abundance in bag seines were subjectively determined for red drum, spotted seatrout, black drum, sheepshead, southern flounder, and Atlantic croaker (McEachron and Green 1986b). The 1987 monthly bag seine catches in this report also indicate specific periods of high abundance for these species. A more efficient method of estimating abundance in bag seines from year to year (estimate having the highest precision for effort expended) would be to identify and pool data for months which do not have significantly different catch rates. It is recommended that periods of high abundance in bag seines be statistically determined for each of the species.

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Table 1. Mean catch rates (No./h) and mean total lengths (mm) of selected fishes caught with gill nets (all meshes combined) by bay system during fall 1975-1987. Blank indicates no measurement taken; ND = no data.

Species	Year	Bay system																			
		Sabine Lake			Galveston			East			Corpus Christi			Upper Laguna Madre		Lower Laguna Madre		Coastwide			
		No./h	Length	No./h	Length	No./h	Length	Matagorda	San Antonio	Aransas	Christi	No./h	Length	No./h	Length	No./h	Length	No./h	Length		
Red drum	1975	ND		1.2	403	ND		1.2	337	0.8	326	0.8	339	0.4	330	0.3	424	0.7	474	0.9	372
	1976	ND		1.0	509	0.3	487	0.5	415	0.4	406	0.4	395	0.5	460	0.4	442	1.3	465	0.9	452
	1977	ND		0.6	445	0.9	390	0.8	435	1.0	386	0.6	392	0.5	427	0.2	364	0.4	448	0.6	416
	1978	ND		0.3	429	0.7	376	1.0	395	1.0	401	0.4	401	0.4	429	0.3	455	0.4	493	0.6	412
	1979	ND		0.8	386	0.7	403	1.4	353	1.9	376	0.9	378	0.8	352	0.5	387	0.5	449	1.0	378
	1980	ND		0.5	436	0.8	473	0.6	434	0.9	411	1.1	386	0.7	370	0.5	454	0.6	449	0.7	419
	1981	ND		0.5	429	0.6	405	0.6	390	0.7	373	0.8	403	0.6	396	0.3	515	0.8	488	0.6	422
	1982	ND		0.6	440	0.9	401	0.6	390	0.5	360	0.4	386	0.2	417	0.2	456	0.5	440	0.5	413
	1983	ND		0.6	436	0.8	394	0.5	418	0.6	407	0.4	410	0.3	448	0.2	486	0.7	509	0.5	440
	1984	ND		0.9	451	1.1	551	0.2	382	0.6	383	0.5	377	0.8	400	0.7	457	0.7	472	0.6	436
	1985	ND		0.9	421	1.2	420	0.8	394	1.3	385	0.8	427	0.7	436	0.3	460	0.9	478	0.8	423
	1986	0.4	481	0.7	468	0.8	453	0.8	403	1.2	441	0.9	454	0.5	450	0.4	486	0.9	495	0.8	456
	1987	0.4	449	0.5	459	0.9	446	0.8	372	1.2	473	0.6	459	0.4	424	0.3	527	1.5	532	0.7	467
	Spotted seatrout	1975	ND		0.2	447	ND		0.6	419	0.7	389	0.7	474	0.4	479	0.2	455	0.8	413	0.6
1976		ND		0.4	463	1.0	451	0.4	437	0.7	427	0.2	448	0.6	387	0.2	455	2.4	431	0.7	433
1977		ND		0.2	501	0.3	461	0.4	455	0.5	387	0.1	485	0.2	483	0.6	412	0.8	464	0.4	449
1978		ND		0.3	544	0.3	400	0.8	406	0.5	387	0.1	383	0.2	417	0.4	431	0.5	437	0.4	432
1979		ND		0.2	449	0.1	385	0.6	418	0.2	439	0.1	476	0.2	413	0.1	434	0.4	472	0.2	438
1980		ND		0.2	476	0.2	418	0.3	406	0.2	435	0.2	446	0.3	465	0.2	434	0.5	490	0.3	457
1981		ND		0.2	483	0.8	419	0.4	437	0.3	428	0.2	442	0.4	437	0.2	469	0.7	486	0.4	457
1982		ND		0.3	456	0.4	468	0.3	430	0.4	428	0.2	458	0.2	458	0.4	435	0.5	453	0.3	445
1983		ND		0.4	464	0.5	420	0.3	438	0.5	425	0.2	459	0.3	435	0.3	459	0.6	476	0.4	452
1984		ND		0.4	465	0.3	459	0.2	430	0.2	420	0.1	453	0.2	467	0.1	400	0.4	458	0.2	453
1985		ND		0.3	470	0.3	418	0.4	439	0.2	430	0.2	438	0.4	432	0.4	443	0.6	475	0.3	453
1986		0.2	395	0.4	438	0.4	444	1.3	431	0.4	432	0.3	442	0.4	464	0.3	437	1.0	472	0.4	444
1987		0.1	410	0.2	459	0.5	425	0.6	425	0.3	422	0.3	452	0.5	461	0.2	456	0.7	461	0.4	445
Black drum		1975	ND		0.4	366	ND		0.9	326	0.5	315	0.8	290	0.4	358	1.2	422	1.0	454	0.7
	1976	ND		0.3	337	0.6	305	0.9	344	1.2	325	0.6	376	0.3	366	1.0	503	2.4	419	0.9	388
	1977	ND		0.4	384	0.5	371	0.5	338	0.7	336	0.4	341	0.3	365	0.8	406	2.2	410	0.7	383
	1978	ND		0.4	383	1.0	346	0.5	383	0.3	306	0.5	311	0.1	383	0.8	425	0.4	377	0.4	372
	1979	ND		0.2	398	0.1	410	0.2	404	0.4	361	0.3	380	0.4	308	0.4	391	0.5	423	0.3	387
	1980	ND		0.8	391	0.9	341	0.7	306	1.2	298	0.9	340	0.5	370	0.6	365	1.0	400	0.8	353
	1981	ND		0.3	408	0.4	343	0.4	383	0.5	315	0.5	341	0.4	357	0.5	390	0.8	384	0.5	369
	1982	ND		0.6	355	2.4	346	0.6	352	1.1	337	0.6	369	0.7	369	0.9	388	1.9	387	1.0	356
	1983	ND		0.2	381	1.0	361	0.6	375	1.0	296	1.1	337	0.6	406	0.5	422	0.9	418	0.6	381
	1984	ND		0.4	405	0.7	348	0.2	386	0.3	269	0.2	329	0.2	376	0.4	438	0.4	442	0.3	389
	1985	ND		0.8	379	0.6	363	0.4	357	0.3	295	0.4	325	0.2	363	0.9	389	0.5	435	0.5	372
	1986	0.4	360	0.7	380	0.6	303	0.6	351	0.4	342	0.5	357	0.3	388	0.5	317	0.5	441	0.5	379
	1987	0.3	378	0.4	376	1.5	376	0.4	383	0.3	364	0.5	370	0.2	384	0.4	403	0.6	465	0.4	393

Table 1. (Cont'd.).

Species	Year	Bay system																			
		Sabine Lake		Galveston		East		Matagorda		San Antonio		Arkansas		Corpus Christi		Upper Laguna Madre		Lower Laguna Madre		Coastwide	
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length
Sheeps-head	1975	ND	<.1	362	ND	0.1	316	0.2	291	1.1	296	0.2	376	0.3	409	0.1	352	0.3	323		
	1976	ND	<.1	331	0.2	308	0.2	273	0.4	329	1.0	255	0.1	328	0.2	360	0.4	341	0.3	297	
	1977	ND	<.1	342	0.3	316	0.1	314	0.2	321	0.5	267	0.2	335	0.2	406	0.3	356	0.2	323	
	1978	ND	0.1	308	0.2	307	0.1	342	0.5	371	0.6	306	0.2	361	0.2	376	0.1	300	0.2	337	
	1979	ND	<.1	335	0.2	352	0.1	312	0.4	362	0.8	318	0.2	339	0.1	395	0.2	349	0.2	338	
	1980	ND	0.1	283	0.1	309	<.1	353	0.7	296	0.6	307	0.2	361	0.2	382	0.4	330	0.2	316	
	1981	ND	<.1	321	0.1	277	0.2	292	0.3	335	0.2	322	0.1	343	0.1	382	0.3	332	0.2	327	
	1982	ND	0.1	330	0.3	332	0.1	313	0.1	296	0.2	350	0.1	365	0.2	383	0.3	330	0.1	339	
	1983	ND	<.1	342	0.5	345	0.1	338	0.2	302	0.1	355	0.1	361	0.2	395	0.3	340	0.2	346	
	1984	ND	<.1	369	0.3	383	<.1	369	<.1	427	0.1	436	<.1	383	0.1	417	0.1	333	0.1	379	
	1985	ND	<.1	380	0.2	379	<.1	374	<.1	362	<.1	326	<.1	352	<.1	435	0.1	369	<.1	369	
	1986	<.1	340	<.1	359	0.1	297	0.1	336	0.1	329	0.1	304	0.1	359	<.1	407	0.1	351	0.1	336
	1987	<.1	402	0.1	387	0.1	366	0.1	352	0.1	371	0.2	360	0.1	340	<.1	386	0.2	342	0.1	355
	Southern Flounder	1975	ND	<.1	317	ND	0.1	323	0.1	250	0.1	309	0.2	380	0.1	448	0.1	338	0.1	342	
		1976	ND	<.1	365	0.5	321	<.1	296	0.2	363	0.1	304	0.2	351	0.1	347	0.1	389	0.1	348
		1977	ND	0.2	331	0.2	342	<.1	322	0.2	312	0.2	368	0.1	383	<.1	491	<.1	353	0.1	342
		1978	ND	0.1	359	0.1	354	<.1	310	0.1	310	0.1	377	0.2	372	<.1	354	<.1	335	0.1	352
1979		ND	<.1	348	0.1	331	0.1	338	0.2	388	0.1	336	0.1	347	0.1	396	0.2	366	0.2	363	
1980		ND	0.2	345	0.3	369	0.2	330	0.1	325	0.1	359	0.2	367	<.1	363	0.2	400	0.1	354	
1981		ND	0.1	326	0.1	351	0.1	335	0.1	311	0.1	356	0.1	348	0.1	387	0.1	358	0.1	346	
1982		ND	0.2	345	0.3	354	0.1	350	0.2	311	0.1	360	0.1	353	0.2	349	0.2	354	0.2	346	
1983		ND	0.1	348	0.2	350	0.1	324	0.2	342	<.1	335	0.1	367	0.1	345	0.1	389	0.1	351	
1984		ND	0.1	341	0.2	364	<.1	328	0.1	322	0.1	323	0.1	328	0.1	326	0.1	293	0.1	326	
1985		ND	0.1	340	0.2	370	0.1	333	0.1	330	0.1	336	0.1	337	0.2	347	0.1	331	0.1	339	
1986		0.1	299	0.1	363	0.1	376	0.1	346	0.1	377	<.1	348	0.1	371	0.1	368	0.2	363	0.1	361
1987		0.1	335	0.1	336	0.1	350	0.1	308	0.1	345	0.1	394	0.1	337	>.1	381	0.1	402	0.1	351
Atlantic croaker		1975	ND	<.1	245	ND	0.0	312	0.2	338	0.4	321	0.4	321	0.1	314	0.1	343	0.1	323	
		1976	ND	0.2	262	0.1	248	0.3	263	0.4	296	0.2	314	0.6	320	0.5	329	0.3	326	0.3	301
		1977	ND	0.1	291	0.1	275	0.2	274	0.2	290	0.8	307	0.6	350	0.7	345	0.2	340	0.3	319
		1978	ND	0.1	274	0.1	248	0.2	255	0.1	242	0.5	314	0.4	296	0.4	283	<.1	331	0.2	288
	1979	ND	<.1	271	0.2	248	0.1	287	0.2	270	0.2	303	0.5	326	0.1	316	0.2	331	0.2	305	
	1980	ND	0.2	284	0.1	262	0.2	261	0.1	264	0.2	320	1.7	320	0.1	302	0.2	298	0.3	303	
	1981	ND	0.2	279	0.2	254	0.1	273	0.2	268	0.7	328	0.8	320	0.2	323	0.4	320	0.3	310	
	1982	ND	0.4	282	0.4	256	0.1	277	0.2	278	0.4	328	1.0	327	0.4	338	0.3	330	0.4	310	
	1983	ND	0.3	275	0.4	261	0.2	263	0.5	286	0.3	309	1.0	320	0.1	312	0.5	314	0.4	299	
	1984	ND	0.2	274	0.2	259	0.2	259	0.2	252	0.1	261	0.5	274	0.1	264	0.2	270	0.2	268	
	1985	ND	0.6	272	0.4	258	0.1	254	0.1	261	0.3	268	0.6	279	0.2	307	0.3	281	0.3	274	
1986	0.2	296	0.4	281	0.1	261	0.2	253	0.2	256	0.3	280	1.4	305	0.1	322	0.3	299	0.4	289	
1987	0.1	287	0.8	288	0.1	252	0.3	253	>.1	253	0.2	283	1.5	323	0.1	321	0.3	322	0.4	298	

Table 1. (Cont'd.).

Species	Year	Bay System																							
		Sabine Lake				Galveston				East				Corpus Christi				Upper Laguna Madre		Lower Laguna Madre		Coastwide			
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length		
Sand seatrout	1975	ND		0.2	309	ND		0.3	291	0.0		<.1	308	<.1	288	0.0		0.0		0.0		0.0		0.1	299
	1976	ND		0.1	293	0.1	297	<.1	301	0.0		0.0			0.2	301	<.1	398	0.0		0.0		0.1	307	
	1977	ND		0.1	312	0.0		<.1	321	0.0		0.0		0.0	0.0		<.1	377	0.0		0.0		<.1	315	
	1978	ND		<.1	303	0.0		<.1	184	0.0		0.0		0.0	0.0		0.0	0.0		0.0		0.0		<.1	254
	1979	ND		<.1	252	0.0		<.1	256	<.1	211	0.0		0.1	294	<.1	268	<.1	268	0.0		0.0		<.1	272
	1980	ND		0.1	302	0.0		<.1	220	0.0		0.0		0.0	0.0		0.0	0.0		0.0		0.0		<.1	299
	1981	ND		<.1	252	<.1	238	<.1	242	<.1	175	<.1	226	<.1	247	<.1	335	<.1	335	<.1	305	<.1	326	<.1	255
	1982	ND		0.1	299	<.1	246	<.1	250	<.1	250	<.1	297	<.1	290	<.1	265	<.1	265	<.1	291	<.1	305	<.1	288
	1983	ND		<.1	306	<.1	235	<.1	274	<.1	240	<.1	297	<.1	278	0.0		0.0		0.0		0.0		<.1	291
	1984	ND		0.1	308	<.1	315	<.1	284	<.1	282	<.1	277	<.1	296	0.0		0.0		0.0		0.0		<.1	302
	1985	ND		0.1	280	<.1	255	<.1	252	<.1	332	<.1	237	<.1	262	0.0		0.0		0.0		0.0		<.1	279
	1986	<.1	281	<.1	304	<.1	239	<.1	254	<.1	254	<.1	206	<.1	250	<.1	249	<.1	249	<.1	279	<.1	338	<.1	288
	1987	<.1	300	0.1	285	<.1	220	<.1	240	0.0		0.0		<.1	250	0.0		0.0		0.0		0.0		<.1	276
Gafftop-sail catfish	1975	ND		0.0		ND		0.1	571	<.1	493	<.1	552	0.1	575	0.0		0.0		0.0		0.0		<.1	567
	1976	ND		0.1	482	0.0		0.2	526	0.4	498	<.1	587	<.1	475	0.0		0.0		0.0		0.0		0.1	509
	1977	ND		<.1	516	0.0		<.1	499	0.2	526	<.1	385	<.1	600	0.1		529	0.0		0.0		0.0	<.1	516
	1978	ND		0.0		0.0		<.1	514	<.1	543	0.0		0.1	551	0.0		0.0		0.0		0.0		<.1	534
	1979	ND		0.0		0.2	542	0.0		0.1	499	<.1	533	0.0	0.0	0.0		0.0		0.0		0.0		<.1	511
	1980	ND		0.1	550	0.0		<.1	478	0.3	509	0.1	522	0.1	517	0.0		0.0		0.0		0.0		0.1	525
	1981	ND		0.1	492	0.0		<.1	505	<.1	542	0.1	511	0.1	523	0.0		0.0		0.0		0.0		<.1	507
	1982	ND		<.1	423	<.1	616	<.1	520	0.3	527	0.1	533	<.1	545	<.1	541	<.1	541	<.1	408	<.1	379	0.1	517
	1983	ND		0.1	473	0.1	473	<.1	498	0.3	514	0.1	544	0.1	532	0.0		0.0		0.0		0.0		0.1	514
	1984	ND		<.1	517	0.1	474	0.1	510	0.3	507	0.1	521	0.1	488	0.0		0.0		0.0		0.0		0.1	509
	1985	ND		0.1	525	0.1	482	<.1	498	0.1	546	0.1	556	0.1	519	<.1	556	<.1	556	<.1	511	<.1	356	<.1	528
	1986	0.1	462	<.1	521	<.1	473	<.1	474	0.2	485	0.1	532	<.1	514	0.0		0.0		0.0		0.0		<.1	495
	1987	>.1	423	0.1	491	0.1	527	<.1	512	<.1	519	0.1	542	<.1	528	0.0		0.0		0.0		0.0		<.1	514
Gulf menhaden	1975	ND		0.5	272	ND		1.7	302	0.4	221	0.2	307	0.5	284	0.3		280	0.1		0.1		312	0.5	286
	1976	ND		2.7	240	<.1	270	0.3	246	0.3	275	0.1	267	0.5	275	0.2		304	0.1		0.1		275	0.8	255
	1977	ND		3.0	246	<.1	248	0.2	244	0.1	240	<.1	237	2.0	254	1.4		258	0.1		0.1		211	1.0	249
	1978	ND		0.6	249	0.5	249	<.1	241	0.1	239	0.6	242	1.4	250	0.2		254	0.0		0.0		294	0.4	248
	1979	ND		0.1	249	0.1	231	0.4	250	<.1	235	0.1	251	0.3	251	0.1		261	<.1		0.1		294	0.1	252
	1980	ND		0.3	253	0.0		<.1	260	0.1	255	0.1	245	<.1	243	0.6		249	0.1		0.1		325	0.2	254
	1981	ND		0.7	259	<.1	260	0.1	246	0.1	242	0.1	238	0.3	255	0.7		262	0.1		0.1		273	0.3	258
	1982	ND		0.6	251	<.1	310	<.1	246	0.1	243	<.1	238	0.8	255	0.1		264	<.1		0.1		239	0.2	252
	1983	ND		1.7	257	0.1	248	<.1	248	0.2	239	0.2	246	0.2	258	<.1		290	<.1		0.1		250	0.5	255
	1984	ND		1.0	256	0.2	255	0.4	248	0.4	246	0.6	251	0.5	284	0.2		273	0.2		0.2		295	0.5	259
	1985	ND		1.5	249	<.1	233	0.1	254	0.1	249	0.1	263	0.5	260	0.2		281	0.1		0.1		279	0.4	253
	1986	0.2	246	1.5	244	0.1	233	0.3	239	0.1	244	0.2	249	0.9	263	<.1		249	<.1		0.1		262	0.5	247
	1987	0.1	244	1.8	250	0.0		0.1	244	0.0	278	<.1	250	0.2	259	<.1		256	<.1		<.1		278	0.4	250

Table 1. (Cont'd.).

Species	Year	Bay system												Coastwide No./h Length								
		Sabine Lake			Galveston			East			Upper Laguna Madre				Lower Laguna Madre							
		No./h	Length	No./h	Length	No./h	Length	Matagorda	Matagorda	San Antonio	Anansas	Corpus Christi	Upper Laguna Madre	Lower Laguna Madre	No./h	Length						
Hardhead catfish	1975	ND		0.8	318	ND		0.2	309	0.5	320	0.2	303	0.3	325	0.5	307	0.3	298	0.4	314	
	1976	ND		0.7	347	<.1	322	0.2	283	0.8	310	0.2	289	0.3	300	0.4	291	0.5	292	0.4	314	
	1977	ND		0.6	338	<.1	331	0.1	305	0.2	321	0.1	323	0.2	322	0.3	309	0.7	320	0.3	325	
	1978	ND		1.4	340	0.1	304	0.2	283	0.1	318	0.2	337	0.3	318	0.4	285	0.6	341	0.5	330	
	1979	ND		1.5	350	0.2	338	0.2	321	0.7	338	0.2	348	0.3	331	0.4	291	0.4	335	0.6	340	
	1980	ND		0.7	333	0.4	329	0.1	331	0.7	316	0.3	326	0.3	353	0.4	294	0.5	330	0.4	326	
	1981	ND		1.0	341	0.3	319	<.1	313	1.0	345	0.4	345	0.4	347	0.2	312	0.7	348	0.6	340	
	1982	ND		1.7	341	0.4	334	0.2	332	0.8	342	0.3	347	0.3	346	0.6	305	0.8	331	0.7	336	
	1983	ND		1.1	344	0.4	337	0.4	331	0.6	326	0.4	353	0.5	342	1.0	317	0.9	352	0.7	339	
	1984	ND		1.6	330	1.3	322	0.8	326	1.0	337	0.6	340	0.4	342	0.9	307	0.9	329	1.0	329	
	1985	ND		1.0	329	0.5	327	0.7	346	0.9	355	0.5	354	0.5	349	0.7	313	0.9	317	0.8	335	
	1986	<.1	335	0.2	338	0.4	342	0.5	336	1.0	351	0.6	355	0.4	356	0.5	299	0.8	353	0.7	342	
	1987	0.1	320	0.7	337	0.5	320	0.8	343	0.9	358	0.3	355	0.4	369	0.3	314	0.5	366	0.6	346	
	Pinfish	1975	ND		0.0		ND		0.0		0.0		0.0		<.1	180	<.1	178	0.0		<.1	179
		1976	ND		0.0		0.1	199	0.0		0.2	212	0.0		<.1	212	<.1	240	<.1	220	<.1	212
		1977	ND		0.0		0.0		0.0		0.0		210	0.0		210	0.1	277	0.1	209	<.1	250
		1978	ND		<.1	238	<.1	168	0.0		0.1	222	<.1	247	<.1	217	<.1	190	<.1	230	<.1	221
		1979	ND		0.0		0.0		<.1	181	0.0		0.0		<.1	224	<.1	155	<.1	218	<.1	210
1980		ND		<.1	157	0.0		0.0		0.0		0.0		0.2	238	<.1	186	0.0		<.1	221	
1981		ND		<.1	221	0.0		<.1	230	<.1	177	<.1	214	<.1	231	<.1	231	<.1	206	<.1	218	
1982		ND		<.1	207	<.1	227	<.1	202	<.1	187	<.1	217	0.1	241	<.1	217	<.1	239	<.1	220	
1983		ND		1.92	192	<.1	202	<.1	178	<.1	187	<.1	174	0.2	236	0.1	185	<.1	209	<.1	206	
1984		ND		<.1	154	0.0		<.1	194	<.1	154	<.1	179	<.1	224	<.1	190	<.1	172	<.1	183	
1985		ND		<.1	192	<.1	170	<.1	193	<.1	206	<.1	162	<.1	189	<.1	182	<.1	182	<.1	185	
1986		<.1	51	<.1	200	<.1	211	<.1	150	0.0	0.0	<.1	218	<.1	176	<.1	188	<.1	143	<.1	183	
1987		0.0		<.1	176	<.1	226	<.1	177	<.1	143	<.1	177	0.3	225	<.1	181	<.1	191	<.1	202	
Spot		1975	ND		0.0		ND		<.1	305	<.1	245	0.1	247	0.9	245	0.4	267	0.2	236	0.2	251
		1976	ND		0.4	236	<.1	260	0.2	229	0.3	236	<.1	238	0.3	228	0.2	236	0.5	257	0.3	240
		1977	ND		0.2	234	<.1	257	<.1	256	0.2	240	0.1	243	0.3	231	0.2	252	0.4	250	0.2	243
		1978	ND		0.1	226	0.1	234	0.4	236	0.1	267	0.1	259	0.2	248	0.3	256	0.1	223	0.2	244
		1979	ND		0.0		0.0		<.1	260	<.1	274	<.1	295	<.1	257	0.1	246	0.2	249	<.1	257
	1980	ND		0.1	235	<.1	222	0.4	235	0.1	246	<.1	217	0.3	244	0.1	240	<.1	250	0.1	238	
	1981	ND		0.1	240	0.2	237	<.1	240	<.1	253	<.1	264	0.1	244	0.2	243	0.1	237	0.1	243	
	1982	ND		0.3	238	<.1	246	0.1	232	0.1	245	0.1	241	0.5	260	0.2	240	0.2	246	0.2	245	
	1983	ND		0.2	242	0.2	245	<.1	243	0.2	246	0.1	246	0.3	263	0.1	235	0.2	244	0.2	246	
	1984	ND		0.1	238	0.1	242	0.1	240	0.1	241	0.1	240	0.4	251	<.1	230	<.1	231	0.1	243	
	1985	ND		0.3	233	<.1	229	0.1	234	0.1	237	0.1	237	0.3	240	0.5	230	0.3	231	0.2	233	
	1986	0.1	233	0.2	237	0.1	239	0.1	238	0.1	231	0.1	237	0.5	241	0.1	229	0.2	243	0.2	239	
	1987	0.1	233	0.2	235	<.1	230	0.1	220	<.1	225	0.1	232	0.4	249	<.1	238	0.1	236	0.1	236	

Table 1. (Cont'd.).

Species	Year	Bay system																							
		Sabine Lake			Galveston			East		Matagorda			San Antonio			Aranas		Corpus Christi		Upper Laguna Madre		Lower Laguna Madre		Coastwide	
		No./h	Length	No./h Length	No./h	Length	No./h	Length	Matagorda	Length	Matagorda	Length	San Antonio	Length	Aranas	Length	Corpus Christi	Length	Upper Laguna Madre	Length	Lower Laguna Madre	Length	Coastwide	Length	
Striped mullet	1975	ND		0.3	331	ND		0.4	347	0.6	322	2.5	328	1.0	382	0.3	358	0.5	345	0.7	339				
	1976	ND		0.3	346	0.2	320	0.3	349	1.6	331	0.5	360	0.3	342	0.6	402	2.0	397	0.7	367				
	1977	ND		0.2	345	0.2	380	0.4	330	0.9	343	0.3	321	0.4	371	0.3	396	0.6	354	0.4	348				
	1978	ND		0.2	423	0.6	330	0.6	342	0.5	322	1.1	336	0.1	336	0.1	364	0.3	387	0.4	347				
	1979	ND		0.1	351	0.1	338	0.3	340	0.7	344	0.7	344	0.3	353	0.6	410	0.3	365	0.4	357				
	1980	ND		0.2	363	<.1	319	0.2	343	0.6	357	0.6	357	0.3	340	0.3	360	0.4	346	0.3	353				
	1981	ND		0.1	395	0.1	349	0.1	332	0.6	341	0.5	334	0.3	353	0.3	364	0.9	363	0.4	352				
	1982	ND		0.2	376	0.4	329	0.3	330	0.4	341	0.8	331	0.2	345	0.1	348	0.4	372	0.4	347				
	1983	ND		0.2	370	0.2	335	0.2	339	0.3	334	0.5	350	0.2	347	0.3	383	0.6	375	0.3	358				
	1984	ND		0.4	362	0.7	328	0.3	331	0.5	350	0.6	342	0.4	357	0.5	376	0.4	356	0.5	352				
	1985	ND		0.2	338	0.2	326	0.2	323	0.3	343	0.2	342	0.2	342	0.3	397	0.3	375	0.3	354				
	1986	<.1	328	0.1	377	0.3	328	0.1	327	0.4	369	0.2	356	0.2	358	<.1	370	0.6	359	0.2	359				
	1987	<.1	325	0.2	375	0.4	333	0.7	319	1.1	360	0.6	348	0.3	338	0.1	391	0.4	382	0.5	351				
Other finfishes	1975	ND		1.4	505	ND		1.0	461	0.6	438	1.1	415	1.0	358	0.5	383	1.0	365	1.0	439				
	1976	ND		1.0	397	0.1	316	1.4	483	1.1	493	1.6	420	1.0	380	0.2	439	1.1	380	1.0	428				
	1977	ND		0.5	563	0.2	322	2.7	408	2.0	346	0.4	473	1.1	321	0.4	311	0.9	379	1.1	397				
	1978	ND		0.5	311	0.2	293	1.2	365	2.0	463	0.6	403	0.2	325	0.5	443	0.8	403	0.8	393				
	1979	ND		0.6	386	<.1	540	0.9	371	0.6	418	0.5	514	0.4	330	0.2	360	0.6	410	0.5	403				
	1980	ND		0.4	375	0.1	314	0.6	376	1.1	315	0.6	323	0.3	295	0.3	424	0.2	388	0.5	350				
	1981	ND		0.9	371	0.5	344	0.6	469	0.9	468	1.0	455	1.1	403	0.2	397	0.6	415	0.7	421				
	1982	ND		1.0	353	0.7	319	1.1	491	1.0	491	0.8	437	0.8	386	0.3	380	0.7	422	0.8	422				
	1983	ND		1.2	412	1.7	286	1.5	415	1.0	420	0.8	574	1.8	367	0.1	394	0.6	417	1.1	418				
	1984	ND		1.1	393	0.8	308	1.6	515	1.0	633	0.8	679	0.7	412	0.1	441	0.6	526	0.8	491				
	1985	ND		1.0	369	0.4	341	0.7	516	0.5	582	0.3	719	0.3	429	0.1	376	0.5	435	0.6	460				
	1986	0.8	482	0.8	373	1.1	455	1.3	499	0.6	529	0.6	483	0.6	339	0.1	465	0.5	407	0.7	447				
	1987	0.8	549	0.9	358	0.3	438	0.9	350	1.2	507	0.3	464	0.5	331	0.1	449	0.4	448	0.6	412				
Total finfishes	1975	ND		5.1	396	ND		6.6	355	4.9	339	7.9	345	5.7	343	4.3	374	4.8	394	5.5	365				
	1976	ND		7.2	334	4.0	385	4.9	388	9.1	365	5.0	363	5.0	349	5.1	383	11.1	400	6.8	369				
	1977	ND		6.2	334	3.2	362	5.4	389	6.2	348	3.6	344	5.8	326	5.2	343	6.5	381	5.5	353				
	1978	ND		4.0	342	4.0	325	5.0	359	5.1	383	5.2	341	3.8	322	3.6	358	3.1	395	4.3	355				
	1979	ND		3.5	367	2.0	372	4.3	350	5.6	368	3.8	372	3.5	327	2.6	367	3.5	393	3.7	365				
	1980	ND		4.0	371	2.9	375	3.3	346	6.1	342	4.8	350	5.0	336	2.5	354	4.2	390	4.3	357				
	1981	ND		4.2	357	3.3	355	3.0	384	4.8	358	4.4	375	4.8	364	3.1	357	5.5	388	4.2	369				
	1982	ND		6.2	346	6.2	354	3.7	372	5.1	360	4.5	366	5.1	338	3.5	363	5.9	381	5.0	360				
	1983	ND		6.0	350	6.2	341	4.0	378	5.3	352	3.9	396	5.8	356	3.0	362	5.5	399	4.9	367				
	1984	ND		6.5	364	5.7	379	4.4	369	3.9	362	3.8	399	4.2	347	3.1	373	4.2	406	4.6	373				
	1985	ND		7.1	335	4.5	366	3.7	380	4.2	376	3.3	396	4.0	358	3.4	362	4.6	390	4.6	364				
	1986	2.6	395	6.0	349	4.4	390	5.4	387	4.7	408	4.0	378	5.3	347	2.4	381	5.2	404	4.7	377				
	1987	2.2	430	5.8	334	4.7	390	5.0	323	5.2	428	3.3	391	4.9	353	1.6	406	4.6	444	4.4	374				

Table 2. Mean catch rates (No./h) and mean total lengths (mm) of selected fishes caught with gill nets (all meshes combined) by bay system during spring 1976-1987. Blank indicates no measurement taken; ND = no data.

Species	Year	Bay system																			
		East						Corpus Christi													
		Sabine Lake No./h Length	Galveston No./h Length	Matagorda No./h Length	Matagorda No./h Length	San Antonio No./h Length	Aransas No./h Length	Upper Laguna Madre No./h Length	Lower Laguna Madre No./h Length	Coastwide No./h Length											
Red drum	1976	ND	<.1	310	ND	1.0	429	1.0	410	1.0	451	0.6	412	0.1	509	1.2	458	0.7	435		
	1977	ND	0.3	450	0.2	418	0.1	467	0.3	380	0.4	409	0.4	401	0.1	438	0.5	442	0.3	426	
	1978	ND	0.1	394	0.4	429	0.5	485	0.2	400	0.2	444	0.3	461	0.2	495	0.5	462	0.3	460	
	1979	ND	0.2	480	0.1	466	0.2	414	0.2	421	0.4	423	0.3	479	0.2	477	0.3	452	0.3	448	
	1980	ND	0.9	449	0.4	451	1.1	387	0.7	400	0.4	373	1.0	430	0.8	415	0.6	438	0.8	418	
	1981	ND	0.3	431	0.2	465	0.2	408	0.6	396	0.4	399	0.3	424	0.3	412	1.0	438	0.4	420	
	1982	ND	0.9	474	0.4	436	0.5	425	0.4	430	0.4	430	0.5	469	0.3	496	1.0	497	0.6	464	
	1983	ND	0.9	474	1.0	475	0.6	411	0.7	402	0.5	395	0.4	427	0.2	479	0.8	479	0.6	444	
	1984	ND	0.9	482	0.7	446	0.1	430	0.2	513	0.3	419	0.8	457	0.3	436	0.7	514	0.5	473	
	1985	ND	0.6	538	0.5	514	0.2	457	0.2	465	0.4	463	0.6	457	0.3	505	0.6	508	0.4	500	
	1986	0.4	520	1.4	497	0.8	456	0.8	463	0.6	454	0.5	395	0.7	463	0.3	474	1.0	493	0.8	474
	1987	0.2	516	0.6	497	0.6	501	0.9	465	0.7	451	0.6	493	0.6	463	0.4	519	1.1	508	0.7	483
	Spotted seatrout	1976	ND	<.1	530	ND	0.3	422	0.5	382	3.3	465	0.4	365	<.1	405	3.4	457	1.1	453	
		1977	ND	0.2	516	2.0	434	0.2	381	0.9	392	1.0	422	0.4	372	1.2	442	1.5	422	0.8	422
		1978	ND	0.2	523	0.4	441	0.6	409	1.4	408	0.1	435	0.5	437	0.9	474	1.4	503	0.7	456
		1979	ND	0.2	515	0.4	426	0.3	490	0.1	436	0.4	507	0.3	524	0.4	442	0.6	525	0.3	495
		1980	ND	0.1	419	0.8	402	0.6	426	0.9	402	0.2	465	0.3	506	0.5	473	0.9	497	0.5	449
1981		ND	0.4	483	1.8	416	0.4	406	0.7	453	0.8	468	0.5	445	0.4	423	2.2	471	0.8	456	
1982		ND	0.4	491	0.9	454	0.5	456	0.8	440	0.7	435	0.8	489	0.8	481	2.5	485	0.9	472	
1983		ND	0.4	510	1.7	441	0.7	452	0.8	444	0.6	447	0.7	478	0.7	509	1.3	500	0.7	476	
1984		ND	0.3	498	0.7	468	0.3	439	0.3	483	0.2	435	0.2	473	<.1	483	0.7	475	0.3	472	
1985		ND	0.5	506	0.6	467	0.3	424	0.3	457	0.4	430	0.4	471	0.1	427	1.4	485	0.5	473	
1986		0.3	460	0.5	449	1.0	432	0.5	441	0.4	426	0.4	430	1.0	447	0.4	449	1.5	488	0.7	456
1987		0.2	339	0.6	449	0.7	436	0.4	434	0.4	447	0.5	456	0.9	478	0.4	490	1.9	508	0.7	474
Black drum		1976	ND	0.2	290	ND	0.8	418	1.0	306	0.9	389	0.6	360	0.5	352	0.9	387	0.7	366	
		1977	ND	0.4	388	0.3	262	0.5	518	1.0	314	1.2	316	0.5	347	0.4	376	0.9	428	0.7	374
		1978	ND	0.2	439	0.4	344	0.2	300	0.1	306	0.4	358	0.4	325	0.1	398	0.8	395	0.3	373
		1979	ND	0.3	292	0.7	328	0.5	415	<.1	370	0.3	323	0.1	374	0.3	371	0.9	413	0.4	371
		1980	ND	0.4	314	1.0	272	0.9	355	0.4	263	1.0	320	0.3	352	0.7	384	0.4	452	0.6	341
	1981	ND	0.8	418	0.8	312	0.3	301	0.4	352	0.8	362	0.1	379	1.1	390	0.9	391	0.7	381	
	1982	ND	0.6	343	0.8	294	0.5	363	0.7	317	1.1	300	0.4	339	0.7	374	1.2	400	0.8	347	
	1983	ND	0.9	337	2.7	364	0.6	355	0.6	323	1.2	340	0.9	370	1.0	400	1.6	441	1.0	372	
	1984	ND	0.6	373	1.0	391	0.2	368	0.2	460	0.1	559	0.5	414	0.6	442	0.6	459	0.4	417	
	1985	ND	0.5	346	0.4	313	0.3	478	0.1	426	0.2	396	0.2	342	0.8	361	0.4	372	0.4	374	
	1986	0.2	374	0.5	383	0.6	345	0.3	402	0.1	313	0.4	316	0.6	369	0.7	418	0.4	464	0.4	387
	1987	0.2	399	0.6	449	0.7	436	0.4	434	0.4	447	0.5	456	0.9	478	0.4	490	1.9	508	0.7	474

Table 2. (Cont'd.).

Species	Year	Bay System																
		East							West									
		Sabine Lake No./h Length	Galveston No./h Length	Matagorda No./h Length	Matagorda No./h Length	San Antonio No./h Length	Aranzas No./h Length	Corpus Christi No./h Length	Upper Laguna Madre No./h Length	Lower Laguna Madre No./h Length	Coastwide No./h Length							
Sheeps-head	1976	ND	0.0	ND	0.1	420	0.3	341	0.6	342	0.0	0.3	367	0.3	318	0.2	345	
	1977	ND	<.1	234	0.1	280	0.2	308	<.1	232	0.1	0.1	380	0.1	336	0.1	311	
	1978	ND	0.0	296	<.1	278	0.1	313	0.2	354	0.2	0.2	394	0.2	358	0.1	350	
	1979	ND	<.1	297	<.1	391	<.1	402	0.1	320	0.5	0.1	370	0.2	340	0.1	350	
	1980	ND	<.1	347	0.1	334	0.1	320	0.2	352	0.2	0.2	369	0.3	343	0.2	345	
	1981	ND	0.2	326	<.1	453	0.6	335	0.3	349	0.1	0.1	390	0.6	325	0.2	342	
	1982	ND	0.0	0.0	0.1	330	0.2	354	<.1	326	0.2	0.2	361	0.6	326	0.2	336	
	1983	ND	0.1	311	0.1	373	0.2	372	0.1	349	0.3	0.3	392	0.4	342	0.2	354	
	1984	ND	0.1	354	0.3	387	0.2	398	<.1	401	0.2	0.2	385	0.2	348	0.1	370	
	1985	ND	0.2	372	<.1	337	<.1	409	<.1	382	0.1	0.1	427	0.1	353	0.1	382	
	1986	<.1	<.1	372	0.2	369	0.1	417	<.1	305	0.1	0.1	427	0.1	370	<.1	382	
	1987	<.1	<.1	364	0.2	340	<.1	447	<.1	342	<.1	<.1	403	0.2	313	0.1	366	
	Southern flounder	1976	ND	0.0	ND	0.0	328	0.1	335	0.0	358	0.0	0.0	0.0	0.2	350	<.1	345
		1977	ND	<.1	358	<.1	330	0.1	208	0.1	338	<.1	0.1	345	<.1	345	<.1	347
1978		ND	<.1	352	<.1	290	0.1	279	<.1	291	0.1	0.1	344	0.1	344	<.1	323	
1979		ND	<.1	348	<.1	307	<.1	388	<.1	291	0.1	0.1	320	0.2	366	0.1	354	
1980		ND	0.1	325	0.1	307	<.1	292	0.1	292	0.1	0.1	364	0.1	364	0.1	330	
1981		ND	<.1	340	<.1	270	<.1	291	<.1	368	0.1	0.1	348	0.1	338	<.1	322	
1982		ND	0.1	319	<.1	307	<.1	305	0.1	299	0.1	0.1	337	0.1	350	0.1	332	
1983		ND	0.1	318	0.1	327	<.1	333	<.1	329	0.1	0.1	359	0.1	371	0.1	357	
1984		ND	0.1	388	<.1	317	<.1	321	<.1	310	0.1	0.1	344	<.1	355	<.1	342	
1985		ND	0.1	348	<.1	346	0.1	329	<.1	347	0.1	0.1	346	0.1	336	0.1	344	
1986		<.1	<.1	329	<.1	358	<.1	316	<.1	357	<.1	0.1	354	0.1	370	0.1	354	
1987		<.1	<.1	330	<.1	304	0.1	345	<.1	336	<.1	0.1	407	<.1	401	<.1	353	
Atlantic croaker		1976	ND	0.2	298	0.1	293	0.2	332	0.0	285	1.0	0.0	0.0	0.8	333	0.3	306
		1977	ND	0.3	268	0.0	255	<.1	227	<.1	248	1.0	0.4	297	0.2	269	0.2	271
	1978	ND	0.1	247	<.1	270	<.1	250	<.1	248	0.1	0.2	281	0.1	276	0.1	268	
	1979	ND	0.2	260	<.1	257	0.0	254	0.0	240	0.1	0.1	298	0.2	308	0.1	279	
	1980	ND	0.1	268	0.1	250	<.1	254	<.1	240	0.1	0.1	312	0.1	286	0.1	286	
	1981	ND	0.1	264	0.1	250	<.1	265	0.1	289	0.1	0.1	302	0.1	277	0.1	282	
	1982	ND	0.2	268	0.1	258	<.1	265	<.1	286	0.2	0.4	313	0.4	347	0.1	308	
	1983	ND	0.3	268	0.1	278	<.1	277	<.1	286	0.2	0.4	289	0.4	314	0.1	286	
	1984	ND	0.1	265	<.1	322	<.1	298	<.1	260	<.1	0.1	304	<.1	285	<.1	266	
	1985	ND	0.2	273	<.1	318	<.1	184	<.1	115	0.1	0.1	265	0.2	261	0.1	266	
	1986	0.1	0.4	271	<.1	250	<.1	245	<.1	292	0.3	0.2	297	0.1	288	0.1	272	
1987	<.1	0.2	260	<.1	242	<.1	268	<.1	246	<.1	0.1	3.9	<.1	251	0.1	263		

Table 2. (Cont'd.).

Species	Year	Bay System																										
		Sabine Lake				Galveston				East				Corpus Christi				Upper Laguna Madre		Lower Laguna Madre		Coastwide						
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length					
Sand seatrout	1976	ND		<.1	195	ND		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		<.1	244			
	1977	ND		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		
	1978	ND		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		
	1979	ND		<.1	217	0.0		<.1	209	0.0		0.0		<.1	284	<.1	333	<.1	245		<.1		<.1		<.1	231		
	1980	ND		0.0		0.0		0.0		0.0		0.0		<.1	312	0.0		0.0		0.0		0.0		<.1	312			
	1981	ND		0.0		0.0		<.1	378	0.0		<.1	270	0.0		0.0		0.0		0.0		0.0		<.1	318			
	1982	ND		0.0		0.0		<.1	171	0.0		<.1	171	0.0		<.1	390	<.1	295		<.1		<.1		<.1	274		
	1983	ND		<.1	302	0.0		<.1	227	0.0		<.1	227	0.0		<.1	286	<.1	295		<.1		<.1		<.1	291		
	1984	ND		<.1	200	0.0		<.1	180	<.1	236	0.0		0.0		<.1	337	0.0	0.0		<.1		<.1		<.1	210		
	1985	ND		<.1	356	0.0		<.1	172	0.0		<.1	172	0.0		<.1	247	0.0	296	<.1	269		<.1		<.1	259		
	1986	<.1	277	<.1	209	0.0		0.0		0.0		0.0		0.0		<.1	232	0.0	0.0		<.1		<.1		<.1	215		
	1987	0.0		<.1	536	0.0		0.0		0.0		0.0		0.0		<.1	261	0.0	0.0		0.0		<.1		<.1	478		
	Gafftop- sail catfish	1976	ND		6.4	504	ND		0.5	494	2.3	456	0.0		0.0		0.0		0.0		0.0		0.0		0.0		1.8	496
		1977	ND		0.2	480	0.4		0.9	556	3.3	538	3.1	506		0.0		0.0		0.0		0.0		0.0		0.0		1.0
1978		ND		0.3	539	0.1		1.1	546	1.8	496	0.1	545	<.1	436		0.0		0.0		0.0		0.0		0.0		0.5	521
1979		ND		0.3	520	0.5		0.4	553	0.4	534	0.5	544	0.2	551	0.0		0.0		0.0		0.0		0.0		0.3	539	
1980		ND		0.2	511	0.2		0.5	554	1.2	547	0.4	552	0.1	598	0.0		0.0		0.0		0.0		0.0		0.3	546	
1981		ND		0.2	514	0.3		0.8	480	0.8	537	1.4	541	0.1	521	<.1		0.0		0.0		0.0		0.0		0.4	536	
1982		ND		0.4	513	0.2		0.4	496	0.4	540	0.9	542	0.3	530	<.1		0.0		0.0		0.0		0.0		0.5	535	
1983		ND		0.2	544	<.1		0.3	537	2.0	530	0.9	537	0.1	536	<.1		0.0		0.0		0.0		0.0		0.5	534	
1984		ND		0.2	527	<.1		1.0	580	1.0	530	0.6	550	0.2	532	<.1		0.0		0.0		0.0		0.0		0.4	533	
1985		ND		0.3	532	<.1		0.4	467	0.4	537	0.1	557	0.1	507	<.1		0.0		0.0		0.0		0.0		0.2	530	
1986		0.2	490	0.4	515	0.3		0.3	533	0.3	554	0.4	529	0.4	534	<.1		0.0		0.0		0.0		0.0		0.3	528	
1987		<.1	509	0.4	552	0.1		0.2	539	0.2	565	0.1	567	0.2	550	<.1		0.0		0.0		0.0		0.0		0.2	551	
Gulf menhaden		1976	ND		0.2	261	ND		0.1	250	0.1	275	0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.1	261
		1977	ND		2.5	251	0.6		0.1	245	0.1	233	0.3	247	2.6	255	<.1		0.0		0.0		0.0		0.0		0.9	253
	1978	ND		0.3	242	<.1		0.2	245	1.2	258	0.0		0.2	263	<.1		0.0		0.0		0.0		0.0		0.4	256	
	1979	ND		1.2	251	0.0		0.1	251	<.1	132	<.1	241	0.1	255	0.2		0.0		0.0		0.0		0.0		0.3	251	
	1980	ND		<.1	193	0.0		<.1	252	0.1	287	<.1	271	<.1	257	0.6		0.0		0.0		0.0		0.0		0.1	265	
	1981	ND		0.4	260	0.0		0.2	254	0.1	252	0.2	254	0.1	243	0.1		0.0		0.0		0.0		0.0		0.2	255	
	1982	ND		0.4	254	0.0		<.1	248	0.3	252	0.1	249	<.1	250	0.4		0.0		0.0		0.0		0.0		0.2	257	
	1983	ND		0.8	252	0.0		0.2	251	0.2	243	0.1	244	0.1	248	0.1		0.0		0.0		0.0		0.0		0.3	252	
	1984	ND		0.5	254	0.0		0.1	251	0.2	279	0.2	246	0.1	257	<.1		0.0		0.0		0.0		0.0		0.2	256	
	1985	ND		0.8	253	<.1		0.5	242	0.3	243	0.4	250	0.6	250	<.1		0.0		0.0		0.0		0.0		0.5	252	
1986	0.1	279	1.3	251	<.1		0.1	242	0.1	244	0.2	245	0.4	258	<.1		0.0		0.0		0.0		0.0		0.4	251		
1987	<.1	348	1.2	245	<.1		<.1	241	<.1	226	<.1	226	<.1	242	<.1		0.0		0.0		0.0		0.0		0.3	253		

Table 2. (Cont'd.).

Species	Year	Bay system																			
		Sabine Lake				East				Corpus Christi				Lower Laguna Madre		Coastwide					
		No./h	Length	No./h	Length	Matagorda	Galveston	Matagorda	San Antonio	Aransas	Christi	Upper Laguna Madre	Lower Laguna Madre	No./h	Length	No./h	Length				
Hardhead catfish	1976	ND		3.1	318	ND		0.4	296	1.5	315	2.3	336	0.7	291	0.0	0.2	333	1.4	320	
	1977	ND		2.2	332	0.3	309	1.8	316	0.8	322	0.4	305	1.2	323	0.8	0.4	321	1.2	321	
	1978	ND		2.1	338	0.3	318	0.2	295	1.0	317	0.3	346	0.6	317	1.0	0.7	306	0.9	322	
	1979	ND		3.2	335	0.3	330	0.6	315	0.5	333	0.5	325	0.4	327	0.5	0.4	295	1.0	328	
	1980	ND		2.7	331	1.0	319	0.2	316	0.8	328	0.3	342	0.4	326	0.3	0.6	332	0.9	329	
	1981	ND		1.6	335	1.1	341	1.6	328	1.1	327	0.9	346	0.7	346	0.9	0.7	315	1.1	329	
	1982	ND		3.6	334	1.4	339	0.9	329	2.0	333	1.0	337	1.0	347	0.9	1.8	337	1.8	334	
	1983	ND		4.0	333	0.9	338	0.5	319	1.5	341	0.8	346	1.4	338	1.8	1.9	338	1.8	333	
	1984	ND		2.3	343	0.5	336	1.0	326	2.0	334	1.2	346	1.4	340	1.4	1.5	334	1.6	336	
	1985	ND		3.4	337	1.2	340	1.2	332	1.6	343	0.9	345	2.2	342	1.4	1.0	337	1.8	335	
	1986	0.8	320	3.3	334	1.8	345	1.4	326	1.3	343	0.6	351	1.4	333	0.7	1.4	364	1.6	338	
	1987	0.1	333	4.2	334	1.6	332	1.0	349	0.8	358	0.6	360	0.9	355	0.6	1.6	375	1.6	344	
	Pinfish	1976	ND		0.0		ND		0.0		0.0		0.0		0.0		0.0	0.0		0.0	222
		1977	ND		0.0		0.0		0.0		<.1	222	0.0		0.0		0.0	0.0		<.1	187
		1978	ND		0.0		0.0		0.0		<.1	196	0.0		0.0		<.1	<.1	165	<.1	256
		1979	ND		0.0		0.0		0.0		<.1		<.1	226	<.1	305	0.0	0.0		<.1	256
		1980	ND		0.0		0.0		0.0		0.0		0.0		0.0		0.0	0.0		0.0	214
1981		ND		0.0		<.1	230	0.0		<.1	246	<.1		0.0		<.1	<.1	200	<.1	214	
1982		ND		0.0		<.1	205	<.1	217	<.1	216	<.1		230	0.1	233	<.1	220	<.1	217	
1983		ND		<.1	210	0.0		0.0		0.0		<.1		160	<.1	248	<.1	199	<.1	219	
1984		ND		0.0		0.0		0.0		0.0		<.1		125	<.1	162	<.1	165	<.1	255	
1985		ND		0.0		0.0		0.0		0.0		<.1		237	<.1	178	<.1	178	<.1	179	
1986		0.0		0.0		0.0		0.0		0.0		<.1		174	<.1	168	<.1	252	0.0	196	
1987		0.0		0.0		0.0		0.0		0.0		<.1		160	<.1	234	<.1	184	<.1	186	
Spot		1976	ND		0.4	218	ND		0.0		0.0		0.0		0.3	233	0.0	0.1	230	0.1	222
		1977	ND		0.1	227	<.1	233	0.0		0.1	230	0.1	226	0.6	219	0.2	0.1	215	0.1	223
		1978	ND		<.1	225	<.1	256	<.1	232	0.1	242	<.1	259	0.2	214	0.1	0.1	234	0.1	228
		1979	ND		0.0		<.1	259	<.1	250	0.0		<.1	245	<.1	233	0.1	0.1	236	<.1	246
		1980	ND		0.0		<.1	233	0.0		<.1	239	0.0		0.1	247	0.1	0.1	234	<.1	239
	1981	ND		<.1	250	<.1	230	<.1	240	0.0		<.1	268	<.1	222	0.1	0.1	241	<.1	235	
	1982	ND		<.1	244	0.0		<.1	260	<.1	244	<.1	249	0.1	234	0.5	0.1	237	0.1	234	
	1983	ND		0.1	240	<.1	234	0.1	238	0.1	248	<.1	235	0.1	235	0.2	0.1	239	0.1	238	
	1984	ND		<.1	247	<.1	288	<.1	291	<.1	255	<.1	253	0.1	248	0.1	0.1	234	<.1	253	
	1985	ND		<.1	234	0.0		<.1	235	<.1	238	<.1	240	<.1	220	0.1	0.1	240	<.1	228	
	1986	<.1	250	<.1	233	<.1	249	<.1	240	<.1	232	<.1	224	0.1	216	0.1	0.1	238	<.1	232	
	1987	<.1	233	<.1	238	0.0		<.1	241	<.1	230	<.1	245	<.1	233	<.1	0.1	224	<.1	236	

Table 2. (Cont'd.).

Species	Year	Bay system																	
		Sabine Lake			Galveston			East			Upper Laguna Madre			Lower Laguna Madre			Coastwide		
		No./h	Length	No./h Length	No./h	Length	No./h Length	Matagorda	San Antonio	Aranzas	Corpus Christi	Upper Laguna Madre	Lower Laguna Madre	Coastwide					
Striped mullet	1976	ND		0.1	385	ND		0.2	338	0.6	366	0.0		<.1	375	0.0		0.2	358
	1977	ND		0.2	322	0.0		0.2	314	0.8	319	0.1	340	0.2	368	0.2	345	0.3	323
	1978	ND		0.0		0.1	327	0.2	334	0.2	327	0.2	366	<.1	327	0.1	354	0.2	338
	1979	ND		0.2	320	0.1	336	0.1	343	0.2	339	0.1	333	0.1	404	0.1	354	0.2	341
	1980	ND		0.1	343	<.1	338	0.4	335	0.1	337	0.1	320	0.2	379	0.2	356	0.2	343
	1981	ND		0.1	318	0.1	345	<.1	341	0.1	336	0.1	321	0.2	353	0.2	353	0.1	344
	1982	ND		0.2	344	0.2	295	0.2	326	0.2	333	0.2	344	0.2	359	0.3	361	0.2	341
	1983	ND		0.2	350	0.1	346	0.1	346	0.2	341	0.1	351	0.2	367	0.2	368	0.2	352
	1984	ND		0.2	344	0.2	340	0.3	328	0.4	337	0.1	336	0.6	352	0.5	347	0.3	342
	1985	ND		0.2	340	0.2	339	0.3	332	0.3	340	0.1	338	0.2	380	0.1	339	0.2	342
	1986	<.1	326	0.2	350	0.2	321	0.2	330	0.2	336	0.1	340	0.1	368	0.1	341	0.1	340
	1987	<.1	312	0.2	366	0.1	319	0.2	343	0.2	354	0.1	336	0.1	402	0.2	359	0.2	357
Other finfishes	1976	ND		0.3	619	ND		1.6	360	0.4	619	0.9	486	0.1	356	0.0		0.7	423
	1977	ND		2.5	320	0.2	479	1.9	524	0.7	504	0.5	712	0.4	363	0.4	388	1.2	416
	1978	ND		1.6	345	0.2	283	1.5	456	1.7	505	0.4	535	0.5	400	0.9	407	1.1	414
	1979	ND		1.0	403	0.2	402	1.2	419	1.1	520	0.6	510	0.4	341	0.2	342	0.7	439
	1980	ND		0.4	520	0.2	309	1.5	521	0.7	537	0.5	515	0.3	337	0.2	364	0.6	506
	1981	ND		0.8	351	0.9	277	1.6	459	2.1	483	0.9	475	0.5	323	0.5	329	1.0	425
	1982	ND		1.2	414	0.7	348	2.1	516	0.8	557	1.1	494	0.6	436	0.3	384	1.0	467
	1983	ND		1.0	419	0.5	312	1.2	525	0.9	529	0.9	510	1.1	445	0.2	375	0.6	406
	1984	ND		0.7	424	0.3	328	1.2	600	1.1	587	0.8	531	1.2	403	0.2	392	0.4	467
	1985	ND		0.9	434	0.4	556	1.7	577	0.6	813	0.8	658	0.5	410	0.4	373	0.4	440
	1986	2.7	514	1.2	381	0.4	294	1.3	579	0.2	661	0.5	580	0.7	350	0.2	482	0.4	440
	1987	1.2	607	0.7	389	0.3	458	0.8	547	0.3	521	0.6	539	0.2	443	0.1	480	0.3	394
Total finfishes	1976	ND		11.1	429	ND		5.2	394	7.6	391	9.5	415	6.2	332	1.1	378	7.1	419
	1977	ND		8.8	316	4.3	395	5.9	442	8.2	428	8.1	428	7.6	297	3.8	366	4.3	395
	1978	ND		5.0	357	2.4	359	4.8	437	7.7	409	2.0	406	3.4	343	4.6	365	5.0	406
	1979	ND		6.8	345	2.5	396	3.4	409	3.2	453	3.2	433	2.7	393	2.2	360	3.2	411
	1980	ND		5.0	380	4.2	347	5.4	428	5.2	422	3.1	405	2.8	367	3.9	368	3.5	419
	1981	ND		4.6	369	5.5	363	5.3	408	6.1	417	6.0	432	2.8	364	4.2	353	6.5	406
	1982	ND		8.1	378	4.7	368	5.3	435	6.8	411	5.8	417	4.6	400	4.5	367	8.8	394
	1983	ND		9.0	369	7.6	384	4.5	417	7.2	422	5.5	404	5.5	397	5.0	373	7.5	409
	1984	ND		6.2	389	3.7	397	4.3	449	5.6	431	3.9	432	4.8	397	3.2	369	4.6	412
	1985	ND		7.6	381	3.8	408	5.2	446	4.1	479	3.6	452	5.0	368	3.6	350	5.2	384
	1986	4.9	432	9.3	377	5.4	381	5.0	425	3.5	422	3.2	418	5.7	371	2.9	387	5.2	398
	1987	2.0	517	8.7	373	4.3	384	4.0	430	2.9	420	3.4	431	3.9	420	3.0	432	5.9	434

Table 3. Annual mean catch rate (No./ha) and mean total lengths (mm) of fishes caught with bag seines by bay system during 1977 -1987. Blank indicates no measurement taken; ND = no data.

Species	Year	Bay system																							
		Sabine Lake			Galveston			East			Corpus Christi			Upper Laguna Madre			Lower Laguna Madre			Coastwide					
		No./ha	Length	No./ha	Length	No./ha	Length	Matagorda	San Antonio	Aransas	Christi	No./ha	Length	No./ha	Length	No./ha	Length	No./ha	Length	No./ha	Length	No./ha	Length		
Red drum	1977 ^a	ND		20	35	ND	8	51	85	51	44	1	41	0	1	39	18	46							
	1978	ND		3	67	ND	4	43	13	51	94	3	67	11	58	17	52	7	58						
	1979	ND		17	62	ND	6	92	11	67	4	18	85	27	66	15	64	14	70						
	1980	ND		59	74	ND	8	68	28	50	5	16	75	4	82	15	72	23	70						
	1981	ND		26	52	ND	9	86	29	53	30	40	46	5	46	45	56	26	52						
	1982	ND		53	62	ND	9	76	19	102	26	21	62	1	55	16	89	24	76						
	1983	ND		47	67	11 ^b	4	70	7	99	12	7	88	2	59	41	92	20 ^b	78						
	1984	ND		13	66	6	70	2	108	12	56	4	100	4	52	4	73	6	69						
	1985	ND		3	131	10	106	7	96	7	114	19	82	9	67	1	61	17	86						
	1986	19		8	87	8	86	2	78	6	105	1	117	4	98	3	84	22	94						
	1987	6		45	58	47	61	16	88	15	89	9	59	7	71	32	63	21	66						
	Spotted seatrout	1977 ^a	ND		35	87	ND	39	84	50	73	1	99	7	84	16	83	5	85	23	82				
		1978	ND		35	52	ND	6	86	11	69	8	50	4	59	14	93	2	52	14	61				
1979		ND		37	79	ND	3	83	12	70	7	68	12	53	14	80	2	86	14	75					
1980		ND		17	72	ND	3	84	21	71	11	74	11	79	3	56	<1	60	10	73					
1981		ND		16	85	ND	6	110	9	68	13	70	12	65	4	73	6	84	10	80					
1982		ND		37	82	ND	7	99	19	62	15	76	4	75	5	78	3	76	15	79					
1983		ND		26	84	4 ^b	7	73	8	72	14	81	4	79	4	101	4	80	11 ^b	82					
1984		ND		6	71	2	85	4	77	1	83	10	74	1	54	1	88	5	98	4	77				
1985		ND		5	80	24	73	11	87	4	64	24	61	3	50	9	70	2	78	9	70				
1986		2		2	85	17	66	5	71	5	78	12	60	4	68	1	72	2	58	5	68				
1987		2		92	73	14	68	3	82	19	70	13	69	10	76	1	104	3	63	11	72				
Black drum		1977 ^a	ND		0		ND	11	147	6	179	1	142	1	150	0	106	0	156	3	156				
		1978	ND		36	95	ND	9	112	22	110	2	165	1	122	4	106	0	102	13	102				
	1979	ND		40	83	ND	12	106	5	97	1	85	8	89	6	140	18	98	16	92					
	1980	ND		4	93	ND	4	102	0	0	2	100	2	75	3	95	1	142	3	97					
	1981	ND		12	122	ND	11	110	2	141	5	141	2	113	11	44	6	130	8	108					
	1982	ND		4	124	ND	5	138	9	90	7	94	1	109	<1	155	2	117	4	110					
	1983	ND		23	91	3 ^b	3	118	1	132	2	145	2	108	1	107	<1	141	6 ^b	98					
	1984	ND		8	108	1	103	3	156	0	122	1	140	0	68	1	82	0	115	2	115				
	1985	ND		4	141	3	83	3	113	1	149	0	124	1	96	6	86	1	145	1	110				
	1986	2		2	107	5	85	0	85	1	118	0	0	<1	145	2	78	1	89	6	72				
	1987	0		1	106	0	4	130	1	118	1	0	0	6	74	44	63	1	89	6	72				

Table 3. (Cont'd.)

Species	Year	Bay System																			
		Sabine Lake				East				Corpus Christi				Upper Laguna Madre		Lower Laguna Madre		Coastwide			
		No./ha	Length	No./ha	Length	Mataorda	Galveston	Mataorda	San Antonio	Aransas	Corpus Christi	Upper Laguna Madre	Lower Laguna Madre	No./ha	Length	No./ha	Length	No./ha	Length		
Sheeps-head	1977 ^a	ND		ND	0	2	128	0	0	0	0	0	0	0	0	0	0	0	<1	128	
	1978	ND		ND	0	<1	86	<1	68	1	54	1	59	1	122	2	61	1	70	70	
	1979	ND		ND	15	1	94	6	63	2	56	13	41	0	0	1	50	6	61	61	
	1980	ND		ND	1	1	163	1	41	1	51	0	0	0	0	1	60	1	86	86	
	1981	ND		ND	1	1	68	0	0	1	95	1	41	0	0	1	92	1	101	101	
	1982	ND		ND	1	1	174	0	3	67	<1	62	<1	50	0	0	0	1	90	90	
	1983	ND		ND	1	1	23	93	<1	50	1	102	<1	99	0	3	52	1	52	52	
	1984	ND		ND	0	1	178	<1	90	1	30	<1	36	<1	30	0	0	0	<1	43	43
	1985	ND		ND	2	2	20	1	58	3	39	1	35	0	0	2	57	1	43	43	
	1986	0		ND	<1	1	114	<1	203	1	48	1	50	0	0	1	73	<1	80	80	
	1987	0		ND	0	1	91	<1	94	<1	53	0	0	0	0	1	47	<1	64	64	
	Southern flounder	1977 ^a	ND		ND	0	1	171	0	0	0	0	0	0	0	0	0	0	0	<1	171
		1978	ND		ND	9	<1	43	4	67	<1	98	1	44	1	128	1	46	3	42	42
		1979	ND		ND	1	<1	135	2	85	0	0	1	122	2	46	1	38	1	71	71
1980		ND		ND	10	54	1	38	2	55	0	3	64	1	43	5	38	4	51	51	
1981		ND		ND	5	57	7	79	2	53	2	90	1	67	1	66	11	55	4	64	
1982		ND		ND	9	67	3	82	6	56	18	37	2	62	1	53	13	39	8	51	
1983		ND		ND	10	46	2	54	3	58	6	39	1	34	0	0	3	45	4	46	
1984		ND		ND	2	83	2	69	1	78	1	67	3	45	1	86	1	64	2	69	
1985		ND		ND	4	58	3	112	1	43	7	55	5	55	<1	71	2	67	3	64	
1986		2	83	4	83	6	70	19	66	2	78	4	64	2	54	1	79	12	44	6	63
1987		2	47	20	51	9	54	1	62	3	44	1	103	1	37	1	69	3	56	6	53
Atlantic croaker		1977 ^a	ND		ND	20	0	0	0	0	1	36	11	50	1	181	4	83	6	88	88
		1978	ND		ND	320	61	59	10	100	37	73	1	30	11	86	29	38	122	61	61
		1979	ND		ND	463	52	109	74	52	49	7	76	25	65	3	92	221	44	162	53
	1980	ND		ND	1085	55	82	69	17	89	16	56	24	49	1	40	198	42	290	54	
	1981	ND		ND	528	57	24	94	26	73	26	42	20	55	1	112	32	46	136	58	
	1982	ND		ND	1812	61	165	74	68	67	142	61	32	54	<1	49	53	471	62	62	
	1983	ND		ND	888	55	236	66	67	80	63	62	6	61	2	86	49	51	254 ^b	58	
	1984	ND		ND	807	59	210	64	483	60	25	83	150	68	4	102	133	59	402	60	
	1985	ND		ND	242	64	299	72	13	88	46	78	4	76	11	87	87	42	122	66	
	1986	126	74	148	77	198	68	2138	52	18	99	12	72	12	78	<1	89	62	364	55	
	1987	79	70	335	54	110	56	207	78	33	47	9	81	4	40	<1	60	10	62	113	

Table 3. (Cont'd.)

Species	Year	Bay system																	
		Sabine Lake				East				Corpus Christi				Upper Laguna Madre		Lower Laguna Madre		Coastwide	
		No./ha	Length	No./ha	Length	Galveston	Matagorda	Matagorda	San Antonio	Aransas	Christi	No./ha	Length	No./ha	Length	No./ha	Length	No./ha	Length
Pinfish	1977 ^a	ND		0		0	24	105	22	105	66	93	167	102	13	101	39	103	
	1978	ND		116	55	ND	61	77	54	74	133	69	41	84	7	64	65	65	
	1979	ND		73	75	ND	79	60	47	85	81	61	14	122	1	107	47	77	
	1980	ND		151	38	ND	16	50	363	58	167	66	250	61	17	88	153	59	
	1981	ND		270	55	ND	68	69	131	70	107	85	267	40	84	132	75	151	
	1982	ND		144	67	ND	34	66	603	55	448	67	265	62	100	73	349	57	
	1983	ND		138	65	61 ^b	115	80	514	49	642	68	532	25	82	211	67	279 ^b	
	1984	ND		245	59	180	64	107	71	396	66	457	62	214	54	146	79	120	
	1985	ND		362	55	401	65	209	71	396	66	274	66	133	68	261	66	280	
	1986	64	74	183	61	676	64	117	58	161	66	696	59	304	58	329	63	287	
	1987	8	72	50	64	227	57	44	68	442	63	321	67	463	58	340	64	206	
	Spot	1977 ^a	ND		56	100	ND	23	118	0	2	170	12	100	0	1	125	18	105
		1978	ND		407	52	ND	187	49	361	80	55	310	47	227	59	149	52	253
1979		ND		352	42	ND	21	64	201	58	60	210	55	107	70	57	59	156	
1980		ND		269	57	ND	76	56	256	51	100	61	95	86	59	165	48	160	
1981		ND		331	52	ND	154	57	135	64	97	54	121	61	115	63	220	67	
1982		ND		404	62	ND	143	58	467	52	623	54	225	60	180	58	340	66	
1983		ND		499	57	50 ^b	95	58	171	47	350	56	135	55	57	60	526	63	
1984		ND		236	53	96	146	58	249	46	644	56	564	58	493	66	948	67	
1985		ND		179	62	158	216	59	274	44	254	64	228	55	80	77	169	54	
1986		118	65	135	68	319	56	825	51	102	58	258	51	160	60	114	55	614	
1987		19	80	264	60	383	60	83	58	203	49	476	58	359	49	307	47	240	
Striped mullet		1977 ^a	ND		31	140	ND	129	106	129	117	132	179	156	15	62	103	74	126
		1978	ND		56	120	ND	26	124	126	66	103	122	76	53	105	81	74	90
	1979	ND		135	89	ND	93	99	273	66	152	103	202	135	383	53	174	81	
	1980	ND		90	117	ND	16	107	41	121	102	49	88	57	70	95	85	61	
	1981	ND		229	57	ND	42	92	249	84	205	81	80	85	31	161	98	152	
	1982	ND		128	66	ND	553	118	181	77	177	85	29	110	24	43	94	174	
	1983	ND		85	94	62 ^b	26	136	57	64	110	106	37	61	15	44	84	58 ^b	
	1984	ND		51	95	33	34	53	69	73	99	57	142	52	154	68	265	96	
	1985	ND		75	110	199	89	49	22	134	95	58	22	62	70	53	119	81	
	1986	84	103	34	134	20	144	23	86	37	93	22	91	62	23	57	41	66	
	1987	48	98	244	56	60	89	33	96	63	115	127	73	141	94	72	103	116	

Figure 1. Sabine Lake System.

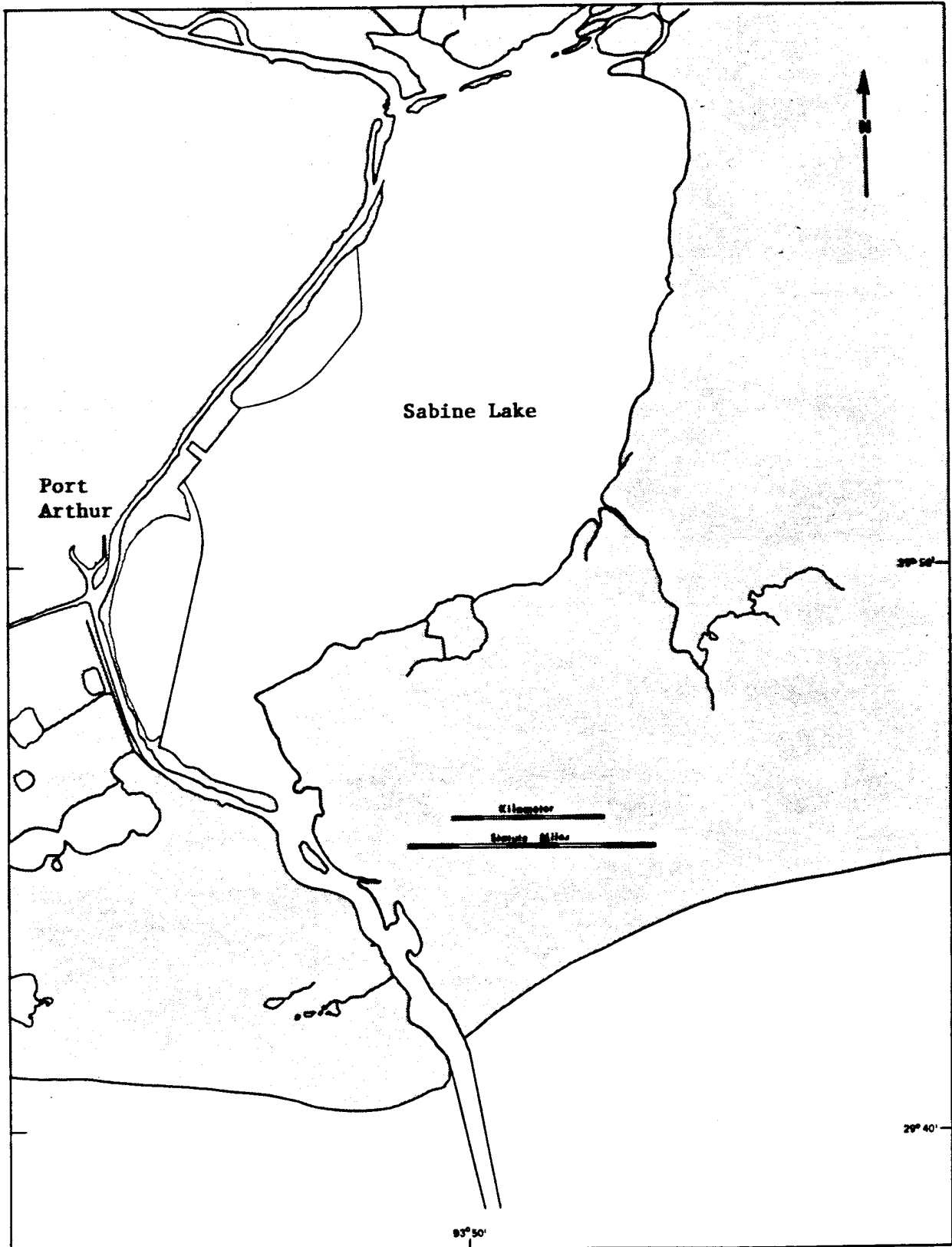
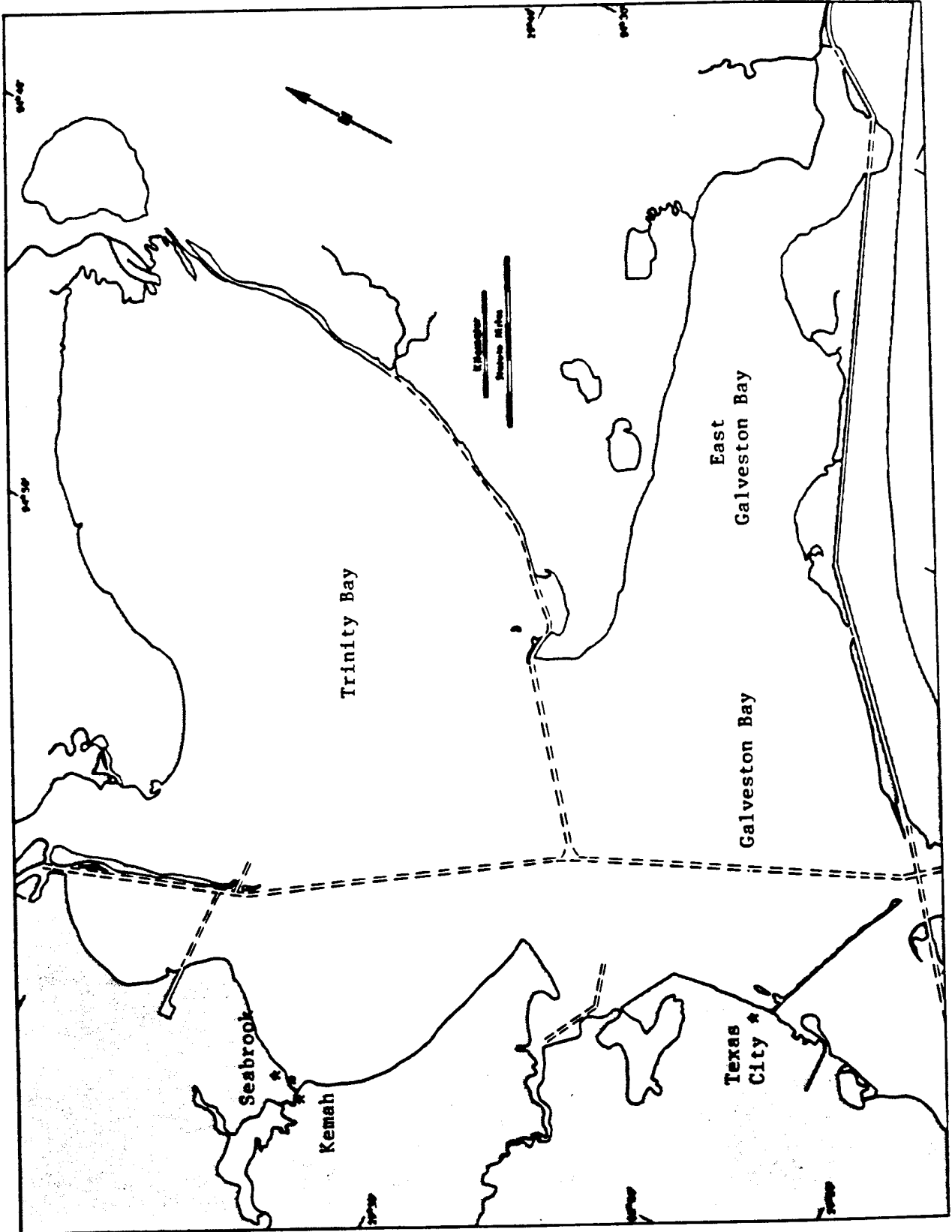


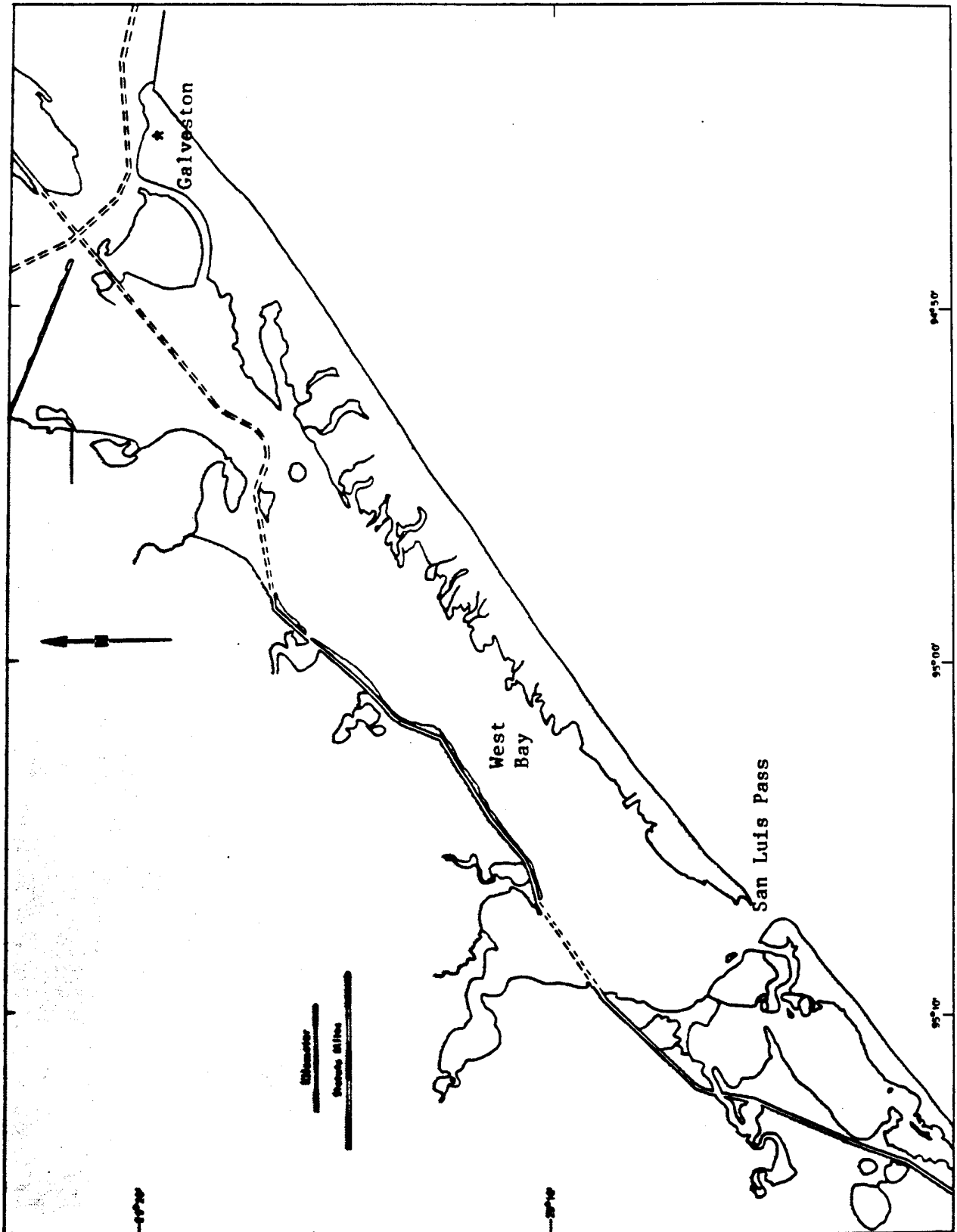
Figure 2. Galveston Bay System.

(A) Trinity, upper Galveston and East Bays

(B) West Bay



(A)

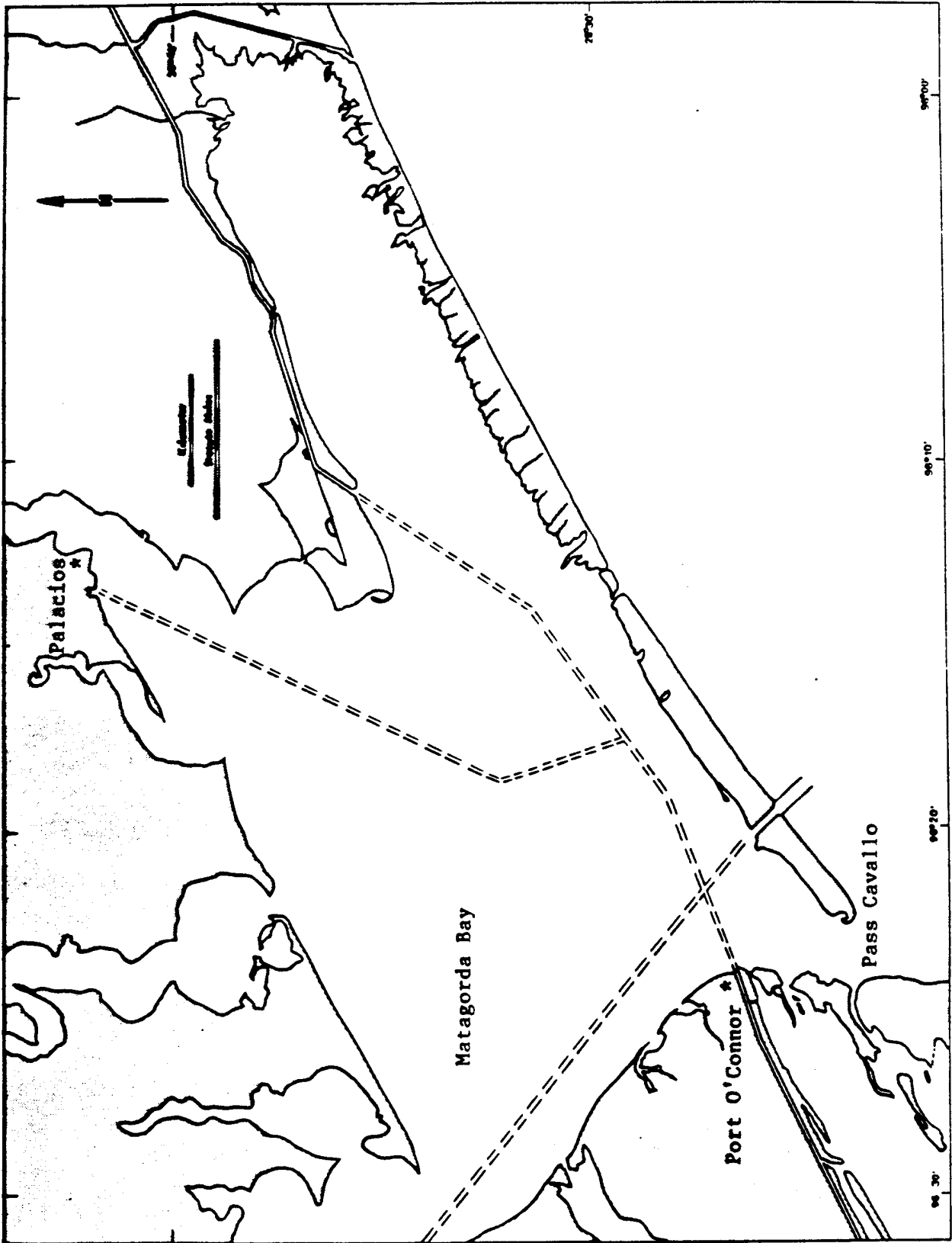


(B)

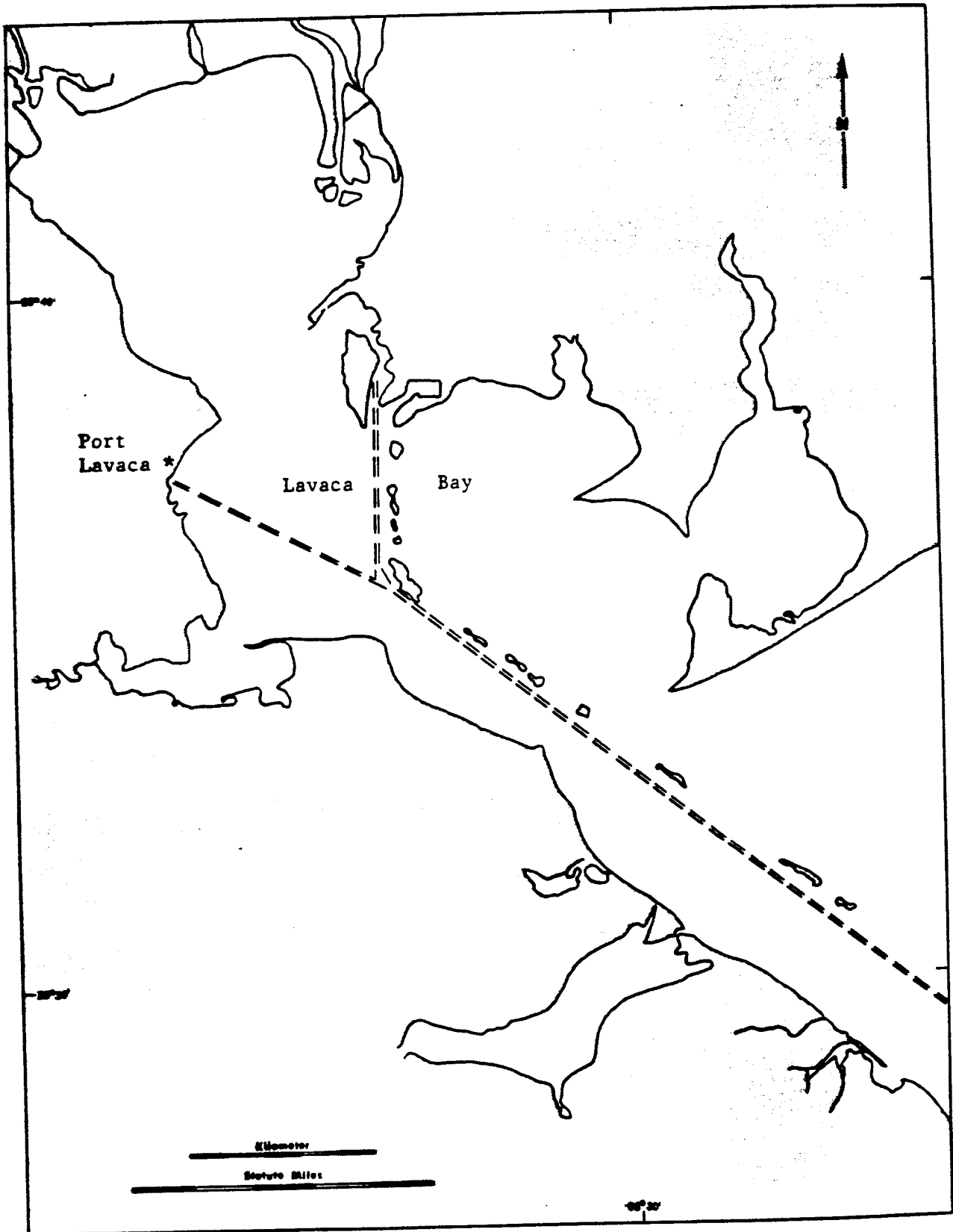
Figure 3. Matagorda Bay System.

(A) Matagorda Bay

(B) Lavaca Bay



(A)



(B)

Figure 4. San Antonio Bay System.

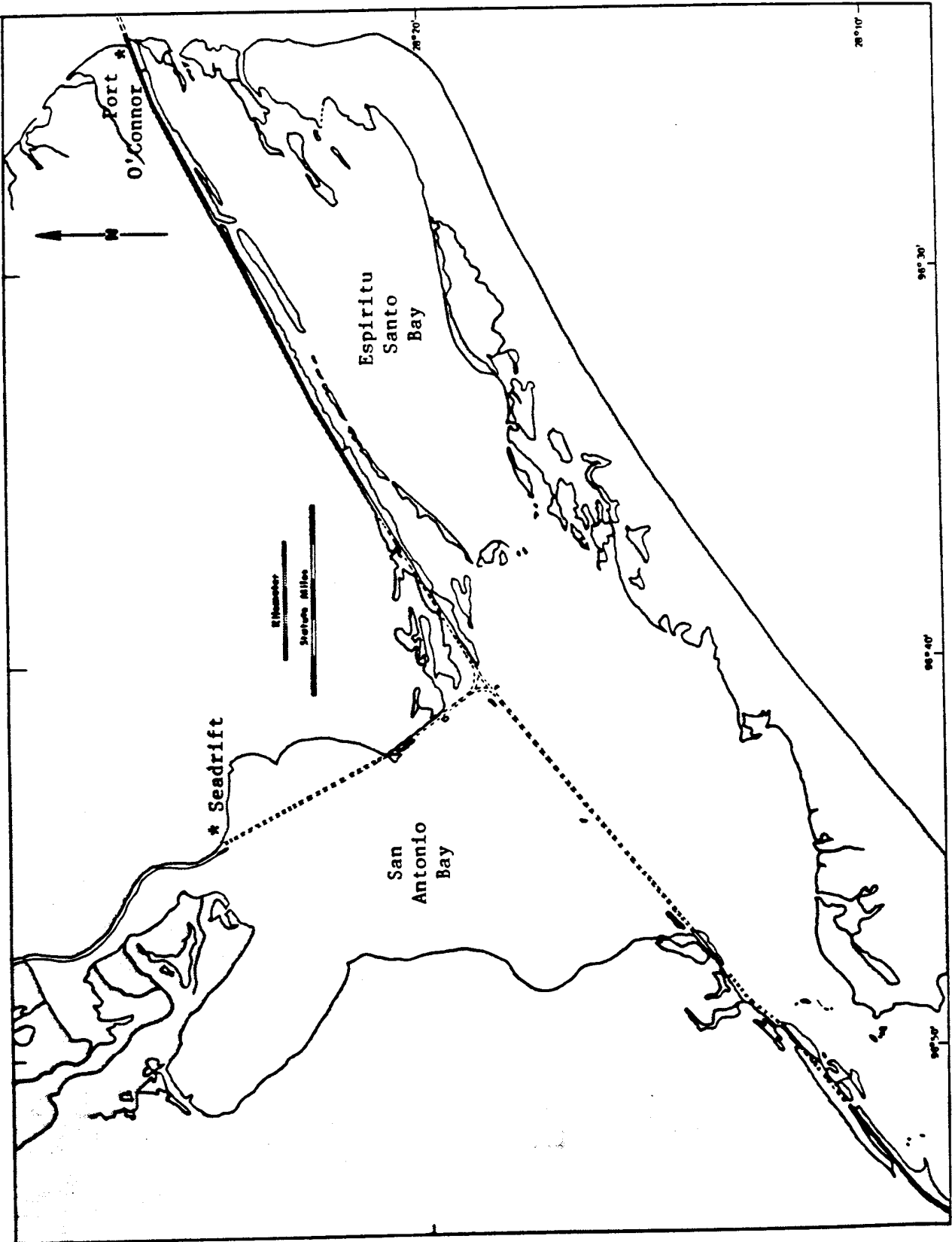


Figure 5. Aransas Bay System.

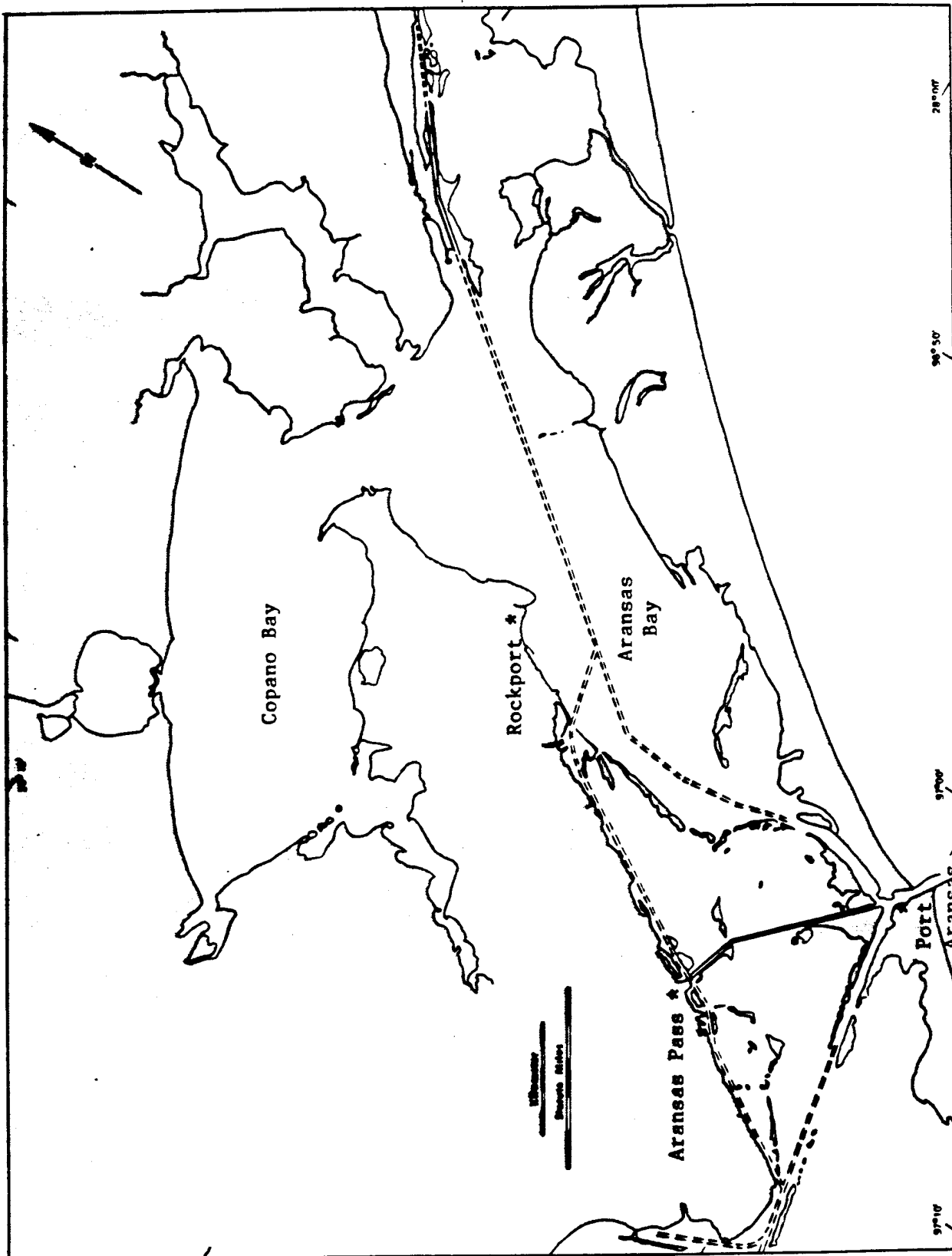


Figure 6. Corpus Christi Bay System.

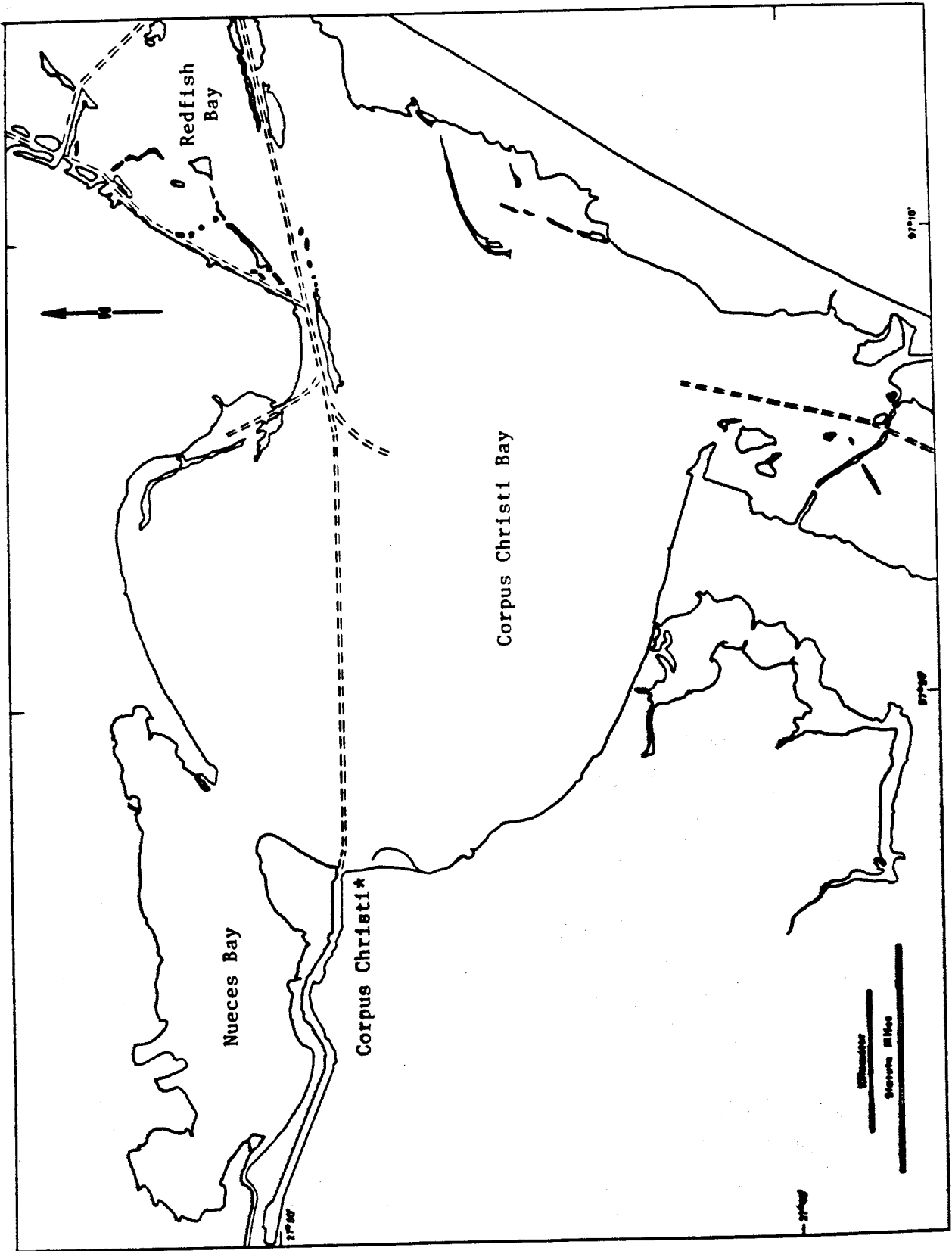


Figure 7. Upper Laguna Madre System.

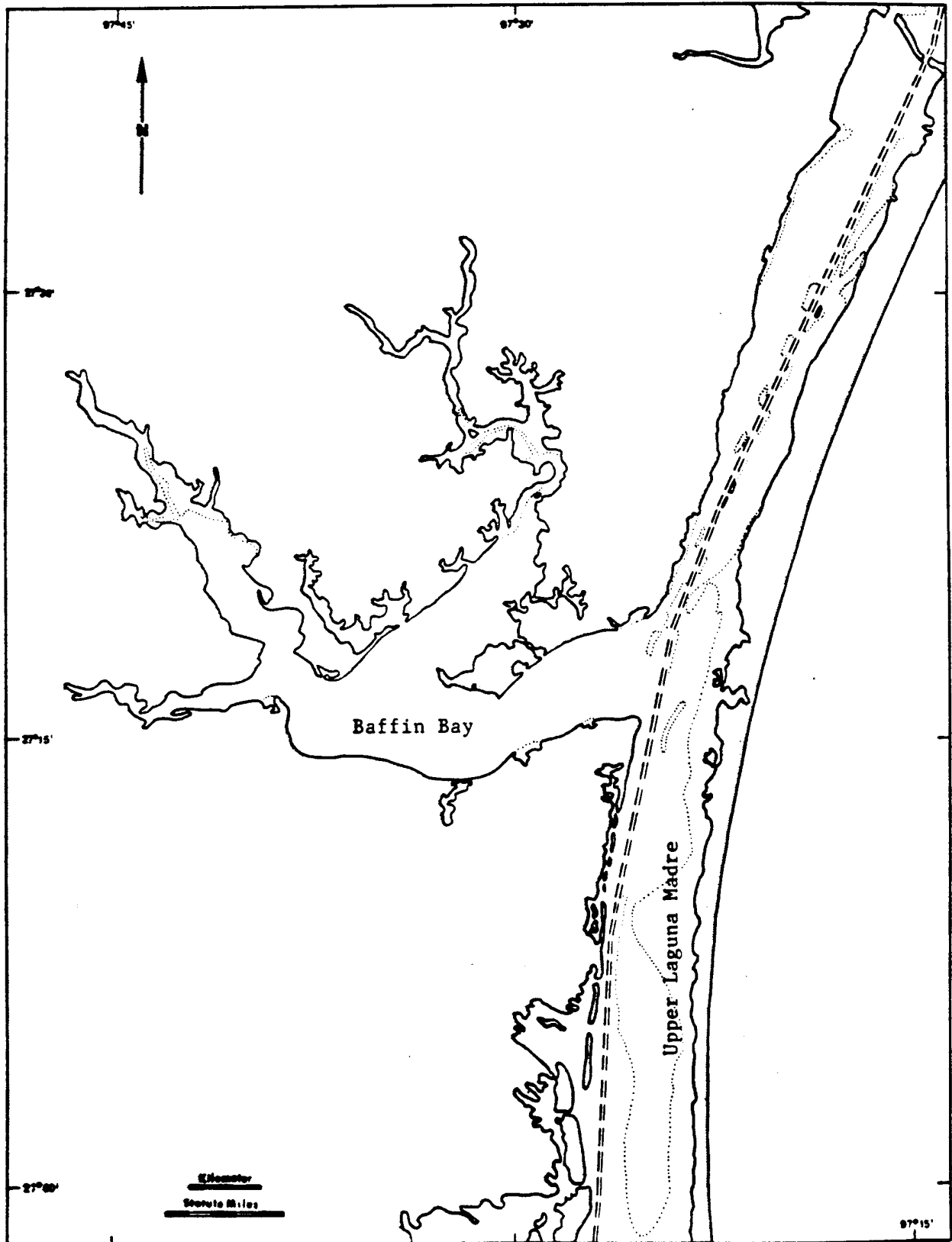
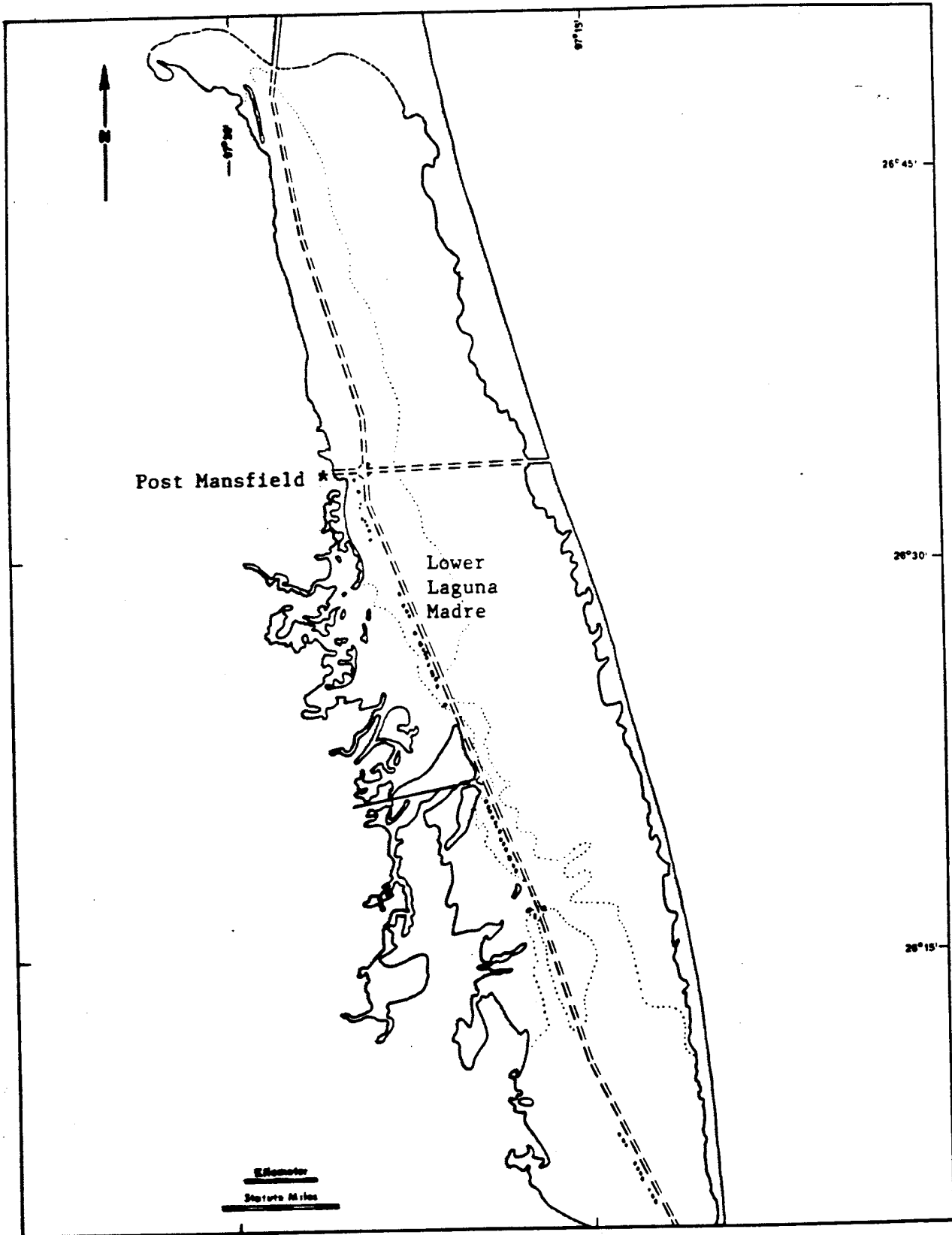


Figure 8. Lower Laguna Madre System.

(A) Lower Laguna Madre

(B) South Bay



(A)

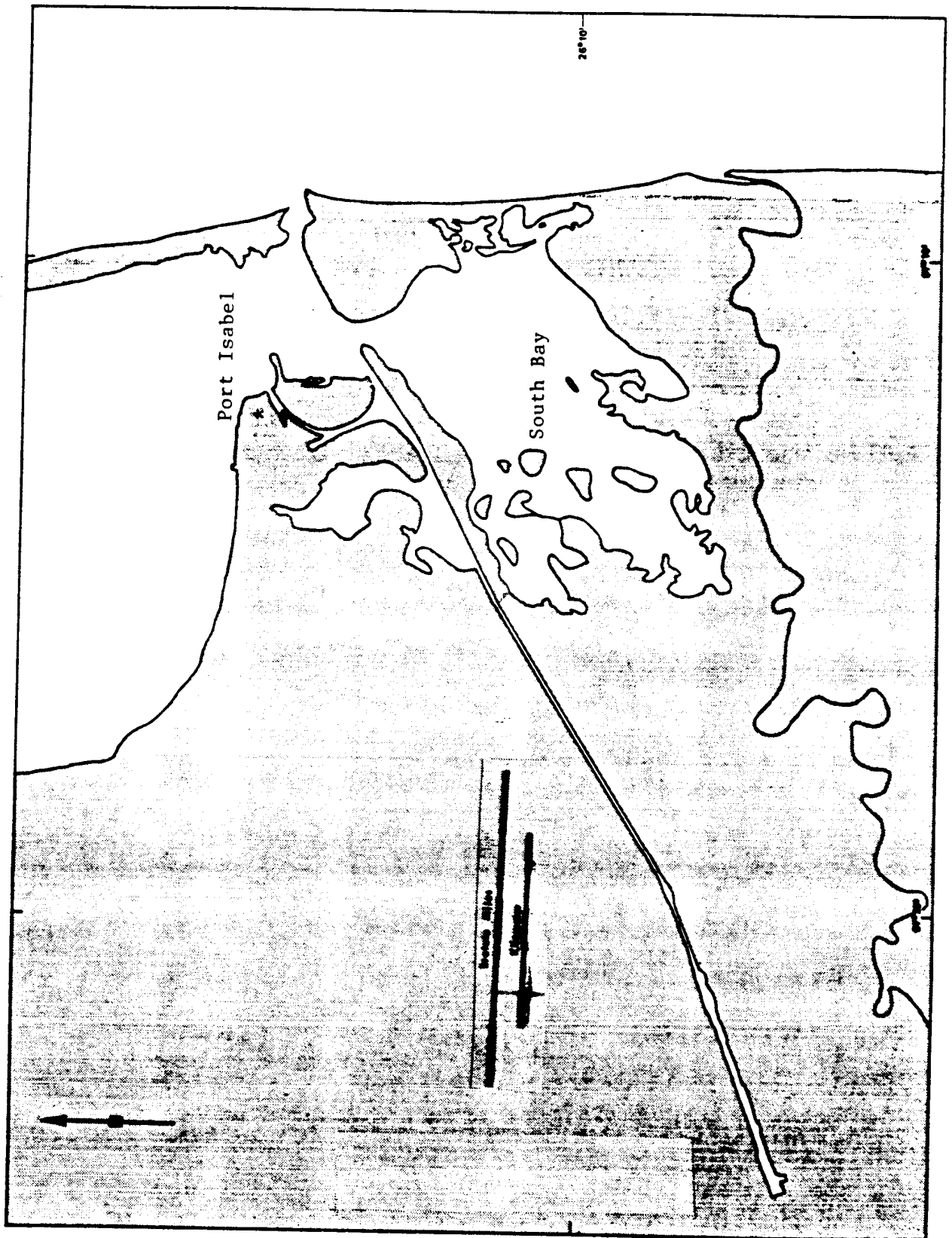
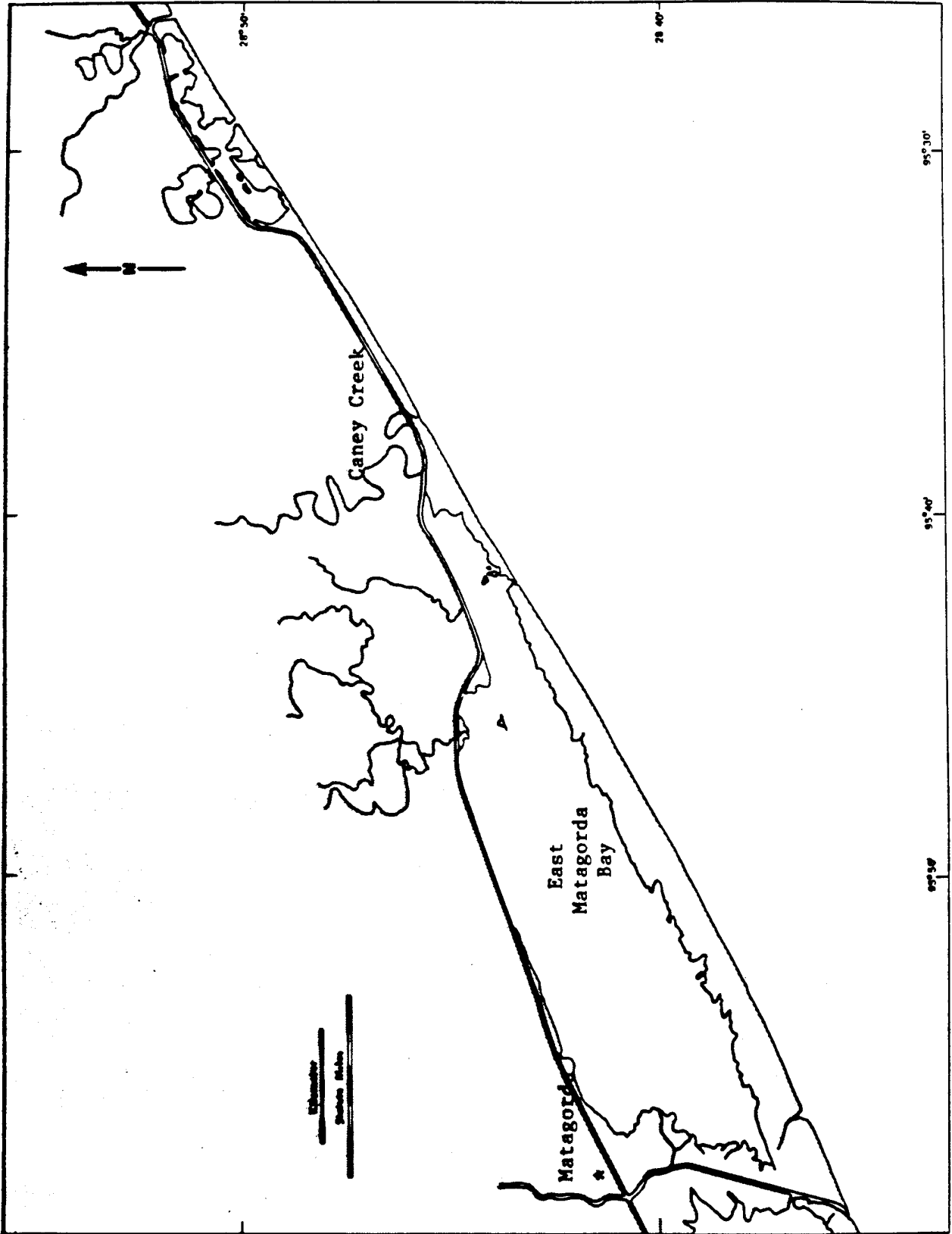


Figure 9. East Matagorda Bay System.



Appendix A. Mean gill net catch rates (No./h) and mean total lengths (mm) by mesh size for selected fishes by season and bay system.

Table A.1. Mean catch rates (No./h) and mean total lengths (mm) by mesh size for selected fishes caught with gill nets in the Sabine Lake system during fall 1986-1987. Blank indicates no measurement taken.

Species	Year	Mesh size											
		7.6-cm		10.2-cm		12.7-cm		15.2-cm					
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length
Red drum	1986	0.2	368	0.1	464	0.1	594	0.1	594	0.1	660	0.1	660
	1987	0.2	353	0.1	456	0.1	585	0.1	585	<.1	672	<.1	672
Spotted seatrout	1986	0.1	372	<.1	490	<.1	420	<.1	420	0.0		0.0	
	1987	0.1	384	<.1	494	<.1	499	<.1	499	0.0		0.0	
Black drum	1986	0.1	245	0.1	332	0.1	386	0.1	386	0.1	475	0.1	475
	1987	<.1	255	0.1	321	0.1	389	0.1	389	0.1	457	0.1	457
Sheepshead	1986	<.1	258	<.1	400	<.1	302	<.1	302	0.0	416	0.0	416
	1987	0.0		0.0		<.1	376	<.1	376	<.1		<.1	
Southern flounder	1986	<.1	238	<.1	286	<.1	321	<.1	321	<.1	354	<.1	354
	1987	<.1	276	<.1	294	<.1	383	<.1	383	<.1	402	<.1	402
Atlantic croaker	1986	0.1	280	<.1	334	0.0	322	0.0	322	<.1	255	<.1	255
	1987	0.1	272	<.1	331	<.1		<.1		<.1	260	<.1	260
Sand seatrout	1986	<.1	308	<.1	249	<.1	275	<.1	275	0.0		0.0	
	1987	<.1	300	0.0		0.0		0.0		0.0		0.0	
Gafftopsail catfish	1986	<.1	359	<.1	453	<.1	508	<.1	508	<.1	491	<.1	491
	1987	<.1	332	<.1	469	<.1	311	<.1	311	<.1	489	<.1	489
Gulf menhaden	1986	0.1	237	<.1	294	<.1	213	<.1	213	<.1	227	<.1	227
	1987	0.1	245	<.1	236	0.0		0.0		0.0		0.0	
Hardhead catfish	1986	0.1	331	<.1	320	<.1	374	<.1	374	<.1	370	<.1	370
	1987	0.1	323	<.1	287	<.1	316	<.1	316	<.1		0.0	

Table A.1. (Cont'd.)

Species	Year	Mesh size											
		7.6-cm		10.2-cm		12.7-cm		15.2-cm					
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length
Pinfish	1986	<.1	51	0.0		0.0		0.0		0.0		0.0	
	1987	0.0		0.0		0.0		0.0		0.0		0.0	
Spot	1986	0.1	233	0.0									
	1987	0.1	234	<.1	210	0.0		0.0		0.0		0.0	
Striped mullet	1986	<.1	322	<.1	359	0.0		0.0		0.0		0.0	
	1987	<.1	325	0.0		0.0		0.0		0.0		0.0	
Other finfishes	1986	0.4	333	0.2	422	0.1	924	0.1	924	0.1	1023	0.1	1023
	1987	0.3	452	0.3	460	0.1	897	0.1	897	0.1	978	0.1	978
Total finfishes	1986	1.3	314	0.6	392	0.4	506	0.4	506	0.2	641	0.2	641
	1987	1.1	349	0.6	421	0.3	566	0.3	566	0.2	665	0.2	665

Table A.2. Mean catch rates (No./h) and mean total lengths (mm) by mesh size for selected fishes caught with gill nets in the Galveston Bay system during fall 1975-1987. Blank indicates no measurement taken.

Species	Year	Mesh size											
		7.6-cm		10.2-cm		12.7-cm		15.2-cm		15.2-cm		15.2-cm	
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length
Red drum	1975	0.6	375	0.4	427	<.1	563	<.1	563	<.1	620	<.1	620
	1976	<.1	401	0.3	413	0.3	546	0.3	546	0.3	597	0.3	597
	1977	0.2	390	0.2	431	0.1	525	0.1	525	<.1	660	<.1	660
	1978	0.2	358	0.1	422	<.1	536	<.1	536	<.1	633	<.1	633
	1979	0.6	368	0.1	446	<.1	587	<.1	587	<.1	622	<.1	622
	1980	0.3	368	0.1	460	0.1	572	0.1	572	<.1	608	<.1	608
	1981	0.3	365	0.1	465	0.1	549	0.1	549	<.1	622	<.1	622
	1982	0.4	381	0.1	454	0.1	578	0.1	578	<.1	610	<.1	610
	1983	0.4	385	0.1	463	0.1	565	0.1	565	<.1	628	<.1	628
	1984	0.4	382	0.2	449	0.1	588	0.1	588	0.1	646	0.1	646
	1985	0.5	344	0.2	437	0.1	591	0.1	591	0.1	634	0.1	634
	1986	0.2	374	0.3	456	0.2	590	0.2	590	<.1	661	<.1	661
	1987	0.2	360	0.2	471	0.1	583	0.1	583	<.1	611	<.1	611
	Spotted seatrout	1975	0.1	372	<.1	540	<.1	619	<.1	619	<.1	465	<.1
1976		0.2	387	0.1	476	0.1	607	0.1	607	0.0	649	0.0	649
1977		0.1	412	0.1	509	<.1	578	<.1	578	<.1	670	<.1	670
1978		<.1	377	0.1	518	0.1	608	0.1	608	<.1	711	<.1	711
1979		0.1	403	<.1	496	<.1	591	<.1	591	<.1	709	<.1	709
1980		0.2	410	0.1	510	<.1	635	<.1	635	<.1	593	<.1	593
1981		0.1	408	0.1	539	0.1	617	0.1	617	<.1	596	<.1	596
1982		0.2	401	0.1	535	0.1	592	0.1	592	0.0	609	0.0	609
1983		0.2	396	0.1	534	0.1	612	0.1	612	<.1	513	<.1	513
1984		0.2	398	0.1	532	0.1	616	0.1	616	<.1	649	<.1	649
1985		0.2	390	0.1	534	0.1	627	0.1	627	<.1	700	<.1	700
1986		0.2	386	0.1	529	0.1	592	0.1	592	<.1	649	<.1	649
1987		0.1	384	0.1	513	0.1	627	0.1	627	<.1	700	<.1	700

Table A.2. (Cont'd.).

Species	Year	Mesh size															
		7.6-cm		10.2-cm		12.7-cm		15.2-cm		7.6-cm		10.2-cm		12.7-cm		15.2-cm	
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length
Black drum	1975	0.2	220	0.2	360	<.1	668	<.1	581	0.0	220	0.2	360	<.1	668	<.1	581
	1976	0.1	219	0.1	278	0.1	408	0.1	453	0.0	219	0.1	278	0.1	408	0.1	453
	1977	<.1	210	0.1	318	0.2	382	0.2	500	<.1	210	0.1	318	0.2	382	0.1	500
	1978	0.0		0.1	317	0.2	398	0.2	444	0.0		0.1	317	0.2	398	0.1	444
	1979	<.1	240	<.1	313	<.1	438	<.1	489	<.1	240	<.1	313	<.1	438	0.1	489
	1980	<.1	304	0.3	328	0.2	426	0.2	472	<.1	304	0.3	328	0.2	426	0.2	472
	1981	<.1	287	0.1	356	0.1	440	0.1	481	<.1	287	0.1	356	0.1	440	0.1	481
	1982	0.1	260	0.3	327	0.2	391	0.2	469	0.1	260	0.3	327	0.2	391	0.1	469
	1983	<.1	294	0.1	334	<.1	409	<.1	462	<.1	294	0.1	334	<.1	409	0.1	462
	1984	0.1	245	0.1	335	0.2	426	0.2	483	0.1	245	0.1	335	0.2	426	0.2	483
	1985	0.1	234	0.2	328	0.3	409	0.3	484	0.1	234	0.2	328	0.3	409	0.2	484
	1986	0.1	226	0.1	343	0.3	396	0.3	471	0.1	226	0.1	343	0.3	396	0.2	471
	1987	0.1	220	0.1	373	0.1	406	0.1	485	0.1	220	0.1	373	0.1	406	0.1	485
	Sheepshead	1975	0.0		0.0		<.1	358	<.1	432	0.0		0.0		<.1	358	<.1
1976		0.0		<.1	308	<.1	309	<.1	386	0.0		<.1	308	<.1	309	<.1	386
1977		0.0		0.0		<.1	354	<.1	340	0.0		<.1		<.1	354	<.1	340
1978		<.1	383	<.1	238	<.1	286	<.1	346	<.1	383	<.1	238	<.1	286	<.1	346
1979		0.0		<.1	225	<.1	337	<.1	427	0.0		<.1	225	<.1	337	<.1	427
1980		<.1	150	<.1	234	<.1	324	<.1	339	<.1	150	<.1	234	<.1	324	<.1	339
1981		<.1	338	<.1	254	<.1	340	<.1	360	<.1	338	<.1	254	<.1	340	<.1	360
1982		<.1	320	<.1	301	<.1	314	<.1	359	<.1	320	<.1	301	<.1	314	<.1	359
1983		<.1	366	<.1	218	<.1	338	<.1	368	<.1	366	<.1	218	<.1	338	<.1	368
1984		<.1	243	0.0		<.1	355	<.1	390	<.1	243	0.0		<.1	355	<.1	390
1985		0.0		<.1	354	<.1	369	<.1	401	0.0		<.1	354	<.1	369	<.1	401
1986		<.1	398	<.1	254	<.1	339	<.1	399	<.1	398	<.1	254	<.1	339	<.1	399
1987		<.1	396	<.1	281	<.1	358	<.1	438	<.1	396	<.1	281	<.1	358	<.1	438

Table A.2. (Cont'd.).

Species	Year	Mesh size											
		7.6-cm		10.2-cm		12.7-cm		15.2-cm		15.2-cm		15.2-cm	
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length
Southern flounder	1975	<.1	245	0.0		<.1		<.1	352	0.0		<.1	421
	1976	<.1	385	<.1	270	<.1		<.1	364	<.1		<.1	391
	1977	0.1	277	0.1	312	0.1		0.1	352	<.1		<.1	475
	1978	0.0		<.1	328	<.1		<.1	362	<.1		<.1	420
	1979	<.1	272	<.1	253	<.1		<.1	478	<.1		<.1	385
	1980	<.1	354	<.1	304	0.1		0.1	373	<.1		<.1	428
	1981	<.1	290	<.1	294	<.1		<.1	336	<.1		<.1	379
	1982	<.1	351	0.1	313	<.1		<.1	361	<.1		<.1	412
	1983	<.1	272	<.1	339	<.1		<.1	350	<.1		<.1	378
	1984	<.1	270	<.1	319	<.1		<.1	370	<.1		<.1	402
	1985	<.1	250	<.1	319	<.1		<.1	363	<.1		<.1	427
	1986	<.1	280	<.1	336	<.1		<.1	386	<.1		<.1	422
	1987	<.1	277	<.1	303	<.1		<.1	358	<.1		<.1	
	Atlantic croaker	1975	<.1	245	0.0		0.0		0.0		0.0		0.0
1976		0.2	260	<.1	328	0.0		0.0		0.0		0.0	
1977		0.1	261	<.1	321	<.1		<.1	388	0.0		0.0	
1978		0.1	270	<.1	320	0.0		0.0		0.0		0.0	
1979		<.1	268	<.1	280	0.0		0.0		0.0		0.0	
1980		0.2	276	<.1	316	0.0		0.0		0.0		0.0	
1981		0.2	271	<.1	342	<.1		<.1	324	<.1		<.1	263
1982		0.3	274	<.1	329	<.1		<.1	312	0.0		0.0	
1983		0.2	272	<.1	336	<.1		<.1	302	<.1		<.1	261
1984		0.2	270	<.1	329	<.1		<.1	280	0.0		0.0	
1985		0.5	264	0.1	332	<.1		<.1	231	<.1		<.1	289
1986		0.4	274	<.1	337	<.1		<.1	265	0.0		0.0	
1987		0.6	274	0.1	328	<.1		<.1	252	0.0		0.0	

Table A.2. (Cont'd.).

Species	Year	Mesh size												
		7.6-cm		10.2-cm		12.7-cm		15.2-cm						
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	
Gulf menhaden	1975	0.2	257	0.2	284	0.1	279	0.1	279	0.1	280	0.1	280	
	1976	1.7	249	0.3	228	0.3	227	0.3	227	0.4	221	0.4	221	
	1977	2.8	246	0.2	255	<.1	241	<.1	241	<.1	213	<.1	213	
	1978	0.5	245	<.1	284	<.1	249	<.1	249	<.1	252	<.1	252	
	1979	0.1	261	<.1	213	<.1	244	<.1	244	<.1	241	<.1	241	
	1980	0.1	254	0.1	258	0.1	246	0.1	246	<.1	253	<.1	253	
	1981	0.6	260	<.1	249	<.1	257	<.1	257	<.1	263	<.1	263	
	1982	0.5	251	<.1	244	<.1	250	<.1	250	<.1	242	<.1	242	
	1983	1.4	255	0.1	262	0.1	260	0.1	260	0.1	261	0.1	261	
	1984	0.9	255	<.1	274	<.1	258	<.1	258	<.1	252	<.1	252	
	1985	1.2	248	0.2	255	0.2	248	0.1	248	0.1	255	0.1	255	
	1986	1.4	243	0.1	263	0.1	226	<.1	226	<.1	236	<.1	236	
	1987	1.6	249	0.1	258	0.1	246	<.1	246	<.1	248	<.1	248	
	Hardhead catfish	1975	0.6	315	0.1	336	<.1	278	<.1	278	0.0	365	0.0	365
		1976	0.3	319	0.3	379	0.1	348	0.1	348	<.1	365	<.1	365
		1977	0.3	322	0.2	365	<.1	352	<.1	352	<.1	424	<.1	424
		1978	1.0	322	0.4	380	<.1	428	<.1	428	<.1	341	<.1	341
1979		0.8	330	0.6	372	0.1	360	0.1	360	<.1	348	<.1	348	
1980		0.4	318	0.2	363	<.1	368	<.1	368	<.1	342	<.1	342	
1981		0.7	327	0.2	372	<.1	345	<.1	345	<.1	347	<.1	347	
1982		1.4	326	0.2	380	<.1	350	<.1	350	<.1	315	<.1	315	
1983		1.0	332	0.2	381	<.1	359	<.1	359	<.1	313	<.1	313	
1984		1.2	324	0.3	354	0.1	311	0.1	311	<.1	307	<.1	307	
1985		1.0	319	0.2	364	<.1	298	<.1	298	<.1	361	<.1	361	
1986		0.7	320	0.2	388	<.1	354	<.1	354	<.1	361	<.1	361	
1987		0.6	317	0.1	368	<.1	371	<.1	371	<.1	354	<.1	354	

Table A.2. (Cont'd.).

Species	Year	Mesh size												
		7.6-cm No./h	Length	10.2-cm No./h	Length	12.7-cm No./h	Length	15.2-cm No./h	Length					
Pinfish	1975	0.0		0.0		0.0		0.0		0.0		0.0		
	1976	0.0		0.0		0.0		0.0		0.0		0.0		
	1977	0.0		0.0		0.0		0.0		0.0		0.0		
	1978	<.1	238	0.0		0.0		0.0		0.0		0.0		
	1979	0.0		0.0		0.0		0.0		0.0		0.0		
	1980	<.1	157	0.0	269	0.0		0.0		0.0		0.0		
	1981	<.1	212	<.1		0.0		0.0		0.0		0.0		
	1982	<.1	207	0.0		0.0		0.0		0.0		0.0		
	1983	<.1	192	<.1		0.0		0.0		0.0		0.0		
	1984	<.1	154	0.0		0.0		0.0		0.0		0.0		
	1985	<.1	192	0.0	229	0.0		0.0		0.0		0.0		
	1986	<.1	195	<.1		0.0		0.0		0.0		0.0		
	1987	<.1	176	0.0		0.0		0.0		0.0		0.0		
	Spot	1975	0.0		0.0		0.0		0.0		0.0		0.0	
		1976	0.4	236	<.1	230	0.0		0.0		0.0		0.0	
		1977	0.2	234	0.0		0.0		0.0		0.0		0.0	
		1978	0.1	226	0.0		0.0		0.0		0.0		0.0	
1979		0.0		0.0		0.0		0.0		0.0		0.0		
1980		0.1	235	0.0		0.0		0.0		0.0		0.0		
1981		0.1	240	0.0		0.0		0.0		0.0		0.0		
1982		0.3	238	<.1	252	<.1		0.0		0.0		0.0		
1983		0.2	242	0.0		0.0		0.0		0.0		0.0		
1984		0.1	238	<.1	264	<.1		0.0		0.0		0.0		
1985		0.3	233	0.0		0.0		0.0		0.0		0.0		
1986	0.2	238	<.1	175	<.1		0.0		0.0		0.0			
1987	0.2	234	<.1	267	<.1		0.0		0.0		0.0			

Table A.2. (Cont'd.).

Species	Year	Mesh size											
		7.6-cm		10.2-cm		12.7-cm		15.2-cm					
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length
Striped mullet	1975	0.3	331	0.0		0.0		0.0		0.0		0.0	
	1976	0.2	310	0.1	396	<.1	419	<.1	419	<.1	419	0.0	
	1977	0.1	320	<.1	414	0.0		0.0		0.0		0.0	
	1978	0.1	317	<.1	400	0.1	535	0.1	535	0.1	535	0.0	
	1979	<.1	334	<.1	450	0.0		0.0		0.0		0.0	
	1980	0.1	342	<.1	409	<.1	315	<.1	315	<.1	315	<.1	576
	1981	<.1	346	<.1	432	<.1	451	<.1	451	<.1	451	<.1	600
	1982	0.2	328	<.1	426	<.1	565	<.1	565	<.1	565	<.1	530
	1983	0.1	339	<.1	434	<.1	505	<.1	505	<.1	505	0.0	
	1984	0.3	336	0.1	433	<.1	516	<.1	516	<.1	516	0.0	
	1985	0.1	327	<.1	405	0.0		0.0		0.0		0.0	
	1986	0.1	324	<.1	427	<.1	515	<.1	515	<.1	515	<.1	607
	1987	0.2	334	<.1	448	<.1	528	<.1	528	<.1	528	<.1	625
Other finfishes	1975	0.5	360	0.6	373	0.2	938	0.2	938	0.2	938	0.1	1032
	1976	0.4	273	0.5	378	0.1	573	0.1	573	0.1	573	0.1	838
	1977	0.1	510	0.2	423	0.1	453	0.1	453	0.1	453	0.1	982
	1978	0.1	284	0.4	321	<.1	348	<.1	348	<.1	348	<.1	225
	1979	0.3	356	0.3	366	<.1	822	<.1	822	<.1	822	<.1	1324
	1980	0.2	299	0.2	377	<.1	578	<.1	578	<.1	578	<.1	445
	1981	0.4	314	0.5	345	<.1	670	<.1	670	<.1	670	<.1	1022
	1982	0.4	308	0.6	368	0.1	453	0.1	453	0.1	453	<.1	746
	1983	0.5	330	0.6	432	0.1	488	0.1	488	0.1	488	<.1	852
	1984	0.5	340	0.6	402	0.1	533	0.1	533	0.1	533	<.1	807
	1985	0.4	294	0.5	371	<.1	661	<.1	661	<.1	661	<.1	938
	1986	0.2	309	0.5	360	<.1	522	<.1	522	<.1	522	<.1	792
	1987	0.2	291	0.6	361	<.1	442	<.1	442	<.1	442	<.1	769

Table A.2. (Cont'd.).

Species	Year	Mesh size											
		7.6-cm		10.2-cm		12.7-cm		15.2-cm					
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length
Total	1975	2.7	331	1.6	377	0.4	679	0.3	613				
finfishes	1976	3.5	270	1.8	358	1.0	420	0.9	437				
	1977	4.0	285	1.2	369	0.6	417	0.4	583				
	1978	2.1	292	1.1	359	0.6	438	0.2	481				
	1979	2.0	344	1.1	383	0.2	429	0.1	475				
	1980	1.7	321	1.2	369	0.6	439	0.5	464				
	1981	2.5	313	1.1	379	0.4	480	0.2	546				
	1982	3.9	316	1.5	372	0.6	430	0.3	465				
	1983	4.0	318	1.3	391	0.5	445	0.2	458				
	1984	4.1	323	1.5	404	0.6	467	0.3	502				
	1985	4.3	290	1.6	368	0.7	445	0.4	475				
	1986	3.6	299	1.4	393	0.6	448	0.3	515				
	1987	3.8	296	1.4	378	0.5	441	0.2	477				

Table A.3. Mean catch rates (No./h) and mean total lengths (mm) by mesh size for selected fishes caught with gill nets in the East Matagorda Bay system during fall 1975-1987. Blank indicates no measurement taken; ND = no data.

Species	Year	Mesh size							
		7.6-cm		10.2-cm		12.7-cm		15.2-cm	
		No./h	Length	No./h	Length	No./h	Length	No./h	Length
Red drum	1975	ND		ND		ND		ND	
	1976	0.1	326	0.4	463	0.5	531	0.1	601
	1977	0.7	348	0.1	442	0.1	551	<.1	662
	1978	0.5	352	0.1	390	0.1	479	0.0	
	1979	0.4	373	0.2	419	0.1	498	<.1	538
	1980	0.3	353	0.1	448	0.2	584	0.1	592
	1981	0.5	378	<.1	408	<.1	472	<.1	637
	1982	0.7	358	0.1	542	0.1	539	<.1	560
	1983	0.6	351	0.1	456	0.1	566	<.1	647
	1984	0.2	376	0.1	479	0.4	577	0.3	653
	1985	0.7	350	0.2	423	0.2	525	0.2	618
	1986	0.4	336	0.1	501	0.2	580	0.1	610
	1987	0.4	339	0.2	482	0.2	543	0.1	584
	Spotted seatrout	1975	ND		ND		ND		ND
1976		0.3	376	0.4	460	0.1	582	0.0	
1977		0.1	382	0.1	534	<.1	555	<.1	536
1978		0.2	366	0.1	458	<.1	542	0.0	
1979		0.1	374	<.1	506	0.0		<.1	
1980		0.1	413	<.1	455	<.1	400	<.1	366
1981		0.6	397	0.1	488	<.1	586	0.0	
1982		0.2	418	0.1	511	<.1	601	<.1	548
1983		0.5	407	<.1	543	<.1	558	0.0	
1984		0.2	424	0.1	508	<.1	454	<.1	488
1985		0.2	374	0.1	509	<.1	584	0.0	
1986		0.3	395	0.1	504	<.1	594	<.1	406
1987		0.3	396	0.1	510	<.1	517	<.1	530

Table A.3. (Cont'd.).

Species	Year	Mesh size											
		7.6-cm		10.2-cm		12.7-cm		15.2-cm		17.8-cm		20.3-cm	
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length
Black drum	1975	ND		ND		ND		ND		ND		ND	
	1976	0.1	221	0.3	290	0.2	343	0.1	442				
	1977	<.1	313	0.2	324	0.2	400	0.1	425				
	1978	0.2	235	0.3	330	0.4	372	0.1	462				
	1979	<.1	894	<.1	306	0.1	401	<.1	496				
	1980	<.1	253	0.5	298	0.2	374	0.1	480				
	1981	0.1	253	0.2	310	0.1	374	0.1	441				
	1982	0.1	271	1.3	321	0.7	373	0.2	439				
	1983	0.2	232	0.3	342	0.2	415	0.2	460				
	1984	0.2	249	0.1	303	0.2	414	0.2	476				
	1985	<.1	218	0.3	319	0.2	388	0.1	457				
	1986	0.2	236	0.2	307	0.1	394	0.1	434				
	1987	0.1	265	0.4	339	0.7	382	0.3	474				
Sheepshead	1975	ND		ND		ND		ND		ND		ND	
	1976	<.1	203	0.0		0.2	286	<.1	406				
	1977	0.0		0.1	261	0.2	304	0.1	370				
	1978	0.0		<.1	259	0.1	286	0.1	362				
	1979	<.1	350	<.1	377	0.2	340	<.1	386				
	1980	0.0		<.1	239	<.1	315	<.1	360				
	1981	0.0		0.1	224	<.1	292	<.1	382				
	1982	0.0		<.1	300	0.1	303	0.1	368				
	1983	0.0		0.1	278	0.2	347	0.2	373				
	1984	<.1	416	<.1	407	0.1	371	0.2	389				
	1985	0.0		<.1	342	0.1	372	0.1	396				
	1986	0.0		<.1	251	<.1	280	<.1	366				
	1987	0.0		<.1	347	<.1	361	0.1	369				

Table A.3. (Cont'd.).

Species	Year	Mesh size							
		7.6-cm		10.2-cm		12.7-cm		15.2-cm	
		No./h	Length	No./h	Length	No./h	Length	No./h	Length
Southern flounder	1975	ND		ND	274	ND		ND	
	1976	<.1	328	0.2	274	0.3	332	0.1	429
	1977	<.1	207	0.1	317	0.1	337	0.1	406
	1978	<.1	290	<.1	372	<.1	368	<.1	437
	1979	<.1	323	<.1	271	<.1	369	<.1	530
	1980	<.1	250	0.1	341	0.1	365	0.1	428
	1981	<.1	321	<.1	296	<.1	367	<.1	385
	1982	0.0		0.1	298	0.1	347	0.1	399
	1983	<.1	237	0.1	326	0.1	362	0.1	390
	1984	<.1	292	0.1	319	0.1	379	<.1	418
	1985	<.1	338	0.1	326	0.1	374	0.1	391
	1986	<.1	371	<.1	320	<.1	396	<.1	423
	1987	<.1	380	0.1	323	<.1	347	<.1	410
	Atlantic croaker	1975	ND		ND		ND		ND
1976		0.1	248	0.0		0.0		0.0	
1977		0.1	276	0.0		0.0		0.0	
1978		0.1	248	0.0		0.0		0.0	
1979		0.2	243	<.1	335	0.0		0.0	
1980		0.1	258	<.1	310	0.0		0.0	
1981		0.2	254	0.0		0.0		0.0	
1982		0.4	256	0.0		0.0		0.0	
1983		0.4	261	<.1	276	0.0		0.0	
1984		0.2	257	<.1	295	<.1	240	<.1	243
1985		0.4	257	<.1	276	0.0		0.0	
1986		0.1	258	<.1	314	0.0		0.0	
1987		0.1	252	0.0		0.0		0.0	

Table A.3. (Cont'd.).

Species	Year	Mesh size											
		7.6-cm		10.2-cm		12.7-cm		15.2-cm					
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length
Sand seatrout	1975	ND		ND		ND		ND		ND		ND	
	1976	0.1	302	<.1	261	0.0		0.0		<.1		<.1	302
	1977	0.0		0.0		0.0		0.0		0.0		0.0	
	1978	0.0		<.1		0.0		0.0		0.0		0.0	
	1979	0.0		0.0		0.0		0.0		0.0		0.0	
	1980	0.0		0.0		0.0		0.0		0.0		0.0	
	1981	0.0		0.0		0.0		<.1	222	<.1	268	<.1	268
	1982	<.1		0.0		0.0		<.1	249	<.1	260	<.1	260
	1983	0.0	225	<.1	206	<.1		<.1	242	<.1	244	<.1	244
	1984	<.1		0.0		0.0		<.1	316	0.0		0.0	
	1985	0.0		0.0	255	0.0		0.0		0.0		0.0	
	1986	0.0		0.0	228	0.0		0.0		0.0		<.1	263
	1987	0.0		0.0	220	0.0		0.0		0.0		<.1	221
	Gafftopsail catfish	1975	ND		ND		ND		ND		ND		ND
1976		0.0		0.0		0.0		0.0		0.0		0.0	
1977		0.0		0.0		0.0		0.0		0.0		0.0	
1978		0.0		0.0		0.0		0.0		0.0		0.0	
1979		0.0		<.1	435	<.1		<.1	547	<.1		<.1	551
1980		0.0		0.0		0.0		0.0		0.0		0.0	
1981		0.0		0.0		0.0		0.0		0.0		0.0	
1982		0.0		0.0		0.0		0.0		0.0		0.0	
1983		<.1	396	0.1	464	<.1		<.1	495	<.1		<.1	616
1984		<.1	420	<.1	461	<.1		<.1	466	<.1		<.1	509
1985		0.0		<.1	449	<.1		<.1	485	<.1		<.1	535
1986		0.0		0.0	412	<.1		<.1	510	<.1		<.1	549
1987		0.0		0.0	484	<.1		<.1	500	<.1		<.1	536

Table A.3. (Cont'd.).

Species	Year	Mesh size											
		7.6-cm		10.2-cm		12.7-cm		15.2-cm					
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length
Gulf menhaden	1975	ND		ND		ND		ND		ND		ND	
	1976	<.1		0.0		0.0		0.0		0.0		<.1	270
	1977	0.0		<.1	281	<.1	237					0.0	
	1978	0.4	241	0.1	275	0.0		0.0				0.0	
	1979	<.1	240	0.0		<.1	220					<.1	212
	1980	<.1		0.0		0.0		0.0				0.0	
	1981	0.0		0.0		0.0		0.0				0.0	
	1982	0.0		<.1	310	<.1		<.1				0.0	
	1983	0.1	245	<.1	276	0.0		0.0				0.0	
	1984	0.1	248	<.1	264	<.1	271					0.0	
	1985	<.1	233	0.0		0.0		0.0				0.0	
	1986	0.1	235	<.1	276	<.1	151					0.0	
	1987	0.0		0.0		0.0		0.0				0.0	
	Hardhead catfish	1975	ND		ND		ND		ND		ND		ND
1976		<.1	322	0.0		0.0		0.0		0.0		0.0	
1977		0.2	319	0.1	352	<.1	375					0.0	
1978		0.1	308	0.0		<.1	260					0.0	
1979		0.1	327	0.1	356	0.0		0.0				0.0	382
1980		0.3	319	0.1	367	0.0		0.0				<.1	
1981		0.2	322	<.1	300	<.1	350					0.0	
1982		0.2	336	0.1	332	<.1	330					<.1	331
1983		0.2	330	0.1	358	<.1	260					<.1	340
1984		0.8	316	0.2	361	<.1	306					0.0	
1985		0.2	315	0.2	352	<.1	308					<.1	304
1986		0.3	326	0.2	370	<.1	316					<.1	314
1987		0.3	318	0.2	333	<.1	292					<.1	305

Table A.3. (Cont'd.).

Species	Year	Mesh size											
		7.6-cm		10.2-cm		12.7-cm		15.2-cm		17.8-cm		20.3-cm	
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length
Pinfish	1975	ND		ND		ND		ND		ND		ND	
	1976	<.1	155	<.1	244	<.1		0.0		0.0		0.0	
	1977	0.0		0.0		0.0		0.0		0.0		0.0	
	1978	<.1	168	0.0		0.0		0.0		0.0		0.0	
	1979	0.0		0.0		0.0		0.0		0.0		0.0	
	1980	0.0		0.0		0.0		0.0		0.0		0.0	
	1981	0.0		0.0		0.0		0.0		0.0		0.0	
	1982	<.1	227	0.0		0.0		0.0		0.0		0.0	
	1983	<.1	202	0.0		0.0		0.0		0.0		0.0	
	1984	0.0		0.0		0.0		0.0		0.0		0.0	
	1985	<.1	170	0.0		0.0		0.0		0.0		0.0	
	1986	<.1	211	0.0		0.0		0.0		0.0		0.0	
	1987	<.1	226	0.0		0.0		0.0		0.0		0.0	
	Spot	1975	ND		ND		ND		ND		ND		ND
1976		<.1	226	<.1	294	<.1		0.0		0.0		0.0	
1977		<.1	240	<.1	291	<.1		0.0		0.0		0.0	
1978		0.2	234	0.0		0.0		0.0		0.0		0.0	
1979		0.0		0.0		0.0		0.0		0.0		0.0	
1980		<.1	222	0.0		0.0		0.0		0.0		0.0	
1981		0.2	237	0.0		0.0		0.0		0.0		0.0	
1982		<.1	246	0.0		0.0		0.0		0.0		0.0	
1983		0.2	242	<.1	324	<.1		0.0		0.0		0.0	
1984		0.1	242	0.0		0.0		0.0		0.0		0.0	
1985		<.1	229	0.0		0.0		0.0		0.0		0.0	
1986		0.1	239	0.0		0.0		0.0		0.0		0.0	
1987		<.1	230	0.0		0.0		0.0		0.0		0.0	

Table A.3. (Cont'd.).

Species	Year	Mesh size											
		7.6-cm		10.2-cm		12.7-cm		15.2-cm					
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length
Striped mullet	1975	ND		ND		ND		ND		ND		ND	
	1976	0.2	317	<.1	360	0.0		0.0		0.0		0.0	
	1977	0.2	324	0.1	453	<.1	508	<.1		0.0		0.0	
	1978	0.5	313	0.1	404	<.1	512	<.1		0.0		0.0	
	1979	0.1	329	<.1	410	0.0		0.0		0.0		0.0	
	1980	<.1	319	0.0		0.0		0.0		0.0		0.0	
	1981	0.1	333	<.1	436	0.0		0.0		0.0		0.0	
	1982	0.4	318	<.1	405	<.1	552	<.1		0.0		0.0	
	1983	0.2	335	0.0		<.1		<.1		0.0		0.0	
	1984	0.6	318	<.1	403	<.1	461	<.1		0.0		0.0	
	1985	0.2	319	<.1	409	<.1	520	<.1		0.0		0.0	
	1986	0.3	321	<.1	425	0.0		0.0		0.0		0.0	
	1987	0.3	317	0.1	404	<.1	620	<.1		0.0		0.0	
	Other finfishes	1975	ND		ND		ND		ND		ND		ND
1976		<.1	286	0.1	331	0.0		0.0		0.0		0.0	892
1977		0.1	255	0.1	339	0.0		0.0		<.1		<.1	254
1978		0.1	267	0.1	346	0.0		0.0		<.1		<.1	
1979		<.1	540	0.0		0.0		0.0		0.0		0.0	810
1980		0.1	262	<.1	297	0.0		0.0		<.1		<.1	
1981		0.3	285	0.1	478	<.1	666	<.1		<.1		<.1	477
1982		0.4	283	0.1	331	<.1	519	<.1		<.1		<.1	418
1983		1.3	269	0.4	328	<.1	353	<.1		<.1		<.1	687
1984		0.6	284	0.2	348	<.1	444	<.1		<.1		<.1	1005
1985		0.3	299	0.2	353	<.1	551	<.1		<.1		<.1	901
1986		0.5	359	0.4	403	0.1	722	0.1		0.1		0.1	742
1987		0.1	444	0.2	357	<.1	374	<.1		<.1		<.1	

Table A.3. (Cont'd.):

Species	Year	Mesh size															
		7.6-cm		10.2-cm		12.7-cm		15.2-cm		15.2-cm		15.2-cm					
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length				
Total finfishes	1975	ND		ND		ND		ND		ND		ND		ND		ND	
	1976	1.1	303	1.4	388	1.2	437	0.3	449	0.3	447	0.3	418	0.2	457	0.4	488
	1977	1.4	325	0.8	371	0.6	392	0.3	447	0.7	380	0.2	457	0.2	488	0.2	473
	1978	2.3	291	0.8	348	0.7	380	0.2	418	0.5	421	0.2	457	0.2	488	0.2	473
	1979	1.0	338	0.4	361	0.5	421	0.2	457	0.6	444	0.4	488	0.2	473	0.2	473
	1980	1.0	317	0.9	334	0.6	444	0.4	488	0.6	444	0.4	488	0.2	473	0.2	473
	1981	2.3	334	0.5	363	0.3	421	0.2	457	0.3	421	0.2	457	0.2	488	0.2	473
	1982	2.5	323	1.9	348	1.3	391	0.6	488	1.3	391	0.6	488	0.2	473	0.2	473
	1983	3.7	307	1.2	356	0.7	408	0.6	488	0.7	408	0.6	488	0.2	473	0.2	473
	1984	3.0	309	1.0	386	0.9	480	0.8	533	0.9	480	0.6	488	0.2	473	0.2	473
	1985	2.2	314	1.0	371	0.8	431	0.5	484	0.8	431	0.5	484	0.2	473	0.2	473
	1986	2.4	323	1.1	395	0.6	548	0.3	598	0.6	548	0.3	598	0.2	473	0.2	473
	1987	1.7	343	1.3	387	1.1	416	0.6	484	1.1	416	0.6	484	0.2	473	0.2	473

Table A.4. Mean catch rates (No./h) and mean total lengths (mm) by mesh size for selected fishes caught with gill nets in the Matagorda Bay system during fall 1975-1987. Blank indicates no measurement taken.

Species	Year	Mesh size								
		7.6-cm		10.2-cm		12.7-cm		15.2-cm		
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	
Red drum	1975	1.1	332	0.1	409	<.1	387	<.1	312	
	1976	0.3	370	0.2	460	0.0		<.1	618	
	1977	0.4	350	0.2	464	0.1	567	0.1	660	
	1978	0.8	358	0.1	414	0.1	545	<.1	630	
	1979	1.3	338	<.1	414	<.1	567	<.1	676	
	1980	0.2	346	0.2	475	0.1	565	<.1	477	
	1981	0.4	337	0.1	454	0.1	514	<.1	592	
	1982	0.4	332	0.1	476	0.1	538	<.1	561	
	1983	0.3	359	0.2	467	<.1	538	<.1	584	
	1984	0.4	358	<.1	491	<.1	594	<.1	708	
	1985	0.6	332	0.1	450	0.1	584	<.1	589	
	1986	0.5	341	0.1	484	0.1	544	<.1	558	
	1987	0.6	324	0.1	464	<.1	557	<.1	661	
	Spotted seatrout	1975	0.5	385	0.1	518	<.1	570	0.0	
		1976	0.3	387	0.1	526	<.1	682	0.0	
1977		0.2	387	0.1	492	0.1	573	<.1	661	
1978		0.6	386	0.1	506	<.1	621	0.0		
1979		0.4	396	0.1	490	0.0		0.0		
1980		0.2	396	0.1	446	0.0		0.0		
1981		0.2	402	0.1	503	<.1	536	<.1	483	
1982		0.2	397	0.1	494	<.1	521	<.1	452	
1983		0.2	410	0.1	501	<.1	598	<.1	505	
1984		0.1	393	<.1	545	<.1	572	<.1	361	
1985		0.2	399	0.1	507	<.1	635	<.1	462	
1986		0.4	390	0.1	444	<.1	492	<.1	432	
1987		0.5	407	0.1	506	<.1	637	<.1	370	

Table A.4. (Cont'd.).

Species	Year	Mesh size												
		7.6-cm		10.2-cm		12.7-cm		15.2-cm						
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	
Black drum	1975	0.3	233	0.4	299	0.1	527	0.1	519	0.1	519	0.1	519	
	1976	0.3	244	0.2	314	0.2	418	0.2	516	0.1	516	0.1	516	
	1977	0.1	237	0.2	320	0.1	376	0.1	472	0.1	472	0.1	472	
	1978	0.1	273	0.2	376	0.1	406	0.1	601	<.1	601	<.1	601	
	1979	0.1	235	<.1	577	<.1	488	<.1	640	<.1	640	<.1	640	
	1980	0.4	239	0.2	316	0.1	456	0.1	553	0.1	553	0.1	553	
	1981	0.1	240	0.2	382	0.1	448	0.1	607	<.1	607	<.1	607	
	1982	0.2	252	0.2	337	0.1	443	0.1	544	0.1	544	0.1	544	
	1983	0.2	250	0.3	347	0.1	458	0.1	620	<.1	620	<.1	620	
	1984	0.1	288	0.1	367	0.1	488	0.1	676	<.1	676	<.1	676	
	1985	0.1	243	0.2	348	0.1	426	0.1	597	<.1	597	<.1	597	
	1986	0.2	240	0.3	336	0.1	416	0.1	604	<.1	604	<.1	604	
	1987	0.2	248	0.1	382	0.1	425	0.1	599	0.1	599	0.1	599	
	Sheepshead	1975	0.0		<.1	230	<.1	345	<.1	320	0.0	320	0.0	320
		1976	<.1	165	<.1	261	0.1	282	0.1	406	<.1	406	<.1	406
		1977	0.0		<.1	262	<.1	318	<.1	407	<.1	407	<.1	407
		1978	<.1	385	<.1	336	<.1	311	<.1	356	<.1	356	<.1	356
1979		<.1	268	<.1	273	0.1	329	0.1		<.1		<.1		
1980		0.0		0.0		<.1	353	<.1		0.0		0.0		
1981		<.1	235	<.1	254	0.1	289	0.1	326	0.1	326	0.1	326	
1982		<.1	326	<.1	285	<.1	305	<.1	354	<.1	354	<.1	354	
1983		<.1	369	<.1	292	<.1	346	<.1	368	<.1	368	<.1	368	
1984		<.1	300	<.1	323	<.1	378	<.1	381	<.1	381	<.1	381	
1985		0.0		<.1	305	<.1	375	<.1	420	<.1	420	<.1	420	
1986		<.1	428	<.1	249	<.1	346	<.1	397	<.1	397	<.1	397	
1987		0.0		<.1	275	<.1	363	<.1	378	<.1	378	<.1	378	

Table A.4. (Cont'd.).

Species	Year	Mesh size							
		7.6-cm		10.2-cm		12.7-cm		15.2-cm	
		No./h	Length	No./h	Length	No./h	Length	No./h	Length
Southern flounder	1975	0.1	254	<.1	280	<.1	438	<.1	460
	1976	<.1	220	<.1	307	<.1	338	0.0	390
	1977	<.1	250	0.0		<.1	326	<.1	387
	1978	0.0		0.0		<.1	284	<.1	454
	1979	<.1	240	<.1	310	<.1	437	<.1	436
	1980	<.1	202	0.1	311	0.1	343	<.1	413
	1981	<.1	271	<.1	309	<.1	398	<.1	413
	1982	<.1	281	<.1	296	<.1	369	<.1	413
	1983	<.1	308	<.1	298	<.1	345	<.1	398
	1984	<.1	224	<.1	300	<.1	350	<.1	384
	1985	<.1	307	<.1	294	<.1	360	<.1	411
	1986	<.1	280	<.1	304	<.1	387	<.1	416
	1987	<.1	272	<.1	277	<.1	325	<.1	390
	Atlantic croaker	1975	0.0		0.0		0.0		0.0
1976		0.3	262	<.1	308	0.0		0.0	
1977		0.2	265	<.1	347	0.0		0.0	
1978		0.2	254	0.0		0.0		0.0	
1979		0.1	285	<.1	330	0.0		0.0	
1980		0.2	261	0.0		0.0		0.0	
1981		0.1	270	<.1	351	0.0		0.0	
1982		0.1	266	<.1	357	0.0		0.0	
1983		0.2	263	0.0		0.0		0.0	
1984		0.2	259	0.0		0.0		0.0	
1985		0.1	255	<.1	173	0.0		0.0	
1986	0.2	254	<.1	225	<.1	191	0.0		
1987	0.2	252	<.1	261	0.0		0.0		

Table A.4. (Cont'd.).

Species	Year	Mesh size												
		7.6-cm		10.2-cm		12.7-cm		15.2-cm						
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	
Gulf mendaden	1975	0.6	278	1.2	317	<.1	200	<.1	240	<.1	240	<.1	243	
	1976	0.2	240	<.1	270	<.1	261	<.1	243	<.1	243	<.1	243	
	1977	0.2	244	0.0		0.0				0.0		0.0		
	1978	<.1	229	<.1	256	<.1	263	<.1	246	<.1	246	<.1	246	
	1979	0.4	251	<.1	256	<.1	238	<.1		<.1		<.1		
	1980	<.1	260	<.1	260	0.0				0.0		0.0		
	1981	0.1	249	<.1	239	<.1	233	<.1	235	<.1	235	<.1	243	
	1982	<.1	255	<.1	234	<.1	205	<.1	243	<.1	243	<.1	273	
	1983	<.1	248	<.1	269	<.1	227	<.1	242	<.1	242	<.1	242	
	1984	0.4	248	<.1	244	<.1	258	<.1	219	<.1	219	<.1	219	
	1985	0.1	254	<.1	275	<.1	249	<.1	238	<.1	238	<.1	238	
	1986	0.2	241	<.1	242	<.1	224	<.1	247	<.1	247	<.1	247	
	1987	0.1	245	<.1	239	<.1	215	<.1		<.1		<.1		
	Hardhead catfish	1975	0.1	305	<.1	365	<.1	265	<.1	310	<.1	310	<.1	170
		1976	0.1	283	0.1	289	<.1	304	<.1	170	<.1	170	<.1	170
		1977	0.1	306	<.1	298	<.1	318	<.1		0.0		0.0	
		1978	0.1	286	<.1	297	<.1	248	<.1		0.0		0.0	
1979		0.1	306	<.1	388	<.1	350	<.1		0.0		0.0		
1980		0.1	330	0.0		0.0				0.0		0.0		
1981		0.2	316	0.1	312	<.1	249	<.1	343	<.1	343	<.1	295	
1982		0.2	325	0.1	355	<.1	284	<.1	295	<.1	295	<.1	333	
1983		0.2	325	0.1	354	<.1	304	<.1	333	<.1	333	<.1	340	
1984		0.6	314	0.2	352	<.1	323	<.1	340	<.1	340	<.1	333	
1985		0.4	325	0.2	370	<.1	332	<.1	333	<.1	333	<.1	312	
1986		0.3	317	0.2	365	<.1	328	<.1	312	<.1	312	<.1	327	
1987		0.5	323	0.2	369	<.1	376	<.1	327	<.1	327	<.1	327	

Table A.4. (Cont'd.).

Species	Year	Mesh size							
		7.6-cm		10.2-cm		12.7-cm		15.2-cm	
		No./h	Length	No./h	Length	No./h	Length	No./h	Length
Pinfish	1975	0.0		0.0		0.0		0.0	
	1976	0.0		0.0		0.0		0.0	
	1977	0.0		0.0		0.0		0.0	
	1978	0.0		0.0		0.0		0.0	
	1979	<.1	181	0.0		0.0		0.0	
	1980	0.0		0.0		0.0		0.0	
	1981	<.1	230	0.0		0.0		0.0	
	1982	<.1	202	0.0		0.0		0.0	
	1983	<.1	178	0.0		0.0		0.0	
	1984	<.1	194	0.0		0.0		0.0	
	1985	<.1	177	0.0		<.1	209	0.0	
	1986	<.1	158	110	<.1		0.0		0.0
	1987	0.1	177	0.0	0.0		0.0		0.0
	Spot	1975	0.0		<.1	305	0.0		0.0
1976		0.2	229	0.0		0.0		0.0	
1977		<.1	256	0.0		0.0		0.0	
1978		0.3	235	<.1	255	0.0		0.0	
1979		<.1	260	0.0		0.0		0.0	
1980		0.4	235	0.0		0.0		0.0	
1981		<.1	240	0.0		0.0		0.0	
1982		0.1	232	0.0		0.0		0.0	
1983		<.1	242	0.0		0.0		0.0	
1984		0.1	239	<.1	250	0.0		0.0	
1985		0.1	234	0.0		0.0		0.0	
1986		0.1	237	<.1	278	0.0		0.0	
1987		0.1	220	<.1	209	0.0		0.0	

Table A.4. (Cont'd.).

Species	Year	Mesh size							
		7.6-cm No./h	Length	10.2-cm No./h	Length	12.7-cm No./h	Length	15.2-cm No./h	Length
Striped mullet	1975	0.3	318	0.1	411	0.0		0.0	
	1976	0.2	328	0.1	422	0.0		0.0	
	1977	0.4	323	<.1	482	0.0		0.0	
	1978	0.6	330	0.1	451	0.0		0.0	
	1979	0.3	338	<.1	430	0.0		0.0	
	1980	0.2	332	<.1	426	0.0		0.0	
	1981	0.2	320	<.1	440	0.0		0.0	
	1982	0.3	327	<.1	424	0.0		0.0	
	1983	0.2	334	<.1	408	<.1	420	0.0	
	1984	0.3	327	<.1	405	0.0		0.0	
	1985	0.2	319	<.1	430	0.0		0.0	
	1986	0.1	333	<.1	413	0.0		0.0	
	1987	0.7	315	<.1	403	0.0		0.0	
Other finfishes	1975	0.4	309	0.4	402	0.1	908	0.1	864
	1976	0.8	307	0.2	543	0.1	862	0.1	885
	1977	1.6	355	0.8	361	0.1	771	0.2	922
	1978	0.7	281	0.3	392	0.1	579	0.1	846
	1979	0.6	311	0.1	369	<.1	624	<.1	928
	1980	0.4	277	0.2	405	<.1	869	<.1	828
	1981	0.1	371	0.1	403	0.1	828	<.1	899
	1982	0.8	430	0.1	533	0.1	794	<.1	723
	1983	1.1	305	0.2	528	0.1	868	0.1	843
	1984	1.2	459	0.2	477	0.1	783	0.1	945
	1985	0.5	344	0.1	522	0.1	861	0.1	885
	1986	0.7	389	0.3	427	0.1	816	0.1	787
	1987	0.7	291	0.1	433	<.1	758	<.1	733

Table A.4. (Cont'd.).

Species	Year	Mesh size											
		7.6-cm		10.2-cm		12.7-cm		15.2-cm					
		No./h	Length	No./h	Length	No./h	Length	No./h	Length				
Total finfishes	1975	3.3	315	2.3	342	0.5	487	0.6	510				
	1976	2.7	303	1.0	415	0.6	502	0.6	611				
	1977	3.3	335	1.4	371	0.4	564	0.4	700				
	1978	3.5	320	0.8	395	0.5	453	0.2	654				
	1979	3.4	323	0.5	410	0.2	441	0.1	637				
	1980	2.2	290	0.7	394	0.3	503	0.2	570				
	1981	1.8	333	0.6	399	0.4	496	0.2	560				
	1982	2.3	322	0.8	410	0.4	501	0.2	534				
	1983	2.5	316	0.8	410	0.4	529	0.2	621				
	1984	3.3	324	0.6	416	0.3	561	0.2	686				
	1985	2.4	316	0.7	407	0.4	549	0.3	656				
	1986	2.7	316	1.9	408	0.5	535	0.3	643				
	1987	3.8	286	0.8	398	0.2	481	0.2	517				

Table A.5. Mean catch rates (No./h) and mean total lengths (mm) by mesh size for selected fishes caught with gill nets in the San Antonio Bay system during fall 1975-1987. Blank indicates no measurement taken.

Species	Year	Mesh size											
		7.6-cm		10.2-cm		12.7-cm		15.2-cm					
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length
Red drum	1975	0.8	320	0.1	408	<.1	360	<.1	310	<.1	360	<.1	310
	1976	0.9	349	0.4	487	0.2	511	0.2	361	<.1	511	<.1	361
	1977	0.6	340	0.2	414	0.1	525	0.1	602	<.1	525	<.1	602
	1978	0.5	359	0.1	414	<.1	568	<.1	630	<.1	568	<.1	630
	1979	1.3	343	0.3	409	0.2	492	0.2	588	0.1	492	0.1	588
	1980	0.4	346	0.2	447	0.2	495	0.2	609	<.1	495	<.1	609
	1981	0.5	342	0.1	436	<.1	524	<.1	576	<.1	524	<.1	576
	1982	0.4	329	0.1	417	<.1	520	<.1	478	<.1	520	<.1	478
	1983	0.4	354	0.1	490	<.1	555	<.1	631	<.1	555	<.1	631
	1984	0.5	363	0.1	430	<.1	594	<.1	678	<.1	594	<.1	678
	1985	1.0	334	0.1	432	0.1	530	0.1	529	<.1	530	<.1	529
	1986	0.5	335	0.3	484	0.3	536	0.3	507	0.1	536	0.1	507
	1987	0.3	348	0.4	475	0.3	539	0.3	611	0.1	539	0.1	611
	Spotted seatrout	1975	0.9	378	0.1	471	0.0	456	0.0	397	0.0	456	0.0
1976		0.5	398	0.2	500	<.1	455	<.1	422	<.1	455	<.1	422
1977		0.5	380	<.1	481	0.0	445	0.0	509	0.0	445	0.0	509
1978		0.4	369	0.1	542	<.1	477	<.1	459	<.1	477	<.1	459
1979		0.2	397	0.1	487	<.1	549	<.1	528	<.1	549	<.1	528
1980		0.2	409	0.1	494	<.1	434	<.1	476	<.1	434	<.1	476
1981		0.2	398	0.1	502	<.1	461	<.1	441	<.1	461	<.1	441
1982		0.3	409	0.1	508	<.1	636	<.1	476	<.1	636	<.1	476
1983		0.4	406	0.1	515	<.1	543	<.1	441	<.1	543	<.1	441
1984		0.2	391	<.1	517	<.1	477	<.1	476	0.0	477	0.0	476
1985		0.1	383	<.1	500	<.1	477	<.1	441	<.1	477	<.1	441
1986		0.2	394	0.1	506	<.1	428	<.1	441	<.1	477	<.1	441
1987		0.2	385	0.1	506	<.1	428	<.1	441	<.1	477	<.1	441

Table A.5. (Cont'd.).

Species	Year	Mesh size							
		7.6-cm		10.2-cm		12.7-cm		15.2-cm	
		No./h	Length	No./h	Length	No./h	Length	No./h	Length
Black drum	1975	0.2	227	0.3	350	0.1	387	0.0	461
	1976	0.2	228	0.6	315	0.3	387	0.1	481
	1977	0.1	273	0.4	319	0.2	388	<.1	500
	1978	0.1	228	0.1	311	0.1	381	<.1	509
	1979	0.1	246	0.2	327	0.1	439	<.1	460
	1980	0.5	255	0.6	316	<.1	363	0.1	492
	1981	0.2	244	0.2	338	0.1	392	<.1	647
	1982	0.6	221	0.4	343	0.1	503	<.1	475
	1983	0.3	239	0.2	348	0.1	404	0.1	773
	1984	0.3	223	<.1	308	<.1	594	<.1	463
	1985	0.2	227	0.1	323	0.1	427	<.1	439
	1986	0.1	235	0.1	342	0.1	408	<.1	563
	1987	0.1	229	0.1	334	0.1	409	<.1	
	Sheepshead	1975	<.1	210	0.1	217	0.1	298	0.1
1976		<.1	166	0.1	260	0.1	319	0.2	356
1977		0.0		<.1	251	<.1	322	0.1	335
1978		0.0		<.1	276	0.1	356	0.3	383
1979		<.1	205	<.1	270	0.2	359	0.2	380
1980		0.0		0.3	254	0.4	303	0.1	410
1981		<.1	340	0.1	294	0.1	330	0.1	371
1982		<.1	249	0.1	367	<.1	336	<.1	382
1983		<.1	308	0.1	256	<.1	372	<.1	422
1984		<.1	438	<.1	491	<.1	423	<.1	413
1985		<.1	396	<.1	327	<.1	374	<.1	432
1986		<.1	291	<.1	298	<.1	337	<.1	402
1987		0.0		<.1	291	<.1	331	<.1	429

Table A.5. (Cont'd.).

Species	Year	Mesh size							
		7.6-cm		10.2-cm		12.7-cm		15.2-cm	
		No./h	Length	No./h	Length	No./h	Length	No./h	Length
Southern flounder	1975	<.1	205	<.1	265	0.0		0.0	
	1976	<.1	245	<.1	318	0.1	363	0.1	413
	1977	<.1	283	0.1	289	<.1	323	<.1	393
	1978	<.1	202	0.1	300	<.1	300	<.1	412
	1979	<.1	333	<.1	328	0.1	401	0.1	421
	1980	<.1	252	<.1	310	<.1	354	<.1	390
	1981	<.1	257	<.1	299	<.1	338	<.1	372
	1982	<.1	268	0.1	307	<.1	329	<.1	367
	1983	<.1	270	0.1	304	<.1	373	<.1	425
	1984	<.1	265	<.1	292	<.1	367	<.1	367
	1985	<.1	241	<.1	288	<.1	364	<.1	403
	1986	<.1	343	<.1	292	<.1	387	<.1	442
	1987	<.1	283	0.1	312	<.1	371	<.1	409
	Atlantic croaker	1975	<.1	288	<.1	336	0.0		0.0
1976		0.3	266	0.1	355	<.1	363	0.0	
1977		0.1	270	<.1	337	0.0		0.0	
1978		0.1	210	<.1	336	0.0		0.0	
1979		0.2	263	<.1	348	0.0		0.0	
1980		0.1	252	<.1	317	0.0		0.0	
1981		0.2	261	<.1	314	0.0		0.0	
1982		0.2	266	<.1	352	0.0		0.0	
1983		0.4	272	0.1	350	0.0		0.0	
1984		0.2	253	<.1	244	0.0		<.1	232
1985		0.1	261	0.0		0.0		0.0	
1986		0.2	250	<.1	314	<.1	251	0.0	
1987		<.1	249	<.1	315	0.0		0.0	

Table A.5. (Cont'd.).

Species	Year	Mesh size																
		7.6-cm		10.2-cm		12.7-cm		15.2-cm		15.2-cm		15.2-cm						
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length					
Sand seatrout	1975	0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		
	1976	0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		
	1977	0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		
	1978	0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0	211	
	1979	0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		
	1980	0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		
	1981	0.0		0.0		0.0	175	0.0		0.0		0.0		0.0		0.0		
	1982	<.1	212	<.1	282	<.1	282	<.1	254	<.1	254	<.1	285	<.1	285	<.1	285	
	1983	0.0		<.1	196	<.1	196	<.1	282	<.1	282	<.1	285	<.1	285	<.1	285	
	1984	0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		
	1985	<.1	332	<.1		0.0		0.0		0.0		0.0		0.0		0.0		
	1986	0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		
	1987	0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		
	Gafftopsail catfish	1975	0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0	478
1976		0.0		0.1	447	0.1	447	0.2	525	0.2	525	<.1	539	<.1	539	<.1	539	
1977		0.0		<.1	510	<.1	510	0.1	527	0.1	527	<.1	538	<.1	538	<.1	538	
1978		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0	581	
1979		<.1	386	<.1	533	<.1	533	<.1	500	<.1	500	<.1	565	<.1	565	<.1	565	
1980		0.0		0.1	490	0.1	490	0.2	510	0.2	510	<.1	556	<.1	556	<.1	556	
1981		0.0		<.1	448	<.1	448	<.1	541	<.1	541	<.1	566	<.1	566	<.1	566	
1982		<.1	418	0.1	491	0.1	491	0.2	530	0.2	530	0.1	563	0.1	563	0.1	563	
1983		<.1	456	0.1	474	0.1	474	0.1	518	0.1	518	0.1	557	0.1	557	0.1	557	
1984		<.1	375	0.1	460	0.1	460	0.1	535	0.1	535	0.1	554	0.1	554	0.1	554	
1985		0.0		<.1	506	<.1	506	<.1	530	<.1	530	<.1	578	<.1	578	<.1	578	
1986		<.1	440	0.1	445	0.1	445	<.1	520	<.1	520	<.1	566	<.1	566	<.1	566	
1987		0.0		<.1	356	<.1	356	<.1	528	<.1	528	<.1	586	<.1	586	<.1	586	

Table A.5. (Cont'd.).

Species	Year	Mesh size											
		7.6-cm		10.2-cm		12.7-cm		15.2-cm					
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length
Gulf menhaden	1975	<.1	255	0.1	287	0.1	186	0.1	186	0.1	219	0.1	219
	1976	0.2	265	<.1	336	<.1	251	<.1	251	<.1	269	<.1	269
	1977	0.1	238	<.1	259	0.0		0.0		0.0		0.0	
	1978	<.1	266	0.0		<.1	240	<.1	240	0.1	230	<.1	231
	1979	<.1	246	0.0		0.0		0.0		0.0		0.0	
	1980	0.1	255	0.0		0.0		0.0		0.0		0.0	
	1981	0.1	251	<.1	254	<.1	229	<.1	229	<.1	228	<.1	228
	1982	0.1	247	<.1	187	<.1	232	<.1	232	<.1	236	<.1	236
	1983	0.1	246	<.1	222	<.1	236	<.1	236	<.1	237	<.1	237
	1984	0.3	247	<.1	248	<.1	253	<.1	253	<.1	154	<.1	154
	1985	<.1	251	<.1	282	<.1	250	<.1	250	<.1	237	<.1	237
	1986	0.1	241	<.1	254	<.1	276	<.1	276	<.1	263	<.1	263
	1987	<.1	258	0.0		<.1	298	<.1	298	0.0		0.0	
	Hardhead catfish	1975	0.4	312	0.1	369	<.1	295	<.1	295	<.1	295	<.1
1976		0.4	318	0.2	310	0.1	301	0.1	301	0.1	267	0.1	267
1977		0.2	308	<.1	375	0.0		0.0		<.1	304	<.1	304
1978		0.1	311	<.1	368	<.1		<.1		<.1	323	<.1	323
1979		0.4	328	0.2	374	0.1	316	0.1	316	<.1	298	<.1	298
1980		0.3	318	0.2	317	0.1	296	0.1	296	<.1	349	<.1	349
1981		0.6	337	0.3	363	<.1	335	<.1	335	<.1	321	<.1	321
1982		0.4	336	0.3	356	0.1	312	0.1	312	<.1	347	<.1	347
1983		0.4	324	0.1	332	<.1	320	<.1	320	<.1	342	<.1	342
1984		0.6	327	0.3	356	0.1	326	0.1	326	<.1	319	<.1	319
1985		0.5	339	0.3	378	0.1	340	0.1	340	<.1	313	<.1	313
1986		0.4	327	0.5	372	<.1	322	<.1	322	<.1	363	<.1	363
1987		0.3	334	0.5	377	0.1	339	0.1	339	<.1	337	<.1	337

Table A.5. (Cont'd.).

Species	Year	Mesh size							
		7.6-cm		10.2-cm		12.7-cm		15.2-cm	
		No./h	Length	No./h	Length	No./h	Length	No./h	Length
Pinfish	1975	0.0		0.0		0.0		0.0	
	1976	0.2	211	<.1	216	0.0		0.0	
	1977	0.0		0.0		0.0		0.0	
	1978	0.1	222	0.0		0.0		0.0	
	1979	0.0		0.0		0.0		0.0	
	1980	0.0		0.0		0.0		0.0	
	1981	<.1	178	<.1	174	0.0		0.0	
	1982	<.1	187	0.0		0.0		0.0	
	1983	<.1	191	<.1	158	<.1	152	0.0	
	1984	<.1	158	<.1	128	0.0		0.0	
	1985	<.1	206	0.0		0.0		0.0	
	1986	0.0		0.0		0.0		0.0	
	1987	<.1	143	0.0		0.0		0.0	
	Spot	1975	<.1	245	0.0		0.0		0.0
1976		0.3	236	<.1		0.0		0.0	
1977		0.2	240	0.0		0.0		0.0	
1978		<.1	220	0.1	285	<.1	300	0.0	
1979		<.1	266	<.1	309	0.0		0.0	
1980		0.1	246	0.0		0.0		0.0	
1981		<.1	253	0.0		0.0		0.0	
1982		0.1	240	<.1	343	0.0		0.0	
1983		0.2	246	0.0		<.1	240	0.0	
1984		0.1	241	0.0		0.0		0.0	
1985		0.1	237	0.0		0.0		0.0	
1986		0.1	231	<.1	266	0.0		<.1	227
1987		<.1	225	0.0		0.0		0.0	

Table A.5. (Cont'd.).

Species	Year	Mesh size									
		7.6-cm		10.2-cm		12.7-cm		15.2-cm			
		No./h	Length	No./h	Length	No./h	Length	No./h	Length		
Striped mullet	1975	0.6	319	<.1	395	0.0		0.0		0.0	
	1976	1.6	325	0.1	426	0.0		0.0		0.0	
	1977	0.6	318	0.2	410	0.0		0.0		0.0	
	1978	0.5	322	0.0		0.0		0.0		0.0	
	1979	0.7	327	0.1	411	<.1	477	0.0		0.0	
	1980	0.5	343	0.1	428	<.1	512	0.0		0.0	
	1981	0.5	334	<.1	403	<.1	418	0.0		0.0	
	1982	0.3	329	<.1	432	0.0		0.0		0.0	
	1983	0.3	330	<.1	420	0.0		0.0		0.0	
	1984	0.4	328	0.1	443	<.1	534	0.0		0.0	305
	1985	0.4	327	0.1	427	<.1	491	<.1		<.1	602
	1986	0.2	324	0.2	420	<.1	439	<.1		<.1	
	1987	0.7	324	0.4	406	<.1	485	<.1		0.0	
	Other finfishes	1975	0.2	300	0.1	325	<.1	537	0.2		0.2
1976		0.6	282	0.2	485	0.1	784	0.2		0.2	1060
1977		1.3	310	0.6	378	<.1	608	<.1		<.1	745
1978		1.3	460	0.7	428	<.1	786	<.1		<.1	1012
1979		0.4	344	0.1	516	<.1	875	0.1		0.1	628
1980		1.0	291	0.1	354	<.1	159	<.1		<.1	828
1981		0.5	331	0.2	530	0.1	644	0.1		0.1	817
1982		0.8	429	0.1	548	0.1	630	0.1		0.1	835
1983		0.7	319	0.1	488	0.1	796	0.1		0.1	946
1984		0.1	343	0.1	470	0.1	794	0.1		0.1	857
1985		0.2	372	0.1	494	0.1	727	0.1		0.1	920
1986		0.2	348	0.1	552	0.1	634	0.1		0.1	772
1987		0.4	439	0.5	462	0.2	594	0.2		0.1	881

Table A.5. (Cont'd.).

Species	Year	Mesh size											
		7.6-cm		10.2-cm		12.7-cm		15.2-cm					
		No./h	Length	No./h	Length	No./h	Length	No./h	Length				
Total	1975	3.1	325	0.9	346	0.4	312	0.5	429				
finfishes	1976	5.1	311	2.1	394	1.2	461	0.7	522				
	1977	3.7	314	1.7	369	0.5	460	0.3	440				
	1978	3.1	365	1.1	405	0.4	435	0.5	410				
	1979	3.3	335	1.1	398	0.6	429	0.5	438				
	1980	3.2	308	1.7	349	1.0	391	0.3	493				
	1981	3.0	318	1.0	390	0.4	430	0.3	526				
	1982	3.2	311	1.2	386	0.5	478	0.2	636				
	1983	3.5	309	1.1	375	0.4	481	0.3	572				
	1984	2.6	301	0.7	406	0.4	552	0.2	626				
	1985	2.6	320	0.9	410	0.5	491	0.2	617				
	1986	2.1	328	1.4	432	0.8	503	0.4	568				
	1987	2.0	364	2.0	432	0.8	496	0.4	613				

Table A.6. Mean catch rates (No./h) and mean total lengths (mm) by mesh size for selected fishes caught with gill nets in the Arkansas Bay system during fall 1975-1987. Blank indicates no measurement taken.

Species	Year	Mesh size												
		7.6-cm		10.2-cm		12.7-cm		15.2-cm						
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	
Red drum	1975	1.0	333	0.1	375	<.1	575	<.1	575	0.0		0.0		
	1976	0.3	338	0.2	464	<.1	518	<.1	518	0.0		0.0		
	1977	0.4	346	0.1	445	<.1	542	<.1	542	<.1		<.1	660	
	1978	0.4	381	0.5	414	<.1	456	<.1	456	<.1		<.1	414	
	1979	0.6	345	0.1	415	0.1	550	0.1	550	<.1		<.1	357	
	1980	0.6	336	0.3	417	0.1	542	0.1	542	<.1		<.1	293	
	1981	0.5	348	0.1	446	0.1	526	0.1	526	<.1		<.1	600	
	1982	0.3	328	0.1	454	0.1	504	0.1	504	<.1		<.1	695	
	1983	0.2	360	0.1	449	<.1	523	<.1	523	<.1		<.1	643	
	1984	0.4	350	0.1	454	<.1	531	<.1	531	<.1		<.1	561	
	1985	0.5	356	0.1	483	0.2	559	0.2	559	<.1		<.1	593	
	1986	0.4	340	0.2	475	0.3	544	0.3	544	0.1		0.1	610	
	1987	0.2	361	0.2	456	0.1	567	0.1	567	0.1		0.1	595	
	Spotted seatrout	1975	0.2	411	0.3	519	0.0	519	0.0	519	0.0		0.0	
		1976	0.1	358	0.1	496	<.1	553	<.1	553	0.0		0.0	
		1977	<.1	356	<.1	528	<.1	528	<.1	528	0.0		0.0	
		1978	<.1	363	<.1	462	<.1	628	<.1	628	0.0		0.0	
		1979	<.1	421	<.1	487	<.1	494	<.1	494	0.0		0.0	
1980		0.1	393	0.1	470	<.1	548	<.1	548	<.1		<.1	511	
1981		0.1	405	0.1	492	<.1	544	<.1	544	<.1		<.1	534	
1982		0.1	408	0.1	505	<.1	547	<.1	547	0.0		0.0		
1983		0.1	418	0.1	514	<.1	399	<.1	399	<.1		<.1	429	
1984		0.1	422	<.1	515	<.1	554	<.1	554	<.1		<.1	509	
1985		0.1	397	<.1	500	<.1	470	<.1	470	<.1		<.1	412	
1986		0.2	392	0.1	532	<.1	545	<.1	545	<.1		<.1	482	
1987		0.2	398	0.1	524	<.1		<.1		<.1		<.1		

Table A.6. (Cont'd.).

Species	Year	Mesh size								
		7.6-cm		10.2-cm		12.7-cm		15.2-cm		
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	
Black drum	1975	0.4	245	0.4	332	<.1	370	0.0	632	
	1976	0.1	262	0.3	305	0.2	483	<.1	623	
	1977	0.1	244	0.2	310	0.1	400	<.1	490	
	1978	0.2	231	0.1	325	0.1	401	<.1	553	
	1979	0.1	241	0.1	310	0.1	435	0.1	614	
	1980	0.2	240	0.5	303	0.1	494	0.1	450	
	1981	0.1	256	0.2	329	0.1	393	0.1	492	
	1982	0.2	247	0.5	314	0.2	404	0.1	490	
	1983	0.2	248	0.2	331	0.2	396	0.1	701	
	1984	0.1	219	<.1	327	<.1	618	<.1	630	
	1985	0.1	226	0.1	334	0.1	396	<.1	504	
	1986	0.1	241	0.2	343	0.1	405	<.1	485	
	1987	0.1	244	0.1	344	0.2	400	0.1		
	Sheepshead	1975	0.0		0.6	265	0.4	335	0.1	340
		1976	<.1		0.6	232	0.3	271	0.1	370
		1977	0.0		0.2	234	0.2	268	0.1	335
		1978	0.0		0.2	268	0.2	321	0.1	344
		1979	0.0		0.1	282	0.4	309	0.2	351
1980		<.1	360	0.1	246	0.2	293	0.2	356	
1981		<.1	262	<.1	288	0.1	315	0.1	365	
1982		<.1	171	<.1	284	0.1	333	0.1	371	
1983		<.1	326	<.1	281	<.1	351	0.1	394	
1984		<.1	532	<.1	448	<.1	397	<.1	459	
1985		<.1	274	<.1	256	<.1	359	<.1	406	
1986		<.1	230	<.1	279	<.1	316	<.1	375	
1987	<.1	299	<.1	321	<.1	350	0.1	390		

Table A.6. (Cont'd.).

Species	Year	Mesh size													
		7.6-cm			10.2-cm			12.7-cm			15.2-cm				
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length		
Southern flounder	1975	<.1	410	<.1	280	<.1	285	<.1	285	0.0		0.0		0.0	
	1976	<.1	268	0.1	304	<.1	341	<.1	341	0.0		0.0		0.0	
	1977	<.1	250	<.1	311	<.1	355	<.1	355	0.1		0.1		0.1	397
	1978	<.1	215	0.0		366	0.1	366	0.1	366	0.1		0.1	366	416
	1979	<.1	281	<.1	348	<.1	378	<.1	378	<.1		<.1		<.1	353
	1980	<.1	228	<.1	336	<.1	431	<.1	431	0.1		0.1		0.1	453
	1981	<.1	278	<.1	323	<.1	389	<.1	389	<.1		<.1		<.1	398
	1982	<.1	347	<.1	303	<.1	364	<.1	364	<.1		<.1		<.1	432
	1983	<.1	316	<.1	318	<.1	325	<.1	325	<.1		<.1		<.1	401
	1984	<.1	237	<.1	327	<.1	352	<.1	352	<.1		<.1		<.1	405
	1985	<.1	236	<.1	306	<.1	370	<.1	370	<.1		<.1		<.1	383
	1986	<.1	311	<.1	337	<.1	357	<.1	357	<.1		<.1		<.1	426
	1987	<.1	326	<.1	314	<.1	388	<.1	388	<.1		<.1		<.1	445
	Atlantic croaker	1975	0.1	283	0.2	355	0.0		0.0		0.0		0.0		0.0
1976		0.2	284	0.1	361	0.0		0.0		0.0		0.0		0.0	
1977		0.4	266	0.4	336	<.1	394	<.1	394	<.1		<.1		<.1	
1978		0.3	291	0.2	357	0.0		0.0		0.0		0.0		0.0	
1979		0.1	272	0.1	342	<.1	382	<.1	382	<.1		<.1		<.1	
1980		0.1	268	0.1	349	<.1	355	<.1	355	0.0		0.0		0.0	368
1981		0.3	286	0.2	351	0.1	381	0.1	381	<.1		<.1		<.1	324
1982		0.1	294	0.2	344	<.1	381	<.1	381	<.1		<.1		<.1	
1983		0.2	288	0.1	340	<.1	334	<.1	334	0.0		0.0		0.0	
1984		0.1	256	<.1	301	0.0		0.0		0.0		0.0		0.0	
1985		0.3	264	<.1	332	<.1	240	<.1	240	<.1		<.1		<.1	
1986		0.2	267	<.1	339	<.1		0.0		0.0		0.0		0.0	
1987		0.2	270	<.1	334	<.1	196	<.1	196	<.1		<.1		<.1	

Table A.6. (Cont'd.).

Species	Year	Mesh size												
		7.6-cm		10.2-cm		12.7-cm		15.2-cm						
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	
Sand seatrout	1975	<.1		<.1	290	0.0							<.1	325
	1976	0.0		0.0		0.0							0.0	
	1977	0.0		0.0		0.0							0.0	
	1978	0.0		0.0		0.0							0.0	
	1979	0.0		0.0		0.0							0.0	
	1980	0.0		0.0		0.0							0.0	
	1981	0.0		0.0		<.1	226						0.0	
	1982	0.0		0.0		<.1	297						0.0	
	1983	0.0		<.1	263	<.1	311						0.0	
	1984	<.1	361	<.1	270	<.1	206						0.0	
	1985	0.0		<.1	237	0.0							0.0	
	1986	0.0		0.0		0.0							<.1	206
	1987	0.0		0.0		0.0							0.0	
	Gafftopsail catfish	1975	0.0		0.0		0.0							<.1
1976		0.0		0.0		0.0							<.1	587
1977		0.0		<.1	385	<.1							0.0	
1978		0.0		0.0		0.0							0.0	
1979		0.0		0.0		0.0							<.1	495
1980		0.0		<.1	520	<.1							<.1	596
1981		<.1	195	<.1	423	<.1							<.1	562
1982		<.1	148	<.1	467	<.1							<.1	570
1983		0.0		<.1	478	<.1							<.1	590
1984		<.1	364	<.1	476	<.1							<.1	558
1985		0.0		<.1	470	<.1							0.1	568
1986		<.1	371	<.1	484	<.1							<.1	571
1987		0.0		<.1	491	<.1							<.1	566

Table A.6. (Cont'd.).

Species	Year	Mesh size											
		7.6-cm		10.2-cm		12.7-cm		15.2-cm		15.2-cm		15.2-cm	
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length
Gulf menhaden	1975	0.0		0.1	331	<.1	262	<.1	262	<.1	280	<.1	280
	1976	0.0		<.1	272	<.1	261	<.1	261	<.1	263	<.1	263
	1977	<.1	242	0.0		0.0				0.0	215	<.1	215
	1978	0.3	254	<.1	225	0.1	222	0.1	222	<.1	228	<.1	228
	1979	<.1	251	0.0		<.1	269	<.1	269	<.1	245	<.1	245
	1980	<.1	238	<.1	250	<.1	265	<.1	265	<.1	230	<.1	230
	1981	<.1	251	<.1	232	<.1	234	<.1	234	<.1	224	<.1	224
	1982	<.1	243	<.1	225	<.1	236	<.1	236	0.0		0.0	
	1983	0.1	248	<.1	255	<.1	214	<.1	214	<.1	232	<.1	232
	1984	0.5	250	<.1	271	<.1	240	<.1	240	<.1	250	<.1	250
	1985	0.1	249	<.1	326	<.1	243	<.1	243	0.0		0.0	
	1986	0.1	244	<.1	278	<.1	223	<.1	223	<.1	232	<.1	232
	1987	<.1	250	0.0		0.0				0.0		0.0	
	Hardhead catfish	1975	0.1	302	<.1		0.0		0.0		0.0	305	<.1
1976		0.1	285	<.1	310	<.1	277	<.1	277	0.0		0.0	
1977		<.1	297	<.1	334	<.1	412	<.1	412	0.0		0.0	
1978		0.1	316	0.1	369	0.0	390	0.0	390	<.1	284	<.1	284
1979		0.1	324	0.1	372	<.1	309	<.1	309	<.1	255	<.1	255
1980		0.2	311	0.1	373	<.1	363	<.1	363	0.0		0.0	
1981		0.2	334	0.1	366	<.1	340	<.1	340	<.1	329	<.1	329
1982		0.2	333	0.1	378	<.1	378	<.1	378	<.1	323	<.1	323
1983		0.2	326	0.2	372	<.1	378	<.1	378	<.1	359	<.1	359
1984		0.3	321	0.3	363	<.1	341	<.1	341	<.1	321	<.1	321
1985		0.2	330	0.2	376	<.1	348	<.1	348	<.1	374	<.1	374
1986		0.3	328	0.3	376	0.1	401	0.1	401	<.1	320	<.1	320
1987		0.1	339	0.2	372	<.1	335	<.1	335	<.1	373	<.1	373

Table A.6. (Cont'd.).

Species	Year	Mesh size											
		7.6-cm		10.2-cm		12.7-cm		15.2-cm					
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length
Total	1975	4.8	318	2.2	355	0.6	442	0.3	509				
finfishes	1976	1.3	336	2.6	328	0.8	421	0.3	647				
	1977	1.6	288	1.2	335	0.5	451	0.3	491				
	1978	3.0	309	1.4	373	0.5	371	0.4	426				
	1979	1.8	333	0.9	369	0.7	426	0.4	459				
	1980	2.1	303	1.6	354	0.8	431	0.4	443				
	1981	2.5	333	1.0	395	0.6	442	0.3	522				
	1982	2.4	319	1.2	375	0.6	452	0.4	504				
	1983	2.0	342	1.1	395	0.5	493	0.3	613				
	1984	2.4	314	0.8	426	0.4	676	0.2	710				
	1985	1.8	306	0.7	412	0.5	532	0.3	710				
	1986	2.0	307	1.1	399	0.6	493	0.2	592				
	1987	1.5	323	0.9	407	0.5	470	0.4	533				

Table A.7. Mean catch rates (No./h) and mean total lengths (mm) by mesh size for selected fishes caught with gill nets in the Corpus Christi Bay system during fall 1975-1987. Blank indicates no measurement taken.

Species	Year	Mesh size											
		7.6-cm		10.2-cm		12.7-cm		15.2-cm					
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length
Red drum	1975	0.3	326	0.1	344	<.1	370	<.1		<.1		290	
	1976	0.2	357	0.1	486	0.2	544	0.2		<.1		638	
	1977	0.2	330	0.1	430	0.1	555	0.1		<.1		554	
	1978	0.2	346	0.1	432	0.1	561	0.1		<.1		592	
	1979	0.6	328	0.1	398	<.1	587	<.1		<.1		673	
	1980	0.6	327	0.1	480	<.1	554	<.1		<.1		540	
	1981	0.3	337	0.1	432	0.1	508	0.1		<.1		494	
	1982	0.2	330	<.1	454	0.1	544	0.1		<.1		678	
	1983	0.1	348	0.1	456	0.1	549	0.1		<.1		529	
	1984	0.6	360	0.1	466	0.1	577	0.1		<.1		671	
	1985	0.4	339	0.2	494	0.2	551	0.2		<.1		616	
	1986	0.2	326	0.2	481	0.1	549	0.1		<.1		640	
	1987	0.2	330	0.1	463	0.1	559	0.1		<.1		621	
	Spotted seatrout	1975	0.2	388	0.2	497	0.1	606	0.1		<.1		680
		1976	0.4	367	0.1	443	<.1	418	<.1		<.1		645
		1977	0.1	403	0.1	516	<.1	657	<.1		<.1		655
1978		0.1	385	<.1	533	0.0		0.0		0.0			
1979		0.2	381	<.1	508	<.1	592	<.1		<.1		431	
1980		0.2	373	0.1	535	<.1	624	<.1		<.1		577	
1981		0.3	402	0.1	474	<.1	577	<.1		<.1		589	
1982		0.1	396	0.1	535	<.1	584	<.1		<.1		577	
1983		0.2	399	0.1	487	<.1	600	<.1		<.1		467	
1984		0.1	410	0.1	529	<.1	529	<.1		<.1		436	
1985	0.2	384	0.1	508	<.1	505	<.1		<.1		546		
1986	0.2	388	0.2	550	<.1	588	<.1		<.1		647		
1987	0.3	400	0.2	527	<.1	588	<.1		<.1		392		

Table A.7. (Cont'd.).

Species	Year	Mesh size																																		
		7.6-cm		10.2-cm		12.7-cm		15.2-cm		15.2-cm		15.2-cm																								
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length																							
Black drum	1975	<.1	232	0.1	311	0.2	387	0.1	445	<.1	488	<.1	479	<.1	438	<.1	504	0.1	438	0.1	473	0.1	470	0.2	481	<.1	486	<.1	478	0.1	499	<.1	492			
	1976	<.1	220	0.1	329	0.2	374	<.1	488	<.1	479	<.1	438	<.1	504	0.1	438	0.1	473	0.1	470	0.2	481	<.1	486	<.1	478	0.1	499	<.1	492					
	1977	<.1		0.1	307	0.1	377	<.1	488	<.1	479	<.1	438	<.1	504	0.1	438	0.1	473	0.1	470	0.2	481	<.1	486	<.1	478	0.1	499	<.1	492					
	1978	<.1	358	<.1	343	<.1	419	<.1	438	<.1	479	<.1	438	<.1	504	0.1	438	0.1	473	0.1	470	0.2	481	<.1	486	<.1	478	0.1	499	<.1	492					
	1979	0.1	222	0.1	308	0.1	393	0.1	438	0.1	473	0.1	470	0.2	481	<.1	486	<.1	478	0.1	499	<.1	492	0.1	470	0.2	481	<.1	486	<.1	478	0.1	499	<.1	492	
	1980	0.1	243	0.1	337	0.3	383	0.3	438	0.1	473	0.1	470	0.2	481	<.1	486	<.1	478	0.1	499	<.1	492	0.1	470	0.2	481	<.1	486	<.1	478	0.1	499	<.1	492	
	1981	0.1	241	0.2	321	0.1	391	0.1	438	0.1	473	0.1	470	0.2	481	<.1	486	<.1	478	0.1	499	<.1	492	0.1	470	0.2	481	<.1	486	<.1	478	0.1	499	<.1	492	
	1982	<.1	243	0.2	337	0.2	399	0.2	438	0.1	473	0.1	470	0.2	481	<.1	486	<.1	478	0.1	499	<.1	492	0.1	470	0.2	481	<.1	486	<.1	478	0.1	499	<.1	492	
	1983	<.1	323	0.2	337	0.3	415	0.3	438	0.1	473	0.1	470	0.2	481	<.1	486	<.1	478	0.1	499	<.1	492	0.1	470	0.2	481	<.1	486	<.1	478	0.1	499	<.1	492	
	1984	<.1	232	0.1	362	0.1	413	0.1	438	0.1	473	0.1	470	0.2	481	<.1	486	<.1	478	0.1	499	<.1	492	0.1	470	0.2	481	<.1	486	<.1	478	0.1	499	<.1	492	
	1985	0.1	232	<.1	396	0.1	415	0.1	438	0.1	473	0.1	470	0.2	481	<.1	486	<.1	478	0.1	499	<.1	492	0.1	470	0.2	481	<.1	486	<.1	478	0.1	499	<.1	492	
	1986	0.1	265	0.1	358	0.2	407	0.2	438	0.1	473	0.1	470	0.2	481	<.1	486	<.1	478	0.1	499	<.1	492	0.1	470	0.2	481	<.1	486	<.1	478	0.1	499	<.1	492	
	1987	<.1	215	<.1	370	0.1	424	0.1	438	0.1	473	0.1	470	0.2	481	<.1	486	<.1	478	0.1	499	<.1	492	0.1	470	0.2	481	<.1	486	<.1	478	0.1	499	<.1	492	
	Sheepshead	1975	0.0		0.0		<.1	390	<.1	373	0.0		<.1	371	0.0		<.1	371	0.0		0.0		<.1	373	0.0		<.1	371	0.0		<.1	371	0.0		<.1	371
		1976	0.0		0.0		<.1	306	<.1	371	0.0		<.1	371	0.0		<.1	371	0.0		0.0		<.1	371	0.0		<.1	371	0.0		<.1	371	0.0		<.1	371
		1977	0.0		<.1	252	0.1	339	0.1	339	0.1	339	0.1	339	0.1	339	0.1	339	0.1	339	0.1	339	0.1	339	0.1	339	0.1	339	0.1	339	0.1	339	0.1	339	0.1	339
		1978	<.1	274	0.0		0.1	363	0.1	376	0.0		0.1	376	0.0		0.1	376	0.0		0.0		0.1	376	0.0		0.1	376	0.0		0.1	376	0.0		0.1	376
1979		0.0		<.1	284	0.1	327	0.1	368	0.0		0.1	368	0.0		0.1	368	0.0		0.0		0.1	368	0.0		0.1	368	0.0		0.1	368	0.0		0.1	368	
1980		<.1	288	<.1	320	0.1	364	0.1	390	<.1	390	0.1	390	<.1	390	0.1	390	<.1	390	0.1	390	0.1	390	0.1	390	0.1	390	0.1	390	0.1	390	0.1	390	0.1	390	
1981		<.1	324	<.1	299	0.1	326	0.1	390	<.1	390	0.1	390	<.1	390	0.1	390	<.1	390	0.1	390	0.1	390	0.1	390	0.1	390	0.1	390	0.1	390	0.1	390	0.1	390	
1982		0.0		<.1	328	0.1	345	0.1	394	0.0		0.1	394	0.0		0.1	394	0.0		0.0		0.1	394	0.0		0.1	394	0.0		0.1	394	0.0		0.1	394	
1983		<.1	406	<.1	341	0.1	357	0.1	380	<.1	380	0.1	380	<.1	380	0.1	380	<.1	380	0.1	380	0.1	380	0.1	380	0.1	380	0.1	380	0.1	380	0.1	380	0.1	380	
1984		<.1	433	<.1	351	0.1	377	0.1	426	<.1	426	0.1	426	<.1	426	0.1	426	<.1	426	0.1	426	0.1	426	0.1	426	0.1	426	0.1	426	0.1	426	0.1	426	0.1	426	
1985		<.1	188	<.1	339	0.1	347	0.1	395	<.1	395	0.1	395	<.1	395	0.1	395	<.1	395	0.1	395	0.1	395	0.1	395	0.1	395	0.1	395	0.1	395	0.1	395	0.1	395	
1986		<.1	304	<.1	329	0.1	349	0.1	390	<.1	390	0.1	390	<.1	390	0.1	390	<.1	390	0.1	390	0.1	390	0.1	390	0.1	390	0.1	390	0.1	390	0.1	390	0.1	390	
1987		0.0		<.1	292	0.1	336	0.1	371	0.0		0.1	371	0.0		0.1	371	0.0		0.0		0.1	371	0.0		0.1	371	0.0		0.1	371	0.0		0.1	371	

Table A.7. (Cont'd.).

Species	Year	Mesh size								
		7.6-cm		10.2-cm		12.7-cm		15.2-cm		
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	
Southern flounder	1975	<.1	485	0.1	271	<.1	445	<.1	430	
	1976	<.1	344	<.1	306	0.1	348	0.1	383	
	1977	0.0		<.1	245	<.1	324	0.1	429	
	1978	<.1	306	<.1	358	0.1	388	<.1	399	
	1979	<.1	294	<.1	307	<.1	388	<.1	427	
	1980	<.1	234	0.1	346	<.1	345	<.1	454	
	1981	<.1	322	<.1	328	<.1	353	<.1	415	
	1982	<.1	254	<.1	311	<.1	381	<.1	438	
	1983	<.1	328	<.1	315	<.1	361	<.1	420	
	1984	<.1	275	<.1	306	<.1	369	<.1	417	
	1985	<.1	328	<.1	307	<.1	370	<.1	405	
	1986	<.1	340	<.1	333	<.1	399	<.1	434	
	1987	<.1	317	<.1	308	<.1	347	<.1	453	
	Atlantic croaker	1975	0.1	269	0.3	340	<.1	285	0.0	
		1976	0.2	273	0.3	343	0.1	352	<.1	280
		1977	0.1	292	0.4	354	0.1	377	0.0	
		1978	0.3	285	0.1	342	<.1	283	0.0	
1979		0.1	270	0.4	349	<.1	368	0.0		
1980		0.6	280	1.0	348	<.1	316	0.0		
1981		0.4	283	0.3	349	<.1	389	<.1	348	
1982		0.5	294	0.5	349	0.1	383	<.1	324	
1983		0.4	297	0.5	341	<.1	346	<.1	314	
1984		0.4	267	<.1	321	<.1	249	0.0		
1985		0.5	266	0.1	327	<.1	319	0.0		
1986		1.0	279	0.3	341	<.1	292	0.0		
1987		0.5	289	1.0	340	0.1	346	<.1	298	

Table A.7. (Cont'd.).

Species	Year	Mesh size											
		7.6-cm		10.2-cm		12.7-cm		15.2-cm					
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length
Sand seatrout	1975	<.1	360	<.1	280	0.0		<.1		<.1		225	
	1976	<.1	345	0.1	287	0.1	304	0.1		0.1		304	
	1977	0.0		0.0		0.0		0.0		0.0			
	1978	0.0		0.0		0.0		0.0		0.0			
	1979	<.1	312	<.1	275	0.0		0.0		0.0			
	1980	0.0		0.0		0.0		0.0		0.0			
	1981	<.1	318	<.1	231	<.1	250	<.1		0.0		315	
	1982	<.1	302	<.1	324	<.1	271	<.1		<.1		300	
	1983	0.0		<.1	252	<.1	271	<.1		<.1		282	
	1984	<.1	331	<.1	285	<.1	272	<.1		<.1		312	
	1985	<.1	271	<.1	223	<.1	235	<.1		<.1			
	1986	<.1	291	<.1	258	<.1	226	<.1		0.0			
	1987	0.0		<.1	280	<.1	255	<.1		<.1		215	
	Gafftopsail catfish	1975	0.0		0.0		<.1	570	<.1		<.1		577
1976		0.0		0.0		0.0		0.0		<.1		476	
1977		0.0		0.0		0.0		0.0		<.1		600	
1978		0.0		0.0		<.1	538	<.1		<.1		569	
1979		0.0		0.0		0.0		0.0		0.0			
1980		0.0		0.0		<.1	507	<.1		<.1		592	
1981		<.1	339	<.1	485	<.1	543	<.1		<.1		545	
1982		0.0		<.1	496	<.1	516	<.1		<.1		571	
1983		<.1	333	<.1	466	<.1	535	<.1		<.1		570	
1984		<.1	318	<.1	430	<.1	454	<.1		<.1		578	
1985		<.1	324	<.1	505	<.1	550	<.1		<.1		558	
1986		<.1	266	<.1	467	<.1	522	<.1		<.1		560	
1987		0.0		<.1	369	<.1	508	<.1		<.1		587	

Table A.7. (Cont'd.).

Species	Year	Mesh size												
		7.6-cm		10.2-cm		12.7-cm		15.2-cm		15.2-cm		15.2-cm		
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	
Gulf menhaden	1975	0.2	269	0.2	300	<.1	275	<.1	275	<.1	275	<.1	275	
	1976	0.1	253	0.2	294	<.1	262	<.1	262	0.1	259	0.1	259	
	1977	1.6	251	0.2	279	0.1	262	0.1	262	0.1	251	0.1	251	
	1978	1.3	250	0.1	252	<.1	259	<.1	259	<.1	246	<.1	246	
	1979	0.2	251	<.1	243	<.1	250	<.1	250	<.1	273	<.1	273	
	1980	<.1	240	0.0		0.0		0.0		<.1	262	<.1	262	
	1981	0.2	254	<.1	268	<.1	250	<.1	250	<.1	258	<.1	258	
	1982	0.6	256	<.1	250	<.1	260	<.1	260	<.1	252	<.1	252	
	1983	0.2	250	<.1	301	<.1	240	<.1	240	<.1	294	<.1	294	
	1984	0.3	259	0.2	322	<.1	274	<.1	274	<.1	270	<.1	270	
	1985	0.3	249	0.1	288	<.1	254	<.1	254	<.1	252	<.1	252	
	1986	0.6	250	0.1	307	<.1	244	<.1	244	<.1	261	<.1	261	
	1987	0.1	245	0.1	282	<.1	251	<.1	251	<.1	229	<.1	229	
	Hardhead catfish	1975	0.2	316	0.1	342	<.1	340	<.1	340	<.1	320	<.1	320
		1976	0.2	316	<.1	270	0.1	277	0.1	277	0.1	295	0.1	295
		1977	0.1	304	0.1	366	<.1	276	<.1	276	<.1	298	<.1	298
		1978	0.1	325	0.1	319	<.1	274	<.1	274	<.1	328	<.1	328
1979		0.1	334	0.1	336	0.1	321	0.1	321	<.1	325	<.1	325	
1980		0.1	324	0.2	372	<.1	368	<.1	368	0.0		0.0		
1981		0.2	329	0.1	375	<.1	360	<.1	360	<.1	365	<.1	365	
1982		0.2	330	0.1	369	<.1	353	<.1	353	<.1	358	<.1	358	
1983		0.3	333	0.1	362	<.1	343	<.1	343	<.1	308	<.1	308	
1984		0.2	333	0.1	354	<.1	356	<.1	356	<.1	356	<.1	356	
1985		0.3	329	0.2	380	<.1	357	<.1	357	<.1	379	<.1	379	
1986		0.2	332	0.2	379	<.1	378	<.1	378	<.1	370	<.1	370	
1987		0.2	326	0.2	285	0.1	403	0.1	403	<.1	380	<.1	380	

Table A.7. (Cont'd.).

Species	Year	Mesh size																
		7.6-cm		10.2-cm		12.7-cm		15.2-cm		15.2-cm		Length						
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length					
Pinfish	1975	0.0		<.1	180	0.0		0.0		0.0		0.0		0.0		0.0		
	1976	<.1	193	<.1	218	0.0		0.0		0.0		0.0		0.0		0.0		
	1977	0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		
	1978	<.1	222	<.1	201	0.0		0.0		0.0		0.0		0.0		0.0		
	1979	<.1	211	<.1	269	0.0		0.0		0.0		0.0		0.0		0.0		
	1980	0.1	227	<.1	279	<.1	215	<.1		<.1		215	<.1		0.0		0.0	
	1981	<.1	225	<.1	272	0.0		0.0		0.0		0.0		0.0		0.0		
	1982	0.1	219	<.1	280	<.1	328	<.1		<.1		328	<.1		<.1		291	
	1983	0.1	224	<.1	265	<.1	222	<.1		<.1		222	<.1		<.1		251	
	1984	<.1	212	<.1	248	0.0		0.0		0.0		0.0		0.0		0.0		
	1985	<.1	191	<.1	182	0.0		0.0		0.0		0.0		0.0		0.0		
	1986	<.1	176	<.1	181	0.0		0.0		0.0		0.0		0.0		0.0		
	1987	0.2	224	<.1	229	<.1	218	<.1		<.1		218	<.1		0.0		0.0	
	Spot	1975	0.7	232	0.2	306	<.1		<.1		<.1		275	<.1		0.0		0.0
		1976	0.3	228	0.0		0.0		0.0		0.0			0.0		0.0		0.0
		1977	0.2	222	<.1	289	0.0		0.0		0.0			0.0		0.0		0.0
		1978	0.2	245	<.1	261	0.0		0.0		0.0			0.0		0.0		0.0
		1979	<.1	235	<.1	294	0.0		0.0		0.0			0.0		0.0		0.0
1980		0.2	235	0.1	280	0.0		0.0		0.0			0.0		0.0		0.0	
1981		0.1	242	<.1	278	0.0		0.0		0.0			0.0		0.0		0.0	
1982		0.4	245	0.1	301	0.0		0.0		0.0			0.0		<.1		303	
1983		0.2	252	0.1	278	0.0		0.0		0.0			0.0		<.1		274	
1984		0.4	248	<.1	299	0.0		0.0		0.0			0.0		0.0		0.0	
1985		0.3	239	<.1	276	0.0		0.0		0.0			0.0		0.0		0.0	
1986		0.4	240	<.1	279	0.0		0.0		0.0			0.0		0.0		0.0	
1987		0.3	245	<.1	271	<.1	263	<.1		<.1		263	<.1		0.0		0.0	

Table A.7. (Cont'd.).

Species	Year	Mesh size												
		7.6-cm		10.2-cm		12.7-cm		15.2-cm		15.2-cm		Length		
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	
Striped mullet	1975	0.4	337	0.5	409	0.1	424	<.1		<.1		<.1		390
	1976	0.3	316	<.1	418	<.1	463	<.1		0.0		0.0		
	1977	0.1	312	0.2	404	<.1	440	<.1		0.0		0.0		
	1978	0.1	331	<.1	377	<.1	327	<.1		<.1		<.1		353
	1979	0.2	330	0.1	411	<.1	344	<.1		<.1		<.1		347
	1980	0.2	319	<.1	426	0.0		<.1		<.1		<.1		460
	1981	0.2	329	<.1	415	<.1	497	<.1		<.1		<.1		327
	1982	0.2	330	<.1	399	<.1	370	<.1		<.1		<.1		375
	1983	0.2	331	0.1	396	<.1	374	<.1		<.1		<.1		386
	1984	0.2	329	0.1	426	<.1	415	<.1		<.1		<.1		500
	1985	0.2	325	<.1	388	<.1	386	<.1		<.1		<.1		349
	1986	0.1	327	<.1	418	<.1	505	<.1		0.0		0.0		
	1987	0.3	323	0.1	394	<.1	525	<.1		0.0		0.0		
Other finfishes	1975	0.1	278	0.8	347	0.1	567	<.1		<.1		<.1		240
	1976	0.3	293	0.4	338	0.2	368	0.1		0.1		0.1		763
	1977	0.4	269	0.7	334	<.1	373	<.1		<.1		<.1		1180
	1978	<.1	284	0.1	350	<.1	248	<.1		<.1		<.1		453
	1979	0.1	294	0.2	312	0.1	371	<.1		<.1		<.1		455
	1980	0.2	242	0.1	316	0.1	341	<.1		<.1		<.1		769
	1981	0.4	326	0.5	396	0.1	496	0.1		0.1		0.1		655
	1982	0.4	323	0.3	360	0.1	466	0.1		0.1		0.1		617
	1983	0.4	307	1.2	360	0.1	428	0.1		<.1		<.1		661
	1984	0.2	324	0.4	425	<.1	514	<.1		<.1		<.1		659
	1985	0.2	337	0.1	376	<.1	652	<.1		<.1		<.1		696
	1986	0.3	287	0.2	301	0.1	529	<.1		<.1		<.1		656
	1987	0.3	303	0.2	330	0.1	404	<.1		<.1		<.1		740

Table A.7. (Cont'd.).

Species	Year	Mesh size											
		7.6-cm		10.2-cm		12.7-cm		15.2-cm					
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length
Total	1975	2.2	290	2.8	358	0.6	438	0.4	407				
finfishes	1976	2.0	305	1.4	350	1.0	383	0.5	458				
	1977	2.8	280	2.0	352	0.7	379	0.4	440				
	1978	2.5	291	0.6	345	0.4	398	0.3	429				
	1979	1.8	303	1.0	328	0.5	379	0.2	405				
	1980	2.3	291	1.8	351	0.7	403	0.3	450				
	1981	2.3	316	1.6	380	0.6	427	0.4	496				
	1982	2.7	294	1.5	355	0.6	414	0.3	476				
	1983	2.2	312	2.5	351	0.8	420	0.4	499				
	1984	2.6	308	1.1	384	0.3	442	0.2	504				
	1985	2.4	306	0.9	396	0.5	472	0.2	531				
	1986	3.3	306	1.3	384	0.5	457	0.2	476				
	1987	2.4	308	1.9	381	0.5	419	0.2	469				

Table A.8. Mean catch rates (No./h) and mean total lengths (mm) by mesh size for selected fishes caught with gill nets in the upper Laguna Madre system during fall 1975-1987. Blank indicates no measurement taken.

Species	Year	Mesh size								
		7.6-cm		10.2-cm		12.7-cm		15.2-cm		
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	
Red drum	1975	0.1	309	<.1	415	0.1	589	0.1	525	
	1976	0.1	317	0.1	387	0.2	559	<.1	569	
	1977	0.2	353	<.1	409	0.0		0.0		
	1978	0.2	379	<.1	549	<.1	519	<.1	637	
	1979	0.4	351	0.1	450	<.1	518	<.1	610	
	1980	0.1	316	0.3	487	0.1	522	<.1	493	
	1981	0.1	381	0.1	467	0.1	562	0.1	617	
	1982	0.1	336	<.1	480	0.1	562	<.1	648	
	1983	0.1	352	<.1	483	0.1	560	<.1	587	
	1984	0.2	402	0.3	453	0.1	544	<.1	591	
	1985	0.1	328	0.1	472	0.1	584	<.1	535	
	1986	0.1	361	0.2	486	0.1	560	<.1	592	
	1987	<.1	371	0.1	495	0.1	572	0.1	649	
	Spotted seatrout	1975	0.2	423	<.1	543	<.1	620	0.0	
		1976	0.1	396	<.1	465	<.1	668	0.0	
1977		0.4	373	0.1	485	<.1	612	<.1	588	
1978		0.3	403	0.1	509	<.1	635	<.1	670	
1979		0.1	408	<.1	522	<.1	549	0.0		
1980		0.1	407	<.1	465	<.1	532	0.0		
1981		0.1	403	0.1	511	<.1	576	<.1	518	
1982		0.3	395	0.1	528	<.1	510	<.1	478	
1983		0.2	409	0.1	502	<.1	630	<.1	687	
1984		0.1	382	<.1	512	<.1	620	<.1	505	
1985		0.1	405	<.1	516	<.1	515	<.1	496	
1986		0.2	399	<.1	541	<.1	575	<.1	469	
1987		0.1	397	<.1	539	<.1	636	<.1	552	

Table A.8. (Cont'd.).

Species	Year	Mesh size							
		7.6-cm		10.2-cm		12.7-cm		15.2-cm	
		No./h	Length	No./h	Length	No./h	Length	No./h	Length
Southern flounder	1975	<.1	223	0.0		<.1	510	0.1	489
	1976	<.1	231	<.1	295	<.1	330	<.1	448
	1977	0.0		0.0		<.1	491	0.0	
	1978	<.1	235	<.1	362	<.1	330	<.1	416
	1979	<.1	209	0.0		<.1	386	<.1	458
	1980	<.1	190	0.0		<.1	344	<.1	457
	1981	<.1	279	<.1	346	<.1	414	<.1	451
	1982	<.1	270	<.1	302	<.1	376	<.1	429
	1983	<.1	315	<.1	296	<.1	355	<.1	444
	1984	<.1	225	<.1	313	<.1	358	<.1	407
	1985	<.1	270	<.1	312	<.1	357	<.1	420
	1986	<.1	277	<.1	356	<.1	380	<.1	425
	1987	<.1	216	<.1	278	<.1	400	<.1	453
	Atlantic croaker	1975	0.1	272	<.1	342	<.1	420	0.0
1976		0.1	265	0.3	346	0.1	361	0.0	
1977		0.1	277	0.6	349	0.1	399	0.0	
1978		0.3	265	0.1	336	0.0		0.0	
1979		<.1	271	<.1	361	0.0		0.0	
1980		0.1	258	<.1	350	<.1	270	0.0	454
1981		0.1	260	0.1	347	<.1	378	<.1	395
1982		0.2	298	0.2	357	<.1	384	<.1	
1983		<.1	265	<.1	358	<.1	480	0.0	
1984		0.1	262	<.1	278	0.0		0.0	
1985		0.1	292	<.1	345	<.1	376	0.0	286
1986		<.1	291	0.1	339	<.1	269	<.1	304
1987		<.1	269	<.1	342	0.0		<.1	

Table A.8. (Cont'd.).

Species	Year	Mesh size															
		7.6-cm		10.2-cm		12.7-cm		15.2-cm									
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length				
Pinfish	1975	<.1	178	0.0		0.0		0.0		0.0		0.0		0.0		0.0	
	1976	0.0		<.1	240	0.0		0.0		0.0		0.0		0.0		0.0	
	1977	<.1	191	0.1	294	0.0		0.0		0.0		0.0		0.0		0.0	
	1978	<.1	190	<.1	189	0.0		0.0		0.0		0.0		0.0		0.0	
	1979	<.1	155	0.0		0.0		0.0		0.0		0.0		0.0		0.0	
	1980	<.1	161	0.0		0.0		<.1	210	<.1		0.0		0.0		0.0	
	1981	<.1	217	<.1	339	0.0		0.0		0.0		0.0		0.0		0.0	
	1982	<.1	207	<.1	284	<.1		<.1	185	<.1		0.0		0.0		0.0	
	1983	0.1	178	<.1	326	0.0		0.0		0.0		0.0		0.0		0.0	
	1984	<.1	179	<.1	284	0.0		0.0		0.0		0.0		0.0		0.0	
	1985	<.1	180	0.0		0.0		<.1	195	<.1		0.0		0.0		0.0	
	1986	<.1	188	0.0		0.0		0.0		0.0		0.0		0.0		0.0	
	1987	<.1	189	<.1	135	0.0		0.0		0.0		0.0		0.0		0.0	
	Spot	1975	0.2	238	0.2	302	0.0		0.0		0.0		0.0		0.0		0.0
		1976	0.1	226	<.1	288	0.0		0.0		0.0		0.0		0.0		0.0
		1977	0.1	234	0.1	289	0.0		0.0		0.0		0.0		0.0		0.0
		1978	0.2	242	0.1	290	0.0		0.0		0.0		0.0		0.0		0.0
1979		0.1	236	<.1	315	<.1		<.1	302	<.1		0.0		0.0		0.0	
1980		0.2	240	0.0		0.0		0.0		0.0		0.0		0.0		0.0	
1981		0.2	242	<.1	280	<.1		0.0		0.0		0.0		0.0		0.0	
1982		0.2	239	<.1	264	<.1		0.0		0.0		0.0		0.0		0.0	
1983		0.1	233	<.1	298	<.1		0.0		0.0		0.0		0.0		0.0	
1984		<.1	230	0.0		0.0		0.0		0.0		0.0		0.0		0.0	
1985		0.4	229	<.1	270	<.1		0.0		0.0		0.0		0.0		0.0	
1986		0.1	224	<.1	292	<.1		0.0		0.0		0.0		0.0		0.0	
1987		<.1	227	<.1	270	<.1		0.0		0.0		0.0		0.0		0.0	

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Table A.8. (Cont'd.).

Species	Year	Mesh size							
		7.6-cm		10.2-cm		12.7-cm		15.2-cm	
		No./h	Length	No./h	Length	No./h	Length	No./h	Length
Striped mullet	1975	0.4	326	0.1	414	0.0		0.0	
	1976	0.3	336	0.5	415	<.1	500	0.0	
	1977	0.1	332	0.2	414	<.1	481	<.1	382
	1978	0.1	348	<.1	390	0.0		0.0	
	1979	0.2	348	0.5	422	<.1	430	0.0	
	1980	0.2	334	0.1	422	<.1	362	0.0	
	1981	0.2	344	0.1	427	<.1	348	<.1	384
	1982	0.2	338	<.1	377	<.1	345	0.0	
	1983	0.2	334	0.2	414	0.0		<.1	383
	1984	0.2	347	0.2	408	0.0		<.1	458
	1985	0.1	348	0.2	419	<.1	426	0.0	
	1986	<.1	331	<.1	421	<.1		0.0	
	1987	<.1	334	0.1	425	<.1	401	0.0	
	Other finfishes	1975	0.1	398	0.3	351	0.1	389	<.1
1976		<.1	970	0.1	367	<.1	369	<.1	380
1977		0.1	273	0.2	321	<.1	396	<.1	187
1978		<.1	497	0.4	327	<.1	327	0.0	
1979		<.1	332	0.1	350	0.1	390	<.1	455
1980		0.1	436	0.1	371	0.1	404	<.1	597
1981		<.1	316	0.1	372	<.1	425	<.1	584
1982		0.1	328	0.1	403	<.1	510	<.1	479
1983		0.1	400	<.1	339	<.1	424	<.1	462
1984		<.1	316	<.1	469	<.1	526	<.1	472
1985		<.1	381	<.1	355	<.1	407	<.1	367
1986		<.1	397	<.1	325	<.1	501	<.1	512
1987		<.1	393	<.1	420	<.1	602	<.1	491

Table A.8. (Cont'd.).

Species	Year	Mesh size											
		7.6-cm		10.2-cm		12.7-cm		15.2-cm					
		No./h	Length	No./h	Length	No./h	Length	No./h	Length				
Total	1975	1.6	304	1.0	355	0.9	440	0.9	456				
finfishes	1976	1.0	317	2.5	354	0.8	449	0.7	495				
	1977	2.0	296	2.1	343	0.7	397	0.5	463				
	1978	1.6	319	1.0	363	0.8	392	0.4	450				
	1979	1.0	322	0.9	394	0.4	370	0.2	468				
	1980	1.5	300	1.0	390	0.8	374	0.3	451				
	1981	1.6	294	0.6	383	0.5	441	0.4	466				
	1982	1.4	318	1.0	369	0.8	400	0.3	458				
	1983	1.5	312	0.6	381	0.4	427	0.4	449				
	1984	1.5	327	0.9	396	0.4	424	0.3	468				
	1985	1.6	313	0.9	378	0.7	438	0.2	429				
	1986	0.8	319	1.7	402	0.5	405	0.3	462				
	1987	0.5	328	0.5	411	0.4	455	0.2	508				

Table A.9. Mean catch rates (No./h) and mean total lengths (mm) by mesh size for selected fishes caught with gill nets in the lower Laguna Madre system during fall 1975-1987. Blank indicates no measurement taken.

Species	Year	Mesh size												
		7.6-cm		10.2-cm		12.7-cm		15.2-cm						
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	
Red drum	1975	0.2	364	0.3	433	0.2	532	0.1	666					
	1976	0.4	351	0.4	418	0.3	549	0.2	651					
	1977	0.1	356	0.2	472	0.1	508	<.1	576					
	1978	0.1	364	0.1	458	<.1	537	0.1	688					
	1979	0.2	349	0.1	426	0.1	603	0.1	650					
	1980	0.2	358	0.3	459	0.2	500	<.1	505					
	1981	0.2	357	0.2	461	0.2	559	0.2	619					
	1982	0.2	344	0.1	450	0.1	551	<.1	606					
	1983	0.2	345	0.1	474	0.3	564	0.1	599					
	1984	0.3	357	0.1	447	0.1	590	0.1	673					
	1985	0.2	364	0.4	472	0.2	575	0.1	648					
	1986	0.3	348	0.3	479	0.2	580	0.1	666					
	1987	0.1	358	0.6	491	0.5	574	0.2	622					
	Spotted seatrout	1975	0.5	374	0.1	491	0.1	489	<.1	602				
		1976	1.5	374	0.9	474	0.2	613	0.1	663				
		1977	0.6	414	0.1	509	0.1	620	<.1	498				
		1978	0.4	377	<.1	453	0.1	616	<.1	721				
1979		0.2	394	0.1	501	<.1	580	<.1	692					
1980		0.2	406	0.1	476	0.1	594	<.1	642					
1981		0.4	406	0.2	525	0.1	612	<.1	557					
1982		0.3	387	0.1	513	0.1	609	<.1	570					
1983		0.3	409	0.2	524	0.1	621	<.1	584					
1984		0.3	391	0.1	522	<.1	619	<.1	607					
1985		0.3	392	0.2	531	0.1	619	<.1	556					
1986	0.6	389	0.3	537	0.1	631	<.1	579						
1987	0.4	387	0.2	535	0.1	637	<.1	572						

Table A.9. (Cont'd.).

Species	Year	Mesh size							
		7.6-cm		10.2-cm		12.7-cm		15.2-cm	
		No./h	Length	No./h	Length	No./h	Length	No./h	Length
Black drum	1975	<.1	218	0.2	371	0.2	394	0.6	508
	1976	0.1	297	0.2	344	1.1	395	1.0	473
	1977	0.2	241	0.2	360	0.8	403	1.0	482
	1978	<.1	214	0.1	332	0.2	382	0.1	461
	1979	<.1	243	0.1	378	0.2	417	0.2	487
	1980	<.1	236	0.4	346	0.4	405	0.2	496
	1981	0.1	248	0.1	365	0.3	401	0.2	462
	1982	0.1	267	0.8	337	0.7	403	0.3	497
	1983	0.1	288	0.2	365	0.3	432	0.3	479
	1984	<.1	260	0.1	353	0.1	465	0.2	506
	1985	<.1	306	0.1	369	0.2	422	0.2	514
	1986	<.1	271	0.1	380	0.2	439	0.2	491
	1987	<.1	292	0.1	359	0.2	442	0.3	516
	Sheepshead	1975	0.0		0.0		<.1	330	0.1
1976		0.0		0.1	274	0.1	318	0.2	372
1977		0.0		<.1	256	0.1	333	0.2	384
1978		<.1	162	<.1	276	<.1	306	<.1	349
1979		0.0		<.1	280	<.1	361	0.1	373
1980		<.1	248	0.1	262	0.2	327	0.1	368
1981		<.1	205	0.1	297	0.1	327	0.1	361
1982		<.1	266	0.1	289	0.2	333	0.1	357
1983		<.1	225	<.1	313	0.2	333	0.1	368
1984		<.1	355	<.1	306	<.1	333	<.1	380
1985		<.1	324	<.1	304	<.1	352	<.1	413
1986		<.1	398	<.1	274	<.1	334	<.1	403
1987		<.1	318	<.1	260	0.1	326	0.1	389

Table A.9. (Cont'd.).

Species	Year	Mesh size											
		7.6-cm		10.2-cm		12.7-cm		15.2-cm					
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length
Southern flounder	1975	<.1	205	<.1	278	0.1	355	<.1	462	<.1	355	<.1	462
	1976	0.0		<.1	362	0.1	388	<.1	419	<.1	388	<.1	419
	1977	0.0		<.1	367	<.1	330	<.1	373	<.1	330	<.1	373
	1978	0.0		<.1	281	<.1	348	0.0		0.0	348	0.0	
	1979	<.1	370	<.1	279	<.1	361	0.1	417	0.1	361	0.1	417
	1980	<.1	224	<.1	628	0.1	374	<.1	446	<.1	374	<.1	446
	1981	<.1	300	<.1	336	<.1	387	<.1	410	<.1	387	<.1	410
	1982	<.1	283	0.1	314	0.1	373	<.1	433	<.1	373	<.1	433
	1983	<.1	363	<.1	356	<.1	377	<.1	424	<.1	377	<.1	424
	1984	<.1	225	<.1	283	<.1	321	<.1	396	<.1	321	<.1	396
	1985	<.1	269	<.1	305	<.1	358	<.1	387	<.1	358	<.1	387
	1986	<.1	344	0.1	321	<.1	380	<.1	419	<.1	380	<.1	419
	1987	<.1	435	<.1	373	<.1	392	<.1	434	<.1	392	<.1	434
	Atlantic croaker	1975	<.1	312	0.1	351	0.0	377	0.0		0.0	377	0.0
1976		0.1	278	0.2	345	<.1		<.1		<.1		<.1	
1977		<.1	295	0.1	355	0.0		0.0		0.0		0.0	
1978		<.1	240	<.1	377	0.0		0.0		0.0		0.0	
1979		<.1	273	0.1	344	<.1	404	<.1		0.0	404	<.1	
1980		0.2	273	<.1	366	<.1	406	<.1		0.0	406	<.1	
1981		0.3	295	0.1	348	<.1	375	<.1		<.1	375	<.1	
1982		0.1	296	0.1	354	<.1	393	<.1		0.0	393	0.0	
1983		0.3	286	0.2	348	<.1	435	<.1		0.0	435	0.0	
1984		0.1	262	<.1	312	<.1	237	<.1		0.0	237	0.0	
1985		0.3	269	<.1	378	<.1	330	<.1		0.0	330	0.0	
1986		0.2	282	0.1	340	<.1	308	<.1		<.1	308	<.1	
1987		0.1	287	0.2	376	<.1	281	<.1		0.0	281	0.0	

Table A.9. (Cont'd.).

Species	Year	Mesh size															
		7.6-cm		10.2-cm		12.7-cm		15.2-cm									
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length				
Sand seatrout	1975	0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0	
	1976	0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0	
	1977	0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0	
	1978	0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0	
	1979	0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0	
	1980	0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0	
	1981	<.1	341	<.1	292	<.1	300	<.1	326	<.1	300	<.1	326	<.1	300	<.1	326
	1982	<.1	307	<.1	306	<.1	303	<.1	293	<.1	303	<.1	293	<.1	303	<.1	293
	1983	<.1	325	<.1	237	<.1	361	<.1	290	<.1	361	<.1	290	<.1	361	<.1	290
	1984	<.1	323	<.1	288	<.1	296	<.1	276	<.1	296	<.1	276	<.1	296	<.1	276
	1985	<.1	332	<.1	329	<.1	302	<.1	276	<.1	302	<.1	276	<.1	302	<.1	276
	1986	0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0	
	1987	0.0		0.0	367	0.0	324	0.0	321	0.0	324	0.0	321	0.0	324	0.0	321
	Gafftopsail catfish	1975	0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0
1976		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0	
1977		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0	
1978		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0	
1979		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0	
1980		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0	
1981		<.1	322	<.1	313	<.1	316	<.1	282	<.1	316	<.1	282	<.1	316	<.1	282
1982		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0	
1983		0.0		0.0	385	0.0	480	0.0	262	0.0	480	0.0	262	0.0	480	0.0	262
1984		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0	
1985		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0	
1986		<.1	346	<.1	371	<.1	508	<.1	321	<.1	508	<.1	321	<.1	508	<.1	321
1987		0.0		0.0	366	0.0	508	0.0	321	0.0	508	0.0	321	0.0	508	0.0	321

Table A.9. (Cont'd.).

Species	Year	Mesh size									
		7.6-cm		10.2-cm		12.7-cm		15.2-cm			
		No./h	Length	No./h	Length	No./h	Length	No./h	Length		
Gulf menhaden	1975	0.0		0.1	312	0.0		0.0		0.0	
	1976	<.1	258	<.1	310	<.1	255	<.1		0.0	
	1977	0.1	217	<.1	170	0.0		0.0		0.0	
	1978	0.0		0.0		0.0		0.0		0.0	
	1979	<.1	266	<.1	321	0.0		<.1		0.0	
	1980	0.0		0.1	325	0.0		0.0		0.0	
	1981	<.1	253	<.1	327	<.1	268	<.1		<.1	255
	1982	<.1	257	<.1	221	0.0		0.0		0.0	
	1983	<.1	248	<.1	287	0.0		0.0		<.1	280
	1984	0.1	245	0.1	322	<.1	271	<.1		<.1	293
	1985	<.1	250	<.1	319	<.1	259	<.1		0.0	260
	1986	<.1	210	<.1	336	<.1	256	<.1		<.1	222
	1987	0.0		<.1	336	<.1	220	<.1		<.1	
	Hardhead catfish	1975	0.2	304	0.0		0.1	282	0.1		0.0
1976		0.3	318	0.2	242	0.1	294	0.1		<.1	
1977		0.4	309	0.2	323	0.1	373	0.1		0.0	
1978		0.4	325	0.1	347	0.1	413	0.1		<.1	375
1979		0.3	332	0.1	351	<.1	309	<.1		<.1	340
1980		0.2	331	0.2	343	0.1	304	0.1		<.1	307
1981		0.3	329	0.2	369	0.1	374	0.1		0.1	329
1982		0.3	317	0.3	349	0.1	327	0.1		0.1	328
1983		0.5	337	0.3	380	0.1	353	0.1		<.1	344
1984		0.4	321	0.3	345	0.1	322	0.1		0.1	316
1985		0.5	321	0.3	320	0.1	297	0.1		<.1	315
1986		0.4	330	0.3	382	0.1	375	0.1		<.1	336
1987		0.1	338	0.2	377	0.1	378	0.1		0.1	368

Table A.9. (Cont'd.).

Species	Year	Mesh size								
		7.6-cm		10.2-cm		12.7-cm		15.2-cm		
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	
Pinfish	1975	0.0		0.0		0.0		0.0		
	1976	<.1	220	0.0		0.0		0.0		
	1977	0.1	209	0.0		0.0		0.0		
	1978	0.0		<.1	230	0.0		0.0		
	1979	<.1	218	0.0		0.0		0.0		
	1980	0.0		0.0		0.0		0.0		
	1981	<.1	198	<.1	268	<.1	285	0.0		
	1982	<.1	239	0.0		0.0		0.0		
	1983	<.1	212	<.1	155	0.0		0.0		
	1984	<.1	172	0.0		0.0		0.0		
	1985	<.1	182	0.0		0.0		0.0		
	1986	<.1	143	0.0		0.0		0.0		
	1987	<.1	192	<.1	157	<.1	211	0.0		
	Spot	1975	0.2	236	0.0		0.0		0.0	
		1976	0.3	235	0.2	291	0.0		0.0	
		1977	0.3	245	<.1	294	0.0		0.0	
		1978	0.1	223	0.0		0.0		0.0	
1979		0.1	241	<.1	316	0.0		0.0		
1980		<.1	250	0.0		0.0		0.0		
1981		0.1	234	<.1	271	0.0		0.0		
1982		0.2	242	<.1	294	0.0		0.0		
1983		0.1	239	<.1	273	<.1	259	0.0		
1984		<.1	231	0.0		0.0		0.0		
1985		0.3	230	<.1	257	0.0		0.0		
1986	0.2	241	<.1	282	0.0		0.0			
1987	0.1	235	<.1	266	0.0		0.0			

Table A.9. (Cont'd.).

Species	Year	Mesh size											
		7.6-cm			10.2-cm			12.7-cm			15.2-cm		
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length		
Striped mullet	1975	0.4	321	0.1	406	0.0		0.0		0.0		0.0	
	1976	0.6	329	1.2	414	0.2	497	0.2		0.0		0.0	
	1977	0.4	327	0.2	407	0.0		0.0		0.0		0.0	
	1978	0.1	318	0.2	417	0.0		0.0		<.1		<.1	342
	1979	0.2	338	0.1	413	<.1	401	<.1		0.0		0.0	
	1980	0.3	330	0.1	402	0.0		0.0		<.1		<.1	330
	1981	0.6	341	0.3	408	<.1	358	<.1		<.1		<.1	382
	1982	0.2	346	0.2	408	<.1	380	<.1		<.1		<.1	374
	1983	0.3	341	0.3	409	<.1	448	<.1		<.1		<.1	350
	1984	0.3	333	0.1	419	<.1	371	<.1		<.1		<.1	300
	1985	0.2	331	0.1	428	<.1	434	<.1		0.0		0.0	
	1986	0.4	330	0.2	414	<.1	466	<.1		0.0		0.0	
	1987	0.2	330	0.2	420	<.1	391	<.1		0.0		0.0	
	Other finfishes	1975	<.1	423	0.8	348	0.1	475	0.1		<.1		<.1
1976		0.3	356	0.6	370	0.2	445	0.2		0.1		0.1	425
1977		0.5	351	0.3	363	0.1	548	0.1		0.1		0.1	516
1978		0.2	354	0.4	335	0.1	602	0.1		0.1		0.1	711
1979		0.2	395	0.2	364	0.1	499	0.1		<.1		<.1	731
1980		0.1	350	<.1	436	0.1	384	0.1		<.1		<.1	463
1981		0.2	354	0.2	353	0.1	474	0.1		0.1		0.1	605
1982		0.2	442	0.3	379	0.1	472	0.1		0.1		0.1	490
1983		0.2	426	0.2	366	0.1	451	0.1		0.1		0.1	447
1984		0.2	428	0.2	420	0.1	794	0.1		0.1		0.1	720
1985		0.2	401	0.2	386	0.1	527	0.1		0.1		0.1	523
1986		0.2	391	0.2	341	0.1	423	0.1		0.1		0.1	620
1987		0.1	430	0.1	395	0.1	446	0.1		0.1		0.1	565

Table A.9. (Cont'd.).

Species	Year	Mesh size											
		7.6-cm		10.2-cm		12.7-cm		15.2-cm					
		No./h	Length	No./h	Length	No./h	Length	No./h	Length				
Total	1975	1.6	331	1.7	373	0.6	426	0.9	514				
finfishes	1976	3.5	341	3.8	394	2.2	442	1.6	482				
	1977	2.6	327	1.3	380	1.2	428	1.3	446				
	1978	1.3	336	1.0	374	0.5	466	0.3	562				
	1979	1.4	340	1.0	379	0.6	454	0.5	513				
	1980	1.3	338	1.2	390	1.1	418	0.6	452				
	1981	2.3	331	1.4	393	1.0	443	0.8	474				
	1982	1.8	338	2.0	370	1.4	418	0.6	457				
	1983	2.0	340	1.5	396	1.2	463	0.8	466				
	1984	1.9	344	1.2	397	0.6	500	0.5	542				
	1985	2.1	331	1.4	404	0.8	463	0.4	512				
	1986	2.3	333	1.6	427	0.8	488	0.5	525				
	1987	1.1	352	1.6	431	1.1	497	0.8	527				

Table A.10. Mean catch rates (No./h) and mean total lengths (mm) by mesh size for selected fishes caught with gill nets in the Sabine Lake system during spring 1986-1987. Blank indicates no measurement taken.

Species	Year	Mesh size											
		7.6-cm		10.2-cm		12.7-cm		15.2-cm					
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length
Red drum	1986	0.1	466	0.2	465	0.1	562	0.1	562	0.1	704		
	1987	<.1	431	0.1	467	0.1	565	0.1	565	<.1	692		
Spotted seatrout	1986	0.2	417	0.1	491	<.1	634	<.1	634	<.1	435		
	1987	0.2	373	<.1	487	<.1	614	<.1	614	0.0			
Black drum	1986	<.1	301	0.1	343	0.1	398	0.1	398	<.1	448		
	1987	<.1	271	<.1	304	<.1	390	<.1	390	<.1	469		
Sheepshead	1986	0.0		<.1	246	<.1	359	<.1	359	<.1	418		
	1987	0.0		0.0		<.1	364	<.1	364	0.0			
Southern flounder	1986	<.1	293	<.1	258	<.1	325	<.1	325	<.1	416		
	1987	<.1	246	<.1	312	<.1	447	<.1	447	<.1	409		
Atlantic croaker	1986	0.1	254	<.1	281	<.1	310	<.1	310	0.0			
	1987	<.1	258	<.1	262	<.1	369	<.1	369	0.0			
Sand seatrout	1986	0.0		<.1	277	0.0		0.0		0.0			
	1987	0.0		0.0		0.0		0.0		0.0			
Gafftopsail catfish	1986	<.1	376	<.1	430	0.1	507	0.1	507	<.1	556		
	1987	<.1	411	<.1	485	<.1	497	<.1	497	<.1	546		
Gulf menhaden	1986	<.1	249	<.1	366	0.0		0.0		0.0			
	1987	<.1	348	0.0		0.0		0.0		0.0			
Hardhead catfish	1986	0.6	311	0.2	341	<.1	258	<.1	258	<.1	355		
	1987	0.1	317	<.1	367	<.1	335	<.1	335	<.1	307		

Table A.10. (Cont'd.)

Species	Year	Mesh size											
		7.6-cm		10.2-cm		12.7-cm		15.2-cm		10.2-cm		12.7-cm	
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length
Pinfish	1986	0.0		0.0		0.0		0.0		0.0		0.0	
	1987	0.0		0.0		0.0		0.0		0.0		0.0	
Spot	1986	<.1	250	0.0		0.0		0.0		0.0		0.0	
	1987	<.1	233	0.0		0.0		0.0		0.0		0.0	
Striped mullet	1986	<.1	322	<.1	356	0.0		0.0		0.0		0.0	
	1987	<.1	312	0.0		0.0		0.0		0.0		0.0	
Other finfishes	1986	1.8	439	0.6	546	0.2	816	0.2	816	0.1	1026	0.1	1028
	1987	0.7	504	0.4	610	0.1	969	0.1	969	0.1	1028	0.1	1028
Total finfishes	1986	2.9	371	1.3	461	0.4	580	0.4	580	0.2	765	0.2	765
	1987	1.8	429	0.5	543	0.2	696	0.2	696	0.2	776	0.2	776

Table A.11. Mean catch rates (No./h) and mean total lengths (mm) by mesh size for selected fishes caught with gill nets in the Galveston Bay system during spring 1976-1987. Blank indicates no measurement taken.

Species	Year	Mesh size																
		7.6-cm		10.2-cm		12.7-cm		15.2-cm										
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length					
Red drum	1976	<.1	310	0.0		0.0		0.0		0.0		0.0		0.0		0.0		
	1977	0.1	401	0.1	451	0.1	556		0.0		0.0		0.0		0.0		0.0	
	1978	<.1	246	0.1	468	0.0			0.0		0.0		0.0		0.0		0.0	
	1979	<.1	345	0.1	479	<.1	548		<.1		<.1		<.1		<.1		<.1	
	1980	0.1	445	0.7	446	<.1	518		<.1		<.1		<.1		<.1		<.1	
	1981	0.2	386	0.1	451	<.1	518		<.1		<.1		<.1		<.1		<.1	
	1982	0.3	434	0.4	458	0.1	537		0.1		0.1		0.1		0.1		0.1	
	1983	0.3	424	0.4	463	0.2	547		0.2		0.2		0.2		0.2		0.2	
	1984	0.3	428	0.4	462	0.2	559		0.2		0.2		0.2		0.2		0.2	
	1985	0.1	440	0.3	486	0.2	595		0.2		0.2		0.2		0.2		0.2	
	1986	0.2	387	0.6	474	0.3	537		0.3		0.3		0.3		0.3		0.3	
	1987	0.2	424	0.2	464	0.2	594		0.1		0.1		0.1		0.1		0.1	
	Spotted seatrout	1976	0.0		<.1	530	0.0		0.0		0.0		0.0		0.0		0.0	
		1977	<.1	352	0.1	515	<.1	576		<.1		<.1		<.1		<.1		<.1
		1978	<.1	431	0.1	451	0.1	616		0.1		0.1		0.1		0.1		0.1
		1979	0.1	379	<.1	475	0.1	653		0.1		0.1		0.1		0.1		0.1
		1980	0.1	420	<.1	408	0.0		0.0		0.0		0.0		0.0		0.0	
1981		0.2	435	0.1	537	<.1	596		<.1		<.1		<.1		<.1		<.1	
1982		0.2	415	0.2	512	0.1	605		0.1		0.1		0.1		0.1		0.1	
1983		0.2	433	0.2	534	0.2	621		0.1		0.1		0.1		0.1		0.1	
1984		0.1	417	0.1	534	0.1	587		0.1		0.1		0.1		0.1		0.1	
1985		0.2	413	0.2	515	0.1	636		0.1		0.1		0.1		0.1		0.1	
1986		0.3	392	0.2	509	0.2	596		<.1		<.1		<.1		<.1		<.1	
1987	0.4	396	0.2	522	0.2	564		0.1		0.1		0.1		0.1		0.1		

Table A.11. (Cont'd.).

Species	Year	Mesh size													
		7.6-cm		10.2-cm		12.7-cm		15.2-cm		15.2-cm		Length			
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length		
Black drum	1976	0.1	250	0.0		<.1	370	0.0		<.1	370	0.0		522	
	1977	0.1	223	<.1	571	0.2	397	0.1		0.2	397	0.1		461	
	1978	0.1	371	<.1	473	0.1	461	0.1		0.1	461	0.1		452	
	1979	0.2	239	<.1	265	<.1	385	0.1		<.1	385	0.1		415	
	1980	0.2	225	<.1	430	0.1	370	<.1		0.1	370	<.1		445	
	1981	0.2	244	0.1	329	0.4	512	0.1		0.4	512	0.1		479	
	1982	0.2	240	0.1	375	0.1	403	0.1		0.1	403	0.1		459	
	1983	0.2	239	0.3	324	0.2	379	0.1		0.2	379	0.1		451	
	1984	0.1	256	0.2	344	0.3	379	0.1		0.3	379	0.1		492	
	1985	0.1	231	0.2	299	0.1	404	0.1		0.1	404	0.1		477	
	1986	<.1	255	0.2	312	0.1	405	0.1		0.1	405	0.2		493	
	1987	<.1	246	0.2	307	0.1	404	0.1		0.1	404	0.1			
	Sheepshead	1976	0.0		0.0		0.0		0.0		0.0		0.0		480
		1977	<.1	197	0.0		0.0		0.0		0.0		<.1		
		1978	0.0		0.0		0.0		0.0		0.0		0.0		
		1979	0.0		<.1	250	0.0		0.0		0.0		<.1		360
1980		0.0		0.0		<.1	324	0.0		<.1	324	<.1		410	
1981		0.0		<.1	377	<.1	380	<.1		<.1	380	<.1		422	
1982		0.0		<.1	292	<.1	314	<.1		<.1	314	<.1		355	
1983		0.0		<.1	292	<.1	302	<.1		<.1	302	<.1		364	
1984		<.1	457	<.1	327	<.1	328	<.1		<.1	328	<.1		385	
1985		0.0		<.1	341	<.1	335	<.1		<.1	335	<.1		375	
1986		<.1	331	<.1	318	<.1	366	<.1		<.1	366	<.1		395	
1987	0.0		<.1	202	<.1	329	<.1		<.1	329	<.1		421		

Table A.11. (Cont'd.).

Species	Year	Mesh size							
		7.6-cm		10.2-cm		12.7-cm		15.2-cm	
		No./h	Length	No./h	Length	No./h	Length	No./h	Length
Southern flounder	1976	0.0		0.0		0.0		0.0	
	1977	0.0		0.0		<.1	351	0.0	
	1978	<.1	205	<.1		0.0		0.0	
	1979	0.0		0.0		0.0		<.1	451
	1980	<.1	218	<.1		<.1	392	<.1	484
	1981	<.1	244	0.0		0.0		0.0	
	1982	<.1	371	<.1		<.1	338	<.1	388
	1983	<.1	356	<.1		<.1	363	<.1	418
	1984	<.1	358	<.1		<.1	348	<.1	371
	1985	<.1	350	<.1		<.1	364	<.1	373
	1986	<.1	241	<.1		<.1	362	<.1	378
	1987	<.1	360	<.1		<.1	356	<.1	401
	Atlantic croaker	1976	0.1	247	0.1	375	0.0		0.0
1977		0.3	262	<.1	297	<.1	276	0.0	
1978		0.1	247	0.0		0.0		0.0	
1979		0.2	264	0.0		<.1	164	0.0	
1980		0.1	268	0.0		0.0		0.0	
1981		0.1	266	0.0		0.0		<.1	246
1982		0.2	267	<.1	275	<.1	235	0.0	
1983		0.2	268	<.1	288	<.1	230	<.1	305
1984		0.1	264	<.1	268	<.1	291	<.1	231
1985		0.2	270	<.1	306	<.1	264	<.1	300
1986		0.3	268	<.1	312	<.1	264	0.0	
1987		0.2	260	<.1	262	0.0		0.0	

Table A.11. (Cont'd.).

Species	Year	Mesh size											
		7.6-cm		10.2-cm		12.7-cm		15.2-cm					
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length
Sand seatrout	1976	<.1	195	0.0		0.0		0.0		0.0		0.0	
	1977	0.0		0.0		0.0		0.0		0.0		0.0	
	1978	0.0		0.0		0.0		0.0		0.0		0.0	
	1979	<.1	225	<.1	218	<.1	206	<.1	206	<.1	206	<.1	206
	1980	0.0		0.0		0.0		0.0		0.0		0.0	
	1981	0.0		0.0		0.0		0.0		0.0		0.0	
	1982	0.0		0.0		0.0		0.0		0.0		0.0	
	1983	<.1	326	0.0		<.1	278	<.1	278	<.1	278	<.1	278
	1984	0.0		0.0		<.1	200	<.1	200	<.1	200	<.1	200
	1985	<.1		0.0		0.0		0.0		0.0		0.0	
	1986	0.0		0.0		0.0		0.0		0.0		0.0	
	1987	0.0		<.1	536	<.1	536	0.0		0.0		0.0	
	Gafftopsail catfish	1976	0.0		1.9	476	3.2	510	3.2	510	3.2	510	3.2
1977		0.0		<.1	436	0.1	493	0.1	493	0.1	493	<.1	524
1978		0.0		0.0		0.1	514	0.1	514	0.1	514	0.2	557
1979		<.1	295	0.0		0.1	486	0.1	486	0.1	486	0.2	551
1980		<.1	370	<.1	478	0.1	466	0.1	466	0.1	466	0.1	550
1981		<.1	331	<.1	388	0.1	499	0.1	499	0.1	499	0.1	577
1982		<.1	396	0.1	429	0.1	516	0.1	516	0.1	516	0.2	552
1983		<.1	376	<.1	469	0.1	536	0.1	536	0.1	536	0.1	568
1984		<.1	337	<.1	462	0.1	518	0.1	518	0.1	518	0.1	566
1985		<.1	410	<.1	460	0.1	533	0.1	533	0.1	533	0.1	566
1986		<.1	316	<.1	432	0.2	528	0.2	528	0.2	528	0.2	558
1987		<.1	372	0.1	464	0.2	560	0.2	560	0.2	560	0.2	585

Table A.11. (Cont'd.).

Species	Year	Mesh size												
		7.6-cm			10.2-cm			12.7-cm			15.2-cm			
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	
Gulf menhaden	1976	0.1	250	<.1	260	0.0	244	<.1	285	0.0	244	<.1	285	
	1977	1.9	252	0.1	258	0.2		0.2	244	0.2		0.2	244	
	1978	0.3	243	0.0		0.0		0.0		0.0		<.1	212	
	1979	1.0	253	0.1	227	<.1	236	<.1	258	<.1	236	<.1	258	
	1980	0.0		<.1	172	<.1	214	<.1		0.0	214	0.0		
	1981	0.4	262	<.1	194	0.0		<.1	245	<.1		<.1	245	
	1982	0.3	256	<.1	241	<.1	240	<.1	246	<.1	240	<.1	246	
	1983	0.7	253	<.1	246	<.1	251	<.1	232	<.1	251	<.1	232	
	1984	0.4	253	0.1	271	<.1	244	<.1	250	<.1	244	<.1	250	
	1985	0.7	253	<.1	266	<.1	247	<.1	260	<.1	247	<.1	260	
	1986	1.2	251	0.1	240	<.1	250	<.1	246	<.1	250	<.1	246	
	1987	1.1	248	0.1	216	<.1	275	<.1	238	<.1	275	<.1	238	
	Hardhead catfish	1976	1.9	307	0.7	354	<.1	310	<.1	313	<.1	310	0.5	313
		1977	1.6	319	0.5	368	<.1	406	<.1	333	<.1	406	<.1	333
1978		1.6	328	0.4	374	<.1	313	<.1		<.1	313	0.0		
1979		2.3	318	0.7	360	0.1	363	0.1	371	0.1	363	<.1	371	
1980		1.8	325	0.8	355	<.1	332	<.1	306	<.1	332	0.1	306	
1981		1.3	320	0.2	392	<.1	306	<.1	338	<.1	306	<.1	338	
1982		2.7	327	0.7	352	0.2	332	0.2	312	<.1	332	<.1	312	
1983		2.9	323	0.8	353	0.1	325	0.1	330	0.1	325	0.1	330	
1984		1.5	331	0.6	371	0.1	324	0.1	341	<.1	324	<.1	341	
1985		2.3	321	0.9	364	0.2	330	0.2	327	<.1	330	<.1	327	
1986		2.1	317	1.0	372	0.2	349	0.2	348	0.1	349	0.1	348	
1987		3.2	321	0.8	367	0.2	342	0.2	327	<.1	342	<.1	327	

Table A.11. (Cont'd.).

Species	Year	Mesh size												
		7.6-cm		10.2-cm		12.7-cm		15.2-cm						
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	
Pinfish	1976	0.0		0.0		0.0		0.0		0.0		0.0		
	1977	0.0		0.0		0.0		0.0		0.0		0.0		
	1978	0.0		0.0		0.0		0.0		0.0		0.0		
	1979	0.0		0.0		0.0		0.0		0.0		0.0		
	1980	0.0		0.0		0.0		0.0		0.0		0.0		
	1981	0.0		0.0		0.0		0.0		0.0		0.0		
	1982	0.0		0.0		0.0		0.0		0.0		0.0		
	1983	<.1	210	0.0		0.0		0.0		0.0		0.0		
	1984	0.0		0.0		0.0		0.0		0.0		0.0		
	1985	0.0		0.0		0.0		0.0		0.0		0.0		
	1986	0.0		0.0		0.0		0.0		0.0		0.0		
	1987	0.0		0.0		0.0		0.0		0.0		0.0		
	Spot	1976	0.4	218	0.0		0.0		0.0		0.0		0.0	
		1977	0.1	227	0.0		0.0		0.0		0.0		0.0	
1978		<.1	225	0.0		0.0		0.0		0.0		0.0		
1979		0.0		0.0		0.0		0.0		0.0		0.0		
1980		0.0		0.0		0.0		0.0		0.0		0.0		
1981		<.1	250	0.0		0.0		0.0		0.0		0.0		
1982		<.1	244	0.0		0.0		0.0		0.0		0.0		
1983		0.1	240	0.0		0.0		0.0		0.0		0.0		
1984		<.1	247	0.0		0.0		0.0		0.0		0.0		
1985		<.1	234	0.0		0.0		0.0		0.0		0.0		
1986		<.1	233	0.0		0.0		0.0		0.0		0.0		
1987		<.1	228	<.1	290	0.0		0.0		0.0		0.0		

Table A.11. (Cont'd.).

Species	Year	Mesh size												
		7.6-cm		10.2-cm		12.7-cm		15.2-cm						
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	
Striped mullet	1976	0.1	385	0.0		0.0		0.0		0.0		0.0		
	1977	0.1	316	<.1	361	0.0		0.0		0.0		0.0		
	1978	0.0		0.0		0.0		0.0		0.0		0.0		
	1979	0.1	324	<.1	306	0.0		0.0		0.0		0.0		
	1980	0.1	343	0.0		0.0		0.0		0.0		0.0		
	1981	<.1	318	0.0		0.0		0.0		0.0		0.0		
	1982	0.2	338	<.1	397	0.0		0.0		0.0		0.0		
	1983	0.2	340	<.1	411	<.1	570	0.0		0.0		0.0		
	1984	0.2	337	<.1	420	0.0		0.0		0.0		0.0		
	1985	0.2	224	<.1	428	<.1	430	<.1	425	<.1	425	<.1	425	
	1986	0.1	330	<.1	432	<.1	317	0.0		0.0		0.0		
	1987	0.1	345	<.1	420	<.1	302	0.0		0.0		0.0		
	Other finfishes	1976	<.1	340	0.1	460	0.1	735	<.1	1140	<.1	1140	<.1	1140
		1977	2.0	293	0.5	383	<.1	548	<.1	1005	<.1	1005	<.1	1005
1978		1.2	274	0.3	372	<.1	402	<.1	1048	0.1	1048	0.1	1048	
1979		0.5	330	0.4	341	<.1	958	<.1	957	0.1	957	0.1	957	
1980		0.2	559	0.1	490	<.1	369	<.1	560	<.1	560	<.1	560	
1981		0.5	309	0.2	379	<.1	725	<.1	489	<.1	489	<.1	489	
1982		0.4	366	0.6	394	0.1	528	0.1	756	<.1	756	<.1	756	
1983		0.3	386	0.6	402	0.1	531	0.1	714	<.1	714	<.1	714	
1984		0.1	352	0.4	388	0.2	502	0.2	673	<.1	673	<.1	673	
1985		0.3	352	0.5	414	0.1	718	0.1	778	<.1	778	<.1	778	
1986		0.4	338	0.6	379	0.1	484	0.1	678	<.1	678	<.1	678	
1987		0.2	324	0.5	364	<.1	535	<.1	1118	<.1	1118	<.1	1118	

Table A.11. (Cont'd.).

Species	Year	Mesh size											
		7.6-cm		10.2-cm		12.7-cm		15.2-cm					
		No./h	Length	No./h	Length	No./h	Length	No./h	Length				
Total finfishes	1976	2.9	290	2.9	441	3.4	512	1.9	478				
	1977	6.2	287	1.5	385	0.6	382	0.4	382				
	1978	3.4	298	0.9	392	0.3	498	0.4	680				
	1979	4.6	306	1.4	352	0.4	486	0.4	593				
	1980	2.5	347	1.8	409	0.4	392	0.3	473				
	1981	2.9	320	0.9	403	0.6	512	0.2	475				
	1982	4.5	335	2.2	404	0.8	453	0.5	522				
	1983	5.2	332	2.4	401	0.9	445	0.4	482				
	1984	2.8	348	1.9	398	1.0	433	0.5	493				
	1985	4.0	318	2.3	419	0.8	499	0.5	545				
	1986	4.8	322	2.9	404	0.9	471	0.7	509				
	1987	5.4	338	2.0	391	0.8	481	0.4	538				

Table A.12. Mean catch rates (No./h) and mean total lengths (mm) by mesh size for selected fishes caught with gill nets in the East Matagorda Bay system during spring 1976-1987. Blank indicates no measurement taken; ND = no data.

Species	Year	Mesh size								
		7.6-cm		10.2-cm		12.7-cm		15.2-cm		
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	
Red drum	1976	ND		ND		ND		ND		
	1977	0.1	374	0.1	462	0.0		0.0		
	1978	0.2	400	0.1	454	<.1	414	<.1	536	
	1979	0.1	428	<.1	406	<.1	637	<.1	655	
	1980	0.1	418	0.2	436	0.1	392	0.1	634	
	1981	0.1	422	0.2	479	0.0		0.0		
	1982	0.2	420	0.3	433	0.0		<.1	687	
	1983	0.5	395	0.2	444	0.2	568	0.2	624	
	1984	0.3	408	0.2	461	0.2	516	0.0		
	1985	0.1	350	0.1	485	0.1	573	0.1	646	
	1986	0.3	409	0.4	469	0.1	501	0.1	536	
	1987	0.1	432	0.2	459	0.2	538	0.1	534	
	Spotted seatrout	1976	ND		ND		ND		ND	
		1977	1.3	394	0.5	491	0.1	576	<.1	695
		1978	0.3	414	0.1	474	<.1	632	0.0	
		1979	0.3	387	0.2	481	<.1	628	<.1	375
		1980	0.6	377	0.1	506	<.1	488	<.1	
1981		1.4	395	0.4	489	<.1	494	<.1	470	
1982		0.6	414	0.3	509	0.1	544	0.0		
1983		1.4	425	0.2	520	<.1	553	0.0		
1984		0.4	418	0.2	533	<.1	601	<.1	488	
1985		0.2	405	0.2	512	0.1	536	<.1	542	
1986		0.7	407	0.2	511	<.1	506	<.1	442	
1987		0.5	384	0.1	512	0.1	582	<.1	522	

Table A.12. (Cont'd.).

Species	Year	Mesh size												
		7.6-cm		10.2-cm		12.7-cm		15.2-cm						
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	
Black drum	1976	ND		ND		ND		ND		ND		ND		
	1977	0.2	217	0.1	296	<.1	376	0.0		0.0				
	1978	0.1	315	0.1	297	0.1	372	0.1		0.1		457		
	1979	0.1	246	0.4	301	0.1	361	0.1		0.1		429		
	1980	0.7	231	0.2	310	0.1	406	<.1		<.1		485		
	1981	0.3	242	0.3	308	0.2	416	<.1		<.1		450		
	1982	0.3	232	0.3	291	0.1	401	0.1		0.1		459		
	1983	0.2	240	1.0	338	1.0	384	0.5		0.5		443		
	1984	0.1	242	0.3	343	0.4	395	0.2		0.2		479		
	1985	0.1	239	0.1	312	0.1	384	<.1		<.1		455		
	1986	0.1	256	0.3	315	0.2	404	<.1		<.1		467		
	1987	0.1	236	0.3	290	0.1	399	0.1		0.1		439		
	Sheepshead	1976	ND		ND		ND		ND		ND		ND	
		1977	0.0		0.0		<.1	234	0.0		0.0			
1978		0.0		0.1	291	0.3	295	<.1		<.1		341		
1979		0.0		0.0		0.1	297	0.1		<.1		297		
1980		0.0		<.1	239	0.2	342	0.1		0.1		375		
1981		0.0		0.1	235	<.1	347	0.1		0.1		400		
1982		0.0		0.0		0.0		0.0		0.0				
1983		0.0		0.1	305	0.2	306	0.1		0.1		331		
1984		0.0		<.1	270	0.2	332	0.1		0.1		395		
1985		0.0		<.1	335	0.1	357	0.1		0.1		389		
1986		0.0		<.1	288	0.1	350	<.1		<.1		418		
1987		0.0		<.1	301	0.1	285	0.1		0.1		365		

Table A.12. (Cont'd.).

Species	Year	Mesh size							
		7.6-cm		10.2-cm		12.7-cm		15.2-cm	
		No./h	Length	No./h	Length	No./h	Length	No./h	Length
Southern flounder	1976	ND		ND		ND		ND	
	1977	0.0	272	<.1	272	0.1	344	<.1	484
	1978	0.0	323	<.1	323	<.1	302	<.1	508
	1979	<.1	348	<.1	348	0.1	346	<.1	357
	1980	<.1	287	0.1	287	<.1	374	<.1	412
	1981	0.0		0.0		<.1	340	0.0	
	1982	<.1	287	0.0	287	<.1	351	0.0	
	1983	<.1	317	<.1	291	<.1	345	0.0	
	1984	0.0		<.1	420	<.1	353	<.1	424
	1985	0.0		<.1	280	0.1	354	<.1	396
	1986	<.1	268	0.1	301	<.1	328	<.1	415
	1987	<.1	302	<.1	302	<.1	322	<.1	384
	Atlantic croaker	1976	ND		ND		ND		ND
1977		0.1	255	0.0		0.0		0.0	
1978		<.1	270	0.0		0.0		0.0	
1979		<.1	257	0.0		0.0		0.0	
1980		0.1	250	<.1		0.0		0.0	
1981		0.1	250	0.0		0.0		0.0	
1982		0.1	258	0.0		0.0		0.0	
1983		0.1	278	0.0		0.0		0.0	
1984		<.1	322	0.0		0.0		0.0	
1985		<.1	318	0.0		0.0		0.0	
1986		0.1	250	0.0		0.0		0.0	
1987		<.1	242	0.0		0.0		0.0	

Table A.12. (Cont'd.).

Species	Year	Mesh size								
		7.6-cm		10.2-cm		12.7-cm		15.2-cm		
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	
Sand seatrout	1976	ND		ND		ND		ND		
	1977	0.0		0.0		0.0		0.0		
	1978	0.0		0.0		0.0		0.0		
	1979	0.0		0.0		0.0		0.0		
	1980	0.0		0.0		0.0		0.0		
	1981	0.0		0.0		0.0		0.0		
	1982	0.0		0.0		0.0		0.0		
	1983	0.0		0.0		0.0		0.0		
	1984	0.0		0.0		0.0		0.0		
	1985	0.0		0.0		0.0		0.0		
	1986	0.0		0.0		0.0		0.0		
	1987	0.0		0.0		0.0		0.0		
	Gafftopsail catfish	1976	ND		ND		ND		ND	
		1977	0.0	444	0.1		0.3	506	0.1	568
1978		0.0		0.0		<.1	532	0.1	553	
1979		0.0	409	<.1		0.3	530	0.1	580	
1980		0.0	502	<.1		0.1	552	0.1	587	
1981		<.1	414	0.1		0.1	486	0.1	576	
1982		0.0	417	0.1		0.1	508	<.1	603	
1983		<.1		0.0		0.0		<.1	574	
1984		0.0		0.0		0.0		<.1	580	
1985		0.0	438	<.1		<.1	483	<.1	494	
1986		<.1	439	0.1		0.1	511	<.1	563	
1987		0.0	402	<.1		<.1	495	0.1	555	
			357							
			376							
		336								

Table A.12. (Cont'd.).

Species	Year	Mesh size											
		7.6-cm		10.2-cm		12.7-cm		15.2-cm		15.2-cm		15.2-cm	
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length
Gulf menhaden	1976	ND		ND		ND		ND		ND		ND	
	1977	0.2	243	0.4	324	0.0		0.0		0.0		0.0	
	1978	0.0		0.0		<.1	194	<.1		0.0		0.0	
	1979	0.0		0.0		0.0		0.0		0.0		0.0	
	1980	0.0		0.0		0.0		0.0		0.0		0.0	
	1981	0.0		0.0		0.0		0.0		0.0		0.0	
	1982	0.0		0.0		0.0		0.0		0.0		0.0	
	1983	0.0		0.0		0.0		0.0		0.0		0.0	
	1984	0.0		0.0		0.0		0.0		0.0		0.0	
	1985	<.1	281	0.0		0.0		0.0		0.0		0.0	
	1986	<.1	226	0.0		0.0		0.0		0.0		0.0	
	1987	<.1	227	0.0		0.0		0.0		0.0		0.0	
	Hardhead catfish	1976	ND		ND		ND		ND		ND		ND
1977		0.1	298	0.1	317	0.0		0.0		<.1		<.1	333
1978		0.2	306	0.1	359	0.0		0.0		0.0		0.0	
1979		0.2	324	0.1	389	<.1	240	<.1		0.0		0.0	
1980		0.7	314	0.2	337	<.1		<.1		0.1		0.1	304
1981		0.7	328	0.4	364	<.1		<.1		<.1		<.1	315
1982		1.0	334	0.3	355	0.1		0.1		<.1		<.1	349
1983		0.7	334	0.2	376	<.1		<.1		<.1		<.1	295
1984		0.4	323	0.1	369	<.1		<.1		0.0		0.0	352
1985		0.6	315	0.5	367	0.1		0.1		<.1		<.1	355
1986		1.1	325	0.6	377	0.1		0.1		0.1		0.1	318
1987		0.8	310	0.6	363	0.1		0.1		<.1		<.1	

Table A.12. (Cont'd.).

Species	Year	Mesh size											
		7.6-cm		10.2-cm		12.7-cm		15.2-cm					
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length
Striped mullet	1976	ND		ND		ND		ND		ND		ND	
	1977	0.0		0.0		0.0		0.0		0.0		0.0	
	1978	0.1	327	0.0		0.0		0.0		0.0		0.0	
	1979	0.1	322	<.1	407	0.0		0.0		0.0		0.0	
	1980	<.1	338	0.0		0.0		0.0		0.0		0.0	
	1981	0.1	345	0.0		0.0		0.0		0.0		0.0	
	1982	0.2	295	0.0		0.0		0.0		0.0		0.0	
	1983	0.1	342	<.1	395	0.0		0.0		0.0		0.0	
	1984	0.2	340	0.0		0.0		0.0		0.0		0.0	
	1985	0.2	329	<.1	386	0.0		0.0		0.0		0.0	
	1986	0.2	321	0.0		0.0		0.0		0.0		0.0	
	1987	0.1	312	<.1	455	<.1	390	<.1		<.1		<.1	
	Other finfishes	1976	ND		ND		ND		ND		ND		ND
1977		0.1	298	0.1	358	<.1	378	<.1	0.1	0.1	854	<.1	
1978		0.2	278	<.1	343	<.1	164	<.1	0.0	0.0		<.1	
1979		0.1	327	<.1	448	<.1	696	<.1	<.1	<.1	1120	<.1	
1980		0.2	270	0.0		0.0		0.0		0.0		0.0	
1981		0.8	278	<.1		0.0		0.0		0.0		0.0	
1982		0.6	323	0.1	353	<.1	855	<.1	<.1	<.1	1020	<.1	
1983		0.4	297	0.1	310	<.1	168	<.1	<.1	<.1		<.1	
1984		0.1	287	0.1	362	0.0		0.0		0.0		<.1	
1985		0.2	434	0.1	430	0.1	855	0.1	0.1	0.1	961	<.1	
1986		0.3	271	0.1	356	<.1	421	<.1	<.1	<.1	394	<.1	
1987		0.1	483	0.1	341	<.1	615	<.1	<.1	<.1	853	<.1	

Table A.12. (Cont'd.).

Species	Year	Mesh size											
		7.6-cm		10.2-cm		12.7-cm		15.2-cm					
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length
Total	1976	ND		ND		ND		ND		ND		ND	
finfishes	1977	2.1	349	1.5	396	0.5	477	0.2	635	0.5	331	0.2	496
	1978	1.2	349	0.5	364	0.5	331	0.2	496	0.6	451	0.3	502
	1979	0.9	336	0.8	381	0.6	451	0.4	478	0.4	399	0.4	478
	1980	2.4	306	0.9	368	0.4	399	0.2	479	0.4	429	0.2	479
	1981	3.5	337	1.4	392	0.4	429	0.2	499	0.4	474	0.2	499
	1982	2.9	337	1.3	394	0.4	474	0.2	499	1.5	396	0.8	473
	1983	3.5	366	1.9	369	0.8	396	0.4	473	0.8	410	0.4	459
	1984	1.5	362	1.0	411	0.6	410	0.4	459	0.6	472	0.4	547
	1985	1.6	351	1.2	404	0.6	472	0.4	547	0.6	421	0.4	457
	1986	2.7	352	1.8	398	0.6	421	0.4	457	0.6	451	0.4	490
	1987	1.8	244	1.4	373	0.6	451	0.4	490	0.6	451	0.4	490

Table A.13. (Cont'd.).

Species	Year	Mesh size												
		7.6-cm		10.2-cm		12.7-cm		15.2-cm		15.2-cm		15.2-cm		
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	
Black drum	1976	0.1	218	0.1	270	0.0		0.0		0.6		0.6	468	
	1977	0.1	241	0.1	533	0.2	663	0.2		0.1		0.1	521	
	1978	0.1	220	0.1	298	<.1	388	<.1		<.1		<.1	498	
	1979	0.2	239	0.1	390	0.1	628	0.1		<.1		<.1	504	
	1980	0.4	270	0.2	328	0.1	611	0.1		<.1		<.1	780	
	1981	0.2	227	0.1	301	<.1	673	<.1		<.1		<.1	640	
	1982	0.2	262	0.1	348	0.1	431	0.1		0.1		0.1	503	
	1983	0.1	248	0.3	331	0.1	426	0.1		0.1		0.1	529	
	1984	<.1	236	<.1	327	<.1	511	<.1		<.1		<.1	482	
	1985	0.2	282	0.1	349	<.1	814	<.1		<.1		<.1	751	
	1986	0.1	260	0.1	341	0.1	521	0.1		<.1		<.1	596	
	1987	0.1	274	0.1	316	0.1	407	0.1		0.1		0.1	457	
	Sheepshead	1976	0.0		0.0		0.0		0.0		0.1		0.1	420
		1977	0.0		<.1	242	<.1	292	<.1		<.1		<.1	329
		1978	0.0		<.1	278	0.0		0.0		0.0		0.0	
		1979	0.0		0.0		<.1	362	<.1		<.1		<.1	420
		1980	0.0		<.1	242	0.1	348	0.1		<.1		<.1	389
1981		<.1	370	<.1	536	0.0		0.0		0.0		0.0		
1982		<.1	221	<.1	276	<.1	314	<.1		<.1		<.1	381	
1983		<.1	404	<.1	345	0.1	359	0.1		<.1		<.1	398	
1984		0.0		<.1	293	<.1	431	<.1		<.1		<.1	419	
1985		0.0		<.1	328	<.1	289	<.1		<.1		<.1	398	
1986		0.0		<.1	330	<.1	353	<.1		<.1		<.1	433	
1987	0.0		<.1	257	<.1	338	<.1		<.1		<.1	377		

Table A.13. (Cont'd.).

Species	Year	Mesh size										
		7.6-cm		10.2-cm		12.7-cm		15.2-cm				
		No./h	Length	No./h	Length	No./h	Length	No./h	Length			
Gulf menhaden	1976	0.1	250	0.0		0.0		0.0		0.0		
	1977	<.1	246	0.0		<.1	244	<.1	244	0.0		
	1978	0.1	246	0.0		<.1	240	<.1	240	0.0		
	1979	0.1	251	<.1	250	0.0		0.0		0.0		
	1980	<.1	256	0.0		<.1	242	<.1	242	0.0		
	1981	0.2	254	0.0		0.0		0.0		0.0		
	1982	<.1	246	<.1	221	<.1	274	<.1	274	<.1	262	
	1983	0.1	250	<.1	258	<.1	254	<.1	254	<.1	246	
	1984	0.1	249	<.1	265	<.1	238	<.1	238	<.1	245	
	1985	0.4	246	<.1	218	<.1	219	<.1	219	<.1	193	
	1986	0.1	247	<.1	226	<.1	160	<.1	160	<.1	191	
	1987	<.1	239	<.1	271	0.0		0.0		<.1	236	
	Hardhead catfish	1976	0.1	285	0.3	315	0.0		0.0		0.1	250
		1977	1.0	310	0.5	348	0.2	279	0.2	279	0.2	301
1978		0.1	306	0.1	284	<.1	276	<.1	276	0.0		
1979		0.4	316	0.1	313	0.0		0.0		0.0		
1980		0.2	314	<.1		<.1	330	<.1	330	<.1	333	
1981		1.3	329	0.2	325	0.1	318	0.1	318	0.0		
1982		0.6	321	0.2	352	<.1	298	<.1	298	<.1	338	
1983		0.3	316	0.1	330	<.1	310	<.1	310	<.1	308	
1984		0.6	317	0.3	349	<.1	281	<.1	281	<.1	303	
1985		0.8	318	0.3	363	0.1	315	0.1	315	<.1	317	
1986		0.9	312	0.4	354	0.1	310	0.1	310	<.1	302	
1987		0.5	325	0.4	374	0.1	337	0.1	337	<.1	306	

Table A.13. (Cont'd.).

Species	Year	Mesh size												
		7.6-cm		10.2-cm		12.7-cm		15.2-cm						
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	
Pinfish	1976	0.0		0.0		0.0		0.0		0.0		0.0		
	1977	0.0		0.0		0.0		0.0		0.0		0.0		
	1978	0.0		0.0		0.0		0.0		0.0		0.0		
	1979	0.0		0.0		0.0		0.0		0.0		0.0		
	1980	0.0		0.0		0.0		0.0		0.0		0.0		
	1981	0.0		0.0		0.0		0.0		0.0		0.0		
	1982	<.1	217	0.0		0.0		0.0		0.0		0.0		
	1983	0.0		0.0		0.0		0.0		0.0		0.0		
	1984	0.0		0.0		0.0		0.0		0.0		0.0		
	1985	0.0		0.0		0.0		0.0		0.0		0.0		
	1986	<.1	150	0.0		0.0		0.0		0.0		0.0		
	1987	0.0		0.0		0.0		0.0		0.0		0.0		
	Spot	1976	0.0		0.0		0.0		0.0		0.0		0.0	
		1977	0.0		0.0		0.0		0.0		0.0		0.0	
1978		<.1	232	0.0		0.0		0.0		0.0		0.0		
1979		<.1	250	0.0		0.0		0.0		0.0		0.0		
1980		0.0		0.0		0.0		0.0		0.0		0.0		
1981		<.1	240	0.0		0.0		0.0		0.0		0.0		
1982		<.1	260	0.0		0.0		0.0		0.0		0.0		
1983		0.1	238	0.0		0.0		0.0		0.0		0.0		
1984		<.1	292	<.1		0.0		0.0		0.0		0.0		
1985		<.1	235	0.0		0.0		0.0		0.0		0.0		
1986		<.1	240	0.0		0.0		0.0		0.0		0.0		
1987	<.1	241	0.0		0.0		0.0		0.0		0.0			

Table A.13. (Cont'd.).

Species	Year	Mesh size											
		7.6-cm		10.2-cm		12.7-cm		15.2-cm					
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length
Striped mullet	1976	0.2	322	0.0		0.0		0.0		0.0		0.0	
	1977	0.2	314	0.0		0.0		0.0		0.0		0.0	
	1978	0.3	330	<.1	409	0.0		0.0		0.0		0.0	
	1979	0.1	341	0.0		0.0		0.0		0.0		0.0	
	1980	0.4	335	<.1	325	0.0		0.0		0.0		0.0	
	1981	<.1	336	0.0		0.0		0.0		0.0		0.0	
	1982	0.2	324	<.1	361	0.0		0.0		0.0		0.0	
	1983	0.1	343	<.1	405	0.0		0.0		0.0		0.0	
	1984	0.2	325	0.1	460	0.0		0.0		0.0		0.0	
	1985	0.3	330	<.1	431	0.0		0.0		0.0		0.0	
	1986	0.2	327	<.1	420	0.0		0.0		0.0		0.0	
	1987	0.2	335	<.1	422	<.1	541		<.1		0.0		0.0
	Other finfishes	1976	0.4	271	1.3	386	0.0		0.0		0.0		0.0
1977		1.3	473	0.4	480	<.1	618		<.1	0.2	1037		0.2
1978		1.0	310	0.2	441	0.1	814		0.1	0.2	1086		0.2
1979		0.8	347	0.2	456	0.1	590		0.1	0.1	879		0.1
1980		1.1	403	0.2	628	0.1	954		0.1	0.1	1057		0.1
1981		1.1	295	0.2	596	0.1	827		0.1	0.3	879		0.3
1982		1.4	447	0.3	539	0.2	733		0.2	0.1	902		0.1
1983		0.9	408	0.2	591	0.1	855		0.1	0.1	878		0.1
1984		0.7	500	0.2	543	0.1	799		0.1	0.1	924		0.1
1985		1.0	415	0.3	586	0.2	810		0.2	0.2	932		0.2
1986		0.9	466	0.1	561	0.1	845		0.1	0.1	933		0.1
1987		0.6	408	0.1	526	0.1	881		0.1	0.1	978		0.1

Table A.13. (Cont'd.).

Species	Year	Mesh size											
		7.6-cm		10.2-cm		12.7-cm		15.2-cm					
		No./h	Length	No./h	Length	No./h	Length	No./h	Length				
Total finfishes	1976	1.4	333	2.1	381	0.4	456	1.3	467				
	1977	2.9	385	1.2	426	0.8	487	1.0	590				
	1978	2.3	320	1.0	416	0.7	534	0.9	686				
	1979	1.9	332	0.7	426	0.4	566	0.4	610				
	1980	3.3	363	0.9	428	0.6	553	0.6	673				
	1981	3.4	321	0.7	425	0.5	567	0.7	689				
	1982	3.0	372	1.1	443	0.6	537	0.6	632				
	1983	2.5	360	1.1	421	0.5	535	0.4	598				
	1984	1.9	361	1.0	438	0.7	558	0.6	634				
	1985	3.1	349	0.9	459	0.6	634	0.6	744				
	1986	2.7	354	1.3	430	0.6	573	0.4	672				
	1987	1.9	366	1.1	416	0.6	536	0.4	618				

Table A.14. Mean catch rates (No./h) and mean total lengths (mm) by mesh size for selected fishes caught with gill nets in the San Antonio Bay system during spring 1976-1987. Blank indicates no measurement taken.

Species	Year	Mesh size												
		7.6-cm		10.2-cm		12.7-cm		15.2-cm						
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	
Red drum	1976	0.7	414	0.3	400	0.0		0.0		0.0		0.0		
	1977	0.2	367	0.1	422	0.0		0.0		0.0		0.0		
	1978	0.1	395	<.1	428	0.0			0.0		0.0			
	1979	0.1	389	0.1	465	<.1	449		<.1		0.0			
	1980	0.4	384	0.3	422	<.1	447		<.1		0.0			
	1981	0.5	383	<.1	407	<.1	519		<.1		0.0			
	1982	0.3	393	0.1	432	<.1	457		<.1		<.1	615		
	1983	0.5	367	0.1	427	<.1	566		<.1		<.1	650		
	1984	<.1	437	0.1	516	<.1	547		<.1		<.1	536		
	1985	<.1	394	0.1	479	<.1	485		<.1		<.1	668		
	1986	0.2	416	0.3	446	0.1	527		0.1		<.1	620		
	1987	0.3	382	0.2	444	0.2	528		0.2		0.1	584		
	Spotted seatrout	1976	0.1		0.3	382	0.1		0.1		0.0		0.0	
		1977	0.8	382	0.1	431	<.1		<.1		0.0		0.0	
1978		1.1	391	0.2	484	<.1	670		<.1		0.0			
1979		0.1	395	<.1	535	0.0	473		0.0		0.0			
1980		0.7	377	0.2	501	<.1	365		<.1		<.1	612		
1981		0.3	390	0.2	528	0.1	507		0.1		<.1	403		
1982		0.6	401	0.2	512	<.1	548		<.1		<.1	385		
1983		0.5	407	0.2	506	<.1	549		<.1		<.1	444		
1984		0.2	429	0.1	530	<.1	575		<.1		<.1	525		
1985		0.2	406	0.1	518	<.1	574		<.1		0.0			
1986		0.3	385	0.1	504	<.1	508		<.1		0.0			
1987	0.2	389	0.1	500	<.1	556		<.1		<.1	427			

Table A.14. (Cont'd.).

Species	Year	Mesh size											
		7.6-cm		10.2-cm		12.7-cm		15.2-cm		12.7-cm		15.2-cm	
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length
Black drum	1976	0.8	300	0.2	335	0.0		0.0		0.0		0.0	
	1977	0.2	238	0.6	306	0.1	475	0.1		0.1		0.0	
	1978	<.1	273	<.1	292	0.0		0.0		0.0		<.1	496
	1979	<.1	290	0.0		<.1	386	<.1		<.1		<.1	578
	1980	0.3	236	0.1	299	<.1	373	<.1		<.1		<.1	470
	1981	<.1	251	0.2	314	0.1	407	0.1		0.1		<.1	497
	1982	0.4	242	0.2	330	0.1	420	0.1		0.1		0.1	495
	1983	0.2	248	0.3	345	0.1	430	0.1		0.1		<.1	464
	1984	<.1	252	0.1	424	0.1	496	0.1		0.1		<.1	530
	1985	<.1	315	<.1	308	<.1	746	<.1		<.1		<.1	951
	1986	<.1	271	0.1	303	<.1	385	<.1		<.1		<.1	402
	1987	<.1	399	0.1	327	<.1	409	<.1		<.1		0.1	502
	Sheepshead	1976	0.2	302	0.0		0.2	380	0.2		0.2		0.0
1977		0.0		0.0		0.1	295	0.1		0.1		<.1	386
1978		0.0		<.1	280	<.1	350	<.1		<.1		<.1	323
1979		0.0		0.0		<.1	402	<.1		<.1		0.0	
1980		<.1	234	<.1	253	<.1	387	<.1		<.1		<.1	448
1981		0.0		0.1	246	0.3	309	0.3		0.3		0.2	394
1982		<.1	295	<.1	290	<.1	335	<.1		<.1		0.1	398
1983		<.1	312	<.1	329	0.1	383	0.1		0.1		<.1	414
1984		<.1	417	<.1	389	0.1	386	0.1		0.1		0.1	409
1985		<.1	346	<.1	358	<.1	404	<.1		<.1		<.1	440
1986		<.1	151	<.1	293	<.1	439	<.1		<.1		<.1	453
1987		0.0		<.1	277	<.1		0.0		0.0		<.1	458

Table A.14. (Cont'd.).

Species	Year	Mesh size													
		7.6-cm		10.2-cm		12.7-cm		15.2-cm		10.2-cm		12.7-cm		15.2-cm	
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length
Sand seatrout	1976	0.0		0.0		0.0		0.0		0.0		0.0		0.0	
	1977	0.0		0.0		0.0		0.0		0.0		0.0		0.0	
	1978	0.0		0.0		0.0		0.0		0.0		0.0		0.0	
	1979	0.0		0.0		0.0		<.1	209	0.0		0.0		0.0	
	1980	0.0		0.0		0.0		0.0		0.0		0.0		0.0	
	1981	<.1	378	0.0		0.0		0.0		0.0		0.0		0.0	
	1982	0.0		0.0		0.0		0.0		0.0		0.0		0.0	
	1983	0.0		0.0		0.0		0.0		0.0		0.0		0.0	
	1984	0.0		0.0		<.1	236	0.0		0.0		0.0		0.0	
	1985	0.0		0.0		0.0		0.0		0.0		0.0		0.0	
	1986	0.0		0.0		0.0		0.0		0.0		0.0		0.0	
	1987	0.0		0.0		0.0		0.0		0.0		0.0		0.0	
	Gafftopsail catfish	1976	0.2	410	0.2	385	1.1	515	0.8	407					
1977		<.1	516	0.2	467	1.7	525	1.4	564						
1978		0.0		0.4	438	1.1	496	0.4	558						
1979		0.0		<.1	474	0.1	534	0.3	541						
1980		0.0		<.1	481	0.6	536	0.5	564						
1981		0.0		<.1	467	0.2	497	0.3	568						
1982		0.0		0.1	498	0.6	531	0.7	561						
1983		<.1	499	0.2	484	0.8	524	0.9	556						
1984		<.1	396	0.2	485	0.4	518	0.6	562						
1985		0.0	439	0.1	450	0.3	536	0.4	565						
1986		<.1		0.1	475	0.2	550	0.2	565						
1987		0.0		<.1	496	<.1	545	0.1	584						

Table A.14. (Cont'd.).

Species	Year	Mesh size												
		7.6-cm		10.2-cm		12.7-cm		15.2-cm						
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	
Gulf menhaden	1976	0.0		0.0		0.1	275	0.0		0.0		0.0		
	1977	0.0		<.1	270	<.1	153	<.1		<.1		<.1	237	
	1978	1.0	254	<.1	255	0.1	289	0.0		0.0		0.0		
	1979	0.0		<.1	132	0.0		0.0		0.0		0.0		
	1980	<.1	238	<.1	324	<.1	282	0.0		0.0		0.0		
	1981	<.1	266	<.1	291	0.1	237	<.1		<.1		<.1	263	
	1982	0.1	241	<.1	298	<.1	239	0.1		0.1		0.1	243	
	1983	0.1	249	<.1	226	<.1	241	<.1		<.1		<.1	234	
	1984	<.1	251	0.1	319	<.1	248	<.1		<.1		<.1	244	
	1985	0.2	245	<.1	232	<.1	224	<.1		<.1		<.1	250	
	1986	0.1	248	<.1	232	<.1	245	<.1		<.1		<.1	233	
	1987	0.0		0.0		<.1	209	<.1		<.1		<.1	243	
	Hardhead catfish	1976	0.3	402	1.1	291	0.1	280	0.1		0.1		0.0	
		1977	0.5	315	0.2	356	0.1	256	0.1		0.1		0.0	
1978		0.8	310	0.2	355	<.1	260	<.1		0.0		0.0		
1979		0.3	319	0.2	361	<.1	329	<.1		<.1		<.1	358	
1980		0.4	318	0.3	347	0.1	313	0.1		0.1		0.1	319	
1981		0.7	314	0.3	351	0.1	336	0.1		<.1		<.1	326	
1982		1.1	319	0.7	347	0.1	331	0.1		0.1		0.1	369	
1983		0.7	331	0.6	358	0.1	318	0.1		0.1		0.1	319	
1984		1.1	330	0.7	355	0.2	307	0.1		0.1		0.1	314	
1985		0.8	339	0.6	359	0.2	320	0.2		0.2		0.1	335	
1986		0.5	328	0.6	361	0.1	347	0.1		0.1		<.1	311	
1987		0.3	336	0.4	373	0.1	355	0.1		0.1		<.1	336	

Table A.14. (Cont'd.).

Species	Year	Mesh size								
		7.6-cm		10.2-cm		12.7-cm		15.2-cm		
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	
Pinfish	1976	0.0		0.0		0.0		0.0		
	1977	0.0		<.1	222	0.0		0.0		
	1978	<.1	196	0.0		0.0		0.0		
	1979	<.1		0.0		0.0		0.0		
	1980	0.0		0.0		0.0		0.0		
	1981	0.0		<.1	246	0.0		0.0		
	1982	<.1	212	<.1	238	0.0		0.0		
	1983	0.0		0.0		0.0		0.0		
	1984	0.0		0.0		0.0		0.0		
	1985	0.0		0.0		0.0		0.0		
	1986	0.0		0.0		0.0		0.0		
	1987	0.0		0.0		0.0		0.0		
	Spot	1976	0.0		0.0		0.0		0.0	
		1977	0.1	230	0.0		0.0		0.0	
1978		0.1	242	0.0		0.0		0.0		
1979		0.0		0.0		0.0		0.0		
1980		<.1	239	0.0		0.0		0.0		
1981		0.0		0.0		0.0		0.0		
1982		<.1	244	0.0		0.0		0.0		
1983		0.1	248	0.0		0.0		0.0		
1984		<.1	255	0.0		0.0		0.0	248	
1985		<.1	238	0.0		0.0		<.1		
1986		<.1	232	0.0		0.0		0.0		
1987		<.1	230	0.0		0.0		0.0		

Table A.14. (Cont'd.).

Species	Year	Mesh size												
		7.6-cm		10.2-cm		12.7-cm		15.2-cm						
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	
Striped mullet	1976	0.0		0.2	338	0.0		0.0		0.0		0.0		
	1977	0.9	317	0.0		0.0		0.0		0.0		0.0		
	1978	0.2	334	0.0		0.0		0.0		0.0		0.0		
	1979	0.7	341	<.1	424	0.0		0.0		0.0		0.0		
	1980	0.2	323	<.1	429	0.0		0.0		0.0		0.0		
	1981	<.1	331	<.1	372	0.0		0.0		0.0		0.0		
	1982	0.2	330	<.1	362	0.0		0.0		0.0		0.0		
	1983	0.2	338	<.1	400	0.0		0.0		0.0		0.0		
	1984	0.2	333	<.1	407	0.0		0.0		0.0		0.0		
	1985	0.1	327	<.1	398	0.0		0.0		0.0		0.0		
	1986	0.1	324	<.1	449	<.1	415	<.1	415	0.0		0.0		
	1987	0.2	314	0.1	408	<.1	419	<.1	419	0.0		0.0		
	Other finfishes	1976	0.1	570	0.0		0.2		0.2		0.2		0.2	760
		1977	0.4	426	0.2	406	0.1		0.1		0.1		0.1	1153
1978		1.2	459	0.3	464	0.2		0.2		0.2		<.1	1079	
1979		0.8	437	0.2	608	0.1		0.1		0.1		0.1	946	
1980		0.4	457	0.2	603	0.1		0.1		0.1		<.1	824	
1981		1.4	391	0.2	470	0.3		0.3		0.3		0.2	865	
1982		0.4	448	0.2	562	0.1		0.1		0.1		0.1	896	
1983		0.6	447	0.2	571	0.1		0.1		0.1		0.1	761	
1984		0.6	514	0.2	552	0.1		0.1		0.1		0.1	848	
1985		0.2	679	0.2	761	0.2		0.2		0.2		0.1	1103	
1986		0.1	464	<.1	492	<.1		0.1		0.1		<.1	962	
1987		0.2	407	<.1	423	<.1		<.1		<.1		<.1	998	

Table A.14. (Cont'd.).

Species	Year	Mesh size											
		7.6-cm		10.2-cm		12.7-cm		15.2-cm					
		No./h	Length	No./h	Length	No./h	Length	No./h	Length				
Total	1976	2.6	363	2.3	332	1.7	472	1.0	466				
finfishes	1977	3.2	340	1.4	361	2.1	503	1.5	581				
	1978	4.6	355	1.1	433	1.6	494	0.4	600				
	1979	2.1	402	0.5	479	0.2	573	0.4	607				
	1980	2.5	358	1.1	427	0.9	503	0.7	547				
	1981	3.0	364	1.1	399	1.2	455	0.8	572				
	1982	3.0	341	1.6	418	1.0	472	1.2	533				
	1983	3.0	345	1.7	419	1.3	493	1.2	548				
	1984	2.2	368	1.5	434	1.0	484	0.9	517				
	1985	1.6	395	1.2	478	0.8	549	0.6	623				
	1986	1.3	355	1.2	405	0.6	507	0.4	565				
	1987	1.2	361	0.9	416	0.4	479	0.3	558				

Table A.15. Mean catch rates (No./h) and mean total lengths (mm) by mesh size for selected fishes caught with gill nets in the Arkansas Bay system during spring 1976-1987. Blank indicates no measurement taken.

Species	Year	Mesh size												
		7.6-cm		10.2-cm		12.7-cm		15.2-cm						
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	
Red drum	1976	0.2	393	0.6	458	0.1	600	0.1	600	0.1	362			
	1977	0.3	363	0.1	480	0.1	475	0.1	475	0.0				
	1978	<.1	403	<.1		0.1	468	0.0	468	0.0				
	1979	0.3	400	0.1	464	<.1	504	<.1	504	<.1	443		443	
	1980	0.3	353	<.1	413	<.1	443	<.1	443	<.1	394		394	
	1981	0.3	369	<.1	471	0.1	488	0.1	488	<.1	458		458	
	1982	0.3	400	0.1	453	<.1	522	<.1	522	<.1	631		631	
	1983	0.4	371	0.1	415	<.1	430	<.1	430	<.1	517		517	
	1984	0.2	414	0.1	422	<.1	492	<.1	492	<.1	435		435	
	1985	0.1	413	0.2	451	0.1	547	0.1	547	<.1	527		527	
	1986	0.4	370	0.1	450	<.1	553	<.1	553	<.1	624		624	
	1987	0.2	368	0.2	454	0.2	564	0.2	564	0.1	543		543	
	Spotted seatrout	1976	1.8	410	0.7	527	0.4	585	0.4	585	0.4	479		479
		1977	0.8	372	0.1	560	0.1	615	0.1	615	0.0			
1978		0.1	381	<.1	501	<.1		<.1		0.0				
1979		0.2	448	0.2	543	<.1	578	<.1	578	<.1	606		606	
1980		0.1	399	0.1	517	<.1	600	<.1	600	0.0				
1981		0.5	414	0.2	533	0.1	619	0.1	619	<.1	690		690	
1982		0.5	400	0.2	493	0.1	535	0.1	535	<.1	455		455	
1983		0.4	410	0.2	516	<.1	546	<.1	546	<.1	401		401	
1984		0.2	405	0.1	490	<.1	443	<.1	443	0.0				
1985		0.2	394	0.1	516	<.1	498	<.1	498	<.1	545		545	
1986	0.3	395	0.1	521	<.1	464	<.1	464	<.1	421		421		
1987	0.3	397	0.2	522	<.1	528	<.1	528	<.1	535		535		

Table A.15. (Cont'd.).

Species	Year	Mesh size											
		7.6-cm		10.2-cm		12.7-cm		15.2-cm					
		No./h	Length	No./h	Length	No./h	Length	No./h	Length				
Black drum	1976	0.0		0.1	320	0.6	388	0.2	427				
	1977	0.2	223	0.8	305	0.2	390	0.1	454				
	1978	0.1	228	0.2	348	0.1	396	0.1	440				
	1979	0.1	225	0.1	310	0.1	366	<.1	457				
	1980	0.3	233	0.3	309	0.2	413	0.1	447				
	1981	0.3	259	0.3	361	0.1	482	0.1	491				
	1982	0.5	246	0.4	314	0.1	418	<.1	493				
	1983	0.2	255	0.6	321	0.3	390	0.1	473				
	1984	<.1	713	<.1	496	<.1	535	<.1	544				
	1985	0.1	276	0.1	306	<.1	467	0.1	565				
	1986	0.1	245	0.1	321	0.1	422	<.1	434				
	1987	0.1	296	0.2	326	0.2	411	0.1	476				
	Sheepshead	1976	0.0		0.0		0.1	281	0.5	352			
		1977	0.0		<.1	230	<.1	235	0.0				
1978		0.0		0.1	264	<.1	343	0.1	448				
1979		0.0		<.1		0.1	317	0.1	323				
1980		<.1	265	<.1	249	<.1	374	0.1	377				
1981		<.1	224	0.1	324	0.1	305	0.1	399				
1982		<.1	182	<.1	301	<.1	337	<.1	362				
1983		<.1	406	<.1	296	<.1	340	<.1	386				
1984		0.0		<.1	401	<.1	404	<.1	399				
1985		<.1	381	0.0		<.1	363	<.1	393				
1986		0.0		<.1	253	<.1	285	<.1	444				
1987		0.0		<.1	297	<.1	323	<.1	390				

Table A.15. (Cont'd.).

Species	Year	Mesh size											
		7.6-cm		10.2-cm		12.7-cm		15.2-cm					
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length
Southern flounder	1976	0.0		0.0		0.0		0.0		0.0		0.0	
	1977	0.0	282	<.1		0.1	383	0.0		0.0		0.0	
	1978	0.0	338	<.1		0.0		0.0		0.0		0.0	
	1979	0.0	291	<.1		0.0		0.0		0.0		0.0	
	1980	<.1	307	<.1		<.1	312	<.1		<.1		<.1	373
	1981	0.0		0.0		<.1	363	<.1		<.1		<.1	324
	1982	<.1	266	<.1	286	<.1	344	<.1		<.1		<.1	400
	1983	<.1	306	<.1	297	<.1	356	<.1		<.1		<.1	433
	1984	<.1	301	<.1	272	<.1	337	<.1		<.1		<.1	361
	1985	<.1	322	<.1	319	<.1	378	<.1		<.1		<.1	432
	1986	<.1	328	<.1	329	<.1	345	<.1		<.1		<.1	392
	1987	<.1	230	<.1	310	<.1	369	<.1		<.1		<.1	
	Atlantic croaker	1976	0.0		0.0		0.0		0.0		0.0		0.0
1977		<.1	285	0.0		0.0		0.0		0.0		0.0	
1978		<.1	247	0.0		0.0		0.0		0.0		0.0	
1979		0.0		0.0		0.0		0.0		0.0		0.0	
1980		<.1	240	0.0		0.0		0.0		0.0		0.0	
1981		<.1	279	<.1	320	<.1	310	<.1		<.1		<.1	
1982		<.1	261	<.1	153	0.0		0.0		0.0		0.0	
1983		<.1	286	0.0		0.0		0.0		0.0		0.0	
1984		<.1	276	<.1		<.1		0.0		0.0		0.0	
1985		<.1	115	0.0		0.0		0.0		0.0		0.0	
1986		<.1	291	0.0		0.0		0.0		0.0		0.0	
1987		<.1	247	<.1	242	<.1		0.0		0.0		0.0	

Table A.15. (Cont'd.).

Species	Year	Mesh size														
		7.6-cm		10.2-cm		12.7-cm		15.2-cm								
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length			
Sand seatrout	1976	0.0		0.0		0.0		0.0		0.0		0.0		0.0		
	1977	0.0		0.0		0.0		0.0		0.0		0.0		0.0		
	1978	0.0		0.0		0.0		0.0		0.0		0.0		0.0		
	1979	0.0		0.0		0.0		0.0		0.0		0.0		0.0		
	1980	0.0		0.0		0.0		0.0		0.0		0.0		0.0		
	1981	0.0		0.0		0.0		0.0		0.0		0.0		0.0		
	1982	0.0		0.0		0.0		0.0		0.0		0.0		0.0		
	1983	0.0		0.0		0.0		0.0		0.0		0.0		0.0		
	1984	0.0		0.0		0.0		0.0		0.0		0.0		0.0		
	1985	0.0		0.0		0.0		0.0		0.0		0.0		0.0		
	1986	0.0		0.0		0.0		0.0		0.0		0.0		0.0		
	1987	0.0		0.0		0.0		0.0		0.0		0.0		0.0		
	Gafftopsail catfish	1976	0.0		0.0		0.0		0.0		0.0		0.0		0.0	
		1977	<.1	335	0.9		0.9	473	1.6		1.6	514	0.5		0.5	553
1978		0.0		0.0		0.0		<.1		<.1	540	<.1		<.1	550	
1979		0.0		0.1		0.1	439	0.2		0.2	537	0.2		0.2	574	
1980		0.0		0.0		0.0		0.2		0.2	531	0.2		0.2	572	
1981		0.0		0.1		0.1	474	0.6		0.6	530	0.7		0.7	561	
1982		<.1		0.1		0.1	500	0.3		0.3	528	0.5		0.5	573	
1983		<.1		0.2		0.2	466	0.4		0.4	528	0.4		0.4	575	
1984		<.1		<.1		<.1	481	0.2		0.2	540	0.2		0.2	577	
1985		<.1		<.1		<.1	425	<.1		<.1	548	0.1		0.1	576	
1986		0.0		0.1		0.1	459	0.2		0.2	530	0.1		0.1	564	
1987		<.1	554	<.1		<.1	482	0.1		0.1	562	0.1		0.1	595	

Table A.15. (Cont'd.).

Species	Year	Mesh size											
		7.6-cm		10.2-cm		12.7-cm		15.2-cm					
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length
Gulf menhaden	1976	0.0		0.0		0.0		0.0		0.0		0.0	
	1977	0.3	247	0.0		0.0		0.0		0.0		0.0	
	1978	0.0		0.0		0.0		0.0		0.0		0.0	
	1979	0.0		0.0		<.1	247	<.1		<.1		<.1	230
	1980	<.1	271	0.0		0.0		0.0		0.0		0.0	
	1981	0.1	255	<.1	256	<.1		<.1	252	<.1		<.1	247
	1982	0.1	253	<.1	250	<.1		<.1	226	<.1		<.1	239
	1983	0.1	245	<.1	255	<.1		<.1	223	<.1		<.1	245
	1984	0.2	249	<.1	252	<.1		<.1	228	<.1		<.1	254
	1985	0.3	251	<.1	224	<.1		<.1	250	<.1		<.1	254
	1986	0.2	245	<.1	254	<.1		<.1	251	<.1		0.0	
	1987	<.1	238	0.0		<.1		<.1	214	<.1		0.0	
	Hardhead catfish	1976	1.6	333	0.4	376	0.2	290	0.1	265	0.1	265	0.1
1977		0.2	293	0.2	324	<.1	264	<.1		<.1		0.0	
1978		0.2	341	0.1	356	0.0		0.0		0.0		0.0	
1979		0.3	315	0.1	369	<.1	279	<.1		<.1		<.1	365
1980		0.2	328	0.1	370	<.1	332	<.1		<.1		<.1	399
1981		0.5	331	0.3	370	<.1	353	<.1		<.1		<.1	334
1982		0.6	321	0.4	364	0.1	312	<.1		<.1		<.1	314
1983		0.4	325	0.4	365	0.1	346	<.1		<.1		<.1	343
1984		0.6	323	0.5	368	0.1	350	0.1		0.1		<.1	337
1985		0.4	334	0.4	368	0.1	313	0.1		0.1		<.1	325
1986		0.3	323	0.3	280	<.1	349	<.1		<.1		<.1	331
1987		0.2	330	0.3	381	<.1	381	<.1		<.1		<.1	322

Table A.15. (Cont'd.).

Species	Year	Mesh size												
		7.6-cm		10.2-cm		12.7-cm		15.2-cm						
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	
Pinfish	1976	0.0		0.0		0.0		0.0		0.0		0.0		
	1977	0.0		0.0		0.0		0.0		0.0		0.0		
	1978	0.0		0.0		0.0		0.0		0.0		0.0		
	1979	<.1	226	0.0		0.0		0.0		0.0		0.0		
	1980	0.0		0.0		0.0		0.0		0.0		0.0		
	1981	0.0		0.0		0.0		0.0		0.0		0.0		
	1982	<.1	228	0.0		0.0		0.0		0.0		<.1	236	
	1983	<.1	160	0.0		0.0		0.0		0.0		0.0		
	1984	<.1	125	0.0		0.0		0.0		0.0		0.0		
	1985	<.1	237	0.0		0.0		0.0		0.0		0.0		
	1986	<.1	174	0.0		0.0		0.0		0.0		0.0		
	1987	<.1	160	0.0		0.0		0.0		0.0		0.0		
	Spot	1976	0.0		0.0		0.0		0.0		0.0		0.0	
		1977	0.1	226	0.0		0.0		0.0		0.0		0.0	
1978		<.1		0.0		0.0		0.0		0.0		0.0		
1979		<.1	245	0.0		0.0		0.0		0.0		0.0		
1980		0.0		0.0		0.0		0.0		0.0		0.0		
1981		<.1	268	0.0		0.0		0.0		0.0		0.0		
1982		<.1	249	0.0		0.0		0.0		0.0		0.0		
1983		<.1	237	0.0		<.1	176	0.0		0.0		0.0		
1984		<.1	253	0.0		0.0		0.0		0.0		0.0		
1985		<.1	241	0.0		<.1	235	0.0		0.0		0.0		
1986		<.1	224	0.0		0.0		0.0		0.0		0.0		
1987		<.1	245	0.0		0.0		0.0		0.0		0.0		

Table A.15. (Cont'd.).

Species	Year	Mesh size											
		7.6-cm		10.2-cm		12.7-cm		15.2-cm					
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length
Striped mullet	1976	0.3	315	0.3	417	0.1		0.0		0.0		0.0	
	1977	0.8	319	0.0		0.0		0.0		0.0		0.0	
	1978	0.2	314	<.1	433	0.0		0.0		0.0		0.0	
	1979	0.1	333	<.1	435	<.1		0.0		0.0		0.0	
	1980	0.1	337	0.0		0.0		0.0		0.0		0.0	
	1981	0.1	337	<.1	320	0.0		0.0		0.0		0.0	
	1982	0.2	332	<.1	363	0.0		0.0		0.0		0.0	
	1983	0.2	337	<.1	426	0.0		0.0		0.0		0.0	
	1984	0.3	332	<.1	404	0.0		0.0		0.0		0.0	
	1985	0.2	335	<.1	420	0.0		0.0		0.0		0.0	
	1986	0.1	333	<.1	391	0.0		0.0		0.0		0.0	
	1987	0.2	331	<.1	423	<.1	420					0.0	
	Other finfishes	1976	0.4	540	0.1	601	0.2	250	0.3	535			
1977		0.1	375	0.2	665	0.1	846	0.1	867				
1978		0.2	259	0.1	474	<.1	921	0.1	1102				
1979		0.4	387	0.1	459	0.1	1108	0.1	917				
1980		0.3	384	0.1	379	<.1	1033	0.1	1048				
1981		0.6	346	0.2	505	0.1	888	0.1	918				
1982		0.7	432	0.2	477	0.1	757	0.1	942				
1983		0.6	453	0.2	547	0.1	744	<.1	824				
1984		0.3	410	0.3	506	0.1	743	0.1	860				
1985		0.3	433	0.3	615	0.2	854	0.1	1025				
1986		0.2	317	0.1	616	0.1	941	0.1	965				
1987		0.4	311	<.1	435	<.1	890	<.1	1087				

Table A.15. (Cont'd.).

Species	Year	Mesh size											
		7.6-cm		10.2-cm		12.7-cm		15.2-cm					
		No./h	Length	No./h	Length	No./h	Length	No./h	Length				
Total finfishes	1976	4.2	384	2.2	462	1.6	433	1.5	411				
	1977	2.8	318	2.3	420	2.3	516	0.8	596				
	1978	0.8	307	0.5	382	0.3	487	0.3	637				
	1979	1.5	364	0.7	443	0.6	502	0.4	562				
	1980	1.4	327	0.7	374	0.6	474	0.5	586				
	1981	2.5	346	1.3	419	1.1	513	1.1	551				
	1982	2.9	356	1.4	402	0.7	484	0.7	647				
	1983	2.3	347	1.6	397	0.9	471	0.6	533				
	1984	1.8	362	1.2	441	0.6	537	0.4	582				
	1985	1.7	355	1.0	474	0.4	601	0.4	665				
	1986	1.7	332	0.8	442	0.4	559	0.3	650				
	1987	1.4	350	1.0	406	0.6	523	0.4	631				

Table A.16. Mean catch rates (No./h) and mean total lengths (mm) by mesh size for selected fishes caught with gill nets in the Corpus Christi Bay system during spring 1976-1987. Blank indicates no measurement taken.

Species	Year	Mesh size												
		7.6-cm		10.2-cm		12.7-cm		15.2-cm						
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	
Red drum	1976	0.4	386	0.3	448	0.0		0.0		0.0		0.0		
	1977	0.1	354	0.2	441	<.1	388	<.1		0.0		0.0		
	1978	0.0		0.3	437	<.1	523	<.1		<.1		<.1	655	
	1979	<.1	432	0.2	466	<.1	415	<.1		<.1		<.1	689	
	1980	0.3	383	0.5	430	0.1	476	0.1		0.1		0.1	638	
	1981	0.1	357	0.1	449	<.1	534	<.1		<.1		<.1	501	
	1982	0.1	426	0.3	451	0.1	513	0.1		<.1		<.1	568	
	1983	0.2	372	0.2	426	<.1	524	<.1		<.1		<.1	536	
	1984	0.2	406	0.4	435	0.2	524	0.2		0.1		0.1	491	
	1985	0.1	429	0.4	452	<.1	549	<.1		<.1		<.1	518	
	1986	0.2	390	0.3	452	0.1	557	0.1		<.1		<.1	626	
	1987	0.2	380	0.2	452	0.1	555	0.1		<.1		<.1	612	
	Spotted seatrout	1976	0.3	322	0.1	496	0.0		0.0		0.0		0.0	
		1977	0.3	368	<.1	310	<.1	505	<.1		0.0		0.0	
		1978	0.3	355	0.2	524	<.1	596	<.1		<.1		<.1	624
		1979	0.1	429	0.1	533	0.1	635	0.1		<.1		<.1	624
		1980	0.1	435	0.1	539	0.1	561	0.1		<.1		<.1	499
1981		0.3	371	0.2	515	<.1	619	<.1		<.1		<.1	672	
1982		0.4	409	0.3	521	0.1	590	0.1		<.1		<.1	571	
1983		0.3	407	0.2	528	0.1	610	0.1		<.1		<.1	610	
1984		0.1	409	0.1	508	<.1	541	<.1		<.1		<.1	506	
1985		0.2	393	0.1	549	0.1	511	0.1		<.1		<.1	564	
1986		0.6	381	0.2	534	0.1	557	0.1		<.1		<.1	566	
1987	0.5	398	0.3	548	0.1	615	0.1		<.1		<.1	538		

Table A.16. (Cont'd.).

Species	Year	Mesh size										
		7.6-cm		10.2-cm		12.7-cm		15.2-cm				
		No./h	Length	No./h	Length	No./h	Length	No./h	Length			
Black drum	1976	0.0		0.4	300	0.0		0.0		0.3	440	
	1977	<.1	225	0.2	291	0.2	386	0.2	373	0.1	427	
	1978	<.1	245	0.2	291	0.2	373	0.2	373	0.0		
	1979	<.1	276	<.1	289	0.1	416	0.1	416	<.1	473	
	1980	<.1	251	0.1	294	0.1	395	0.1	395	<.1	476	
	1981	<.1	239	<.1	308	<.1	387	<.1	387	<.1	572	
	1982	0.1	245	0.1	321	0.2	376	0.2	376	<.1	465	
	1983	0.1	240	0.3	329	0.3	389	0.3	389	0.2	458	
	1984	<.1	348	0.1	370	0.2	416	0.2	416	0.1	463	
	1985	<.1	284	0.1	304	<.1	340	<.1	340	<.1	467	
	1986	<.1	291	0.2	304	0.1	401	0.1	401	0.2	466	
	1987	<.1	373	<.1	404	0.2	454	0.2	454	0.2	475	
	Sheepshead	1976	0.0		0.0		0.0		0.0		0.0	
		1977	0.0		0.0		0.1	252	0.1	252	0.1	336
1978		0.0		<.1	350	<.1	321	<.1	321	0.2	361	
1979		0.0		<.1	283	0.2	352	0.2	352	0.3	378	
1980		0.0		<.1	266	0.1	333	0.1	333	<.1	327	
1981		<.1	242	<.1	288	<.1	318	<.1	318	<.1	381	
1982		<.1	261	<.1	318	0.1	327	0.1	327	0.1	366	
1983		<.1	303	<.1	317	0.2	352	0.2	352	0.1	404	
1984		0.0		<.1	284	0.1	372	0.1	372	0.1	389	
1985		<.1	415	<.1	420	0.1	399	0.1	399	0.1	446	
1986		<.1	338	<.1	378	<.1	375	<.1	375	<.1	407	
1987		<.1	335	<.1	268	<.1	339	<.1	339	<.1	377	

Table A.16. (Cont'd.).

Species	Year	Mesh size							
		7.6-cm		10.2-cm		12.7-cm		15.2-cm	
		No./h	Length	No./h	Length	No./h	Length	No./h	Length
Southern flounder	1976	0.0		0.0		0.0		0.0	
	1977	0.0		<.1		0.0		<.1	430
	1978	0.0	310	<.1		0.1	361	0.0	
	1979	<.1	317	<.1		<.1	372	0.1	409
	1980	0.0	271	<.1		<.1	362	<.1	312
	1981	<.1	266	<.1		<.1	390	0.0	
	1982	<.1	212	<.1		<.1	376	<.1	420
	1983	<.1	421	<.1		<.1	384	<.1	414
	1984	<.1	239	<.1		0.1	371	<.1	401
	1985	<.1	282	<.1		<.1	365	<.1	408
	1986	<.1	376	<.1		<.1	393	<.1	433
	1987	<.1	301	<.1		<.1	337	<.1	412
	Atlantic croaker	1976	1.0	277	0.0		0.0		0.0
1977		0.9	261	0.1	300	0.0		0.0	
1978		0.1	246	0.0		0.0		<.1	487
1979		0.1	265	0.0		0.0		0.0	
1980		0.1	268	<.1		0.0		0.0	
1981		0.1	269	<.1		0.0		0.0	
1982		0.1	276	<.1		<.1	250	<.1	223
1983		0.2	261	<.1		0.0		0.0	
1984		<.1	279	<.1		<.1	185	0.0	
1985		0.1	264	<.1		<.1	223	0.0	
1986		0.3	254	<.1		0.0		0.0	
1987		<.1	263	<.1		0.0		0.0	

Table A.16. (Cont'd.).

Species	Year	Mesh size												
		7.6-cm		10.2-cm		12.7-cm		15.2-cm						
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	
Sand seatrout	1976	0.0		0.0		0.2	266	0.1		0.0		0.1	265	
	1977	0.0		0.0		0.0		0.0		0.0		0.0		
	1978	0.0		0.0		0.0		0.0		0.0		0.0		
	1979	0.0		0.0		0.0		<.1		0.0		<.1	284	
	1980	<.1	312	0.0		0.0		0.0		0.0		0.0		
	1981	0.0		0.0		0.0		0.0		0.0		0.0		
	1982	<.1	333	<.1	270	<.1	268	<.1		<.1		<.1	275	
	1983	<.1	391	<.1	291	<.1	381	<.1		<.1		<.1	242	
	1984	0.0		0.0		<.1	247	0.0		0.0		0.0		
	1985	0.0		0.0		0.0		0.0		0.0		0.0		
	1986	0.0		0.0		0.0		0.0		0.0		<.1	231	
	1987	0.0		0.0		<.1	261	<.1		0.0		0.0		
	Gafftopsail catfish	1976	0.0		0.0		0.0		0.0		0.0		0.0	
		1977	0.0		0.0		0.0		0.0		0.0		0.0	
1978		0.0		<.1	357	0.0		<.1		0.0		<.1	515	
1979		0.0		0.0		0.1	541	0.2		0.1		0.2	554	
1980		0.0		0.0		<.1	578	0.1		0.1		0.1	599	
1981		0.0		<.1	472	0.1	520	<.1		<.1		<.1	548	
1982		0.0		<.1	453	0.1	523	0.1		0.1		0.1	561	
1983		0.0		<.1	448	<.1	504	<.1		0.1		0.1	582	
1984		0.0		<.1	439	0.1	506	0.1		0.1		0.1	564	
1985		0.0		<.1	383	<.1	493	<.1		<.1		<.1	553	
1986		<.1	376	<.1	470	0.1	525	0.1		0.1		0.2	559	
1987		0.0		<.1	496	0.1	548	0.1		0.1		0.1	570	

Table A.16. (Cont'd.).

Species	Year	Mesh size												
		7.6-cm		10.2-cm		12.7-cm		15.2-cm						
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	
Gulf menhaden	1976	0.0		0.0		0.0		0.0		0.0		0.0		
	1977	1.7	249	0.4	279	0.4	256	0.2	258	0.0		0.2	258	
	1978	0.2	258	<.1	319	0.0			0.0			0.0		
	1979	0.1	255	0.0		0.0			<.1			<.1	250	
	1980	<.1	257	0.0		0.0			0.0			0.0		
	1981	0.1	242	<.1	306	0.0			<.1			<.1	196	
	1982	<.1	252	0.0		<.1	226		<.1			<.1	266	
	1983	<.1	247	<.1	273	<.1	244		<.1			0.0		
	1984	<.1	255	<.1	267	<.1	247		<.1			<.1	254	
	1985	0.4	252	<.1	242	0.1	246		0.1			0.1	252	
	1986	0.3	252	<.1	255	<.1	285		<.1			<.1	259	
	1987	0.2	241	<.1	272	<.1	229		<.1			<.1	239	
	Hardhead catfish	1976	0.6	305	0.0		0.0		0.0		0.0		0.1	196
		1977	0.6	322	0.4	297	0.1	393	<.1	349			<.1	349
1978		0.3	294	0.2	337	<.1	292	<.1	364			<.1	364	
1979		0.2	331	0.1	328	<.1	317	<.1	243			<.1	243	
1980		0.3	317	0.1	351	<.1	308	<.1				0.0		
1981		0.3	329	0.2	354	0.1	387	0.1	295			<.1	295	
1982		0.5	326	0.4	362	0.1	363	0.1	351			<.1	351	
1983		0.9	322	0.4	374	0.1	320	0.1	299			<.1	299	
1984		0.7	327	0.5	355	0.1	341	0.1	336			0.1	336	
1985		1.4	331	0.6	360	0.1	356	0.1	324			<.1	324	
1986		0.8	306	0.4	362	0.2	359	0.2	328			<.1	328	
1987	0.3	331	0.4	374	0.1	357	0.1	307			<.1	307		

Table A.16. (Cont'd.).

Species	Year	Mesh size												
		7.6-cm		10.2-cm		12.7-cm		15.2-cm						
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	
Pinfish	1976	0.0		0.0		0.0		0.0		0.0		0.0		
	1977	0.0		0.0		0.0		0.0		0.0		0.0		
	1978	0.0		0.0		0.0		0.0		0.0		0.0		
	1979	0.0		<.1	305	0.0		0.0		0.0		0.0		
	1980	0.0		0.0		0.0		0.0		0.0		0.0		
	1981	0.0		0.0		0.0		0.0		0.0		0.0		
	1982	<.1	227	<.1	240	<.1	281	<.1	228	<.1	281	<.1	228	
	1983	<.1	241	<.1	274	<.1	239	<.1	239	<.1	239	<.1	239	
	1984	<.1	162	0.0		0.0		0.0		0.0		0.0		
	1985	<.1	178	0.0		0.0		0.0		0.0		0.0		
	1986	<.1	168	0.0		0.0		0.0		0.0		0.0		
	1987	<.1	233	0.0		0.0		0.0		0.0		0.0		
	Spot	1976	0.3	233	0.0		0.0		0.0		0.0		0.0	
		1977	0.6	219	0.0		0.0		0.0		0.0		0.0	
1978		0.2	214	<.1		0.0		0.0		0.0		0.0		
1979		<.1	233	0.0		0.0		0.0		0.0		0.0		
1980		0.1	247	0.0		0.0		0.0		0.0		0.0		
1981		<.1	221	<.1	223	<.1	227	<.1	227	<.1	227	<.1	227	
1982		0.1	234	<.1	231	<.1	227	<.1	227	<.1	227	<.1	227	
1983		0.1	233	<.1	267	<.1	227	<.1	227	<.1	227	<.1	227	
1984		0.1	248	0.0		0.0		0.0		0.0		0.0		
1985		<.1	220	0.0		0.0		0.0		0.0		0.0		
1986		0.1	216	<.1	204	<.1	204	<.1	204	<.1	204	<.1	204	
1987		<.1	233	0.0		0.0		0.0		0.0		0.0		

Table A.16. (Cont'd.).

Species	Year	Mesh size							
		7.6-cm		10.2-cm		12.7-cm		15.2-cm	
		No./h	Length	No./h	Length	No./h	Length	No./h	Length
Striped mullet	1976	0.0		0.0		0.0		0.0	
	1977	0.1	340	0.0		0.0		0.0	
	1978	0.1	316	<.1	446	<.1	419	0.0	
	1979	<.1	318	<.1	427	0.0		0.0	
	1980	0.1	309	<.1	345	0.0		0.0	
	1981	<.1	274	0.1	335	0.0		0.0	
	1982	0.2	338	<.1	402	0.0		<.1	393
	1983	0.1	339	<.1	418	<.1	334	<.1	409
	1984	0.1	331	<.1	381	0.0		0.0	
	1985	0.1	335	<.1	405	0.0		0.0	
	1986	0.1	331	<.1	398	<.1	395	0.0	
	1987	0.1	325	<.1	408	0.0		0.0	
	Other finfishes	1976	0.4	298	1.6	354	0.4	388	0.1
1977		0.2	277	0.4	344	0.1	489	<.1	790
1978		0.3	287	0.2	323	0.1	344	0.0	
1979		0.1	319	0.2	341	0.0		<.1	456
1980		0.1	298	0.1	336	<.1	331	<.1	421
1981		0.2	295	0.2	336	0.1	376	0.0	
1982		0.2	398	0.3	418	0.1	470	0.1	553
1983		0.5	416	0.5	443	0.1	564	<.1	579
1984		0.2	403	0.8	354	0.1	452	0.1	561
1985		0.2	329	0.1	384	0.1	559	<.1	691
1986		0.3	309	0.3	353	0.1	386	<.1	570
1987	<.1	438	0.2	375	<.1	374	<.1	633	

Table A.16. (Cont'd.).

Species	Year	Mesh size							
		7.6-cm		10.2-cm		12.7-cm		15.2-cm	
		No./h	Length	No./h	Length	No./h	Length	No./h	Length
Total	1976	2.9	299	2.3	362	0.5	364	0.5	357
finfishes	1977	4.6	271	1.7	324	0.9	341	0.4	372
	1978	1.5	285	1.2	376	0.4	379	0.3	437
	1979	0.8	324	0.8	395	0.5	424	0.6	450
	1980	1.0	332	1.0	395	0.4	402	0.3	523
	1981	1.3	314	0.9	377	0.4	444	0.2	471
	1982	1.7	339	1.5	417	0.8	442	0.5	483
	1983	2.4	352	1.7	425	0.9	418	0.6	470
	1984	1.3	357	2.0	386	0.9	432	0.6	464
	1985	2.6	328	1.5	405	0.5	404	0.4	445
	1986	2.8	310	1.8	402	0.8	449	0.6	485
	1987	1.4	343	1.0	441	0.7	485	0.5	500

Table A.17. Mean catch rates (No./h) and mean total lengths (mm) by mesh size for selected fishes caught with gill nets in the upper Laguna Madre system during spring 1976-1987. Blank indicates no measurement taken.

Species	Year	Mesh size												
		7.6-cm		10.2-cm		12.7-cm		15.2-cm						
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	
Red drum	1976	0.0		0.1	509	0.0		0.0		0.0		0.0		
	1977	0.0		0.1	414	<.1	535	<.1		0.0		0.0		
	1978	<.1	442	0.2	454	<.1	610	<.1		<.1		<.1	671	
	1979	<.1	481	0.2	475	0.0		0.0		0.0		0.0		
	1980	0.4	384	0.4	446	<.1	423	<.1		<.1		<.1	434	
	1981	0.2	385	0.2	421	<.1	620	<.1		0.0		0.0		
	1982	<.1	431	0.2	447	0.1	559	0.1		<.1		<.1	595	
	1983	<.1	377	0.1	441	<.1	525	<.1		<.1		<.1	626	
	1984	0.1	363	0.1	446	<.1	552	<.1		<.1		<.1	603	
	1985	<.1	419	0.2	484	0.1	556	0.1		<.1		<.1	549	
	1986	0.1	385	0.1	433	0.1	585	0.1		<.1		<.1	609	
	1987	<.1	383	0.2	485	0.2	565	0.2		<.1		<.1	616	
	Spotted seatrout	1976	<.1	405	0.0		0.0		0.0		0.0		0.0	
		1977	0.8	379	0.4	517	0.1	682	0.1		<.1		<.1	683
1978		0.6	456	0.2	502	<.1	665	<.1		<.1		<.1	670	
1979		0.3	403	0.1	528	<.1	586	<.1		<.1		<.1	369	
1980		0.3	421	0.1	516	<.1	629	<.1		<.1		<.1	613	
1981		0.3	411	0.1	402	0.1	542	0.1		<.1		<.1	347	
1982		0.4	408	0.2	529	0.1	577	0.1		<.1		<.1	578	
1983		0.3	427	0.3	549	0.1	611	0.1		<.1		<.1	575	
1984		<.1	419	<.1	494	<.1	627	<.1		0.0		0.0		
1985		0.1	388	<.1	472	<.1	663	<.1		<.1		<.1	540	
1986		0.3	394	0.1	545	<.1	555	<.1		<.1		<.1	658	
1987		0.2	393	0.1	564	0.1	607	0.1		<.1		<.1	549	

Table A.17. (Cont'd.).

Species	Year	Mesh size												
		7.6-cm		10.2-cm		12.7-cm		15.2-cm						
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	
Black drum	1976	0.0		0.3	329	0.2	367	<.1		<.1	455			
	1977	0.0		0.1	305	0.2	386	0.1		0.1	473			
	1978	0.0		<.1	294	<.1	376	0.1		0.1	454			
	1979	0.0		0.1	299	0.1	418	0.1		0.1	478			
	1980	<.1	346	0.3	333	0.3	407	0.1		0.1	477			
	1981	<.1	295	0.2	347	0.6	388	0.3		0.3	441			
	1982	<.1	250	0.4	307	0.1	425	0.2		0.2	476			
	1983	<.1	282	0.3	355	0.5	401	0.2		0.2	457			
	1984	<.1	312	0.2	395	0.2	423	0.2		0.2	499			
	1985	<.1	262	0.5	305	0.2	383	0.1		0.1	508			
	1986	<.1	341	0.2	344	0.3	428	0.2		0.2	487			
	1987	<.1	235	0.2	380	0.4	451	0.5		0.5	507			
	Sheepshead	1976	0.0		0.0		0.1	339	0.1		0.1	395		
		1977	0.0		0.0		<.1	336	<.1		0.1	386		
		1978	0.0		0.0		0.1	366	0.1		0.1	416		
		1979	0.0		0.0		<.1	360	<.1		0.1	375		
		1980	0.0		<.1	352	0.1	361	0.1		0.1	378		
		1981	0.0		<.1	313	<.1	350	<.1		0.1	428		
1982		0.0		<.1	327	0.1	351	0.1		0.1	373			
1983		<.1	405	<.1	329	0.1	376	0.2		0.2	411			
1984		<.1	378	<.1	298	<.1	352	<.1		<.1	406			
1985		<.1	438	0.0		<.1	406	<.1		<.1	433			
1986		0.0		<.1	313	<.1	416	<.1		<.1	436			
1987		0.0		<.1	283	<.1	364	<.1		<.1	417			

Table A.17. (Cont'd.).

Species	Year	Mesh size															
		7.6-cm		10.2-cm		12.7-cm		15.2-cm		15.2-cm		Length					
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length				
Southern flounder	1976	0.0		0.0		0.0		0.0		0.0		0.0		0.0			
	1977	0.0		0.0		0.0		0.0		0.0		0.0		0.0			
	1978	<.1	237	<.1	365	0.0		0.0		0.0		<.1	411	<.1	411		
	1979	<.1	216	<.1	351	0.0		0.0		0.0		<.1	410	<.1	410		
	1980	<.1	230	<.1	262	0.0		0.0		0.0		<.1	477	<.1	477		
	1981	<.1	222	0.1	345	<.1	383		<.1	383		<.1		<.1			
	1982	<.1	229	<.1	325	<.1	369		<.1	369		<.1		<.1	397		
	1983	<.1	261	<.1	333	<.1	371		<.1	371		<.1		<.1	432		
	1984	0.0		<.1	316	<.1	323		<.1	323		<.1		<.1	444		
	1985	<.1	246	<.1	333	<.1	374		<.1	374		<.1		<.1	418		
	1986	<.1	274	<.1	300	<.1	387		<.1	387		<.1		<.1	446		
	1987	<.1	365	<.1	401	<.1	392		<.1	392		<.1		<.1	440		
	Atlantic croaker	1976	0.0		0.0		0.0		0.0		0.0		0.0		0.0		
		1977	0.2	276	0.2	326	0.0		0.0		0.0		0.0		0.0		
1978		0.1	261	<.1	325	0.0		0.0		0.0		0.0		0.0			
1979		0.1	283	0.1	314	0.0		0.0		0.0		0.0		0.0			
1980		0.2	300	0.1	334	0.0		0.0		0.0		0.0		0.0			
1981		0.2	284	0.2	322	<.1	280		<.1	280		<.1	290	<.1	290		
1982		0.1	295	0.1	331	<.1	336		<.1	336		0.0		0.0			
1983		0.1	281	<.1	321	<.1	340		<.1	340		<.1	240	<.1	240		
1984		<.1	307	<.1	342	<.1	172		<.1	172		0.0		0.0			
1985		0.2	266	<.1	276	<.1	256		<.1	256		<.1	272	<.1	272		
1986		0.2	289	0.1	322	<.1	288		<.1	288		0.0		0.0			
1987		<.1	288	<.1	327	<.1	362		<.1	362		<.1	287	<.1	287		

Table A.17. (Cont 'd.).

Species	Year	Mesh size												
		7.6-cm		10.2-cm		12.7-cm		15.2-cm						
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	
Gulf menhaden	1976	0.0		0.0		0.0		0.0		0.0		0.0		
	1977	0.0		<.1	282	0.0		0.0		0.0		0.0		
	1978	1.2	264	<.1	268	<.1	265	<.1	179	<.1	280	<.1	280	
	1979	0.2	266	0.0		<.1		<.1	232	0.0		0.0		
	1980	0.6	266	0.1	296	<.1	286	<.1	286	0.0		<.1	185	
	1981	0.0		<.1	269	<.1	272	<.1	272	<.1	249	<.1	249	
	1982	0.3	261	0.1	297	<.1	306	<.1	306	<.1	298	<.1	298	
	1983	<.1	272	<.1	336	<.1	213	<.1	213	<.1	280	<.1	280	
	1984	<.1	263	<.1	305	<.1	270	<.1	270	0.0		0.0		
	1985	<.1	237	<.1	257	<.1		<.1		0.0		0.0		
	1986	<.1	248	<.1	262	<.1		0.0		0.0		0.0		
	1987	<.1	171	<.1	308	0.0		0.0		0.0		0.0		
	Hardhead catfish	1976	0.0		0.0		0.0		0.0		0.0		0.0	
		1977	0.5	290	0.2	307	0.1	297	0.1	297	0.0		0.0	
1978		0.7	291	0.2	291	0.1	249	0.1	249	<.1	253	<.1	253	
1979		0.2	306	0.1	298	0.1	277	0.1	277	0.0		0.0		
1980		0.2	283	<.1	310	<.1	275	<.1	275	<.1	322	<.1	322	
1981		0.8	299	0.1	261	<.1	258	<.1	258	0.0		0.0		
1982		0.7	307	0.2	349	<.1	304	<.1	304	<.1	311	<.1	311	
1983		1.3	317	0.4	316	0.1	280	0.1	280	0.1	289	0.1	289	
1984		1.0	314	0.3	331	0.1	300	0.1	300	<.1	315	<.1	315	
1985		0.9	307	0.3	316	0.1	284	0.1	284	<.1	279	<.1	279	
1986		0.5	311	0.2	348	0.1	278	0.1	278	<.1	294	<.1	294	
1987		0.3	305	0.2	337	0.2	301	<.1	301	<.1	303	<.1	303	

Table A.17. (Cont'd.).

Species	Year	Mesh size												
		7.6-cm		10.2-cm		12.7-cm		15.2-cm						
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	
Striped mullet	1976	<.1	375	0.0		0.0		0.0		0.0		0.0		
	1977	0.1	325	0.1	420	0.0		0.0		0.0		0.0		
	1978	<.1	331	<.1	316	0.0		0.0		0.0		0.0		
	1979	<.1	356	<.1	423	0.0		0.0		0.0		0.0		
	1980	0.1	360	<.1	442	0.0		0.0		0.0		0.0		
	1981	0.2	340	<.1	421	<.1	413	<.1	428	<.1	285	<.1		
	1982	0.1	344	<.1	425	<.1	428	<.1	428	0.0		0.0		
	1983	0.2	348	0.1	418	0.0		0.0		0.0		0.0		
	1984	0.5	339	0.1	416	<.1	334	<.1	449	0.0		0.0		
	1985	0.1	349	0.1	425	<.1	449	<.1		<.1	372	<.1		
	1986	0.1	355	<.1	431	0.0		0.0		0.0		0.0		
	1987	<.1	348	0.1	434	0.0		0.0		<.1	464	<.1		
	Other finfishes	1976	0.0		<.1	275	0.0		0.0		0.0		<.1	436
		1977	0.1	428	0.3	334	<.1		<.1		<.1		<.1	
1978		0.1	447	0.3	358	0.1	400	0.1	478	<.1	452	<.1		
1979		0.1	326	0.1	343	<.1	478	<.1	345	<.1	383	<.1		
1980		<.1	288	0.1	342	<.1	457	<.1	345	<.1	516	<.1		
1981		0.1	297	0.3	332	0.1	341	0.1	341	0.0		0.0		
1982		0.1	352	0.1	360	<.1	440	<.1	440	<.1	602	<.1		
1983		0.1	348	0.1	377	<.1	405	<.1	405	<.1	426	<.1		
1984		0.1	408	0.1	353	<.1	410	<.1	410	<.1	560	<.1		
1985		0.2	357	0.1	327	<.1	448	<.1	448	<.1	493	<.1		
1986		0.1	427	<.1	401	<.1	620	<.1	620	<.1	654	<.1		
1987		<.1	464	<.1	376	<.1	572	<.1	572	<.1	624	<.1		

Table A.17. (Cont'd.).

Species	Year	Mesh size											
		7.6-cm		10.2-cm		12.7-cm		15.2-cm					
		No./h	Length	No./h	Length	No./h	Length	No./h	Length				
Total finfishes	1976	0.1	390	0.5	373	0.3	355	0.2	415				
	1977	1.9	331	1.2	385	0.4	412	0.2	471				
	1978	2.8	347	1.1	384	0.4	394	0.3	432				
	1979	1.0	332	0.8	379	0.3	371	0.2	416				
	1980	1.9	329	1.1	386	0.5	420	0.4	438				
	1981	1.7	323	1.2	349	0.9	388	0.4	408				
	1982	2.3	324	1.3	382	0.5	446	0.4	467				
	1983	2.2	330	1.3	385	0.8	415	0.6	451				
	1984	1.8	337	0.8	379	0.4	410	0.3	483				
	1985	1.7	310	1.2	362	0.5	411	0.2	464				
	1986	1.3	338	0.8	383	0.5	450	0.3	493				
	1987	0.7	334	0.9	411	0.8	488	0.7	505				

Table A.18. Mean catch rates (No./h) and mean total lengths (mm) by mesh size for selected fishes caught with gill nets in the lower Laguna Madre system during spring 1976-1987. Blank indicates no measurement taken.

Species	Year	Mesh size												
		7.6-cm		10.2-cm		12.7-cm		15.2-cm						
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	
Red drum	1976	0.1	440	1.0	461	0.1	440	0.0						
	1977	0.1	390	0.4	440	0.1	510	<.1	422					
	1978	<.1	422	0.4	447	0.1	465	<.1	631					
	1979	<.1	385	0.2	445	<.1	556	<.1	512					
	1980	0.1	418	0.5	432	<.1	521	<.1	644					
	1981	0.3	423	0.5	436	0.1	485	<.1	450					
	1982	0.1	444	0.5	466	0.2	539	0.1	616					
	1983	0.1	416	0.5	445	0.1	556	0.1	604					
	1984	0.1	390	0.2	458	0.2	573	0.1	596					
	1985	<.1	415	0.4	467	0.1	582	0.1	619					
	1986	0.1	400	0.6	465	0.2	581	0.1	650					
	1987	0.2	412	0.5	460	0.3	568	0.2	639					
	Spotted seatrout	1976	2.4	406	0.4	502	0.4	658	0.2	590				
		1977	1.2	396	0.2	462	0.1	625	<.1	598				
		1978	0.7	397	0.3	533	0.2	642	0.1	671				
		1979	0.2	387	0.2	527	0.1	663	<.1	724				
		1980	0.4	397	0.2	517	0.2	663	0.1	616				
1981		1.3	398	0.4	533	0.4	632	0.1	592					
1982		1.4	413	0.6	515	0.4	594	0.1	613					
1983		0.6	419	0.5	520	0.2	615	<.1	575					
1984		0.3	401	0.2	497	0.1	596	<.1	521					
1985		0.8	408	0.4	533	0.2	622	<.1	564					
1986		0.8	398	0.5	540	0.2	619	<.1	581					
1987	0.8	402	0.6	539	0.3	634	0.1	571						

Table A.18. (Cont'd.).

Species	Year	Mesh size													
		7.6-cm		10.2-cm		12.7-cm		15.2-cm		10.2-cm		12.7-cm		15.2-cm	
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length
Black drum	1976	0.0		0.2	315	0.6	397	0.2	425						
	1977	<.1	438	0.1	347	0.3	403	0.4	483						
	1978	0.0		0.3	297	0.2	420	0.4	462						
	1979	<.1	330	0.2	311	0.3	407	0.4	477						
	1980	<.1	218	0.1	375	0.1	436	0.2	491						
	1981	0.1	311	0.2	324	0.3	409	0.3	465						
	1982	0.1	273	0.5	323	0.3	457	0.4	480						
	1983	<.1	312	0.3	387	0.8	419	0.4	510						
	1984	<.1	240	0.1	382	0.2	455	0.3	496						
	1985	<.1	371	0.3	316	0.1	424	0.1	500						
	1986	<.1	292	0.1	354	0.1	480	0.2	507						
	1987	<.1	422	<.1	345	0.2	446	0.2	501						
	Sheepshead	1976	0.0		0.0		0.3	317	0.0	422					
		1977	0.0		0.0		<.1	314	<.1	422					
1978		<.1	342	<.1	375	0.1	343	0.1	372						
1979		0.0		<.1	323	0.1	365	0.1	317						
1980		0.0		<.1	219	0.1	333	0.2	381						
1981		0.0		<.1	270	0.2	322	0.3	336						
1982		<.1	276	0.1	299	0.3	322	0.2	368						
1983		<.1	300	0.1	305	0.2	332	0.1	376						
1984		0.0		<.1	300	0.1	339	0.1	380						
1985		0.0		<.1	306	<.1	349	<.1	371						
1986		<.1	534	<.1	295	<.1	344	<.1	406						
1987		0.0		<.1	286	0.1	346	0.1	420						

Table A.18. (Cont'd.).

Species	Year	Mesh size											
		7.6-cm		10.2-cm		12.7-cm		15.2-cm					
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length
Southern flounder	1976	0.0		0.0		0.2	350	0.0		0.0		0.0	
	1977	0.0		0.0		<.1	323	<.1		<.1		<.1	388
	1978	<.1	216	<.1	363	<.1	335	<.1		<.1		<.1	467
	1979	<.1	328	0.1	341	0.1	385	0.1		<.1		<.1	436
	1980	<.1	299	<.1	346	<.1	361	<.1		<.1		<.1	518
	1981	<.1	270	<.1	287	<.1	402	<.1		<.1		<.1	418
	1982	<.1	310	0.1	320	<.1	356	<.1		<.1		<.1	445
	1983	<.1	350	<.1	330	<.1	372	<.1		<.1		<.1	417
	1984	<.1	204	0.0		<.1	386	<.1		<.1		<.1	470
	1985	<.1	342	<.1	315	<.1	346	<.1		<.1		<.1	404
	1986	<.1	379	<.1	326	0.1	361	<.1		<.1		<.1	434
	1987	<.1	520	<.1	360	<.1	372	<.1		<.1		<.1	436
	Atlantic croaker	1976	0.2	285	0.5	345	0.1	360	0.1		0.0		0.0
1977		0.2	267	<.1	300	0.0		0.0		0.0		0.0	
1978		0.1	276	0.0		0.0		0.0		0.0		0.0	
1979		0.1	262	0.1	350	<.1	412	<.1		0.0		0.0	
1980		0.1	277	<.1	354	0.0		0.0		0.0		0.0	
1981		0.1	277	0.0		0.0		0.0		0.0		0.0	
1982		0.2	300	0.2	367	<.1	422	<.1		<.1		<.1	343
1983		0.2	274	0.1	374	<.1	432	<.1		0.0		0.0	
1984		<.1	264	<.1	328	0.0		0.0		0.0		0.0	
1985		0.1	260	<.1	355	<.1	210	<.1		0.0		0.0	
1986		0.1	288	<.1	289	<.1		0.0		0.0		0.0	
1987		<.1	246	<.1	312	<.1	260	<.1		<.1		<.1	

Table A.18. (Cont'd.).

Species	Year	Mesh size												
		7.6-cm		10.2-cm		12.7-cm		15.2-cm						
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	
Pinfish	1976	0.0		0.0		0.0		0.0		0.0		0.0		
	1977	0.0		0.0		0.0		0.0		0.0		0.0		
	1978	<.1	165	0.0		0.0		0.0		0.0		0.0		
	1979	0.0		0.0		0.0		0.0		0.0		0.0		
	1980	0.0		0.0		0.0		0.0		0.0		0.0		
	1981	<.1	200	0.0		0.0		0.0		0.0		0.0		
	1982	<.1	220	0.0		0.0		0.0		0.0		0.0		
	1983	<.1	201	<.1	190	0.0		0.0		0.0		0.0		
	1984	0.0		0.0		0.0		0.0		0.0		0.0		
	1985	<.1	167	<.1	160	0.0		0.0		0.0		0.0		
	1986	0.0		0.0		0.0		0.0		0.0		0.0		
	1987	<.1	184	0.0		0.0		0.0		0.0		0.0		
	Spot	1976	0.1	230	0.0		0.0		0.0		0.0		0.0	
		1977	0.1	215	0.0		0.0		0.0		0.0		0.0	
		1978	0.1	234	0.0		0.0		0.0		0.0		0.0	
		1979	0.1	245	<.1	272	0.0		0.0		0.0		0.0	
		1980	<.1	234	0.0		0.0		0.0		0.0		0.0	
1981		<.1	241	0.0		0.0		0.0		0.0		0.0		
1982		0.1	236	0.0		0.0		0.0		0.0	278	0.0		
1983		0.1	238	<.1	282	<.1		<.1		<.1	194	0.0		
1984		<.1	238	0.0		0.0		0.0		0.0	230	0.0		
1985		<.1	240	0.0		0.0		<.1		<.1		0.0		
1986		<.1	230	0.0		0.0		0.0		0.0		0.0		
1987	<.1	236	0.0		0.0		0.0		0.0		0.0			

Table A.18. (Cont'd.).

Species	Year	Mesh size											
		7.6-cm		10.2-cm		12.7-cm		15.2-cm					
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length
Striped mullet	1976	0.0		0.0		0.0		0.0		0.0		0.0	
	1977	0.2	330	<.1	404	0.0		0.0		0.0		0.0	
	1978	0.1	334	<.1	420	<.1		<.1		<.1		<.1	
	1979	0.1	330	<.1	406	0.0		0.0		<.1		<.1	392
	1980	0.2	344	0.1	387	0.0		0.0		0.0		0.0	
	1981	0.2	346	<.1	412	0.0		0.0		0.0		0.0	
	1982	0.2	348	<.1	417	<.1		<.1	434	0.0		0.0	
	1983	0.2	350	0.1	420	<.1		<.1	404	0.0		0.0	
	1984	0.4	333	0.1	409	0.0		0.0		0.0		0.0	
	1985	0.1	334	<.1	419	0.0		0.0		0.0		<.1	263
	1986	0.1	332	<.1	382	0.0		0.0		0.0		0.0	
	1987	0.2	331	<.1	420	0.0		0.0		0.0		0.0	
	Other finfishes	1976	0.0		0.0		0.0		0.0		0.0		0.0
1977		0.1	400	0.2	371	<.1		<.1		<.1		<.1	517
1978		0.3	434	0.4	358	0.2		0.2		<.1		<.1	875
1979		<.1	525	0.1	386	0.1		0.1		0.1		0.1	452
1980		<.1	428	0.1	409	0.1		0.1		<.1		<.1	813
1981		0.2	415	0.2	368	0.1		0.1		0.1		0.1	436
1982		0.2	398	0.4	377	0.1		0.1		0.1		0.1	490
1983		0.2	379	0.2	363	0.1		0.1		0.1		0.1	509
1984		0.1	468	0.1	382	0.1		0.1		<.1		<.1	634
1985		0.2	410	0.1	352	0.1		0.1		<.1		<.1	610
1986		0.2	378	0.1	408	0.1		0.1		<.1		<.1	642
1987		0.1	395	0.1	356	0.1		<.1		<.1		<.1	503

Table A.18. (Cont'd.).

Species	Year	Mesh size											
		7.6-cm		10.2-cm		12.7-cm		15.2-cm					
		No./h	Length	No./h	Length	No./h	Length	No./h	Length				
Total finfishes	1976	2.9	389	2.2	428	1.7	442	0.3	508				
	1977	2.1	362	1.0	402	0.7	424	0.5	485				
	1978	1.7	352	1.7	399	0.9	432	0.7	521				
	1979	0.8	345	1.0	402	0.8	440	0.7	465				
	1980	1.2	352	1.1	416	0.7	480	0.6	502				
	1981	2.9	367	1.7	420	1.2	466	0.8	431				
	1982	3.4	351	3.0	386	1.6	456	0.9	476				
	1983	2.4	354	2.4	410	1.7	448	1.0	477				
	1984	1.6	354	1.4	407	0.9	463	0.7	487				
	1985	2.5	324	1.7	412	0.7	480	0.4	473				
	1986	2.1	361	1.8	436	0.9	508	0.4	522				
	1987	2.0	372	2.0	436	1.2	501	0.7	503				

Appendix B. Hydrological summary for gill net and bag seine.

Table B.1. Mean surface salinity (o/oo) at sampled gill net sites by bay system during spring and fall, 1975-1987. ND = no data.

Year	Bay system															
	East				Corpus Christi				Lower							
	Sabine	Galveston	Matagorda	San Antonio	Aransas	Christi	Laquina Madre	Laquina Madre	Laquina Madre	Laquina Madre	Coastwide	Coastwide				
Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall			
1975	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	20.3		
1976	ND	ND	ND	19.8	14.0	19.0	29.4	14.6	15.0	9.9	18.0	16.1	35.0	22.7	29.0	23.8
1977	ND	ND	ND	14.6	18.5	18.0	15.4	12.5	6.8	19.9	16.0	33.8	24.8	39.4	29.3	31.0
1978	ND	ND	ND	22.2	18.9	22.0	14.4	24.0	22.0	13.4	30.0	25.8	41.2	38.6	32.2	17.1
1979	ND	ND	ND	12.8	11.8	9.5	9.9	7.2	7.4	6.9	17.6	23.1	33.5	28.4	29.5	26.1
1980	ND	ND	ND	17.3	24.9	15.1	22.9	20.7	18.6	18.7	29.5	27.2	37.8	24.7	31.8	33.0
1981	ND	ND	ND	29.7	15.9	20.4	13.8	23.2	9.6	8.0	30.9	21.3	29.2	23.9	29.7	31.3
1982	ND	ND	ND	14.5	25.1	12.4	23.0	17.0	27.2	11.9	25.6	22.7	24.4	39.5	25.9	36.1
1983	ND	ND	ND	19.1	12.6	19.6	11.8	19.3	17.4	22.4	30.0	24.5	40.0	34.0	33.5	31.0
1984	ND	ND	ND	23.7	15.6	24.0	18.7	27.4	29.4	22.5	31.8	33.9	39.0	44.4	35.2	22.9
1985	ND	ND	ND	15.1	23.4	11.0	23.6	13.1	23.6	13.1	22.5	29.9	34.8	39.5	32.5	31.8
1986	11.7	13.0	15.4	25.2	13.8	23.5	22.0	20.9	21.8	21.5	30.9	37.0	41.8	46.8	33.7	38.0
1987	8.2	14.3	19.7	16.2	14.4	16.1	20.6	12.3	16.5	16.7	32.8	33.2	28.8	37.6	28.2	34.2

Table B.2. Mean surface water temperature (C) at sampled gill net sites by bay system during spring and fall, 1975-1987. ND = no data.

Year	Bay system																
	East				Corpus Christi				Lower								
	Sabine	Galveston	Matagorda	San Antonio	Aransas	Christi	Laquina Madre	Laquina Madre	Laquina Madre	Laquina Madre	Coastwide	Coastwide					
Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall				
1975	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	22.1			
1976	ND	ND	ND	14.5	28.5	24.9	28.0	24.2	29.0	24.1	26.0	24.2	29.0	18.6	26.5	19.8	
1977	ND	ND	ND	25.4	22.7	24.9	22.8	25.2	23.0	24.8	22.6	25.4	23.1	25.7	21.9	27.0	24.9
1978	ND	ND	ND	26.0	23.5	26.2	23.9	25.2	24.0	26.6	23.9	27.7	23.5	27.0	23.1	27.1	24.2
1979	ND	ND	ND	27.4	23.6	27.3	24.0	27.5	24.7	27.2	24.5	27.1	24.7	28.2	25.5	27.6	25.9
1980	ND	ND	ND	26.1	22.9	26.1	24.6	27.0	23.3	26.7	22.8	27.0	24.1	29.0	27.2	28.8	25.6
1981	ND	ND	ND	26.8	24.4	25.1	24.9	26.6	25.2	27.2	25.0	26.8	25.4	26.6	25.8	26.6	26.3
1982	ND	ND	ND	27.1	24.7	27.3	24.5	25.8	25.2	26.2	23.8	26.4	24.0	27.6	24.7	27.6	25.4
1983	ND	ND	ND	25.8	26.2	24.9	25.6	25.6	25.5	26.1	25.3	26.5	25.6	27.4	27.0	26.5	26.8
1984	ND	ND	ND	25.7	26.4	25.0	25.2	26.0	25.0	25.8	25.2	26.2	25.1	27.3	25.9	27.4	26.9
1985	ND	ND	ND	28.6	25.4	27.3	25.0	26.3	27.4	27.5	25.7	26.4	25.6	27.6	26.2	28.3	27.1
1986	27.0	26.2	26.6	27.2	23.6	26.5	25.2	27.5	25.2	28.0	24.2	26.5	24.5	26.4	26.4	28.0	26.0
1987	25.7	23.7	26.4	26.9	24.5	26.4	25.2	26.7	26.5	26.4	24.9	25.9	24.8	27.6	26.2	25.2	25.1

Table B. 5. Mean surface temperature (C) at sampled bag seine sites by bay system during 1987. ND = no data.

Month	Bay system											
	East		San Antonio			Corpus Christi		Upper Laguna Madre		Lower Laguna Madre		Coastwide
	Sabine	Galveston	Matagorda	Matagorda	San Antonio	Aransas	Christi	Laguna Madre	Laguna Madre	Laguna Madre		
Jan	9.8	16.8	14.3	11.9	12.3	12.6	16.8	15.7	16.2	16.2	14.4	
Feb	11.6	17.5	14.3	16.2	13.8	17.6	16.1	19.2	17.6	17.6	16.6	
Mar	19.5	18.8	18.7	19.3	18.7	20.4	19.9	23.5	21.3	21.3	20.0	
Apr	22.1	23.7	20.1	24.8	16.6	24.3	21.3	24.4	22.5	22.5	22.7	
May	24.9	28.1	27.0	26.3	26.9	26.2	27.7	26.2	27.8	27.8	27.0	
Jun	29.9	27.1	28.9	29.4	29.6	27.7	29.7	28.7	26.3	26.3	28.3	
Jul	29.4	28.1	29.8	30.5	28.6	29.6	30.0	32.2	29.7	29.7	29.6	
Aug	32.8	32.0	31.2	30.7	29.0	30.3	30.7	30.1	30.1	30.1	28.0	
Sep	28.7	25.7	29.3	28.9	28.8	29.2	27.0	28.6	28.2	28.2	28.0	
Oct	23.0	22.9	23.8	22.6	25.6	24.5	24.8	25.2	25.7	25.7	24.4	
Nov	19.2	19.9	22.3	24.2	21.2	19.3	20.7	22.6	22.3	22.3	21.3	
Dec	14.1	15.0	15.0	15.6	15.3	16.1	16.1	18.0	15.2	15.2	15.7	

Table B. 6. Mean surface turbidity (NTU) at sampled bag seine sites by bay system during 1987. ND = no data.

Month	Bay system											
	East		San Antonio			Corpus Christi		Upper Laguna Madre		Lower Laguna Madre		Coastwide
	Sabine	Galveston	Matagorda	Matagorda	San Antonio	Aransas	Christi	Laguna Madre	Laguna Madre	Laguna Madre		
Jan	25	14	66	54	22	9	12	41	7	7	24	
Feb	32	42	19	27	25	9	38	7	18	18	25	
Mar	29	8	24	72	24	11	12	12	19	19	23	
Apr	36	18	30	45	20	5	80	12	23	23	27	
May	26	66	38	34	21	7	32	8	20	20	31	
Jun	21	21	22	43	48	18	30	17	23	23	27	
Jul	25	17	88	42	59	12	48	11	11	11	29	
Aug	41	43	57	36	63	2	8	20	13	13	30	
Sep	10	50	50	30	35	9	31	19	30	30	31	
Oct	17	16	24	22	19	4	11	12	14	14	15	
Nov	9	30	23	14	27	7	7	5	13	13	16	
Dec	14	16	18	14	12	19	12	9	6	6	13	

Appendix C. Mean bag seine abundances (No./ha) and mean total lengths (mm) of selected fishes by month.

Table C.1. Mean abundances (No./ha) and mean total lengths (mm) of selected fishes caught with bag seines by bay system during 1987. Blank indicates no measurement taken.

Species Month	Bay system														Coastwide No./ha Length						
	Sabine		Galveston		East Matagorda		Matagorda		San Antonio		Aransas		Corpus Christi			Upper Laguna Madre		Lower Laguna Madre			
	No./ha	Length	No./ha	Length	No./ha	Length	No./ha	Length	No./ha	Length	No./ha	Length	No./ha	Length		No./ha	Length	No./ha	Length		
Red drum																					
Jan	0		63	49	107	60	10	54	7	46	7	38	0		0		17	58	22	51	
Feb	0		10	85	27	83	40	77	13	67	3	67	43	48	0		157	51	35	59	
Mar	0		3	88	53	84	33	81	43	67	66	64	30	70	0		30	73	28	71	
Apr	0		7	106	13	95	37	91	20	83	0		0		17	111	57	90	18	93	
May	17	168	20	156	10	117	23	142	37	122	0		7	166	3	97	30	105	18	133	
Jun	3	100	3	202	10	167	3	200	3	192	0		3	174	3	167	13	150	4	170	
Jul	3	175	0		0		3	195	20	155	3	202	0		0		0		3	168	
Aug	40	78	0		0		0		0		0		0		0		0		2	78	
Sep	3	39	0		0		0		3	191	0		0		0		0		1	153	
Oct	0		7	35	40	34	0		7	24	13	32	0		0		3	11	6	30	
Nov	7	42	63	41	197	44	30	51	0		13	32	0		0		30	31	30	41	
Dec	0		363	54	110	67	10	83	30	54	0		0		0		50	34	91	54	
Spotted seatrout																					
Jan	0		0		0		0		0		0		0		0		0		0		0
Feb	0		7	71	0		0		0		0		0		0		0		0		1
Mar	0		0		0		0		0		0		7	106	0		0		0		0
Apr	0		13	124	0		0		0		0		0		0		0		0		3
May	0		0		0		0		0		37	36	0		0		0		0		0
Jun	0		0		0		3	78	30	49	0		3	31	0		0		4		51
Jul	0		20	63	43	67	0		17	81	50	93	3	71	3	179	7	65	16	82	
Aug	0		10	86	10	85	3	82	40	81	7	88	0		7	66	10	79	10	82	
Sep	7	104	40	61	3	118	0		10	86	10	72	13	100	0		3	51	13	69	
Oct	7	131	153	70	67	59	27	78	137	68	43	63	87	72	0		0		67	70	
Nov	10	57	23	89	40	76	3	91	0		10	70	3	69	0		13	53	10	77	
Dec	0		0		0		3	118	0		0		3	90	0		0		1		107
Black drum																					
Jan	0		0		0		0		0		0		0		0		0		0		0
Feb	0		0		0		3	190	0		0		0		0		0		<1		190
Mar	0		0		0		0		0		0		0		0		0		0		0
Apr	0		0		0		0		0		0		0		0		0		0		0
May	0		0		0		0		0		0		7	62	0		0		13		39
Jun	0		3	80	0		6	75	0		0		0		206		6		26		50
Jul	0		0		0		0		0		0		63	75	7	104	0		6		78
Aug	0		3	131	0		20	130	10	118	0		7	80	13	90	0		6		115
Sep	0		0		0		10	170	0		0		0		190	92	0		23		97
Oct	0		0		0		13	111	0		0		0		0		0		2		111
Nov	0		0		0		0		0		0		0		0		0		0		0
Dec	0		0		0		0		0		0		0		3	104	0		<1		104

Table C.1. (Cont'd.)

Species Month	Bay System												Coastwide																	
	Sabine			Galveston			East			San Antonio			Aransas			Corpus Christi			Upper Laguna Madre			Lower Laguna Madre			Coastwide					
	No./ha	Length		No./ha	Length		Matagorda	Length		Matagorda	Length	No./ha	Length		No./ha	Length		No./ha	Length		No./ha	Length	No./ha	Length	No./ha	Length				
Sheepshead																														
Jan	0			0			0			0		0			0			0			0		0		0		0		0	
Feb	0			0			0			0		0			0			0			0		0		0		0		0	
Mar	0			0			0			0		0			0			0			0		0		0		0		0	
Apr	0			0			0			0		0			0			0			0		0		0		0		0	
May	0			0			0			0		0			0			0			0		0		0		0		0	
Jun	0			0			0			0		0			0			0			0		0		0		0		0	
Jul	0			0			0			0		0			0			0			0		0		0		0		0	
Aug	0			0			0			0		0			0			0			0		0		0		0		0	
Sep	0			0			0			0		0			0			0			0		0		0		0		0	
Oct	0			0			0			0		0			0			0			0		0		0		0		0	
Nov	0			0			0			0		0			0			0			0		0		0		0		0	
Dec	0			0			0			0		0			0			0			0		0		0		0		0	
Southern flounder																														
Jan	0			7	171		10	41		0		0			0			0			0		0		0		0		0	
Feb	0			10	70		0			0		3			0			0			0		0		0		0		0	
Mar	3	32		120	33		37	35		0		7			0			0			0		0		0		0		0	
Apr	13	47		77	45		23	50		0		10			0			0			0		3		3		3		3	
May	13	50		17	89		0			3	104				3			0			0		10		10		10		10	
Jun	0			0			13	76		0		0			0			0			0		0		0		0		0	
Jul	0			7	92		3	78		3	74				0			0			0		0		0		0		0	
Aug	0			0			7	96		0		0			0			0			0		0		0		0		0	
Sep	0			7	147		3	137		0		0			0			0			0		0		0		0		0	
Oct	0			3	109		0			0		0			0			0			0		0		0		0		0	
Nov	0			0			10	50		0		0			0			0			0		0		0		0		0	
Dec	0			0			0			0		0			0			0			0		0		0		0		0	
Atlantic croaker																														
Jan	10	97		10	38		30	36		40		0			7			0			0		0		0		0		0	
Feb	20	56		1110	45		70	46		217		50			0			0			0		0		0		0		0	
Mar	143	52		1380	45		303	51		423		276			0			0			0		0		0		0		0	
Apr	223	62		1066	58		330	52		160		0			0			0			0		3		3		3		3	
May	337	74		310	84		120	84		1063		3			0			0			0		0		0		0		0	
Jun	70	88		60	96		47	96		193		50			0			0			0		0		0		0		0	
Jul	37	103		47	117		63	121		180		7			0			0			0		0		0		0		0	
Aug	20	124		7	120		13	123		97		0			0			0			0		0		0		0		0	
Sep	20	146		0	7		7	83		33		0			0			0			0		0		0		0		0	
Oct	10	82		13	152		17	31		0		0			0			0			0		0		0		0		0	
Nov	30	31		13	30		0			7		0			0			0			0		0		0		0		0	
Dec	30	41		0			317	38		73		13			3			0			0		0		0		0		0	

Table C.1. (Cont'd.)

Species Month	Bay system																			
	Sabine			Galveston			East			Corpus Christi			Upper Laguna Madre			Lower Laguna Madre			Coastwide	
No./ha	Length	No./ha	Length	No./ha	Length	Matagorda	Matagorda	San Antonio	Aransas	Christi	Upper Laguna Madre	Upper Laguna Madre	Lower Laguna Madre	Lower Laguna Madre	Coastwide	Coastwide	Coastwide			
No./ha	Length	No./ha	Length	No./ha	Length	No./ha	Length	No./ha	Length	No./ha	Length	No./ha	Length	No./ha	Length	No./ha	Length			
Striped mullet																				
Jan	30	144	17	165	90	135	3	157	0	13	24	0	277	28	170	26	63	43		
Feb	3	102	2517	65	170	35	33	69	50	350	33	0	640	30	0	0	660	59		
Mar	7	170	0	204	3	204	67	135	0	10	31	77	0	33	53	34	25	75		
Apr	13	147	20	89	20	30	0	0	0	147	36	887	90	40	0	0	112	39		
May	37	64	17	172	77	72	17	132	7	307	72	123	47	60	160	86	86	83		
Jun	87	84	57	107	17	139	63	74	110	88	84	100	57	89	43	87	69	85		
Jul	30	71	193	143	53	116	117	83	27	108	93	190	30	67	277	137	163	113		
Aug	233	95	47	153	93	99	53	99	123	111	27	233	77	0	97	175	80	114		
Sep	73	105	23	131	33	136	10	84	357	119	140	57	116	10	37	175	80	123		
Oct	20	98	0	0	3	107	33	99	50	122	87	20	7	156	7	73	26	121		
Nov	30	113	40	151	83	123	0	0	7	128	17	3	0	0	17	186	18	143		
Dec	10	118	3	202	73	88	0	0	23	118	0	0	3	200	3	195	7	125		
Other finfishes																				
Jan	43	137	97	88	317	62	90	92	257	70	647	39	83	38	373	39	222	53		
Feb	93	82	137	74	480	69	93	50	1333	69	393	57	1720	34	1116	38	631	50		
Mar	70	108	530	60	213	78	93	106	163	109	167	62	920	49	163	85	307	65		
Apr	150	85	437	49	2090	48	163	64	277	45	2203	48	883	41	393	62	669	49		
May	127	133	2596	68	497	68	383	91	273	66	1316	54	150	58	573	59	962	66		
Jun	157	83	167	70	1693	68	487	78	320	88	620	70	523	39	410	76	474	66		
Jul	227	78	1100	67	430	79	320	101	423	51	1833	58	1370	43	4197	51	1321	57		
Aug	153	79	2257	63	1243	66	587	90	820	80	837	53	497	50	297	83	959	66		
Sep	1517	64	1123	64	240	73	463	107	460	70	553	50	870	35	730	66	721	63		
Oct	83	72	1967	68	353	58	223	91	210	59	1470	47	383	47	90	98	750	62		
Nov	170	72	257	61	640	66	433	65	303	45	1137	59	780	57	753	56	541	58		
Dec	1363	56	503	51	1377	61	350	48	1417	52	900	48	613	50	387	43	745	50		
Total finfishes																				
Jan	87	133	193	82	553	72	143	79	313	64	680	38	360	31	570	38	327	51		
Feb	120	77	3816	55	803	58	477	50	2307	60	1193	41	2376	33	2273	40	1914	49		
Mar	253	70	2083	47	707	62	1140	60	813	58	1140	51	3160	49	1870	47	1500	49		
Apr	877	60	4963	53	4570	49	610	63	1630	45	3650	44	1043	43	1383	60	2466	50		
May	663	86	4247	71	2320	59	7816	75	1803	59	5537	60	587	56	2310	65	3514	68		
Jun	697	71	490	80	11487	61	1137	81	1190	70	2510	69	2217	47	1230	70	1622	66		
Jul	6763	62	3383	82	2997	78	3567	64	1443	69	4033	64	1173	49	5923	64	3355	68		
Aug	517	86	2607	67	1657	75	34103	83	2637	77	950	59	1677	52	754	100	6294	80		
Sep	1700	79	1470	73	1303	85	1420	95	1663	87	837	68	1096	49	1120	70	1407	74		
Oct	153	83	2237	71	520	62	350	92	530	75	1720	67	900	54	143	94	957	71		
Nov	250	72	407	69	1013	68	547	69	310	47	1180	64	353	57	903	61	635	63		
Dec	1757	58	870	54	1877	59	437	49	1490	54	927	48	620	51	460	43	889	51		

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