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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 eight Texas bay systems. Fall and spring gill net catch rates indicate that declines in red drum and spotted seatrout populations have slowed or stopped since the prohibition of sale of these species in September 1981. However, the effect of these regulations has been affected by a coastwide fish kill caused by freezing temperatures during December 1983 and January 1984. 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. Increases in both red drum and spotted seatrout populations levels were noted in fall 1985 gill net and in 1985 annual bag seine catch rates. Black drum catch rates increased in fall 1985 gill nets whereas 1985 bag seine catch rates remained the same. 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 harvesting the same species. Commercial and recreational fishermen in the United States have increased fishing pressure on marine finfish stocks in recent years (Anderson and Power 1957, United States Department of Commerce 1982). Marine landings of finfishes by commercial fishermen increased from 2.04 billion kg in 1955 to 2.95 billion kg in 1980. 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 finfish in Texas bays (Hegen 1983). Gill net sets during spring (15 April-15 June) and fall (15 September-15 November), and bag seine samples monthly 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 1982a, Matlock et al. 1982, McEachron and Green 1986a). In the fall of 1981, 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 statistics in this report compared to previous versions are due to updating the data base and this report should be considered the most accurate. Bag seine statistics in this report are presented on a calendar year basis rather than a fiscal year basis as in previous reports. Bag seine data for 1977 are for three months only (October-December); they are included for presentation purposes only and are not included in the results.

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 eight Texas bay systems (Figs. 1-8) during November 1975 through December 1985. 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 1985. 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 $\geq$ 15.2 m of shoreline (Appendices A and B). 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 in 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 seine samples were collected in East Matagorda Bay beginning February 1983. 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 hectares 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 and during each set in East Matagorda Bay. 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 for 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. 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 (0.9/h) occurred in 1975, 1976, 1979 and 1985; the lowest catch rate (0.5/h) occurred in 1982 and 1983 (Table 1). All other fall catch rates varied from

0.6-0.7/h. Generally, fall catch rates from the upper Laguna Madre (0.2-0.6/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 (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 have ranged from <.1/h to 1.2/h.

The highest fall coastwide spotted seatrout catch rate (0.7/h) occurred in 1976 (Table 1). Catch rates in 1975 and 1977 were 0.5/h. All other catch rates since 1978 have been either 0.3 or 0.4/h. Fall catch rates within each bay system have ranged from 0.1-2.5/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 through 1984 and 1985 to 0.3/h and 0.4/h, respectively. 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 0.5-0.9/h. Lower Laguna Madre catch rates (0.4-2.7/h) were generally higher than in any other bay system.

Spring coastwide black drum catch rates were highest (0.9/h) in 1983 (Table 2). They were lowest (0.3-0.4/h) in 1978, 1979 and 1985. Catch rates ranged from 0.5 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 have ranged from <.1-1.5/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$0.3/h except for East Matagorda Bay during fall 1976 (0.6/h) and fall 1985 (0.4/h).

The highest fall coastwide Atlantic croaker catch rate (0.4/h) occurred in each of 1977, 1983 and 1985 (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 both 1976 and 1977; they were $\leq$0.2/h in all other years

(Table 2). Catch rates within each bay system have 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 each year except for 1982 and 1985 (Table 1). The San Antonio Bay system generally had the highest catch rates (0.0-0.3/h).

The highest spring coastwide gafftopsail catfish catch rates of 1.7 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 system.

Fall coastwide Gulf menhaden catch rates were highest in 1976 (0.8/h) and 1977 (1.4/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 (0.1-4.0/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$0.4/h in all other years (Table 2). The Galveston Bay system catch rates were generally higher (0.1-2.4/h) than in any other bay system.

Highest fall coastwide hardhead catfish catch rates (0.8-0.9/h) occurred in 1979 and during 1982-1985; they ranged from 0.3-0.6/h in all other years (Table 1). Catch rates in the Galveston Bay system were generally higher (0.4-1.6/h) than in any other bay system.

Coastwide spring hardhead catfish catch rates were highest (1.5-1.8/h) during 1982-1985; they ranged from 0.9-1.3/h in all other years (Table 2). Catch rates in the Galveston Bay system were higher (1.6-3.8/h) than in any other bay system.

Fall and spring coastwide pinfish catch rates were $\leq$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 falls 1980, 1982, 1983 and spring 1982.

The highest coastwide fall spot catch rate was 0.3/h in 1976; they were $\leq$0.2/h in all other years (Table 1). Fall catch rates in the Corpus Christi Bay system generally equaled or were higher (0.1-0.8/h) than in any other bay system. Coastwide spring catch rates were $<$0.1/h in all years (Table 2). Spring catch rates within each bay system have ranged from 0.0-0.6/h.

The highest coastwide fall striped mullet catch rate (0.8/h) occurred in both 1975 and 1976; they were 0.3 and 0.4/h in all other years (Table 1). The San Antonio and Aransas Bay systems generally had the highest catch rates (0.3-2.8/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 have ranged from 0.0-0.9/h.

Fall and spring coastwide catch rates of "other finfishes" ranged from 0.5-1.3/h in all years (Tables 1 and 2). Catch rates in each bay system have ranged from <.1-3.1/h. Generally, catch rates in the upper Laguna Madre were lower (0.0-0.6/h) than in any other bay system during both fall and spring.

Fall and spring coastwide "total finfishes" catch rates ranged from 3.7-6.9/h in all years (Tables 1 and 2). Catch rates in each bay system have ranged from 1.9-11.4/h. Generally, highest catch rates (3.5-11.1/h) were recorded in the Galveston Bay system during spring in all years.

Fall and spring coastwide mean lengths did not vary over about 100 mm among years for any species (Tables 1 and 2). Red drum mean lengths ranged from 373-496 mm. Spotted seatrout mean lengths ranged from 424-496 mm. Black drum mean lengths ranged from 346-421 mm. Sheepshead mean lengths ranged from 292-393 mm. Southern flounder mean lengths ranged from 321-365 mm. Atlantic croaker mean lengths ranged from 263-322 mm. Sand seatrout mean lengths ranged from 216-331 mm. Gafftopsail catfish mean lengths ranged from 453-566 mm. Gulf menhaden mean lengths ranged from 238-291 mm. Hardhead catfish mean lengths ranged from 306-337 mm. Pinfish mean lengths ranged from 177-265 mm. Spot mean lengths ranged from 223-271 mm. Striped mullet mean lengths ranged from 326-370 mm. "Other finfishes" mean lengths ranged from 362-565 mm. The mean lengths for "total finfishes" ranged from 349-414 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 C). 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 D). Coastwide annual salinities ranged from 15.9 to 27.9 o/oo during fall and from 14.6 to 27.6 o/oo during spring. Salinities were generally higher in the upper and lower Laguna Madre

than in any other bay system. Coastwide water temperatures were generally lower during fall (21.3-26.0 C) than during spring (24.4-27.4 C). This pattern was consistent in each bay system. Dissolved oxygen ranged from 6-11 ppm in all bay systems during all years in both seasons except for San Antonio Bay in springs 1980 (5 ppm) and 1982 (4 ppm). Turbidities were generally <91 Jackson Turbidity Units (JTU) coastwide and in all bay systems in both seasons.

Bag Seine

Coastwide red drum catch rates were highest (21-26/ha) during 1980-1983 and lowest (6/ha) in 1984; they ranged from 7-19/ha in all other years (Table 3). Catch rates among bag systems ranged from 1/ha in upper Laguna Madre in 1982 and 1985 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 9-14/ha in all other years. Catch rates among bay systems ranged from <1/ha in lower Laguna Madre in 1980 to 38/ha in Galveston Bay in 1979.

Coastwide black drum catch rates were highest (13-16/ha) in 1978 and 1979 (Table 3). Lowest catch rates (2/h) were recorded in each of 1980, 1983 and 1984. Individual bay system catch rates ranged from 0/ha to 40/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.

The highest coastwide southern flounder catch rate (8/ha) occurred in 1982; all other catch rates ranged from 1-4/ha (Table 3). Individual bay system catch rates were $\leq$ 10/ha except in Aransas Bay (18/ha) and lower Laguna Madre (13/ha) in 1982 and in lower Laguna Madre (11/ha) in 1981.

Coastwide Atlantic croaker catch rates were high in 1982 (471/ha) and 1984 (403/ha) and low in 1978 (122/ha) and 1985 (123/ha)(Table 3). All other catch rates ranged from 136-291/ha. Galveston Bay had highest catch rates (182-1812/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 (8-49/ha), East Matagorda (7-10/ha) and Matagorda (3-31/ha) Bays; catch rates in all other bay systems were $\leq$ 2/ha except for lower Laguna Madre in 1984 (8/ha).

Coastwide Gulf menhaden catch rates fluctuated between 312/ha and 3342/ha in all years (Table 3). Bay system catch rates ranged from 0/ha to 14,717/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 12-19/ha in all other years. Highest bay system catch rates occurred in Galveston (12-70/ha), East Matagorda (10-26/ha) and Matagorda (13-48/ha) Bays; catch rates in all other bay systems were $\leq$ 20/ha except in Aransas Bay in 1984 (25/ha).

Coastwide pinfish catch rates were low (47-66/ha) during 1978-1979, intermediate (148-151/ha) in 1980 and 1981 and high (213-282/ha) during 1982-1985 (Table 3). Bay system catch rates ranged from 1/ha in lower Laguna Madre in 1979 to 648/ha in Aransas Bay in 1983.

Coastwide spot catch rates were highest in 1982 (350/ha) and 1984 (432/ha) and lowest in 1979 (156/ha) and 1980 (160/ha); they ranged from 185-273/ha in all other years (Table 3). Bay system catch rates ranged from 21/ha in Matagorda Bay in 1979 to 948/ha in lower Laguna Madre in 1984.

Coastwide striped mullet catch rates fluctuated from 58/ha in 1983 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 900/ha in 1984 to 1591/ha in 1979. Bay system catch rates ranged from 278/ha in Matagorda Bay in 1982 to 3420/ha in Aransas Bay in 1982.

The highest coastwide catch rate (5240/ha) for "total finfishes" occurred in 1980; catch rates in all other years ranged from 2028/ha to 4188/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 1985 indicated seasonal peaks in abundance which were unique for each species (Appendix E). Red drum coastwide catch rates were highest during January-April and December. Coastwide spotted seatrout catch rates were highest during June-November. The highest catch rate for black drum occurred in August. Coastwide sheepshead catch rates were highest during June-August. Highest coastwide southern flounder catch rates occurred during March-April and August. Coastwide Atlantic croaker catch rates were highest during March-May. Sand seatrout coastwide catch rates were highest during April-September with none caught during January-March and November-December. Gafftopsail catfish were only caught in May and August in Galveston and Matagorda Bays, respectively. Coastwide Gulf menhaden catch rates were highest during April-June and August. Coastwide hardhead catfish

catch rates were highest during July-September. Coastwide pinfish catch rates were highest during April-September. Spot coastwide catch rates were highest during March-June. Striped mullet coastwide catch rates were generally highest during January-September. Highest coastwide catch rates of "other finfishes" occurred in January, June and December. The coastwide catch rates for "total finfishes" were highest during March-August.

Hydrologic data during 1985 varied among months and among bay systems (Appendix D). Coastwide salinities ranged from 18.6 o/oo in March to 29.9 o/oo in September. 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 (13.5 C) and highest temperatures in summer (30.8 C). Dissolved oxygen ranged from 6-10 ppm coastwide. Turbidities were generally $\leq$103 JTU's coastwide and 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 (Anonymous 1983). The declines in relative abundance of red drum and spotted seatrout (Matlock 1982b) have stabilized since the imposition of these regulations. However, the full effect of these regulations may not be evident for 3-5 years because spotted seatrout and red drum do not spawn until 3-5 years of age and it takes them 2-3 years to reach a catchable size.

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.

Statistics from the TPWD standardized monitoring program have documented the effects of a catastrophic freeze on finfish populations. The Texas coast experienced a severe fish kill due to cold temperatures during late December 1983 and early January 1984 (McEachron et al. 1984). Preliminary estimates revealed that over 15 million marine

organisms were killed. Of these, approximately 567,000 were spotted seatrout, 285,000 were black drum, 183,000 were sheepshead, 160,000 were Atlantic croaker and 90,000 were red drum. Spotted seatrout spring 1984 gill net catch rates declined to the lowest level recorded during the past 10 years and remained low through spring 1985. Red drum and black drum spring gill net catch rates declined to intermediate levels and remained at or slightly below these levels through spring 1985. Fall 1985 gill net catches increased for these three species and is an indication of improvement in population levels. Spring and fall gill net catch rates for sheepshead, southern flounder, Atlantic croaker, and sand seatrout were generally low in all years and changes in population levels were not obvious. Bag seine catch rates in 1984 for red drum, spotted seatrout, black drum, and sheepshead were the lowest recorded since sampling began; all other species catch rates were greater than the lowest levels previously recorded. The 1985 red drum and spotted seatrout bag seine catch rates increased whereas black drum remained the same.

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 1983-85 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 and that these "seasonal" catch rates be presented in future reports.

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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 1975-1985. Blank indicates no measurement taken; ND = no data.

		Bay system																	
		Galveston		East Matagorda		Matagorda		San Antonio		Aransas		Corpus Christi		Upper Laguna Madre		Lower Laguna Madre		Coastwide	
Species	Year	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
Red drum	1975	1.2	401	ND		1.2	338	0.9	323	1.1	343	0.4	332	0.3	424	0.7	474	0.9	373
	1976	1.1	509	1.4	492	0.5	416	1.6	409	0.5	395	0.5	469	0.3	510	1.3	474	0.9	460
	1977	0.6	453	0.9	391	0.8	446	0.8	377	0.6	393	0.5	435	0.3	367	0.4	439	0.6	420
	1978	0.3	443	0.7	377	1.0	402	0.6	388	0.9	412	0.4	437	0.3	444	0.4	491	0.6	420
	1979	0.7	389	0.7	391	1.4	359	1.9	386	0.9	388	0.8	362	0.5	396	0.5	465	0.9	386
	1980	0.5	458	0.8	475	0.6	434	0.9	414	1.1	390	0.7	366	0.5	457	0.6	449	0.7	424
	1981	0.5	443	0.7	412	0.6	397	0.7	384	0.8	417	0.6	400	0.3	524	0.8	496	0.6	432
	1982	0.6	453	1.0	406	0.6	415	0.5	391	0.5	440	0.2	502	0.2	506	0.4	459	0.5	438
	1983	0.6	444	0.8	405	0.5	421	0.6	417	0.4	438	0.3	462	0.3	482	0.6	518	0.5	444
	1984	0.8	457	1.1	559	0.3	461	0.7	411	0.6	400	0.8	416	0.6	462	0.6	463	0.6	461
	1985	0.9	424	1.3	429	0.8	391	1.2	366	0.9	442	0.8	442	0.4	472	0.9	490	0.9	427
Spotted seatrout	1975	0.3	456	ND		0.6	420	1.0	392	0.6	478	0.4	489	0.2	455	0.8	413	0.5	432
	1976	0.4	464	1.1	453	0.4	436	0.7	429	0.2	480	0.6	391	0.2	463	2.5	428	0.7	435
	1977	0.3	511	0.3	452	0.5	459	0.7	388	0.1	490	0.3	490	0.7	415	0.8	490	0.5	455
	1978	0.3	548	0.3	401	0.8	406	0.5	393	0.1	422	0.2	420	0.5	429	0.5	440	0.4	436
	1979	0.2	448	0.1	385	0.6	416	0.2	447	0.1	475	0.2	409	0.1	441	0.4	482	0.3	441
	1980	0.4	486	0.1	413	0.3	407	0.2	435	0.2	449	0.3	456	0.2	441	0.5	497	0.3	462
	1981	0.3	472	0.8	412	0.4	446	0.3	426	0.2	440	0.4	442	0.2	475	0.7	494	0.4	459
	1982	0.3	482	0.3	499	0.3	452	0.4	437	0.2	498	0.2	523	0.4	451	0.5	476	0.3	470
	1983	0.4	482	0.5	428	0.4	468	0.6	438	0.3	482	0.4	455	0.4	495	0.6	491	0.4	466
	1984	0.4	484	0.5	451	0.2	453	0.2	483	0.2	445	0.3	474	0.2	480	0.5	462	0.3	466
	1985	0.4	471	0.4	443	0.4	464	0.2	452	0.2	471	0.4	450	0.2	486	0.6	482	0.4	465

Table 1. (Cont'd.).

Species	Year	Bay system: Galveston No./h	Galveston Length	East Matagorda No./h	East Matagorda Length	Matagorda No./h	Matagorda Length	San Antonio No./h	San Antonio Length	Aransas No./h	Aransas Length	Corpus Christi No./h	Corpus Christi Length	Upper Laguna Madre No./h	Upper Laguna Madre Length	Lower Laguna Madre No./h	Lower Laguna Madre Length	Coastwide No./h	Coastwide Length
Black drum	1975	0.5	345	ND		0.9	336	0.5	317	0.9	308	0.4	358	1.2	422	1.0	454	0.7	370
	1976	0.3	336	0.7	298	0.9	345	1.2	325	0.6	380	0.2	365	1.1	506	2.2	424	0.9	393
	1977	0.4	397	0.5	364	0.4	339	0.5	325	0.5	346	0.3	381	0.9	410	2.7	399	0.8	384
	1978	0.4	384	1.0	345	0.5	389	0.3	309	0.4	287	0.1	370	0.9	426	0.4	374	0.5	372
	1979	0.2	380	0.1	445	0.2	440	0.4	371	0.3	392	0.3	307	0.4	389	0.5	428	0.3	392
	1980	0.8	396	0.9	344	0.7	310	1.2	301	0.9	346	0.5	371	0.6	365	1.0	404	0.8	367
	1981	0.3	424	0.4	357	0.4	400	0.5	314	0.5	347	0.4	359	0.5	394	0.8	390	0.5	377
	1982	0.7	356	2.4	347	0.7	358	1.1	321	1.0	337	0.6	360	0.8	375	1.9	383	1.0	357
	1983	0.3	382	1.0	371	0.5	374	0.7	327	0.7	348	0.7	406	0.4	411	0.9	417	0.6	379
	1984	0.5	383	0.5	339	0.2	454	0.4	335	0.2	427	0.3	378	0.3	414	0.4	435	0.3	387
	1985	0.8	386	0.6	354	0.4	359	0.4	306	0.4	363	0.3	362	1.0	388	0.6	435	0.6	376
Sheeps-head	1975	<.1	362	ND		0.1	316	0.2	291	1.5	298	0.1	376	0.3	409	0.1	352	0.3	317
	1976	<.1	331	0.3	319	0.2	276	0.4	330	1.0	253	0.1	328	0.2	377	0.2	340	0.3	292
	1977	0.1	342	0.3	316	0.1	314	<.1	292	0.6	266	0.2	337	0.3	406	0.4	348	0.2	322
	1978	0.1	308	0.2	310	0.1	342	0.5	371	0.6	302	0.1	357	0.2	371	0.1	300	0.2	332
	1979	<.1	350	0.2	353	0.1	312	0.4	362	0.8	319	0.2	339	0.1	395	0.2	349	0.2	337
	1980	0.1	283	0.1	309	<.1	353	0.7	296	0.6	306	0.2	359	0.2	382	0.4	330	0.3	316
	1981	<.1	321	0.1	277	0.2	293	0.3	336	0.2	323	0.1	343	0.1	382	0.3	330	0.2	326
	1982	<.1	323	0.2	324	<.1	318	0.1	309	0.3	290	0.1	356	0.2	370	0.3	311	0.2	319
	1983	0.2	323	0.5	345	0.2	344	0.2	340	0.2	338	0.2	371	0.2	389	0.4	326	0.2	345
	1984	0.1	330	0.4	390	0.2	345	0.2	441	0.2	450	0.2	397	0.2	418	0.2	344	0.2	393
	1985	0.2	268	0.2	376	0.2	360	0.2	382	0.2	324	0.2	317	0.2	392	0.2	348	0.2	346

Table 1. (Cont'd.).

Species	Year	Bay system																	
		Galveston		East Matagorda		Matagorda		San Antonio		Aransas		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
Southern flounder	1975	0.1	380	ND		0.1	323	0.1	250	0.1	312	0.1	380	0.1	448	0.1	338	0.1	348
	1976	<.1	365	0.6	310	<.1	296	0.2	363	0.1	304	0.2	352	0.1	347	0.1	392	0.1	343
	1977	0.2	326	0.3	337	<.1	322	0.3	314	0.2	360	0.1	353	<.1	491	<.1	330	0.1	337
	1978	0.1	353	0.1	345	<.1	310	0.1	314	0.1	364	0.2	360	<.1	357	<.1	334	0.1	347
	1979	<.1	341	0.1	341	0.1	352	0.2	388	0.1	336	0.1	243	0.1	396	0.1	367	0.1	355
	1980	0.2	345	0.3	362	0.2	330	0.1	325	0.1	354	0.2	342	0.1	363	0.1	400	0.2	348
	1981	0.1	322	0.1	357	0.1	332	0.1	303	0.1	358	0.1	345	0.1	385	0.1	363	0.1	342
	1982	0.1	351	0.3	348	<.1	341	0.1	318	<.1	361	<.1	346	<.1	345	0.2	352	0.1	347
	1983	0.2	343	0.3	342	0.2	337	0.2	343	0.2	340	0.2	356	0.2	352	0.2	380	0.2	349
	1984	0.2	334	0.3	351	0.2	314	0.2	322	0.2	330	0.2	341	0.2	326	0.2	306	0.2	328
	1985	0.2	334	0.4	360	0.2	338	0.2	325	0.2	324	0.2	352	0.2	340	0.2	330	0.2	340
Atlantic croaker	1975	<.1	243	ND		0.0		0.1	295	0.2	333	0.4	319	0.1	314	0.1	344	0.1	317
	1976	0.3	262	0.1	250	0.3	263	0.4	301	0.2	316	0.6	317	0.4	350	0.3	338	0.3	302
	1977	0.2	294	0.1	274	0.2	270	0.2	285	0.9	307	0.8	350	0.8	350	0.2	334	0.4	320
	1978	0.1	274	0.1	248	0.2	250	0.1	260	0.5	317	0.5	294	0.4	287	<.1	331	0.2	290
	1979	<.1	265	0.2	253	0.1	282	0.2	273	0.1	316	0.5	318	0.1	316	0.2	330	0.1	304
	1980	0.2	287	0.1	263	0.2	262	0.1	258	0.2	323	1.7	303	0.1	317	0.2	298	0.3	296
	1981	0.2	280	0.2	253	0.1	271	0.2	270	0.7	329	0.8	317	0.2	323	0.4	332	0.3	311
	1982	0.3	292	0.4	256	0.1	312	0.2	295	0.3	340	1.1	326	0.4	359	0.2	345	0.3	322
	1983	0.3	284	0.4	260	0.2	263	0.5	288	0.3	307	1.0	322	0.1	366	0.5	320	0.4	302
	1984	0.3	281	0.2	262	0.1	259	0.2	245	0.2	273	0.5	271	0.2	267	0.2	268	0.2	268
	1985	0.7	273	0.5	258	0.2	228	0.1	261	0.4	270	0.6	279	0.2	326	0.4	285	0.4	273

Table 1. (Cont'd.).

		Bay system																	
		Galveston		East Matagorda		Matagorda		San Antonio		Aransas		Corpus Christi		Upper Laguna Madre		Lower Laguna Madre		Coastwide	
Species	Year	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	0.1	309	ND		0.3	286	0.0		0.1	308	0.1	288	0.0		0.0		0.1	294
	1976	0.2	290	0.3	296	0.1	299	0.0		0.0		0.3	308	0.0		0.0		0.1	299
	1977	0.2	326	0.0		<.1	321	0.0		0.0		0.0		<.1	377	0.0		0.1	331
	1978	<.1	303	<.1		<.1	184	0.0		0.0		0.0		0.0		0.0		<.1	243
	1979	0.1	261	0.0		0.1	252	<.1	211	0.0		0.1	294	<.1	268	0.0		0.1	262
	1980	0.2	309	0.0		<.1	220	0.0		0.0		0.0		0.0		<.1	325	0.1	297
	1981	0.2	271	0.1	245	<.1	242	0.1	175	<.1	226	0.1	266	0.1	335	0.2	311	0.1	269
	1982	0.2	292	0.1	245	0.2	250	0.1	249	<.1	297	0.2	303	<.1	265	0.1	306	0.1	277
	1983	0.2	297	0.1	230	0.2	280	0.1	240	0.1	294	0.1	276	0.0		0.2	304	0.1	280
	1984	0.1	287	0.1	314	0.2	284	<.1	282	0.1	279	0.2	292	0.0		0.2	295	0.1	291
	1985	0.2	281	<.1	255	0.2	258	<.1	332	<.1	237	0.2	257	0.0		0.2	321	0.1	279
Gafftop-sail catfish	1975	0.0		ND		0.1	571	0.0		<.1	540	0.1	573	0.0		0.0		<.1	566
	1976	0.1	481	0.0		0.2	528	0.3	499	<.1	587	<.1	475	0.0		0.0		0.1	509
	1977	0.1	492	0.0		<.1	499	0.2	528	0.1	385	<.1	600	0.1	527	0.0		0.1	502
	1978	0.0		0.0		0.1	514	0.1	552	0.0		0.1	553	0.0		0.0		<.1	540
	1979	0.0		0.2	520	0.0		0.2	496	0.1	520	0.0		0.0		0.0		0.1	510
	1980	0.1	550	0.0		0.1	478	0.2	511	0.1	536	0.1	549	0.0		0.0		0.1	523
	1981	0.2	465	0.0		0.1	507	0.1	518	0.2	425	0.2	478	0.0		0.1	317	0.1	453
	1982	0.2	419	<.1	616	0.2	524	0.3	512	0.2	433	0.1	527	<.1	541	0.0		0.2	490
	1983	0.1	491	0.2	465	0.1	479	0.3	508	0.2	534	0.2	476	0.0		0.1	432	0.1	490
	1984	0.1	504	0.2	470	0.2	516	0.3	496	0.2	483	0.2	445	0.0		<.1	315	0.1	478
	1985	0.2	516	0.2	494	0.2	487	0.2	538	0.2	526	0.2	484	0.1	556	<.1	511	0.2	511

Table 1. (Cont'd.).

		Bay system																	
		Galveston		East Matagorda		Matagorda		San Antonio		Aransas		Corpus Christi		Upper Laguna Madre		Lower Laguna Madre		Coastwide	
Species	Year	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
Gulf menhaden	1975	0.6	274	ND		1.8	299	0.1	280	0.1	306	0.5	283	0.3	281	0.1	312	0.5	291
	1976	3.0	240	<.1		0.4	247	0.3	274	0.2	265	0.4	274	0.2	320	0.1	274	0.8	251
	1977	4.0	246	0.1	259	0.2	244	0.1	245	0.1	228	2.6	254	1.9	262	0.1	201	1.4	251
	1978	0.6	249	0.5	248	0.1	249	0.2	241	0.6	242	1.7	251	0.2	264	0.0		0.4	249
	1979	0.2	244	0.1	224	0.5	250	0.1	238	0.1	255	0.3	253	0.2	267	0.1	293	0.2	252
	1980	0.3	253	<.1		0.1	260	0.1	255	0.2	241	0.1	251	0.7	249	0.1	325	0.2	255
	1981	0.7	259	0.0		0.2	241	0.2	242	0.2	234	0.3	256	0.8	260	0.2	276	0.4	256
	1982	0.6	250	0.1	310	0.2	234	0.2	229	0.2	235	0.8	256	0.2	257	0.1	239	0.3	238
	1983	1.5	256	0.1	255	0.2	254	0.2	237	0.2	239	0.3	262	0.1	291	0.1	272	0.5	256
	1984	1.0	256	0.2	278	0.3	248	0.4	237	0.6	251	0.6	282	0.2	275	0.3	283	0.5	261
	1985	1.6	249	<.1	233	0.2	250	0.2	255	0.2	266	0.5	258	0.2	275	0.2	276	0.5	255
Hardhead catfish	1975	0.8	311	ND		0.2	310	0.6	321	0.1	308	0.4	326	0.6	300	0.3	297	0.4	311
	1976	0.8	350	<.1	322	0.3	269	0.8	308	0.2	289	0.4	297	0.6	291	0.6	291	0.5	306
	1977	0.4	344	0.3	333	0.2	308	0.3	319	0.2	335	0.3	317	0.4	315	0.6	328	0.3	326
	1978	1.5	344	0.1	291	0.2	279	0.2	328	0.3	331	0.3	315	0.5	283	0.6	346	0.6	327
	1979	1.6	348	0.2	341	0.2	337	0.7	337	0.3	339	0.3	330	0.4	287	0.5	334	0.8	336
	1980	0.7	336	0.4	337	0.1	331	0.6	317	0.3	328	0.2	352	0.4	292	0.5	328	0.4	326
	1981	1.0	338	0.3	323	0.4	310	1.0	344	0.4	345	0.4	349	0.3	306	0.7	347	0.6	337
	1982	1.6	337	0.4	334	0.3	315	0.8	341	0.4	344	0.4	348	0.6	305	0.8	332	0.8	333
	1983	1.2	340	0.4	329	0.4	333	0.6	327	0.5	353	0.5	337	1.1	317	0.9	353	0.8	336
	1984	1.6	328	1.1	323	0.5	325	1.0	335	0.7	340	0.4	344	0.9	307	0.8	329	0.9	328
	1985	1.3	325	0.5	328	0.7	339	1.0	351	0.5	353	0.6	348	0.8	313	1.0	318	0.9	333

Table 1. (Cont'd.).

Species	Year	Bay system: Galveston No./h	Galveston Length	East Matagorda No./h	East Matagorda Length	Matagorda No./h	Matagorda Length	San Antonio No./h	San Antonio Length	Aransas No./h	Aransas Length	Corpus Christi No./h	Corpus Christi Length	Upper Laguna Madre No./h	Upper Laguna Madre Length	Lower Laguna Madre No./h	Lower Laguna Madre Length	Coastwide No./h	Coastwide Length
Pinfish	1975	0.0		ND		0.0		0.0		0.0		<.1	180	<.1	178	0.0		<.1	179
	1976	0.0		0.2	199	0.0		0.1	216	0.0		0.1	205	<.1	240	<.1	220	<.1	210
	1977	0.0		0.0		0.0		0.0		<.1	210	0.0		0.1	260	0.1	209	<.1	230
	1978	<.1	238	<.1	168	0.0		0.1	222	<.1	247	0.1	211	0.1	189	<.1	230	<.1	193
	1979	0.0		0.0		<.1	181	0.0		0.0		0.1	240	<.1	155	<.1	218	<.1	207
	1980	<.1	157	0.0		0.0		0.0		<.1		0.2	237	0.1	185	0.0		<.1	211
	1981	0.1	212	0.0		<.1	230	0.1	176	0.1	206	0.1	248	0.1	278	0.1	250	0.1	228
	1982	<.1	207	<.1	227	<.1	202	<.1	187	0.1	217	0.2	267	0.1	225	<.1	239	<.1	232
	1983	0.1	191	<.1	202	<.1	178	0.1	167	<.1	174	0.2	237	0.1	227	0.1	183	0.1	203
	1984	<.1	153	0.0		0.1	194	0.1	143	0.1	165	0.1	230	0.1	231	<.1	172	0.1	188
	1985	0.0		<.1	170	0.1	193	<.1	206	0.1	152	0.1	186	0.1	188	<.1	182	<.1	181
Spot	1975	0.0		ND		<.1	305	<.1	230	0.1	236	0.8	243	0.4	270	0.2	236	0.2	250
	1976	0.3	235	0.1	260	0.2	229	0.3	236	0.1	260	0.3	229	0.1	257	0.5	298	0.3	254
	1977	0.2	234	0.1	265	<.1	256	0.2	240	0.1	244	0.3	232	0.3	252	0.4	251	0.2	245
	1978	0.1	226	0.1	234	0.3	238	0.2	272	0.2	259	0.2	248	0.4	254	0.1	223	0.2	248
	1979	0.0		0.0		<.1	259	0.1	287	0.1	274	0.1	264	0.2	272	0.1	266	0.1	271
	1980	0.1	235	<.1	221	0.4	235	0.1	246	<.1	217	0.3	250	0.2	240	<.1	250	0.2	240
	1981	0.1	240	0.2	237	<.1	240	<.1	253	0.1	271	0.1	254	0.2	250	0.1	246	0.1	249
	1982	0.3	241	<.1	247	0.1	232	0.1	274	0.1	257	0.5	260	0.2	244	0.2	252	0.2	252
	1983	0.2	242	0.2	258	<.1	243	0.2	245	0.1	258	0.3	263	0.1	255	0.1	252	0.2	253
	1984	0.1	247	0.1	242	0.1	244	0.1	241	0.1	271	0.5	254	0.1	230	<.1	231	0.1	239
	1985	0.3	233	<.1	229	0.1	234	0.1	237	0.1	237	0.4	244	0.4	234	0.4	235	0.2	236

Table 1. (Cont'd.).

		Bay system																	
		Galveston		East Matagorda		Matagorda		San Antonio		Aransas		Corpus Christi		Upper Laguna Madre		Lower Laguna Madre		Coastwide	
Species	Year	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
Striped mullet	1975	0.4	328	ND		0.4	341	0.6	323	2.8	327	1.0	375	0.3	355	0.5	338	0.8	338
	1976	0.3	365	0.2	305	0.3	359	1.7	331	0.4	363	0.4	349	0.7	409	2.2	394	0.8	368
	1977	0.1	379	0.2	413	0.4	342	0.5	353	0.3	324	0.4	388	0.4	396	0.7	350	0.4	363
	1978	0.2	421	0.6	343	0.7	347	0.5	322	1.3	335	0.2	343	0.1	369	0.3	378	0.4	346
	1979	0.1	373	0.1	356	0.3	352	0.8	346	0.7	342	0.4	354	0.6	411	0.3	368	0.4	362
	1980	0.2	397	<.1	319	0.2	351	0.6	369	0.6	368	0.3	367	0.3	362	0.4	346	0.3	364
	1981	0.2	457	0.1	367	0.1	360	0.6	347	0.6	349	0.3	363	0.4	370	1.0	331	0.4	354
	1982	0.3	405	0.5	350	0.3	341	0.3	344	0.9	337	0.3	348	0.2	349	0.5	377	0.4	354
	1983	0.2	404	0.2	334	0.3	361	0.3	343	0.6	362	0.4	361	0.3	390	0.7	378	0.4	367
	1984	0.4	378	0.7	334	0.2	343	0.5	368	0.6	342	0.4	384	0.5	379	0.5	351	0.4	358
	1985	0.2	352	0.3	281	0.2	350	0.6	356	0.3	358	0.4	346	0.4	400	0.4	373	0.3	355
Other finfishes	1975	1.5	479	ND		1.0	462	0.4	459	1.2	401	1.0	356	0.5	391	1.0	370	1.0	419
	1976	1.0	399	0.2	308	1.3	476	1.0	451	1.7	431	1.0	373	0.2	459	1.3	383	1.1	419
	1977	0.4	546	0.2	416	3.1	406	2.4	357	0.5	505	1.4	343	0.5	305	1.2	385	1.3	388
	1978	0.6	309	0.2	296	1.2	381	2.1	470	0.8	441	0.2	336	0.6	353	0.8	420	0.8	409
	1979	0.7	463	<.1	540	0.8	376	0.6	455	0.5	516	0.4	337	0.3	362	0.5	433	0.6	427
	1980	0.4	391	0.2	408	0.6	393	1.1	315	0.7	350	0.4	339	0.3	431	0.3	394	0.5	362
	1981	1.0	396	0.5	370	0.6	487	0.9	464	0.9	458	1.1	403	0.2	414	0.6	415	0.8	427
	1982	1.1	371	0.6	327	1.0	488	1.1	495	0.9	452	0.8	370	0.3	408	0.7	426	0.9	425
	1983	1.2	412	1.7	187	1.4	399	1.0	446	0.9	580	1.7	360	0.2	405	0.6	414	1.0	397
	1984	1.2	404	0.8	336	0.8	512	0.4	616	0.7	700	0.7	419	0.2	445	0.6	535	0.7	482
	1985	1.0	383	0.6	397	0.8	474	0.5	576	0.4	744	0.4	431	0.2	378	0.6	437	0.6	466

Table 1. (Cont'd.).

		Bay system																	
		Galveston		East Matagorda		Matagorda		San Antonio		Aransas		Corpus Christi		Upper Laguna Madre		Lower Laguna Madre		Coastwide	
Species	Year	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
Total finfishes	1975	5.9	380	ND		6.7	355	4.6	345	9.1	342	5.7	343	4.4	375	4.8	392	5.8	359
	1976	7.7	334	6.6	306	5.0	393	9.1	366	5.0	364	4.9	350	4.3	416	11.4	401	6.9	366
	1977	6.8	317	3.2	363	5.9	389	6.3	346	4.0	336	7.4	325	6.6	340	7.8	383	6.3	349
	1978	4.0	342	4.0	324	5.0	359	5.1	391	5.5	338	4.2	317	3.9	353	3.1	391	4.4	352
	1979	3.5	365	2.1	373	4.2	346	5.6	368	3.8	372	3.4	328	2.6	368	3.5	395	3.7	364
	1980	4.0	371	2.9	372	3.4	347	6.1	341	4.8	350	5.0	337	3.8	350	4.2	390	4.3	355
	1981	4.2	357	3.3	355	3.0	383	4.7	356	4.4	375	4.8	362	3.0	354	5.5	388	4.2	367
	1982	6.1	347	6.3	354	3.6	371	5.2	363	4.6	367	5.1	337	3.5	363	5.8	381	5.0	360
	1983	5.9	350	6.2	341	3.9	373	5.3	351	3.8	397	5.9	356	2.9	361	5.5	400	4.8	364
	1984	6.4	364	5.7	367	2.1	365	3.8	357	3.8	415	4.2	347	3.0	372	4.1	406	4.2	373
	1985	7.0	334	4.5	366	3.8	383	4.2	374	3.3	399	4.0	358	3.4	363	4.7	391	4.6	368

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 1976-1985. Blank indicates no measurement taken; ND = no data.

		Bay system																	
		Galveston		East Matagorda		Matagorda		San Antonio		Aransas		Corpus Christi		Upper Laguna Madre		Lower Laguna Madre		Coastwide	
Species	Year	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
Red drum	1976	<.1	310	ND		1.0	429	1.0	405	1.0	451	0.6	412	0.2	538	1.2	333	0.7	407
	1977	0.3	451	0.2	415	0.1	467	0.3	386	0.4	435	0.4	396	0.1	438	0.5	269	0.3	391
	1978	0.1	394	0.4	430	0.5	489	0.2	399	0.2	449	0.3	470	0.2	495	0.5	275	0.3	415
	1979	0.2	491	0.1	447	0.2	413	0.2	427	0.5	426	0.3	498	0.2	479	0.3	304	0.3	429
	1980	0.9	449	0.4	440	1.1	385	0.7	400	0.4	373	1.0	432	0.8	418	0.6	288	0.8	402
	1981	0.3	431	0.2	462	0.2	408	0.5	397	0.5	406	0.3	431	0.3	411	1.0	441	0.4	443
	1982	0.9	477	0.4	439	0.5	422	0.4	409	0.4	432	0.5	473	0.3	496	1.0	502	0.6	466
	1983	0.8	467	1.1	477	0.7	417	0.8	404	0.6	395	0.4	425	0.2	492	0.8	475	0.7	444
	1984	1.0	482	0.6	448	0.2	437	0.2	515	0.4	421	0.8	455	0.3	438	0.6	523	0.5	468
	1985	0.6	528	0.4	513	0.2	490	0.2	501	0.4	472	0.6	462	0.4	502	0.4	504	0.4	496
Spotted seatrout	1976	<.1	530	ND		0.3	400	0.5	382	3.3	474	0.3	365	0.0		3.4	457	1.1	456
	1977	0.2	516	2.0	440	0.2	384	0.9	400	1.0	402	0.4	384	1.3	444	1.5	423	0.8	424
	1978	0.2	524	0.4	432	0.6	414	1.4	413	0.1	446	0.5	446	0.9	472	1.4	511	0.7	461
	1979	0.2	518	0.5	430	0.2	486	0.1	443	0.5	499	0.3	533	0.4	438	0.6	527	0.3	496
	1980	0.1	439	0.8	396	0.6	428	0.9	397	0.2	475	0.3	505	0.5	473	0.9	527	0.5	457
	1981	0.4	483	1.9	410	0.4	406	0.7	464	0.8	470	0.5	440	0.4	430	2.2	485	0.8	462
	1982	0.4	492	0.9	462	0.5	460	0.8	444	0.7	433	0.8	493	0.8	489	2.5	503	0.9	480
	1983	0.4	524	1.6	440	0.7	457	0.9	440	0.7	449	0.6	491	0.3	523	1.3	491	0.7	467
	1984	0.3	499	0.7	432	0.4	441	0.3	480	0.3	436	0.3	479	0.1	510	0.6	460	0.3	458
	1985	0.5	510	0.5	480	0.2	479	0.3	462	0.4	456	0.4	473	0.2	492	0.9	488	0.4	482

Table 2. (Cont'd.).

Species	Year	Bay system: Galveston No./h	Galveston Length	East Matagorda No./h	East Matagorda Length	Matagorda No./h	Matagorda Length	San Antonio No./h	San Antonio Length	Aransas No./h	Aransas Length	Corpus Christi No./h	Corpus Christi Length	Upper Laguna Madre No./h	Upper Laguna Madre Length	Lower Laguna Madre No./h	Lower Laguna Madre Length	Coastwide No./h	Coastwide Length
Black drum	1976	0.2	310	ND		0.8	443	1.0	306	0.9	389	0.6	360	1.1	352	0.9	387	0.7	370
	1977	0.4	388	0.3	250	0.5	518	1.0	315	1.2	330	0.5	347	0.4	376	0.9	430	0.7	377
	1978	0.2	453	0.4	352	0.2	300	0.1	318	0.4	336	0.4	318	0.1	388	0.8	397	0.3	370
	1979	0.3	295	0.6	320	0.4	460	<.1	465	0.4	315	0.1	396	0.3	370	0.9	416	0.4	377
	1980	0.4	312	1.0	276	0.9	384	0.5	256	1.0	321	0.3	353	0.7	384	0.4	456	0.6	346
	1981	0.8	422	0.8	301	0.3	302	0.4	358	0.8	362	0.1	372	1.1	390	0.9	402	0.6	384
	1982	0.6	349	0.8	323	0.5	369	0.7	328	1.1	305	0.4	342	0.7	382	1.2	401	0.7	353
	1983	0.8	333	2.7	367	0.6	366	0.6	337	1.2	340	0.9	368	0.4	390	1.6	438	0.9	372
	1984	0.7	372	0.9	389	0.2	367	0.3	464	0.2	562	0.4	418	0.5	443	0.6	462	0.5	421
	1985	0.5	345	0.3	332	0.2	493	0.2	526	0.3	394	0.2	340	0.8	345	0.4	373	0.4	375
Sheeps-head	1976	0.0		ND		0.1	420	0.3	341	0.6	342	0.0		0.5	367	0.3	318	0.2	349
	1977	<.1	338	<.1	234	0.1	280	0.1	308	<.1	232	0.1	294	0.1	380	0.1	336	0.1	315
	1978	0.0		0.4	294	<.1	278	0.1	313	0.2	354	0.2	356	0.2	395	0.2	358	0.2	350
	1979	<.1	305	0.1	289	0.1	391	<.1	402	0.2	319	0.5	364	0.1	370	0.2	339	0.2	350
	1980	<.1	353	0.3	352	0.1	344	0.1	320	0.2	353	0.2	322	0.2	369	0.3	346	0.2	346
	1981	<.1	393	0.2	320	<.1	453	0.6	335	0.3	349	0.1	319	0.2	390	0.6	325	0.3	342
	1982	<.1	332	0.0		<.1	333	0.1	354	0.1	326	0.2	344	0.2	361	0.4	326	0.1	338
	1983	0.1	319	0.4	313	0.2	373	0.2	364	0.2	357	0.4	354	0.2	386	0.4	332	0.2	346
	1984	0.2	357	0.3	356	0.1	386	0.3	397	0.1	401	0.2	377	0.2	377	0.2	351	0.2	373
	1985	0.1	350	0.2	365	0.1	338	0.2	387	0.1	379	0.3	420	0.1	426	0.1	342	0.1	383

Table 2. (Cont'd.).

		Bay system																	
		Galveston		East Matagorda		Matagorda		San Antonio		Aransas		Corpus Christi		Upper Laguna Madre		Lower Laguna Madre		Coastwide	
Species	Year	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
Southern flounder	1976	0.0		ND		0.0		0.1	335	0.0		0.0		0.0		0.2	350	<.1	345
	1977	<.1	351	0.1	326	<.1	328	<.1	208	0.1	358	<.1	430	0.0		<.1	345	0.1	340
	1978	<.1	249	0.1	312	<.1	330	0.1	294	<.1	338	0.1	334	0.1	345	0.1	344	0.1	321
	1979	<.1	451	0.1	337	<.1	292	0.1	405	<.1	282	0.1	380	0.1	320	0.2	371	0.1	365
	1980	0.1	344	0.1	318	0.1	307	<.1	320	0.1	295	0.1	316	<.1	364	0.1	376	0.1	330
	1981	<.1	244	<.1	340	<.1	270	<.1	291	<.1	363	0.1	332	0.1	348	0.1	338	0.1	321
	1982	<.1	344	<.1	319	<.1	304	<.1	309	<.1	299	<.1	362	0.1	337	0.1	350	0.1	339
	1983	0.2	363	0.1	318	0.2	340	0.2	355	0.2	340	0.2	388	0.2	349	0.2	368	0.2	355
	1984	0.2	351	0.1	388	0.2	321	0.2	314	0.2	323	0.2	381	0.1	361	0.1	352	0.2	345
	1985	0.2	349	0.2	347	0.2	333	0.2	330	0.2	345	0.2	340	0.2	343	0.2	352	0.2	342
Atlantic croaker	1976	0.2	298	ND		0.1		0.2		0.0		1.0	277	0.0		0.8	333	0.3	306
	1977	0.3	268	0.1	255	0.0		<.1	238	<.1	285	1.0	264	0.4	297	0.2	269	0.3	272
	1978	0.1	252	<.1	270	<.1	293	<.1	250	<.1	248	0.1	281	0.2	281	0.1	275	0.1	270
	1979	0.2	256	<.1	258	<.1	264	0.0		0.0		0.1	263	0.1	299	0.2	304	0.1	276
	1980	0.1	268	0.1	248	0.0		<.1	235	<.1	240	0.1	275	0.3	315	0.1	288	0.1	287
	1981	0.1	260	0.1	250	<.1	276	0.0		0.1	290	0.1	266	0.3	304	0.1	273	0.1	282
	1982	0.2	266	0.1	263	<.1	270	<.1	267	<.1	264	0.1	283	0.2	314	0.4	342	0.2	303
	1983	0.3	272	0.1	277	<.1	273	<.1	268	<.1	286	0.3	279	0.2	296	0.3	324	0.1	289
	1984	0.2	263	0.0		0.1	216	<.1	282	0.1	269	0.1	256	0.1	273	0.1	280	0.1	263
	1985	0.3	281	<.1	318	0.1	260	0.1	184	0.1	115	0.1	251	0.3	267	0.2	271	0.2	252

Table 2. (Cont'd.).

		Bay system																	
		Galveston		East Matagorda		Matagorda		San Antonio		Aransas		Corpus Christi		Upper Laguna Madre		Lower Laguna Madre		Coastwide	
Species	Year	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	<.1	195	ND		0.0		0.0		0.0		0.3	266	0.0		0.0		<.1	256
	1977	0.0		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		0.0	
	1979	0.1	221	0.0		0.0		<.1	209	0.0		<.1	284	<.1	333	<.1	245	<.1	252
	1980	0.0		0.0		0.0		0.0		0.0		<.1	312	0.0		0.0		<.1	312
	1981	0.0		0.0		<.1	270	<.1	378	0.0		0.0		0.0		0.0		<.1	324
	1982	0.0		0.0		<.1	171	0.0		<.1	230	0.2	290	<.1	390	0.1	295	<.1	282
	1983	0.1	302	0.0		<.1	272	0.0		0.0		0.2	301	0.0		0.0		<.1	297
	1984	<.1	200	0.0		<.1	180	<.1	236	0.0		<.1	247	0.0		0.0		<.1	216
	1985	0.1	356	0.0		0.1	172	0.0		0.0		0.0		<.1	296	0.1	269	0.1	270
Gafftop-sail catfish	1976	6.4	504	ND		0.2	494	2.3	457	0.0		0.0		0.0		0.0		1.7	492
	1977	0.2	486	0.5	506	0.8	555	3.3	538	3.0	505	0.0		0.0		0.0		1.0	524
	1978	0.3	543	0.1	546	1.1	547	1.8	493	0.1	545	0.1	436	0.0		0.0		0.5	516
	1979	0.3	528	0.4	528	0.3	545	0.5	535	0.6	539	0.3	550	0.0		0.0		0.3	537
	1980	0.3	480	0.2	556	0.5	556	1.1	546	0.4	551	0.1	592	0.0		0.0		0.3	544
	1981	0.3	478	0.3	473	0.8	537	0.6	538	1.4	541	0.2	515	<.1	577	0.0		0.5	528
	1982	0.4	499	0.2	491	0.4	544	1.4	544	0.9	543	0.2	524	<.1	531	0.1	371	0.5	530
	1983	0.3	510	0.1	475	0.2	529	1.9	534	0.9	543	0.2	529	<.1	561	0.0		0.5	532
	1984	0.3	494	<.1	579	1.0	530	1.1	533	0.5	546	0.2	516	<.1	472	<.1	211	0.4	524
	1985	0.3	511	0.1	472	0.2	476	0.8	540	0.2	502	0.1	476	<.1	413	0.1	351	0.2	503

Table 2. (Cont'd.).

		Bay system																	
		Galveston		East Matagorda		Matagorda		San Antonio		Aransas		Corpus Christi		Upper Laguna Madre		Lower Laguna Madre		Coastwide	
Species	Year	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
Gulf menhaden	1976	0.2	261	ND		<.1	250	0.1	275	0.0		0.0		0.0		0.0		0.1	263
	1977	2.4	251	0.6	297	0.1	245	0.1	220	0.3	247	2.6	255	<.1	282	<.1	229	0.9	256
	1978	0.3	239	<.1	194	0.1	243	1.1	257	0.0		0.2	270	1.3	265	<.1	246	0.4	258
	1979	1.3	251	0.0		0.1	251	<.1	132	0.1	238	0.1	253	0.2	249	0.0		0.3	247
	1980	0.1	193	0.0		0.1	249	0.1	281	<.1	271	<.1	257	0.7	268	0.1	263	0.1	260
	1981	0.5	253	0.0		0.2	255	0.2	259	0.2	253	0.2	246	0.1	246	0.1	243	0.2	252
	1982	0.4	251	0.0		0.2	251	0.3	251	0.2	244	0.1	248	0.5	268	0.2	276	0.3	257
	1983	0.8	251	0.0		0.2	252	0.2	240	0.2	243	0.1	255	0.2	303	0.2	261	0.3	256
	1984	0.6	255	0.0		0.2	249	0.2	276	0.3	247	0.2	256	0.2	265	0.1	260	0.3	257
	1985	0.8	254	<.1	281	0.3	231	0.3	241	0.4	248	0.6	250	0.1	255	0.5	260	0.4	250
Hardhead catfish	1976	3.1	318	ND		0.2	235	1.5	312	2.3	334	0.7	289	0.0		0.3	333	1.3	317
	1977	2.2	332	0.2	313	1.9	316	0.8	318	0.4	304	1.1	321	0.8	295	0.4	317	1.2	319
	1978	2.0	336	0.3	324	0.2	291	0.9	317	0.3	346	0.6	311	0.9	285	0.6	310	0.9	318
	1979	3.4	330	0.2	291	0.6	315	0.5	340	0.6	324	0.4	317	0.4	297	0.3	291	1.1	323
	1980	2.7	333	1.0	302	0.3	320	0.9	327	0.4	348	0.4	324	0.3	291	0.5	325	0.9	325
	1981	1.6	329	1.2	340	1.6	328	1.1	326	0.9	345	0.6	343	0.9	293	0.6	315	1.1	328
	1982	3.6	332	1.4	340	0.9	328	2.0	332	1.1	335	1.0	331	0.9	312	1.8	334	1.8	332
	1983	3.8	330	1.1	338	0.5	316	1.5	340	0.9	345	1.4	335	0.9	313	1.9	337	1.7	333
	1984	2.2	343	0.5	332	1.0	324	2.1	335	1.2	343	1.4	339	1.3	316	1.5	335	1.5	335
	1985	3.4	333	1.2	340	0.5	327	1.5	344	0.8	343	2.1	341	1.3	306	0.7	338	1.6	334

Table 2. (Cont'd.).

		Bay system																	
		Galveston		East Matagorda		Matagorda		San Antonio		Aransas		Corpus Christi		Upper Laguna Madre		Lower Laguna Madre		Coastwide	
Species	Year	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
Pinfish	1976	0.0		ND		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		0.0	
	1978	0.0		0.0		0.0		0.1	209	0.0		0.0		<.1	204	<.1	165	<.1	197
	1979	0.0		0.0		0.0		<.1		<.1	226	<.1	305	0.0		0.0		<.1	265
	1980	0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0	
	1981	0.0		<.1	230	0.0		<.1	246	0.0		0.0		<.1	190	<.1	200	<.1	216
	1982	0.0		<.1	205	<.1	217	0.1	225	0.1	232	0.2	244	0.1	235	<.1	219	<.1	200
	1983	<.1	210	0.0		0.0		0.0		<.1	160	0.1	251	0.1	297	0.1	195	<.1	232
	1984	0.0		0.0		0.0		<.1		<.1	125	<.1	162	<.1	310	0.0		<.1	199
	1985	0.0		0.0		0.0		0.0		<.1	237	<.1	178	0.1	162	0.1	163	<.1	177
Spot	1976	0.4	218	ND		0.0		0.0		0.0		0.2	233	0.0		0.1	230	0.1	224
	1977	0.1	227	<.1	233	0.0		0.1	230	0.1	226	0.6	219	0.2	228	0.1	215	0.1	223
	1978	<.1	225	<.1	256	<.1	232	0.1	242	<.1		0.2	214	0.1	227	0.1	234	0.1	229
	1979	0.0		<.1	259	<.1	250	0.0		<.1	245	<.1	233	0.1	238	0.1	254	<.1	246
	1980	0.0		<.1	233	0.0		<.1	239	0.0		0.1	247	0.1	231	<.1	234	<.1	237
	1981	<.1	250	<.1	230	<.1	240	0.0		<.1	268	0.1	222	0.1	223	<.1	241	<.1	235
	1982	<.1	244	0.0		<.1	260	<.1	244	<.1	249	0.1	233	0.5	238	0.1	250	0.1	241
	1983	0.1	240	<.1	233	0.1	238	0.1	248	0.1	206	0.2	240	0.1	242	0.2	238	0.1	236
	1984	<.1	247	0.1	288	0.1	291	0.1	251	<.1	253	0.1	248	0.1	239	<.1	238	0.1	259
	1985	<.1	233	<.1		<.1	265	<.1	238	0.1	238	<.1	220	0.2	223	0.1	235	0.1	233

Table 2. (Cont'd.).

		Bay system																	
		Galveston		East Matagorda		Matagorda		San Antonio		Aransas		Corpus Christi		Upper Laguna Madre		Lower Laguna Madre		Coastwide	
Species	Year	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
Striped mullet	1976	0.1	385	ND		0.1	322	0.1	338	0.7	366	0.0		0.0		0.0		0.1	361
	1977	0.1	331	0.0		0.2	314	0.9	317	0.8	319	0.1	340	0.2	372	0.2	345	0.3	326
	1978	0.0		0.1	327	0.3	341	0.2	334	0.2	338	0.2	374	0.1	323	0.2	363	0.2	345
	1979	0.1	319	0.1	353	0.1	341	0.8	347	0.2	367	0.1	372	0.1	389	0.2	364	0.2	354
	1980	0.1	343	<.1	338	0.4	334	0.2	344	0.1	337	0.1	321	0.1	387	0.2	365	0.2	345
	1981	<.1	318	0.1	345	<.1	336	0.1	351	0.1	331	0.1	315	0.3	354	0.2	359	0.1	345
	1982	0.2	350	0.2	295	0.2	331	0.2	336	0.2	338	0.3	350	0.2	385	0.3	374	0.2	347
	1983	0.3	390	0.1	360	0.1	364	0.2	350	0.2	355	0.2	368	0.1	371	0.3	378	0.2	370
	1984	0.1	365	0.2	340	0.3	370	0.2	348	0.3	342	0.1	347	0.6	350	0.5	348	0.3	351
	1985	0.3	369	0.2	337	0.1	364	0.1	351	0.2	352	0.1	358	0.4	383	0.2	337	0.2	360
Other finfishes	1976	0.3	645	ND		0.8	357	0.5	619	0.9	481	2.3	351	0.0		0.0		0.6	423
	1977	2.6	329	0.3	485	1.8	509	0.8	532	0.5	684	0.7	375	0.5	362	0.4	400	1.2	433
	1978	1.6	343	0.3	270	1.5	465	1.7	504	0.4	568	0.8	295	0.5	405	0.9	413	1.1	418
	1979	1.1	417	0.2	449	1.3	425	1.2	546	0.5	547	0.3	351	0.3	344	0.3	441	0.8	456
	1980	0.4	518	0.2	271	1.5	513	0.7	555	0.5	563	0.3	337	0.2	382	0.3	509	0.6	495
	1981	0.8	364	0.8	277	1.7	465	2.0	483	1.0	489	0.5	328	0.5	327	0.6	419	1.0	422
	1982	1.1	412	0.7	362	2.0	512	0.7	557	1.1	516	0.7	439	0.3	411	0.8	411	1.1	466
	1983	1.0	421	0.6	349	1.2	518	1.0	532	0.9	523	1.1	448	0.2	389	0.6	408	0.9	465
	1984	0.6	422	0.2	324	1.1	574	1.0	575	0.8	544	1.2	387	0.3	415	0.4	507	0.7	491
	1985	0.9	446	0.4	585	0.7	574	0.6	815	0.9	653	0.4	487	0.4	378	0.3	458	0.6	565

Table 2. (Cont'd.).

Species	Year	Bay system																	
		Galveston		East Matagorda		Matagorda		San Antonio		Aransas		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
Total	1976	11.1	430	ND		2.5	394	7.6	392	9.6	415	6.2	332	0.0		7.1	419	6.6	403
finfishes	1977	8.7	315	4.3	394	5.9	442	8.2	429	8.1	427	7.6	296	3.7	365	4.3	396	6.7	380
	1978	5.0	357	2.3	361	4.9	438	7.7	408	1.9	407	3.6	342	4.6	365	5.0	406	4.6	389
	1979	7.2	347	2.5	399	3.6	408	3.3	462	3.3	428	2.7	395	2.3	361	3.2	413	4.0	396
	1980	5.0	381	4.1	345	5.4	429	5.2	423	3.1	408	2.7	387	3.8	366	3.6	421	4.2	397
	1981	4.6	368	5.5	363	5.2	408	6.3	420	6.0	430	2.8	364	4.2	353	6.6	406	4.5	394
	1982	8.0	377	4.7	368	5.3	435	6.7	410	5.7	419	4.5	399	4.5	367	8.9	394	6.4	396
	1983	8.7	367	7.7	384	4.5	417	7.4	423	5.4	403	5.5	398	2.3	375	7.4	313	6.6	382
	1984	6.2	389	3.7	396	4.2	451	5.6	430	4.0	434	4.7	396	3.3	369	4.6	412	4.7	410
	1985	7.6	383	3.7	408	2.1	435	4.1	572	3.5	452	4.9	368	3.6	350	3.5	380	4.4	414

Table 3. Annual mean catch rate (No./ha) and mean total lengths (mm) of fishes caught with bag seines by bay system during 1977 -1985. Blank indicates no measurement taken; ND = no data.

		Bay system																	
		Galveston		East Matagorda		Matagorda		San Antonio		Aransas		Corpus Christi		Upper Laguna Madre		Lower Laguna Madre		Coastwide	
Species	Year	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	1977[a]	21	35	ND		7	51	87	52	14	44	1	41	0		1	39	19	48
	1978	3	67	ND		4	43	13	51	4	94	3	67	11	59	17	52	7	57
	1979	17	62	ND		6	92	11	67	5	92	18	85	27	66	15	64	14	71
	1980	59	74	ND		8	68	28	50	5	88	16	75	5	82	15	72	23	69
	1981	26	52	ND		9	86	29	53	31	39	40	46	5	46	45	56	26	51
	1982	53	62	ND		9	76	19	102	26	103	2	62	1	55	16	89	24	78
	1983	47	67	11[b]	67	4	70	7	99	12	98	7	88	3	59	43	92	21[b]	81
	1984	13	66	6	70	2	105	12	56	4	100	4	80	2	52	4	73	6	69
	1985	3	66	10	107	7	96	7	115	19	83	9	67	1	61	18	69	9	84
Spotted seatrout	1977[b]	35	87	ND		37	84	47	76	1	99	7	84	16	83	5	85	23	82
	1978	35	52	ND		6	86	11	69	8	51	5	59	14	93	2	52	14	64
	1979	38	79	ND		3	83	12	70	7	68	12	53	14	80	2	86	14	74
	1980	17	72	ND		3	84	22	71	11	74	11	79	3	56	<1	60	10	73
	1981	16	85	ND		7	110	9	68	13	70	12	65	4	73	6	84	10	78
	1982	37	82	ND		7	99	20	62	15	76	4	75	5	78	3	76	15	77
	1983	26	84	4[b]	101	7	73	8	72	14	81	4	79	5	101	5	80	11[b]	82
	1984	7	71	2	85	4	77	1	83	10	73	1	54	1	88	5	98	4	78
	1985	5	80	24	73	11	86	4	64	24	61	3	50	9	70	2	78	9	70
Black drum	1977[a]	0		ND		10	147	7	179	1	142	1	150	0		0		3	158
	1978	36	95	ND		9	110	22	110	2	165	1	122	4	106	0		13	105
	1979	40	83	ND		12	106	5	97	1	85	8	89	6	140	18	98	16	94
	1980	4	93	ND		4	102	0		2	100	2	75	3	95	1	142	2	96
	1981	12	122	ND		11	111	2	141	5	141	2	113	11	44	6	130	8	105
	1982	4	124	ND		5	138	9	90	7	94	1	109	4	155	2	117	4	108
	1983	23	91	3[b]	123	3	118	1	132	2	145	2	108	2	107	1	141	7[b]	103
	1984	8	108	1	103	3	156	0		1	140	0		1	82	<1	91	2	115
	1985	4	141	3	83	2	109	1	122	1	124	1	68	6	86	0		2	103

Table 3. (Cont'd.).

Species	Year	Bay system: Galveston No./ha	Galveston Length	East Matagorda No./ha	East Matagorda Length	Matagorda No./ha	Matagorda Length	San Antonio No./ha	San Antonio Length	Aransas No./ha	Aransas Length	Corpus Christi No./ha	Corpus Christi Length	Upper Laguna Madre No./ha	Upper Laguna Madre Length	Lower Laguna Madre No./ha	Lower Laguna Madre Length	Coastwide No./ha	Coastwide Length
Sheeps-	1977[a]	0		ND		1	128	0		0		0		0		0		<1	128
head	1978	0		ND		<1	86	1	68	1	53	1	59	1	122	2	61	1	70
	1979	15	66	ND		1	94	6	63	3	56	13	41	0		1	50	6	57
	1980	1	114	ND		1	163	1	41	1	51	0		0		1	60	1	79
	1981	1	158	ND		2	68	0		1	95	1	41	0		1	92	1	92
	1982	1	174	ND		0		3	67	<1	62	<1	50	0		0		1	80
	1983	1	23	<1[b]	93	<1	50	1	102	<1	67	<1	99	0		3	52	1[b]	56
	1984	0		<1	178	<1	90	1	30	<1	36	<1	30	0		0		<1	51
	1985	2	20	1	58	1	157	3	39	1	35	0		0		2	57	1	47
Southern	1977[a]	0	0	ND		1	171	0		0		0		0		0		<1	171
flounder	1978	9	40	ND		<1	43	4	37	<1	98	1	44	<1	128	1	46	3	43
	1979	1	84	ND		<1	135	2	85	0		1	122	2	46	1	38	1	71
	1980	10	54	ND		1	38	2	55	0		3	64	1	43	5	38	4	51
	1981	5	57	ND		7	79	2	53	2	90	1	67	1	66	11	55	4	64
	1982	9	67	ND		3	82	6	56	18	37	2	62	1	53	13	39	8	49
	1983	10	46	1[b]	75	2	54	3	58	6	39	1	34	0		3	45	4[b]	47
	1984	2	83	2	68	1	78	1	67	3	62	3	45	1	86	1	64	2	66
	1985	4	58	5	77	3	112	1	44	7	55	5	55	<1	71	2	67	3	66
Atlantic	1977[a]	21	96	ND		0		0		1	36	11	50	1	181	4	83	6	82
croaker	1978	320	61	ND		247	59	10	100	37	73	1	30	11	86	29	38	122	61
	1979	463	52	ND		109	74	52	48	7	76	25	65	3	92	221	44	162	53
	1980	1085	55	ND		82	69	17	89	16	56	24	49	1	40	198	42	291	54
	1981	528	57	ND		24	94	26	73	26	42	20	55	1	112	32	46	136	58
	1982	182	61	ND		165	74	69	67	142	61	32	54	0		49	53	471	62
	1983	888	55	56[b]	79	237	66	68	80	63	62	6	61	3	86	50	51	255[b]	59
	1984	815	59	209	64	483	60	25	83	153	68	1154	61	5	102	133	59	403	61
	1985	212	65	121	63	302	72	13	88	46	78	4	77	11	87	88	42	123	86

Table 3. (Cont'd.).

Species	Year	Bay system																	
		Galveston		East Matagorda		Matagorda		San Antonio		Aransas		Corpus Christi		Upper Laguna Madre		Lower Laguna Madre		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
Sand seatrout	1977[a]	0		ND		10	61	0		0		0		0		0		2	61
	1978	13	58	ND		3	59	0		0		<1	54	0		0		4	58
	1979	35	58	ND		14	70	2	75	<1	33	1	77	0		0		10	62
	1980	8	61	ND		7	82	<1	64	<1	89	0		0		0		3	71
	1981	21	60	ND		2	72	0		0		1	76	0		<1	78	5	62
	1982	47	56	ND		12	67	<1	35	1	76	<1	73	0		<1	65	13	58
	1983	47	53	10[b]	66	31	65	<1	47	1	70	2	53	0		0		15[b]	58
	1984	49	55	7	59	22	54	0		0		0		0		8	41	15	54
	1985	11	60	8	59	13	71	0		<1	67	1	82	0		<1	60	5	64
Gulf menhaden	1977[a]	22	76	ND		0		0		0		1	58	0		0		5	75
	1978	533	31	ND		4087	47	169	64	3310	44	2	41	44	42	71	29	1268	45
	1979	122	53	ND		867	43	0		817	38	335	38	6	37	1	31	312	41
	1980	14717	46	ND		115	50	24	52	48	30	7	49	4	40	54	31	3342	46
	1981	196	45	ND		348	51	52	41	355	48	9	41	721	42	11	38	246	45
	1982	4732	49	0		820	48	1034	37	137	33	1068	36	9	31	130	32	1456	45
	1983	4971	66	1324[b]	44	816	44	67	42	16	34	630	33	2	30	4	44	1314[b]	57
	1984	1839	44	467	48	1260	45	1103	42	858	39	549	52	129	49	69	56	428	44
	1985	486	42	243	43	3797	50	875	45	48	39	122	37	62	44	21	49	816	48
Hard-head catfish	1977[a]	1	192	ND		1	108	17	91	0		0		6	105	1	114	4	102
	1978	12	114	ND		21	107	11	104	2	88	1	72	6	88	3	84	9	103
	1979	43	126	ND		16	116	5	148	1	119	8	154	5	116	10	120	16	127
	1980	42	118	ND		13	122	1	107	1	134	2	88	<1	83	1	87	12	118
	1981	14	119	ND		34	126	10	99	1	100	4	105	5	76	4	95	12	114
	1982	32	103	127		47	121	17	96	8	85	3	108	1	84	3	106	19	108
	1983	70	113	26[b]	111	48	119	7	116	4	96	1	103	2	90	1	125	25[b]	114
	1984	32	91	21	124	38	88	16	94	25	97	7	82	5	72	14	96	22	95
	1985	36	86	10	118	29	115	2	112	19	101	2	85	9	74	3	134	17	100

Table 3. (Cont'd.).

Species	Year	Bay system: Galveston No./ha	Galveston Length	East Matagorda No./ha	East Matagorda Length	Matagorda No./ha	Matagorda Length	San Antonio No./ha	San Antonio Length	Aransas No./ha	Aransas Length	Corpus Christi No./ha	Corpus Christi Length	Upper Laguna Madre No./ha	Upper Laguna Madre Length	Lower Laguna Madre No./ha	Lower Laguna Madre Length	Coastwide No./ha	Coastwide Length
Pinfish	1977[a]	0		ND		30	114	27	105	22	105	66	93	167	102	13	101	39	102
	1978	116	55	ND		24	61	77	75	54	74	135	69	41	84	7	64	66	68
	1979	73	75	ND		43	79	60	79	47	85	81	61	14	122	1	107	47	76
	1980	151	38	ND		16	50	335	58	167	66	250	61	17	88	153	59	148	58
	1981	270	55	ND		68	69	131	70	107	85	267	67	40	84	132	75	151	68
	1982	144	67	ND		34	66	603	55	448	67	265	62	100	73	349	57	262	61
	1983	138	65	61[b]	79	116	80	514	49	648	68	542	66	25	82	215	67	282[b]	64
	1984	247	59	179	64	107	71	175	66	463	62	213	54	147	79	120	77	213	64
	1985	362	55	401	65	212	71	399	55	274	66	234	67	133	68	264	66	282	63
Spot	1977[a]	59	100	ND		22	119	0		2	170	12	100	0		1	125	18	106
	1978	407	52	ND		187	49	361	48	80	55	314	47	227	59	149	52	254	51
	1979	352	42	ND		21	64	201	44	58	60	210	55	107	70	57	59	156	51
	1980	269	57	ND		76	56	256	51	101	61	95	58	86	59	165	48	160	55
	1981	331	52	ND		154	57	135	64	97	54	121	61	115	63	220	67	185	59
	1982	404	62	ND		143	58	471	52	623	54	225	60	180	58	340	66	350	58
	1983	459	57	50[b]	64	96	58	171	47	353	56	137	55	58	60	519	63	273[b]	58
	1984	238	53	95	61	146	54	251	46	651	56	563	58	494	66	948	67	432	60
	1985	179	62	158	59	219	59	276	44	254	65	228	55	80	77	172	54	198	67
Striped mullet	1977[a]	32	140	ND		121	106	103	118	27	132	179	156	15	158	62	108	70	130
	1978	56	120	ND		26	124	126	66	68	103	123	75	53	94	105	81	75	86
	1979	135	89	ND		93	99	273	66	152	103	202	135	16	102	383	53	174	83
	1980	90	117	ND		16	107	41	121	61	102	49	88	57	70	95	85	61	97
	1981	229	57	ND		42	92	249	84	205	81	80	85	31	63	161	98	152	79
	1982	128	67	ND		553	118	182	77	177	85	29	110	24	86	42	94	174	99
	1983	85	94	62[b]	105	26	136	57	64	111	106	37	60	15	99	46	84	58[b]	93
	1984	52	95	32	110	34	53	70	73	100	56	141	52	154	68	265	96	106	76
	1985	75	110	199	89	49	92	23	134	95	58	22	62	70	53	121	81	73	82

Table 3. (Cont'd.).

Species	Year	Bay system: Galveston No./ha	Galveston Length	East Matagorda No./ha	East Matagorda Length	Matagorda No./ha	Matagorda Length	San Antonio No./ha	San Antonio Length	Aransas No./ha	Aransas Length	Corpus Christi No./ha	Corpus Christi Length	Upper Laguna Madre No./ha	Upper Laguna Madre Length	Lower Laguna Madre No./ha	Lower Laguna Madre Length	Coastwide No./ha	Coastwide Length
Other finfishes	1977[a]	800	51	ND		220	72	3025	45	1315	62	2510	54	1575	60	743	53	1304	53
	1978	2562	52	ND		391	82	866	67	1471	58	950	64	869	56	522	50	1221	58
	1979	1814	60	ND		450	69	2745	55	1999	63	1277	64	1157	67	1657	79	1591	64
	1980	2090	68	ND		289	79	1139	69	994	65	1031	63	1939	62	382	62	1182	66
	1981	1682	67	ND		384	82	1136	56	1179	64	1657	63	856	62	637	63	1094	64
	1982	1547	68	ND		278	88	1950	54	3420	53	946	65	1035	52	393	57	1391	58
	1983	2069	74	471[b]	75	485	80	1282	55	2852	58	829	59	621	59	450	60	1295[b]	63
	1984	1341	61	597	65	524	77	1070	61	1261	61	702	59	841	52	340	65	900	62
	1985	585	70	737	69	499	82	613	60	1727	56	759	50	1146	50	787	58	848	59
Total finfishes	1977[a]	991	59	ND		461	88	3312	51	1383	64	2788	61	1780	67	830	59	1492	60
	1978	4103	53	ND		5005	67	1671	65	5038	64	1538	66	1282	62	908	54	3056	62
	1979	3149	60	ND		1635	71	3375	57	3096	60	2191	70	1355	69	2368	72	2518	64
	1980	18543	86	ND		632	77	1868	66	1407	68	1490	67	2116	63	1069	59	5240	80
	1981	3334	63	ND		1093	83	1781	61	2019	66	2213	64	1792	54	1267	70	2028	64
	1982	8950	68	ND		2077	78	4385	56	5022	57	2596	66	1356	58	1342	61	4188	64
	1983	8835	71	2078[b]	63	1872	80	2187	55	4083	63	2198	59	736	61	1339	68	3560[b]	66
	1984	4643	59	1619	66	2625	62	2726	59	3529	62	3338	52	1782	60	1907	71	3037	60
	1985	1964	63	1921	68	5143	83	2218	65	2514	60	1389	57	1528	55	1480	60	2386	68

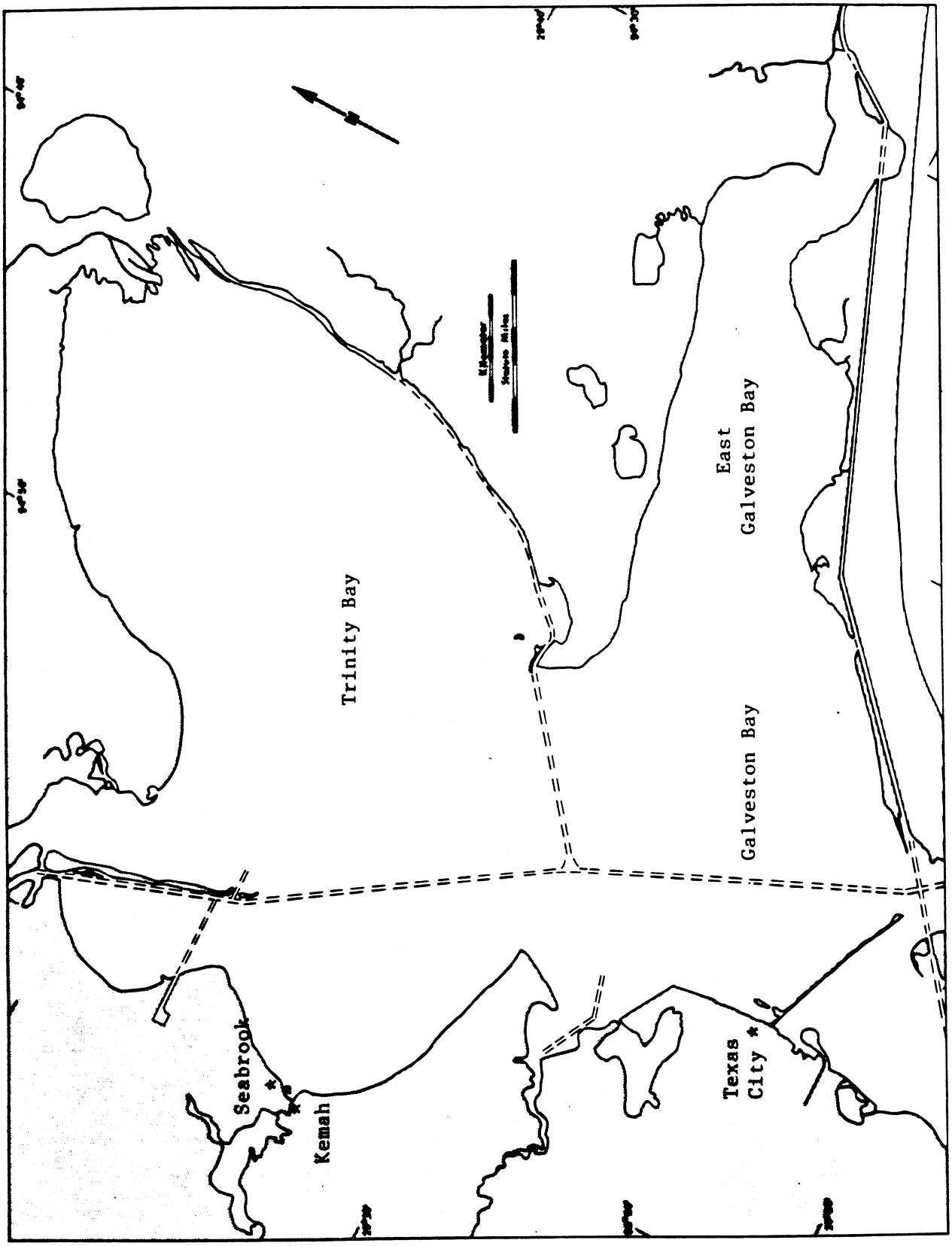
[a]Data for October - December only.

[b]East Matagorda Bay data are only for February-September 1983. Coastwide values do not include East Matagorda Bay data.

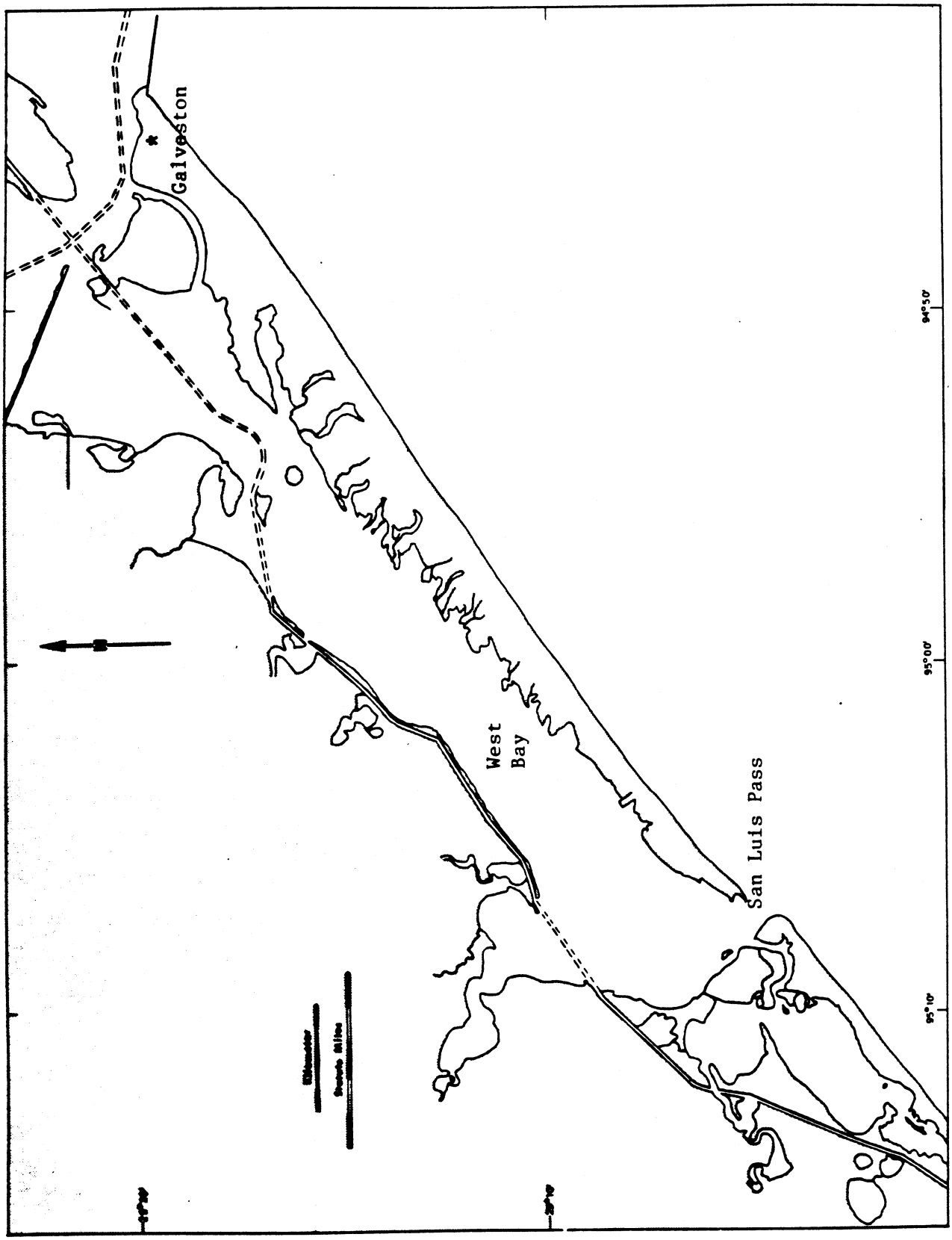
Figure 1. Galveston Bay System.

(A) Trinity, upper Galveston and East Bays

(B) West Bay


Trinity Bay
East
Galveston Bay
Galveston Bay
Seabrook
Kemah
Texas
City

(A)



(B)

Figure 2. East Matagorda Bay System.

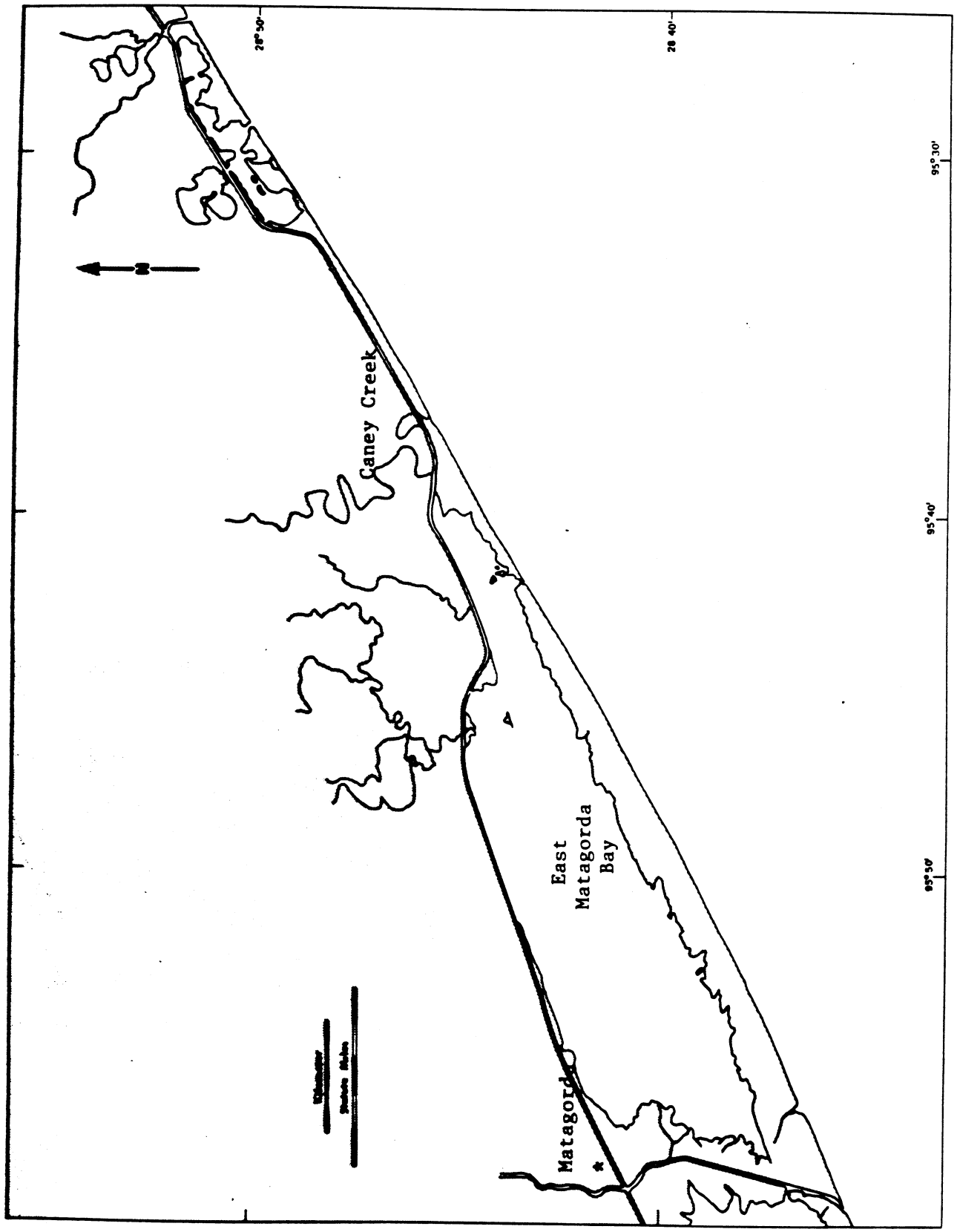
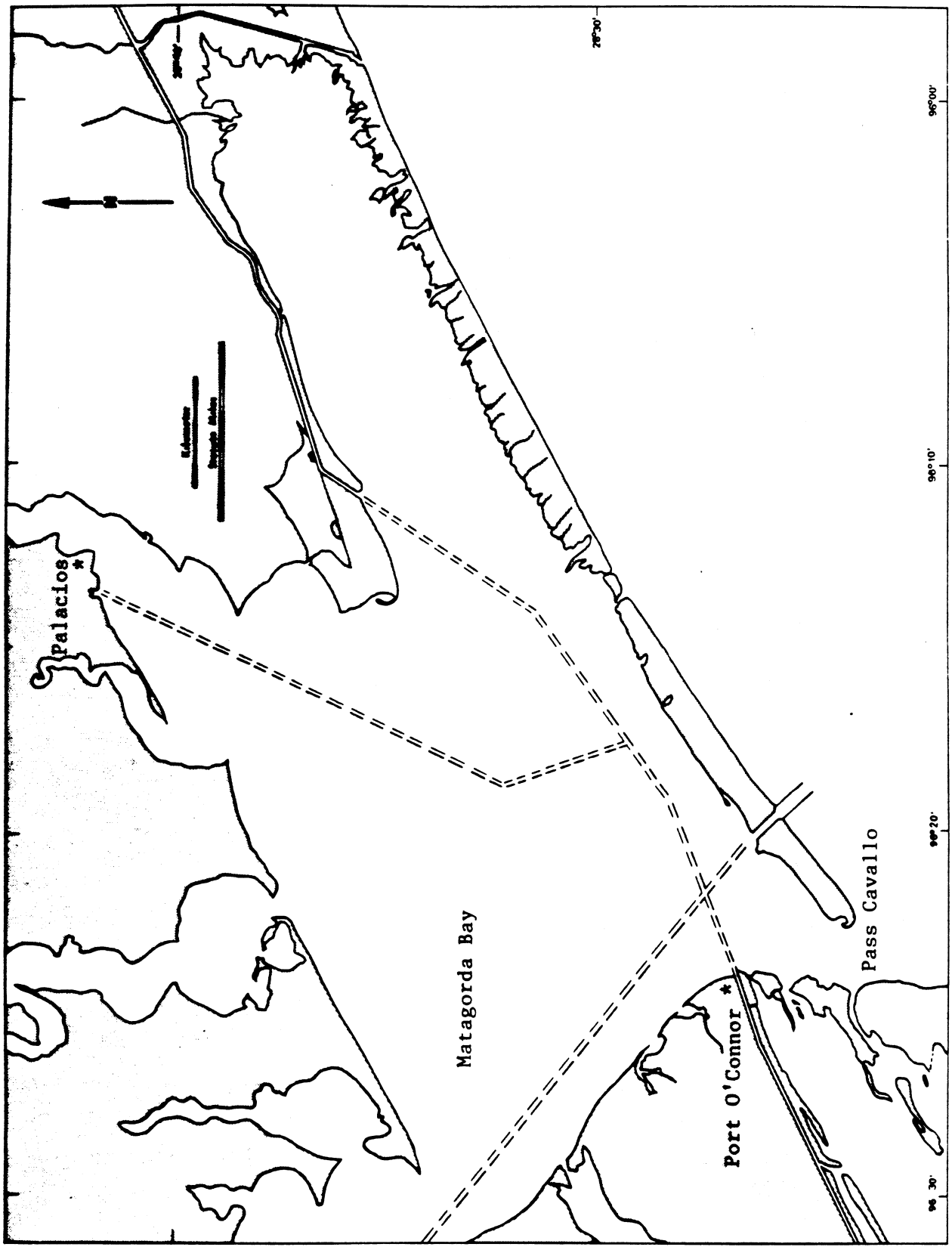

28°50'
28 40'
95°30'
95°40'
95°30'
Caney Creek
East
Matagorda
Bay
Matagorda

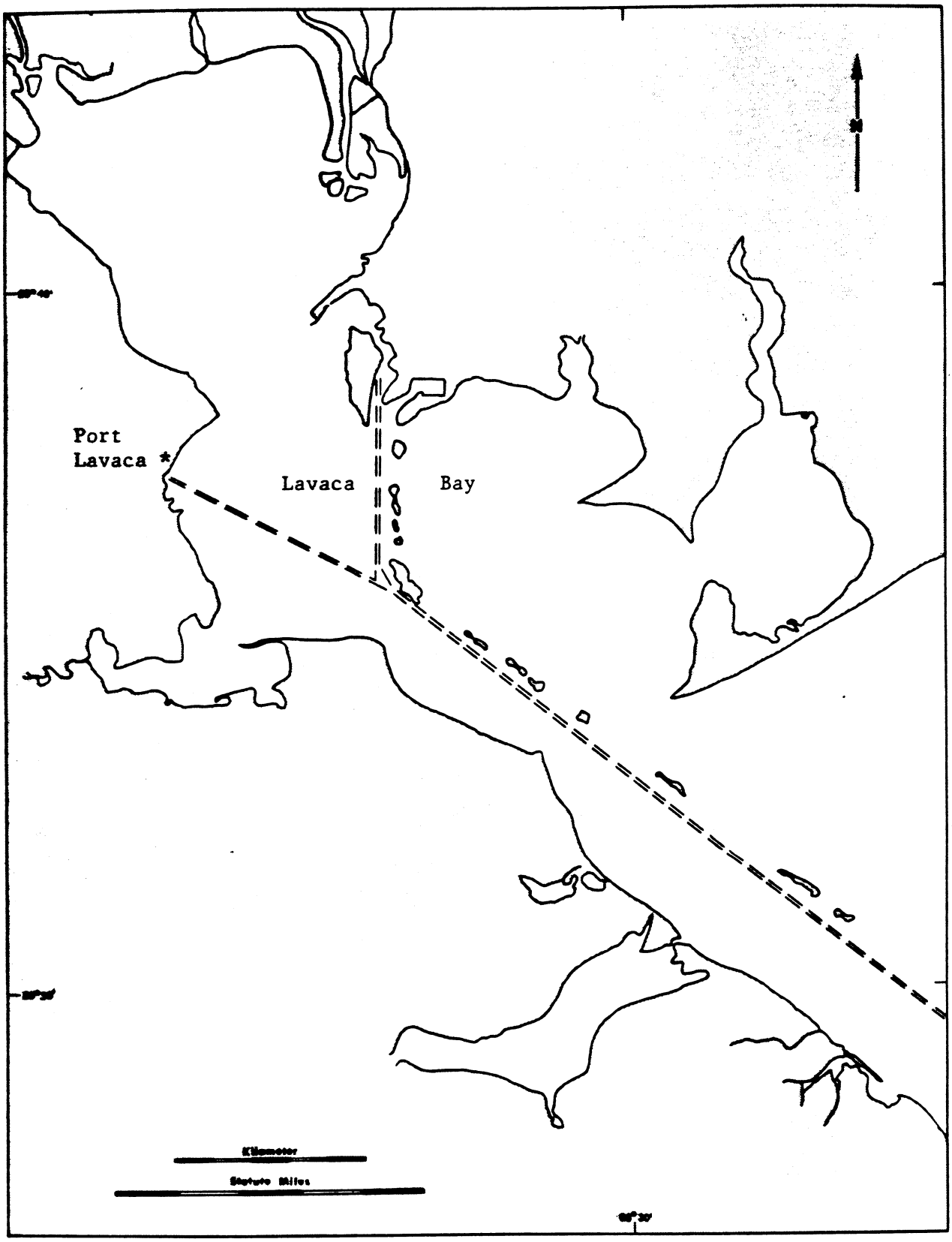
Figure 3. Matagorda Bay System.

(A) Matagorda Bay

(B) Lavaca Bay


Palacios
Matagorda Bay
Port O'Connor
Pass Cavallo
28°30'
96°00'
96°10'
96°20'
96°30'

(A)



(B)

Figure 4. San Antonio Bay System.

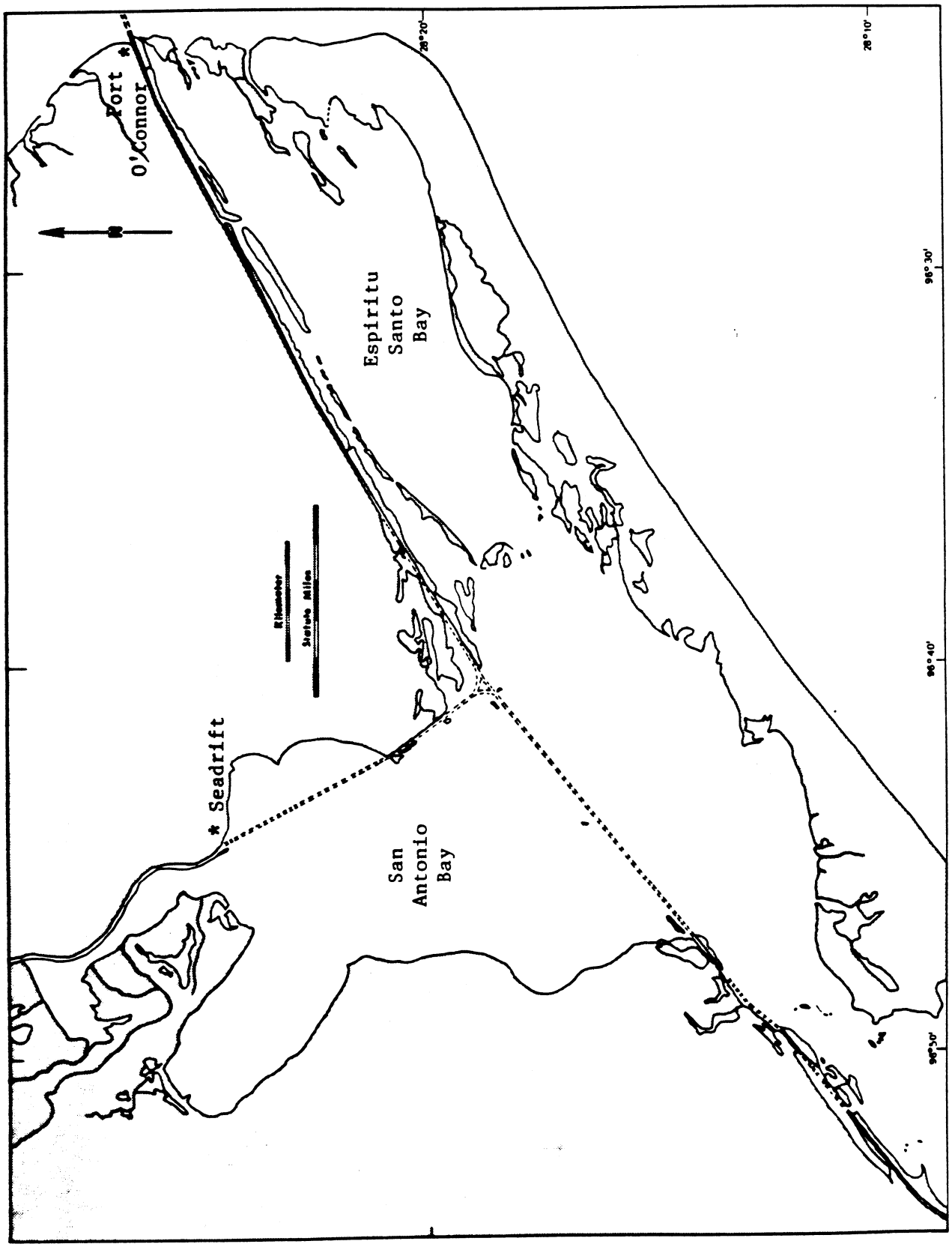

Port O'Connor
Espíritu Santo Bay
San Antonio Bay
* Seadrift
28°20'
28°10'
96°30'
96°40'
96°50'

Figure 5. Aransas Bay System.

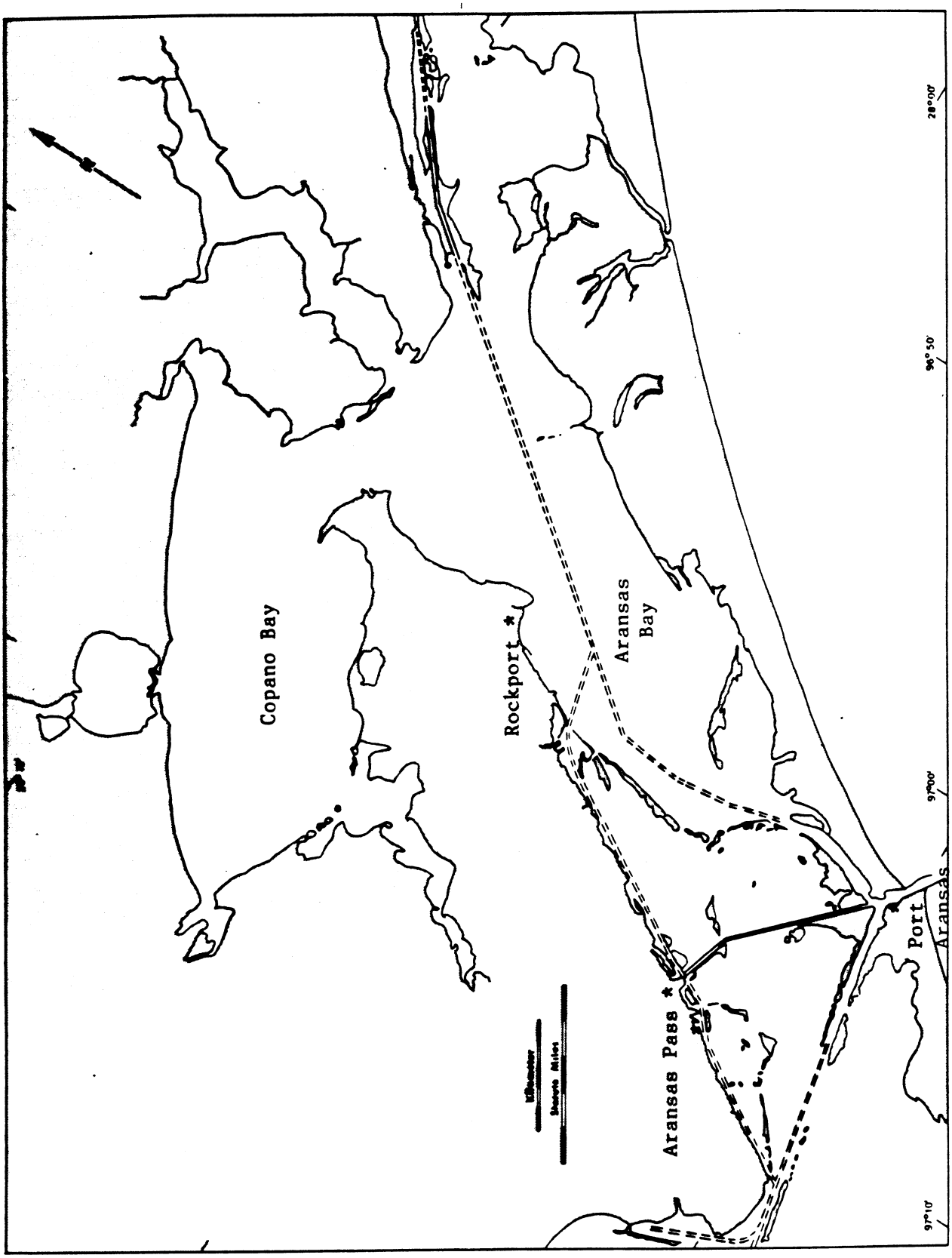

Copano Bay
Rockport
Aransas Bay
Aransas Pass
Port Aransas
28°00'
96°50'
97°00'
97°10'

Figure 6. Corpus Christi Bay System.

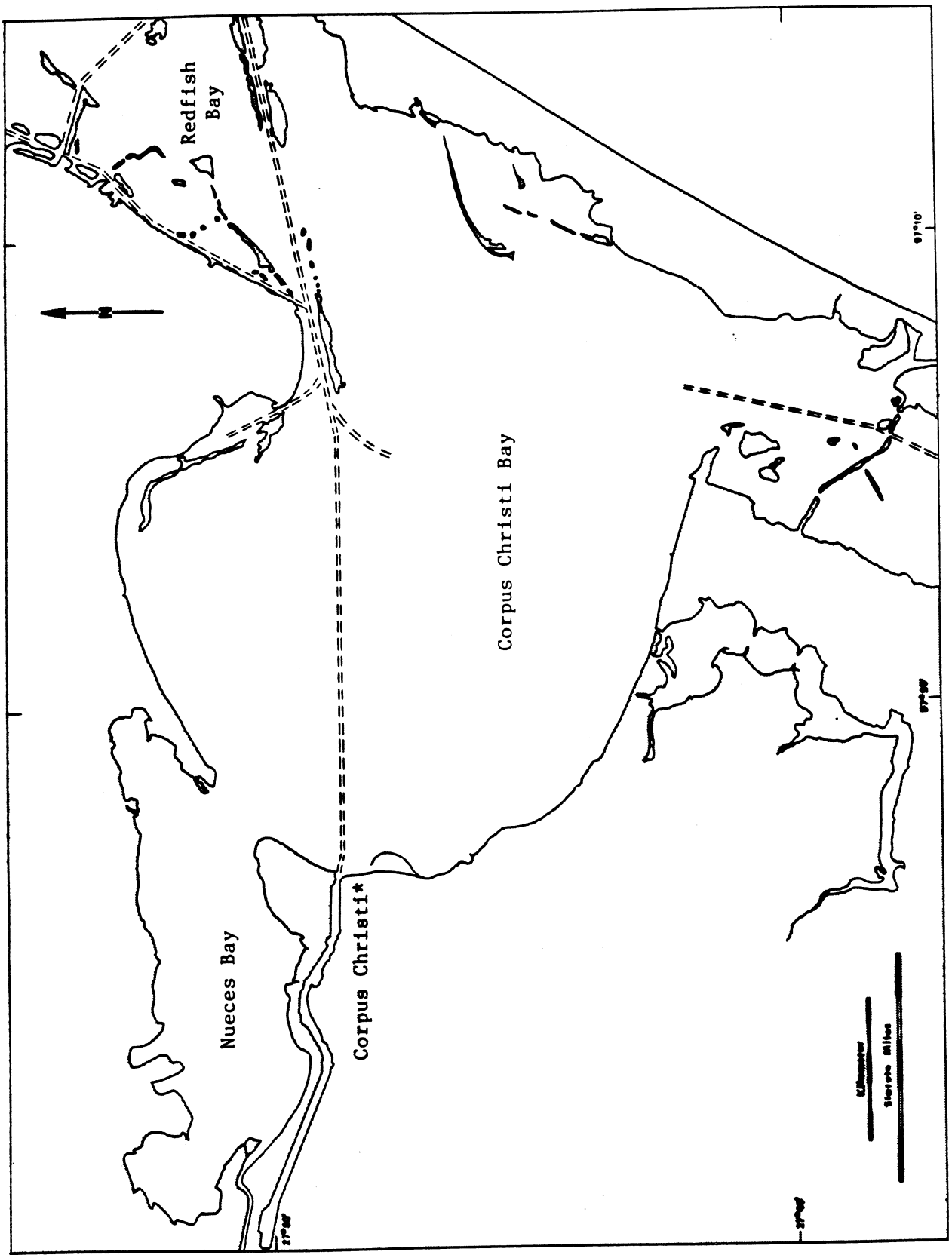

Redfish Bay
Corpus Christi Bay
Nueces Bay
Corpus Christi*
97°10'
97°00'
27°50'
27°40'

Figure 7. Upper Laguna Madre System.

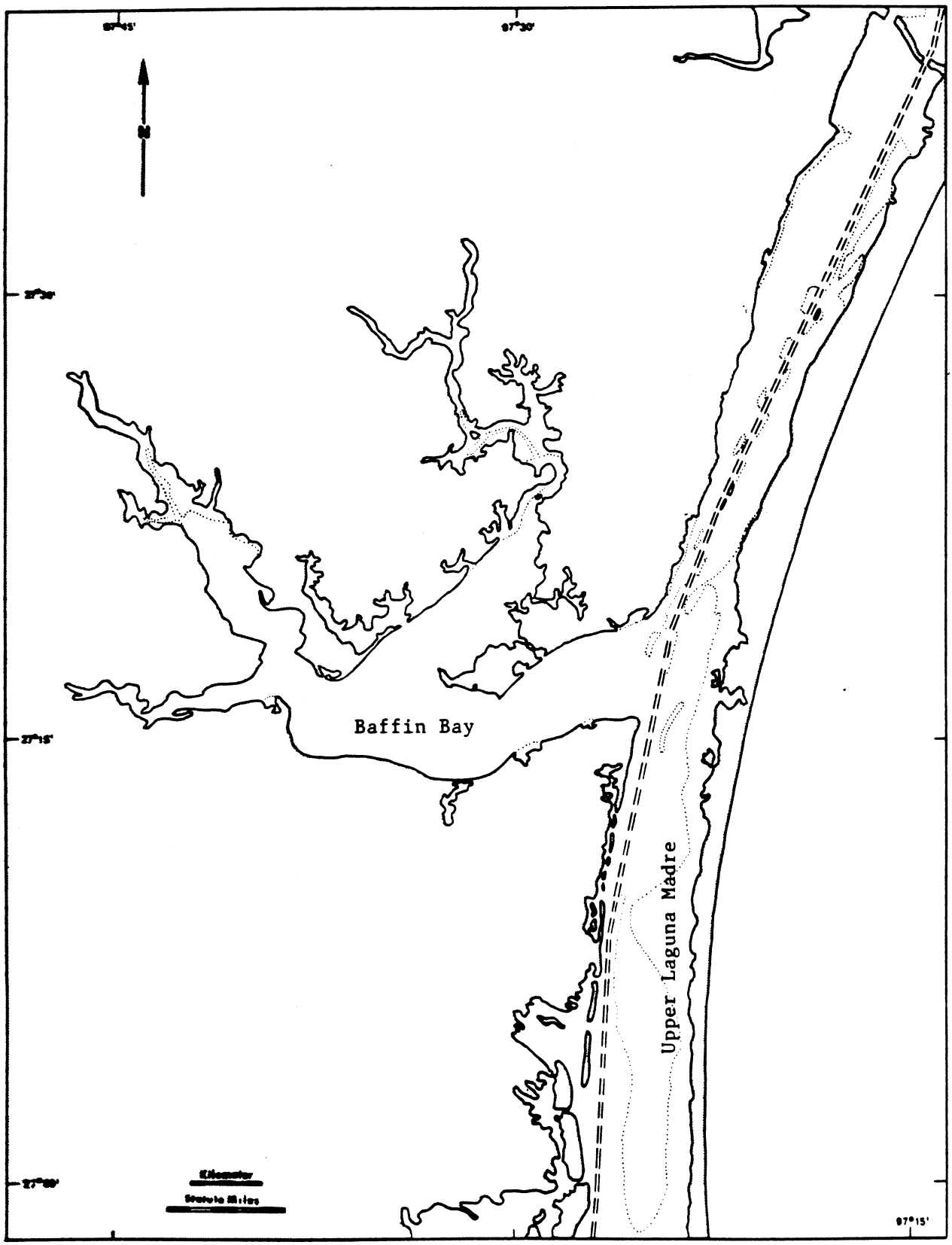
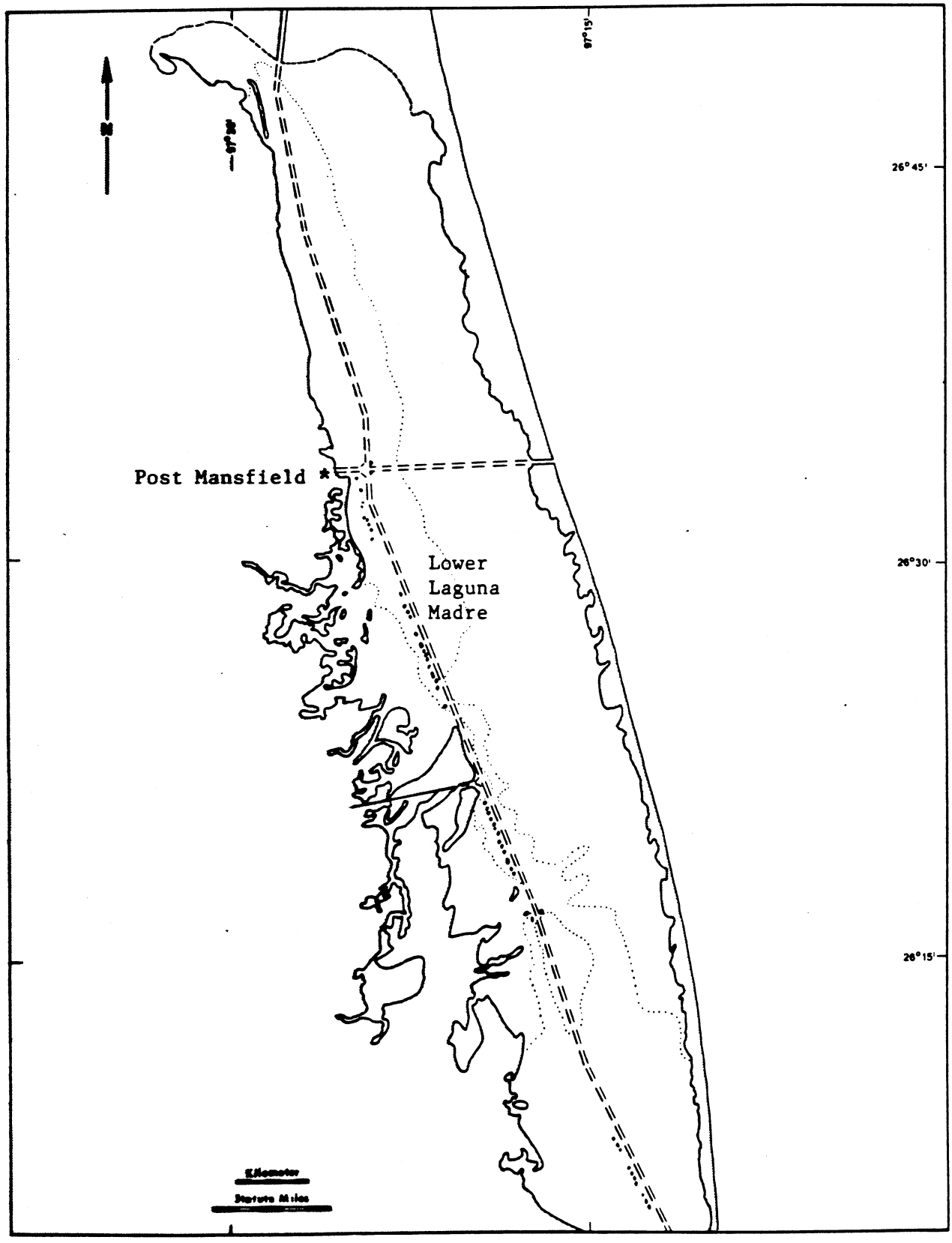

Baffin Bay
Upper Laguna Madre
97°15'

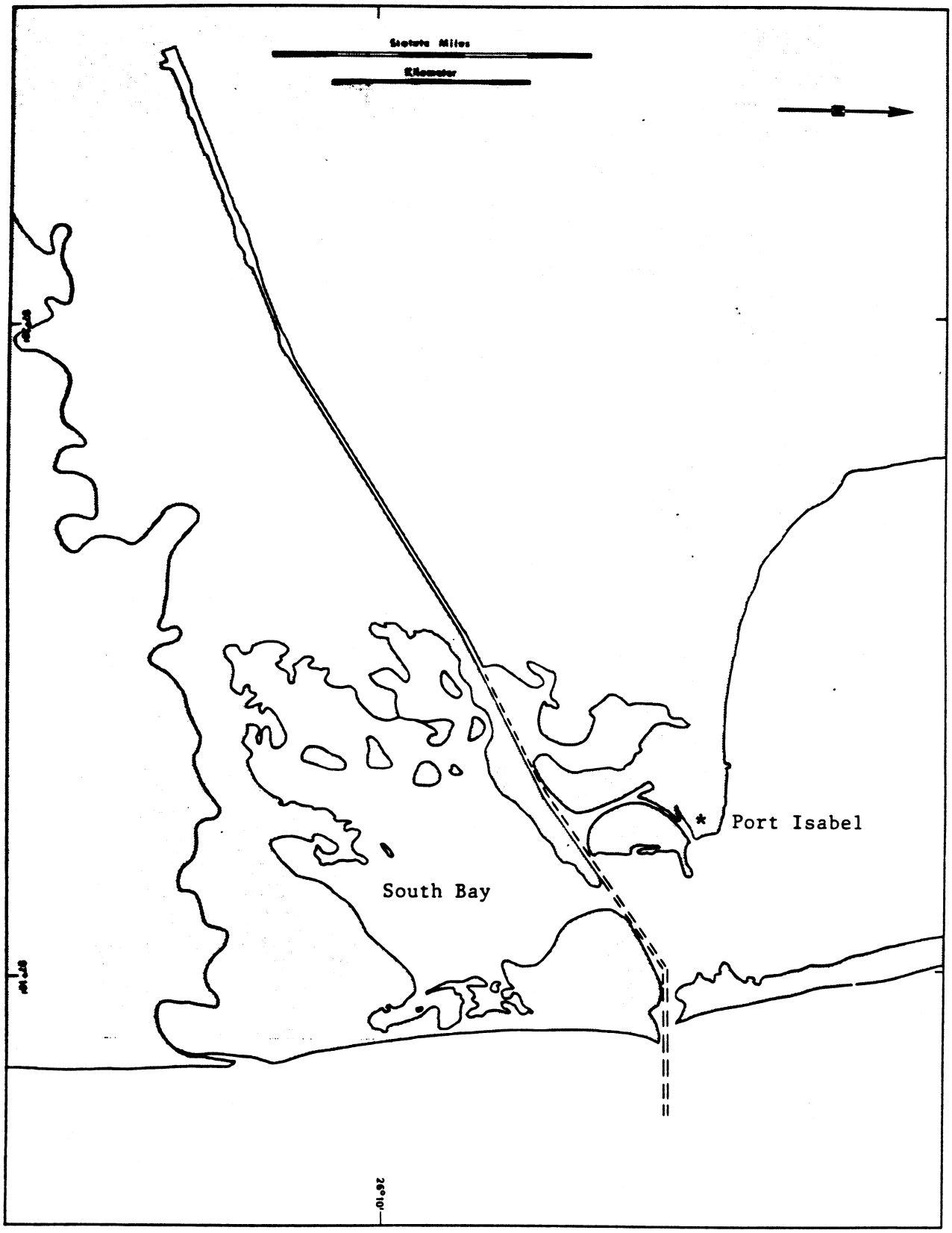
Figure 8. Lower Laguna Madre System.

(A) Lower Laguna Madre

(B) South Bay


N
97°30'
97°15'
26°45'
26°30'
26°15'
Post Mansfield
Lower
Laguna
Madre
Kilometer
Statute Miles

(A)



(B)

Appendix A. Gill net site identification.

Table A.1. Gill net grids in each bay system.

Bay	Grid	Latitude	Longitude
Galveston	14	29 45 30	94 49 30
	15	29 45 30	94 48 30
	16	29 45 30	94 47 30
	22	29 45 30	94 41 30
	25	29 44 30	94 50 30
	26	29 44 30	94 49 30
	34	29 44 30	94 41 30
	37	29 43 30	94 51 30
	38	29 43 30	94 50 30
	47	29 43 30	94 41 30
	48	29 42 30	95 1 30
	50	29 42 30	94 59 30
	51	29 42 30	94 58 30
	55	29 42 30	94 51 30
	65	29 42 30	94 41 30
	68	29 41 30	94 59 30
	69	29 41 30	94 58 30
	70	29 41 30	94 57 30
	71	29 41 30	94 56 30
	75	29 41 30	94 51 30
	85	29 41 30	94 41 30
	87	29 40 30	94 59 30
	88	29 40 30	94 58 30
	90	29 40 30	94 56 30
	91	29 40 30	94 55 30
	92	29 40 30	94 52 30
	103	29 40 30	94 41 30
	104	29 39 30	95 0 30
	105	29 39 30	94 59 30
	109	29 39 30	94 55 30
	110	29 39 30	94 54 30
	111	29 39 30	94 53 30
	112	29 39 30	94 52 30
	122	29 39 30	94 42 30
	123	29 39 30	94 41 30
	125	29 38 30	95 0 30
	128	29 38 30	94 57 30
	129	29 38 30	94 56 30
	143	29 38 30	94 42 30
	144	29 38 30	94 41 30
	146	29 37 30	95 0 30
	147	29 37 30	94 59 30
	150	29 37 30	94 56 30
	164	29 37 30	94 42 30
	168	29 36 30	94 58 30
	169	29 36 30	94 57 30
	170	29 36 30	94 56 30
	183	29 36 30	94 43 30

Table A.1. (Cont'd.).

Bay	Grid	Latitude	Longitude
Galveston (Cont'd.)	184	29 36 30	94 42 30
	188	29 35 30	94 59 30
	203	29 35 30	94 44 30
	204	29 35 30	94 43 30
	208	29 34 30	95 0 30
	209	29 34 30	94 59 30
	223	29 34 30	94 45 30
	224	29 34 30	94 44 30
	225	29 34 30	94 43 30
	226	29 34 30	94 34 30
	227	29 34 30	94 33 30
	228	29 34 30	94 32 30
	235	29 33 30	95 0 30
	249	29 33 30	94 46 30
	250	29 33 30	94 45 30
	252	29 33 30	94 38 30
	253	29 33 30	94 37 30
	254	29 33 30	94 36 30
	255	29 33 30	94 35 30
	256	29 33 30	94 34 30
	258	29 33 30	94 32 30
	259	29 33 30	94 31 30
	281	29 32 30	94 47 30
	282	29 32 30	94 46 30
	283	29 32 30	94 45 30
	284	29 32 30	94 43 30
	285	29 32 30	94 42 30
	286	29 32 30	94 41 30
	287	29 32 30	94 40 30
	288	29 32 30	94 39 30
	289	29 32 30	94 38 30
	296	29 32 30	94 31 30
	297	29 32 30	94 30 30
	298	29 32 30	94 29 30
	299	29 32 30	94 28 30
	302	29 31 30	95 0 30
	303	29 31 30	94 59 30
	316	29 31 30	94 46 30
	317	29 31 30	94 45 30
	318	29 31 30	94 44 30
	319	29 31 30	94 43 30
	327	29 31 30	94 35 30
	328	29 31 30	94 34 30
	329	29 31 30	94 33 30
	330	29 31 30	94 32 30
	331	29 31 30	94 31 30
	332	29 31 30	94 30 30
	333	29 31 30	94 29 30

Table A.1. (Cont'd.).

Bay	Grid	Latitude	Longitude
Galveston (Cont'd.)	335	29 30 30	94 59 30
	336	29 30 30	94 58 30
	337	29 30 30	94 57 30
	359	29 30 30	94 35 30
	385	29 29 30	94 36 30
	386	29 29 30	94 35 30
	390	29 28 30	94 57 30
	391	29 28 30	94 56 30
	406	29 28 30	94 41 30
	407	29 28 30	94 40 30
	408	29 28 30	94 39 30
	409	29 28 30	94 38 30
	410	29 28 30	94 37 30
	411	29 28 30	94 36 30
	412	29 27 30	94 58 30
	414	29 27 30	94 56 30
	415	29 27 30	94 55 30
	429	29 27 30	94 41 30
	433	29 26 30	94 56 30
	434	29 26 30	94 55 30
	435	29 26 30	94 54 30
	436	29 26 30	94 53 30
	447	29 26 30	94 42 30
	448	29 26 30	94 41 30
	450	29 25 30	94 57 30
	451	29 25 30	94 56 30
	452	29 25 30	94 55 30
	453	29 25 30	94 54 30
	454	29 25 30	94 53 30
	464	29 25 30	94 43 30
	465	29 25 30	94 42 30
	468	29 24 30	94 53 30
	476	29 24 30	94 45 30
	477	29 24 30	94 44 30
	486	29 23 30	94 46 30
	487	29 23 30	94 45 30
	489	29 22 30	94 52 30
	496	29 22 30	94 45 30
	497	29 22 30	94 44 30
	498	29 21 30	94 54 30
	499	29 21 30	94 53 30
	500	29 21 30	94 52 30
	503	29 21 30	94 49 30
	511	29 20 30	94 54 30
	512	29 20 30	94 53 30
	516	29 20 30	94 49 30
	526	29 19 30	94 53 30
	530	29 19 30	94 49 30

Table A.1. (Cont'd.).

Bay	Grid	Latitude	Longitude
Galveston (Cont'd.)	537	29 18 30	94 56 30
	538	29 18 30	94 55 30
	539	29 18 30	94 54 30
	540	29 18 30	94 53 30
	543	29 18 30	94 50 30
	544	29 18 30	94 49 30
	550	29 17 30	94 57 30
	551	29 17 30	94 56 30
	552	29 17 30	94 55 30
	555	29 17 30	94 52 30
	556	29 17 30	94 51 30
	557	29 17 30	94 50 30
	559	29 16 30	95 0 30
	560	29 16 30	94 59 30
	561	29 16 30	94 58 30
	562	29 16 30	94 57 30
	564	29 16 30	94 55 30
	565	29 16 30	94 54 30
	566	29 16 30	94 53 30
	567	29 16 30	94 52 30
	571	29 15 30	95 2 30
	572	29 15 30	95 1 30
	574	29 15 30	94 59 30
	578	29 15 30	94 55 30
	580	29 15 30	94 53 30
	585	29 14 30	95 1 30
	586	29 14 30	95 0 30
	590	29 14 30	94 56 30
	591	29 14 30	94 55 30
	598	29 13 30	95 1 30
	602	29 13 30	94 57 30
	603	29 13 30	94 56 30
	607	29 12 30	95 12 30
	608	29 12 30	95 11 30
	609	29 12 30	95 10 30
	610	29 12 30	95 9 30
	615	29 12 30	95 2 30
	616	29 12 30	95 1 30
	618	29 12 30	94 59 30
	619	29 12 30	94 58 30
	620	29 12 30	94 57 30
	622	29 11 30	95 11 30
	623	29 11 30	95 10 30
	624	29 11 30	95 9 30
	625	29 11 30	95 8 30
	626	29 11 30	95 7 30
	627	29 11 30	95 6 30
	628	29 11 30	95 5 30

Table A.1. (Cont'd.).

Bay	Grid	Latitude	Longitude
Galveston (Cont'd.)	629	29 11 30	95 4 30
	630	29 11 30	95 3 30
	633	29 11 30	95 0 30
	634	29 11 30	94 59 30
	637	29 10 30	95 9 30
	638	29 10 30	95 8 30
	639	29 10 30	95 7 30
	640	29 10 30	95 6 30
	641	29 10 30	95 5 30
	645	29 10 30	95 1 30
	646	29 10 30	95 0 30
	648	29 9 30	95 9 30
	655	29 9 30	95 2 30
	656	29 9 30	95 1 30
	658	29 8 30	95 9 30
	663	29 8 30	95 4 30
	664	29 8 30	95 3 30
	668	29 7 30	95 10 30
	669	29 7 30	95 9 30
	673	29 7 30	95 5 30
	674	29 7 30	95 4 30
	679	29 6 30	95 11 30
	680	29 6 30	95 10 30
	681	29 6 30	95 9 30
	684	29 6 30	95 6 30
	685	29 6 30	95 5 30
	689	29 5 30	95 13 30
	690	29 5 30	95 12 30
	691	29 5 30	95 11 30
	693	29 5 30	95 9 30
	699	29 4 30	95 14 30
	700	29 4 30	95 13 30
	701	29 4 30	95 12 30
	702	29 4 30	95 11 30
	703	29 4 30	95 10 30
	704	29 4 30	95 9 30
	705	29 4 30	95 8 30
	707	29 3 30	95 13 30
	708	29 3 30	95 12 30
	709	29 3 30	95 11 30
	710	29 3 30	95 10 30
	711	29 3 30	95 9 30
	715	29 2 30	95 13 30
	717	29 2 30	95 11 30
	718	29 2 30	95 10 30
	719	29 2 30	95 9 30
	722	29 1 30	95 13 30
	723	29 1 30	95 12 30

Table A.1. (Cont'd.).

Bay	Grid	Latitude	Longitude
Galveston (Cont'd.)	724	29 1 30	95 11 30
	725	29 0 30	95 14 30
	726	29 0 30	95 13 30
	727	29 0 30	95 12 30
	729	28 59 30	95 14 30
	731	29 46 30	95 3 30
	732	29 46 30	95 2 30
	736	29 44 30	95 2 30
	737	29 44 30	95 1 30
	741	29 42 30	95 3 30
	742	29 42 30	95 2 30
Matagorda	1	28 48 30	96 36 30
	2	28 48 30	96 35 30
	3	28 47 30	96 36 30
	5	28 47 30	96 34 30
	6	28 47 30	96 33 30
	8	28 46 30	96 34 30
	9	28 46 30	96 33 30
	10	28 45 30	96 36 30
	12	28 45 30	96 10 30
	15	28 44 30	96 36 30
	17	28 44 30	96 34 30
	18	28 44 30	96 33 30
	19	28 44 30	96 27 30
	20	28 44 30	96 26 30
	21	28 44 30	96 25 30
	22	28 44 30	96 24 30
	23	28 44 30	96 23 30
	24	28 44 30	96 11 30
	25	28 44 30	96 10 30
	27	28 43 30	96 39 30
	28	28 43 30	96 38 30
	29	28 43 30	96 37 30
	30	28 43 30	96 36 30
	31	28 43 30	96 35 30
	32	28 43 30	96 34 30
	33	28 43 30	96 33 30
	34	28 43 30	96 26 30
	35	28 43 30	96 25 30
	36	28 43 30	96 24 30
	37	28 43 30	96 23 30
	38	28 43 30	96 16 30
	39	28 43 30	96 15 30
	40	28 43 30	96 12 30
	41	28 43 30	96 11 30
	43	28 42 30	96 39 30
	44	28 42 30	96 38 30

Table A.1. (Cont'd.).

Bay	Grid	Latitude	Longitude
Matagorda (Cont'd.)	45	28 42 30	96 37 30
	48	28 42 30	96 34 30
	50	28 42 30	96 26 30
	51	28 42 30	96 25 30
	52	28 42 30	96 24 30
	53	28 42 30	96 23 30
	55	28 42 30	96 16 30
	56	28 42 30	96 15 30
	57	28 42 30	96 12 30
	58	28 42 30	96 11 30
	59	28 42 30	96 10 30
	60	28 41 30	96 39 30
	65	28 41 30	96 34 30
	66	28 41 30	96 33 30
	67	28 41 30	96 25 30
	68	28 41 30	96 24 30
	69	28 41 30	96 23 30
	70	28 41 30	96 17 30
	71	28 41 30	96 16 30
	72	28 41 30	96 15 30
	73	28 41 30	96 14 30
	74	28 41 30	96 13 30
	75	28 41 30	96 12 30
	76	28 41 30	96 11 30
	80	28 40 30	96 39 30
	81	28 40 30	96 38 30
	85	28 40 30	96 34 30
	86	28 40 30	96 33 30
	87	28 40 30	96 25 30
	88	28 40 30	96 24 30
	89	28 40 30	96 23 30
	91	28 40 30	96 18 30
	92	28 40 30	96 17 30
	93	28 40 30	96 16 30
	94	28 40 30	96 15 30
	97	28 40 30	96 12 30
	98	28 40 30	96 11 30
	99	28 40 30	96 3 30
	100	28 40 30	96 2 30
	102	28 40 30	96 0 30
	105	28 39 30	96 38 30
	106	28 39 30	96 37 30
	108	28 39 30	96 35 30
	109	28 39 30	96 34 30
	110	28 39 30	96 33 30
	111	28 39 30	96 31 30
	112	28 39 30	96 30 30
	113	28 39 30	96 28 30

Matagorda (Cont'd.)	114	28 39 30	96 27 30
	115	28 39 30	96 25 30
	116	28 39 30	96 24 30
	117	28 39 30	96 23 30
	118	28 39 30	96 22 30
	119	28 39 30	96 21 30
	120	28 39 30	96 18 30
	124	28 39 30	96 14 30
	125	28 39 30	96 13 30
	126	28 39 30	96 12 30
	128	28 39 30	96 3 30
	129	28 39 30	96 2 30
	130	28 39 30	96 1 30
	131	28 39 30	96 0 30
	132	28 39 30	95 59 30
	133	28 39 30	95 58 30
	135	28 38 30	96 37 30
	136	28 38 30	96 36 30
	138	28 38 30	96 34 30
	139	28 38 30	96 33 30
	140	28 38 30	96 32 30
	141	28 38 30	96 31 30
	142	28 38 30	96 30 30
	143	28 38 30	96 29 30
	144	28 38 30	96 28 30
	145	28 38 30	96 27 30
	146	28 38 30	96 26 30
	147	28 38 30	96 25 30
	148	28 38 30	96 24 30
	149	28 38 30	96 23 30
	151	28 38 30	96 21 30
	152	28 38 30	96 20 30
	153	28 38 30	96 19 30
	154	28 38 30	96 18 30
	158	28 38 30	96 14 30
	159	28 38 30	96 13 30
	160	28 38 30	96 7 30
	161	28 38 30	96 6 30
	162	28 38 30	96 5 30
	163	28 38 30	96 4 30
	164	28 38 30	96 3 30
	165	28 38 30	96 2 30
	166	28 38 30	96 1 30
	167	28 38 30	96 0 30
	168	28 38 30	95 59 30
	169	28 38 30	95 58 30
	171	28 37 30	96 37 30
	172	28 37 30	96 36 30
	175	28 37 30	96 33 30
	178	28 37 30	96 30 30
	179	28 37 30	96 29 30
	180	28 37 30	96 28 30
	181	28 37 30	96 27 30

Table A.1. (Cont'd.).

Bay	Grid	Latitude	Longitude
Matagorda (Cont'd.)	182	28 37 30	96 26 30
	183	28 37 30	96 25 30
	184	28 37 30	96 24 30
	185	28 37 30	96 23 30
	186	28 37 30	96 22 30
	187	28 37 30	96 21 30
	188	28 37 30	96 20 30
	195	28 37 30	96 13 30
	196	28 37 30	96 12 30
	197	28 37 30	96 11 30
	198	28 37 30	96 10 30
	199	28 37 30	96 9 30
	200	28 37 30	96 8 30
	201	28 37 30	96 7 30
	202	28 37 30	96 6 30
	203	28 37 30	96 5 30
	204	28 37 30	96 4 30
	205	28 37 30	96 3 30
	209	28 37 30	95 59 30
	210	28 37 30	95 58 30
	211	28 36 30	96 37 30
	212	28 36 30	96 36 30
	215	28 36 30	96 33 30
	218	28 36 30	96 30 30
	219	28 36 30	96 29 30
	220	28 36 30	96 28 30
	222	28 36 30	96 26 30
	223	28 36 30	96 25 30
	224	28 36 30	96 24 30
	225	28 36 30	96 23 30
	226	28 36 30	96 22 30
	234	28 36 30	96 14 30
	235	28 36 30	96 13 30
	236	28 36 30	96 12 30
	237	28 36 30	96 11 30
	238	28 36 30	96 10 30
	239	28 36 30	96 9 30
	240	28 36 30	96 8 30
	241	28 36 30	96 7 30
	248	28 36 30	96 0 30
	249	28 36 30	95 59 30
	250	28 36 30	95 58 30
	251	28 35 30	96 37 30
	252	28 35 30	96 36 30
	253	28 35 30	96 35 30
	254	28 35 30	96 34 30
	255	28 35 30	96 33 30
	256	28 35 30	96 32 30

Table A.1. (Cont'd.).

Bay	Grid	Latitude	Longitude
Matagorda (Cont'd.)	259	28 35 30	96 29 30
	260	28 35 30	96 28 30
	261	28 35 30	96 27 30
	262	28 35 30	96 26 30
	263	28 35 30	96 25 30
	274	28 35 30	96 14 30
	275	28 35 30	96 13 30
	276	28 35 30	96 12 30
	277	28 35 30	96 11 30
	278	28 35 30	96 10 30
	286	28 35 30	96 2 30
	287	28 35 30	96 1 30
	288	28 35 30	96 0 30
	289	28 35 30	95 59 30
	291	28 34 30	96 39 30
	292	28 34 30	96 38 30
	293	28 34 30	96 37 30
	294	28 34 30	96 36 30
	295	28 34 30	96 35 30
	296	28 34 30	96 34 30
	297	28 34 30	96 33 30
	298	28 34 30	96 32 30
	299	28 34 30	96 31 30
	301	28 34 30	96 29 30
	302	28 34 30	96 28 30
	303	28 34 30	96 27 30
	317	28 34 30	96 13 30
	318	28 34 30	96 12 30
	325	28 34 30	96 5 30
	326	28 34 30	96 4 30
	327	28 34 30	96 3 30
	328	28 34 30	96 2 30
	329	28 34 30	96 1 30
	330	28 33 30	96 33 30
	331	28 33 30	96 32 30
	332	28 33 30	96 31 30
	333	28 33 30	96 30 30
	334	28 33 30	96 29 30
	356	28 33 30	96 7 30
	357	28 33 30	96 6 30
	358	28 33 30	96 5 30
	359	28 33 30	96 4 30
	360	28 33 30	96 3 30
	363	28 32 30	96 31 30
	364	28 32 30	96 30 30
	365	28 32 30	96 29 30
	366	28 32 30	96 28 30
	385	28 32 30	96 9 30

Table A.1. (Cont'd.).

Bay	Grid	Latitude	Longitude
Matagorda (Cont'd.)	386	28 32 30	96 8 30
	387	28 32 30	96 7 30
	388	28 32 30	96 6 30
	389	28 31 30	96 30 30
	390	28 31 30	96 29 30
	407	28 31 30	96 12 30
	408	28 31 30	96 11 30
	409	28 31 30	96 10 30
	410	28 31 30	96 9 30
	411	28 30 30	96 31 30
	412	28 30 30	96 30 30
	413	28 30 30	96 29 30
	414	28 30 30	96 28 30
	415	28 30 30	96 27 30
	428	28 30 30	96 14 30
	429	28 30 30	96 13 30
	430	28 30 30	96 12 30
	431	28 30 30	96 11 30
	432	28 30 30	96 10 30
	433	28 29 30	96 32 30
	434	28 29 30	96 31 30
	435	28 29 30	96 30 30
	436	28 29 30	96 29 30
	437	28 29 30	96 27 30
	438	28 29 30	96 26 30
	449	28 29 30	96 15 30
	450	28 29 30	96 14 30
	451	28 29 30	96 13 30
	452	28 29 30	96 12 30
	453	28 28 30	96 32 30
	454	28 28 30	96 31 30
	455	28 28 30	96 30 30
	457	28 28 30	96 26 30
	458	28 28 30	96 25 30
	466	28 28 30	96 17 30
	467	28 28 30	96 16 30
	468	28 28 30	96 15 30
	469	28 27 30	96 25 30
	470	28 27 30	96 24 30
	473	28 27 30	96 21 30
	474	28 27 30	96 20 30
	476	28 27 30	96 18 30
	477	28 27 30	96 17 30
	478	28 26 30	96 24 30
	479	28 26 30	96 23 30
	482	28 26 30	96 20 30
	483	28 26 30	96 19 30
	484	28 26 30	96 18 30

Table A.1. (Cont'd.).

Bay	Grid	Latitude	Longitude
Matagorda (Cont'd.)	485	28 25 30	96 24 30
	486	28 25 30	96 23 30
	488	28 25 30	96 21 30
	489	28 25 30	96 20 30
	491	28 24 30	96 24 30
	493	28 24 30	96 22 30
	494	28 24 30	96 21 30
	495	28 23 30	96 24 30
	496	28 23 30	96 23 30
	497	28 23 30	96 22 30
	498	28 22 30	96 24 30
	499	28 22 30	96 23 30
	500	28 21 30	96 24 30
	501	28 21 30	96 23 30
	502	28 46 30	96 26 30
	506	28 45 30	96 27 30
	507	28 45 30	96 26 30
	509	28 45 30	96 8 30
	511	28 44 30	96 40 30
	514	28 40 30	96 28 30
	515	28 40 30	96 27 30
	516	28 35 30	96 38 30
	517	28 29 30	96 33 30
	522	28 28 30	96 34 30
	523	28 28 30	96 33 30
	527	28 27 30	96 34 30
	528	28 27 30	96 33 30
San Antonio	11	28 27 30	96 47 30
	12	28 27 30	96 46 30
	18	28 26 30	96 46 30
	19	28 26 30	96 45 30
	21	28 25 30	96 51 30
	22	28 25 30	96 50 30
	23	28 25 30	96 49 30
	24	28 25 30	96 48 30
	26	28 25 30	96 46 30
	27	28 25 30	96 45 30
	29	28 24 30	96 51 30
	30	28 24 30	96 50 30
	32	28 24 30	96 48 30
	33	28 24 30	96 47 30
	34	28 24 30	96 46 30
	35	28 24 30	96 45 30
	36	28 24 30	96 44 30
	37	28 24 30	96 43 30
	38	28 24 30	96 42 30
	39	28 23 30	96 50 30

San Antonio (Cont'd.)	40	28 23 30	96 49 30
	42	28 23 30	96 47 30
	43	28 23 30	96 46 30
	45	28 23 30	96 44 30
	46	28 23 30	96 43 30
	47	28 23 30	96 42 30
	49	28 22 30	96 49 30
	50	28 22 30	96 48 30
	56	28 22 30	96 42 30
	57	28 22 30	96 41 30
	58	28 21 30	96 48 30
	59	28 21 30	96 47 30
	64	28 21 30	96 42 30
	65	28 21 30	96 41 30
	67	28 20 30	96 47 30
	68	28 20 30	96 46 30
	72	28 20 30	96 42 30
	73	28 20 30	96 41 30
	78	28 19 30	96 47 30
	84	28 19 30	96 41 30
	85	28 19 30	96 40 30
	86	28 19 30	96 39 30
	87	28 19 30	96 38 30
	88	28 18 30	96 48 30
	89	28 18 30	96 47 30
	95	28 18 30	96 41 30
	96	28 18 30	96 40 30
	97	28 18 30	96 39 30
	99	28 18 30	96 37 30
	100	28 17 30	96 48 30
	101	28 17 30	96 47 30
	107	28 17 30	96 41 30
	111	28 17 30	96 37 30
	112	28 17 30	96 36 30
	113	28 17 30	96 35 30
	114	28 17 30	96 34 30
	118	28 16 30	96 48 30
	119	28 16 30	96 47 30
	120	28 16 30	96 46 30
	129	28 16 30	96 37 30
	130	28 16 30	96 36 30
	131	28 16 30	96 35 30
	135	28 15 30	96 47 30
	143	28 15 30	96 39 30
	144	28 15 30	96 38 30
	145	28 15 30	96 37 30
	146	28 15 30	96 36 30
	151	28 14 30	96 47 30
	152	28 14 30	96 46 30
	159	28 14 30	96 39 30
	164	28 13 30	96 48 30
	165	28 13 30	96 47 30
	166	28 13 30	96 46 30

Table A.1. (Cont'd.).

Bay	Grid	Latitude	Longitude
San Antonio (Cont'd.)	170	28 13 30	96 42 30
	171	28 13 30	96 41 30
	172	28 13 30	96 40 30
	173	28 13 30	96 39 30
	176	28 12 30	96 49 30
	177	28 12 30	96 48 30
	178	28 12 30	96 47 30
	183	28 12 30	96 42 30
	184	28 12 30	96 41 30
	186	28 11 30	96 50 30
	187	28 11 30	96 49 30
	188	28 11 30	96 48 30
	189	28 11 30	96 47 30
	190	28 11 30	96 46 30
	191	28 11 30	96 45 30
	192	28 11 30	96 44 30
	193	28 11 30	96 43 30
	194	28 11 30	96 42 30
	196	28 10 30	96 50 30
	197	28 10 30	96 49 30
	198	28 10 30	96 48 30
	209	28 26 30	96 24 30
	210	28 25 30	96 27 30
	211	28 25 30	96 26 30
	212	28 25 30	96 25 30
	213	28 25 30	96 24 30
	216	28 24 30	96 28 30
	217	28 24 30	96 27 30
	218	28 24 30	96 26 30
	219	28 24 30	96 25 30
	220	28 24 30	96 24 30
	223	28 23 30	96 30 30
	224	28 23 30	96 29 30
	225	28 23 30	96 28 30
	226	28 23 30	96 27 30
	227	28 23 30	96 26 30
	228	28 23 30	96 25 30
	229	28 23 30	96 24 30
	231	28 22 30	96 33 30
	232	28 22 30	96 32 30
	233	28 22 30	96 31 30
	234	28 22 30	96 30 30
	236	28 22 30	96 28 30
	237	28 22 30	96 27 30
	238	28 22 30	96 26 30
	239	28 22 30	96 25 30
	245	28 21 30	96 35 30
	246	28 21 30	96 34 30

Table A.1. (Cont'd.).

Bay	Grid	Latitude	Longitude
San Atonio (Cont'd.)	247	28 21 30	96 33 30
	252	28 21 30	96 28 30
	253	28 21 30	96 27 30
	254	28 21 30	96 26 30
	255	28 21 30	96 25 30
	256	28 21 30	96 24 30
	257	28 20 30	96 37 30
	258	28 20 30	96 36 30
	259	28 20 30	96 35 30
	267	28 20 30	96 27 30
	268	28 20 30	96 26 30
	269	28 20 30	96 25 30
	270	28 19 30	96 37 30
	271	28 19 30	96 36 30
	275	28 19 30	96 32 30
	276	28 19 30	96 31 30
	277	28 19 30	96 30 30
	278	28 19 30	96 29 30
	279	28 19 30	96 28 30
	280	28 19 30	96 27 30
	281	28 18 30	96 36 30
	282	28 18 30	96 35 30
	283	28 18 30	96 34 30
	284	28 18 30	96 33 30
	285	28 18 30	96 32 30
	286	28 18 30	96 31 30
	287	28 18 30	96 30 30
	288	28 18 30	96 29 30
Aransas	2	28 16 30	96 55 30
	3	28 16 30	96 54 30
	5	28 15 30	96 56 30
	6	28 15 30	96 55 30
	7	28 15 30	96 54 30
	8	28 14 30	96 57 30
	9	28 14 30	96 56 30
	10	28 14 30	96 55 30
	12	28 13 30	96 58 30
	13	28 13 30	96 57 30
	14	28 13 30	96 56 30
	18	28 12 30	97 2 30
	19	28 12 30	97 1 30
	20	28 12 30	97 0 30
	21	28 12 30	96 59 30
	22	28 12 30	96 58 30
	23	28 12 30	96 57 30
	24	28 12 30	96 56 30
	25	28 12 30	96 55 30

Table A.1. (Cont'd.).

Bay	Grid	Latitude	Longitude
Aransas (Cont'd.)	30	28 11 30	97 2 30
	31	28 11 30	97 1 30
	32	28 11 30	97 0 30
	33	28 11 30	96 57 30
	34	28 11 30	96 56 30
	35	28 11 30	96 55 30
	37	28 11 30	96 51 30
	38	28 11 30	96 50 30
	39	28 10 30	97 11 30
	40	28 10 30	97 10 30
	41	28 10 30	97 9 30
	42	28 10 30	97 8 30
	43	28 10 30	97 5 30
	44	28 10 30	97 4 30
	45	28 10 30	97 3 30
	47	28 10 30	97 1 30
	49	28 10 30	96 58 30
	50	28 10 30	96 57 30
	51	28 10 30	96 56 30
	54	28 10 30	96 52 30
	55	28 10 30	96 51 30
	56	28 10 30	96 50 30
	60	28 9 30	97 11 30
	61	28 9 30	97 10 30
	63	28 9 30	97 8 30
	64	28 9 30	97 7 30
	65	28 9 30	97 6 30
	66	28 9 30	97 5 30
	70	28 9 30	97 1 30
	71	28 9 30	97 0 30
	72	28 9 30	96 58 30
	73	28 9 30	96 57 30
	74	28 9 30	96 56 30
	76	28 9 30	96 53 30
	77	28 9 30	96 52 30
	80	28 9 30	96 49 30
	81	28 9 30	96 48 30
	84	28 8 30	97 11 30
	85	28 8 30	97 10 30
	86	28 8 30	97 9 30
	87	28 8 30	97 8 30
	88	28 8 30	97 7 30
	94	28 8 30	97 1 30
	95	28 8 30	97 0 30
	96	28 8 30	96 59 30
	97	28 8 30	96 58 30
	98	28 8 30	96 57 30
	99	28 8 30	96 56 30

Table A.1. (Cont'd.).

Bay	Grid	Latitude	Longitude
Aransas (Cont'd.)	100	28 8 30	96 55 30
	101	28 8 30	96 54 30
	102	28 8 30	96 53 30
	103	28 8 30	96 52 30
	106	28 8 30	96 49 30
	107	28 8 30	96 48 30
	111	28 7 30	97 10 30
	112	28 7 30	97 9 30
	118	28 7 30	97 3 30
	119	28 7 30	97 2 30
	121	28 7 30	97 0 30
	122	28 7 30	96 59 30
	123	28 7 30	96 58 30
	124	28 7 30	96 57 30
	125	28 7 30	96 56 30
	126	28 7 30	96 55 30
	127	28 7 30	96 54 30
	128	28 7 30	96 53 30
	129	28 7 30	96 52 30
	130	28 7 30	96 51 30
	132	28 7 30	96 49 30
	133	28 7 30	96 48 30
	135	28 6 30	97 12 30
	136	28 6 30	97 11 30
	137	28 6 30	97 10 30
	144	28 6 30	97 3 30
	145	28 6 30	97 2 30
	146	28 6 30	97 1 30
	151	28 6 30	96 56 30
	152	28 6 30	96 55 30
	153	28 6 30	96 54 30
	154	28 6 30	96 53 30
	155	28 6 30	96 52 30
	156	28 6 30	96 51 30
	157	28 6 30	96 50 30
	158	28 6 30	96 49 30
	159	28 5 30	97 13 30
	160	28 5 30	97 12 30
	168	28 5 30	97 4 30
	169	28 5 30	97 3 30
	170	28 5 30	97 2 30
	171	28 5 30	97 1 30
	177	28 5 30	96 55 30
	178	28 5 30	96 54 30
	183	28 4 30	97 15 30
	184	28 4 30	97 14 30
	185	28 4 30	97 13 30
	186	28 4 30	97 12 30

Table A.1. (Cont'd.).

Bay	Grid	Latitude	Longitude
Aransas (Cont'd.)	187	28 4 30	97 11 30
	192	28 4 30	97 6 30
	193	28 4 30	97 5 30
	194	28 4 30	97 4 30
	195	28 4 30	97 2 30
	200	28 4 30	96 57 30
	202	28 4 30	96 55 30
	208	28 3 30	97 14 30
	209	28 3 30	97 13 30
	211	28 3 30	97 11 30
	212	28 3 30	97 10 30
	213	28 3 30	97 9 30
	214	28 3 30	97 8 30
	215	28 3 30	97 7 30
	216	28 3 30	97 6 30
	217	28 3 30	97 5 30
	219	28 3 30	97 2 30
	220	28 3 30	97 1 30
	224	28 3 30	96 57 30
	225	28 3 30	96 56 30
	226	28 3 30	96 55 30
	229	28 3 30	96 52 30
	231	28 2 30	97 10 30
	232	28 2 30	97 9 30
	233	28 2 30	97 8 30
	234	28 2 30	97 7 30
	236	28 2 30	97 2 30
	237	28 2 30	97 1 30
	241	28 2 30	96 57 30
	242	28 2 30	96 56 30
	246	28 1 30	97 9 30
	247	28 1 30	97 8 30
	248	28 1 30	97 7 30
	249	28 1 30	97 3 30
	250	28 1 30	97 2 30
	251	28 1 30	97 1 30
	254	28 1 30	96 58 30
	255	28 1 30	96 57 30
	260	28 0 30	97 9 30
	261	28 0 30	97 8 30
	262	28 0 30	97 3 30
	267	28 0 30	96 58 30
	271	27 59 30	97 10 30
	272	27 59 30	97 9 30
	273	27 59 30	97 8 30
	274	27 59 30	97 4 30
	275	27 59 30	97 3 30
	279	27 59 30	96 59 30

Table A.1. (Cont'd.).

Bay	Grid	Latitude	Longitude
Aransas (Cont'd.)	280	27 59 30	96 58 30
	282	27 58 30	97 11 30
	283	27 58 30	97 10 30
	284	27 58 30	97 5 30
	285	27 58 30	97 4 30
	290	27 58 30	96 59 30
	291	27 58 30	96 58 30
	294	27 57 30	97 5 30
	295	27 57 30	97 4 30
	300	27 57 30	96 59 30
	301	27 57 30	96 58 30
	302	27 56 30	97 6 30
	303	27 56 30	97 5 30
	304	27 56 30	97 4 30
	306	27 56 30	97 2 30
	307	27 56 30	97 1 30
	308	27 56 30	97 0 30
	309	27 56 30	96 59 30
	310	27 55 30	97 7 30
	311	27 55 30	97 6 30
	312	27 55 30	97 5 30
	313	27 55 30	97 4 30
	315	27 55 30	97 2 30
	316	27 55 30	97 1 30
	317	27 55 30	97 0 30
	319	27 54 30	97 7 30
	320	27 54 30	97 6 30
	321	27 54 30	97 5 30
	322	27 54 30	97 4 30
	323	27 54 30	97 3 30
	325	27 54 30	97 1 30
	328	27 53 30	97 7 30
	329	27 53 30	97 6 30
	331	27 53 30	97 4 30
	333	27 53 30	97 2 30
	337	27 52 30	97 5 30
	338	27 52 30	97 4 30
	339	27 52 30	97 3 30
	340	27 52 30	97 2 30
Corpus Christi	4	27 53 30	97 20 30
	6	27 52 30	97 30 30
	7	27 52 30	97 29 30
	8	27 52 30	97 28 30
	10	27 52 30	97 26 30
	11	27 52 30	97 25 30
	12	27 52 30	97 24 30
	13	27 52 30	97 23 30

Table A.1. (Cont'd.).

Bay	Grid	Latitude	Longitude
Corpus Christi (Cont'd.)	14	27 52 30	97 22 30
	15	27 52 30	97 21 30
	16	27 52 30	97 20 30
	17	27 51 30	97 31 30
	18	27 51 30	97 30 30
	19	27 51 30	97 29 30
	20	27 51 30	97 28 30
	21	27 51 30	97 27 30
	27	27 51 30	97 21 30
	30	27 50 30	97 29 30
	35	27 50 30	97 24 30
	36	27 50 30	97 23 30
	37	27 50 30	97 22 30
	40	27 49 30	97 29 30
	41	27 49 30	97 28 30
	42	27 49 30	97 27 30
	43	27 49 30	97 26 30
	44	27 49 30	97 25 30
	45	27 49 30	97 24 30
	54	27 53 30	97 8 30
	55	27 53 30	97 7 30
	56	27 53 30	97 6 30
	57	27 52 30	97 19 30
	58	27 52 30	97 18 30
	59	27 52 30	97 17 30
	60	27 52 30	97 16 30
	63	27 52 30	97 9 30
	64	27 52 30	97 8 30
	65	27 52 30	97 7 30
	66	27 52 30	97 6 30
	68	27 51 30	97 20 30
	69	27 51 30	97 19 30
	73	27 51 30	97 15 30
	74	27 51 30	97 14 30
	76	27 51 30	97 10 30
	77	27 51 30	97 9 30
	78	27 51 30	97 8 30
	79	27 51 30	97 7 30
	80	27 51 30	97 6 30
	81	27 51 30	97 5 30
	90	27 50 30	97 14 30
	91	27 50 30	97 13 30
	92	27 50 30	97 10 30
	93	27 50 30	97 9 30
	94	27 50 30	97 8 30
	95	27 50 30	97 7 30
	96	27 50 30	97 6 30
	109	27 49 30	97 14 30

Table A.1. (Cont'd.).

Bay	Grid	Latitude	Longitude
Corpus Christi (Cont'd.)	110	27 49 30	97 13 30
	111	27 49 30	97 12 30
	112	27 49 30	97 11 30
	113	27 49 30	97 10 30
	114	27 49 30	97 9 30
	115	27 49 30	97 8 30
	116	27 49 30	97 7 30
	130	27 48 30	97 13 30
	131	27 48 30	97 12 30
	132	27 48 30	97 11 30
	133	27 48 30	97 10 30
	134	27 48 30	97 9 30
	135	27 48 30	97 8 30
	136	27 48 30	97 7 30
	156	27 47 30	97 7 30
	157	27 47 30	97 6 30
	173	27 46 30	97 9 30
	174	27 46 30	97 8 30
	175	27 46 30	97 7 30
	176	27 46 30	97 6 30
	178	27 45 30	97 22 30
	190	27 45 30	97 10 30
	191	27 45 30	97 9 30
	192	27 45 30	97 8 30
	193	27 45 30	97 7 30
	194	27 44 30	97 22 30
	207	27 44 30	97 9 30
	212	27 43 30	97 19 30
	221	27 43 30	97 10 30
	222	27 43 30	97 9 30
	225	27 42 30	97 19 30
	226	27 42 30	97 18 30
	227	27 42 30	97 17 30
	234	27 42 30	97 10 30
	238	27 41 30	97 15 30
	239	27 41 30	97 14 30
	242	27 41 30	97 11 30
	243	27 41 30	97 10 30
Upper Laguna Madre	1	27 41 30	97 15 30
	2	27 41 30	97 14 30
	3	27 41 30	97 13 30
	6	27 40 30	97 16 30
	7	27 40 30	97 15 30
	8	27 40 30	97 14 30
	12	27 39 30	97 16 30
	13	27 39 30	97 15 30
	14	27 39 30	97 14 30

Table A.1. (Cont'd.).

Bay	Grid	Latitude	Longitude
Upper Laguna Madre (Cont'd.)	15	27 39 30	97 13 30
	18	27 38 30	97 17 30
	19	27 38 30	97 16 30
	20	27 38 30	97 15 30
	21	27 38 30	97 14 30
	22	27 38 30	97 13 30
	25	27 37 30	97 17 30
	26	27 37 30	97 16 30
	27	27 37 30	97 15 30
	33	27 36 30	97 17 30
	34	27 36 30	97 16 30
	39	27 35 30	97 18 30
	40	27 35 30	97 17 30
	41	27 35 30	97 16 30
	42	27 35 30	97 15 30
	43	27 35 30	97 14 30
	45	27 34 30	97 19 30
	46	27 34 30	97 18 30
	48	27 34 30	97 16 30
	49	27 34 30	97 15 30
	50	27 34 30	97 14 30
	51	27 33 30	97 19 30
	53	27 33 30	97 17 30
	54	27 33 30	97 16 30
	55	27 33 30	97 15 30
	56	27 32 30	97 20 30
	57	27 32 30	97 19 30
	59	27 32 30	97 17 30
	60	27 32 30	97 16 30
	61	27 31 30	97 20 30
	63	27 31 30	97 18 30
	64	27 31 30	97 17 30
	65	27 31 30	97 16 30
	66	27 30 30	97 20 30
	68	27 30 30	97 18 30
	69	27 30 30	97 17 30
	70	27 29 30	97 21 30
	71	27 29 30	97 20 30
	72	27 29 30	97 19 30
	73	27 29 30	97 18 30
	74	27 29 30	97 17 30
	75	27 28 30	97 21 30
	76	27 28 30	97 20 30
	77	27 28 30	97 19 30
	78	27 28 30	97 18 30
	79	27 27 30	97 21 30
	81	27 27 30	97 19 30
	82	27 27 30	97 18 30

Table A.1. (Cont'd.).

Bay	Grid	Latitude	Longitude
Upper Laguna Madre (Cont'd.)	83	27 26 30	97 22 30
	84	27 26 30	97 21 30
	85	27 26 30	97 20 30
	86	27 26 30	97 19 30
	87	27 25 30	97 22 30
	88	27 25 30	97 21 30
	89	27 25 30	97 20 30
	90	27 25 30	97 19 30
	91	27 24 30	97 22 30
	92	27 24 30	97 21 30
	93	27 24 30	97 20 30
	94	27 24 30	97 19 30
	95	27 23 30	97 22 30
	96	27 23 30	97 21 30
	97	27 23 30	97 20 30
	98	27 22 30	97 23 30
	99	27 22 30	97 22 30
	100	27 22 30	97 21 30
	101	27 22 30	97 20 30
	102	27 21 30	97 23 30
	103	27 21 30	97 22 30
	104	27 21 30	97 21 30
	105	27 20 30	97 24 30
	106	27 20 30	97 23 30
	107	27 20 30	97 22 30
	109	27 19 30	97 25 30
	110	27 19 30	97 24 30
	111	27 19 30	97 23 30
	116	27 23 30	97 29 30
	121	27 22 30	97 30 30
	122	27 22 30	97 29 30
	123	27 22 30	97 28 30
	124	27 21 30	97 42 30
	125	27 21 30	97 41 30
	126	27 21 30	97 40 30
	127	27 21 30	97 39 30
	128	27 21 30	97 30 30
	129	27 21 30	97 29 30
	130	27 21 30	97 28 30
	131	27 20 30	97 41 30
	132	27 20 30	97 40 30
	133	27 20 30	97 39 30
	134	27 20 30	97 32 30
	135	27 20 30	97 31 30
	137	27 20 30	97 29 30
	138	27 20 30	97 28 30
	140	27 19 30	97 41 30
	141	27 19 30	97 40 30
	142	27 19 30	97 39 30

Table A.1. (Cont'd.).

Bay	Grid	Latitude	Longitude
Upper Laguna Madre (Cont'd.)	143	27 19 30	97 38 30
	144	27 19 30	97 37 30
	146	27 19 30	97 34 30
	147	27 19 30	97 33 30
	148	27 19 30	97 32 30
	150	27 19 30	97 30 30
	151	27 19 30	97 29 30
	154	27 18 30	97 40 30
	155	27 18 30	97 39 30
	156	27 18 30	97 38 30
	157	27 18 30	97 37 30
	159	27 18 30	97 35 30
	160	27 18 30	97 34 30
	163	27 18 30	97 31 30
	164	27 18 30	97 30 30
	165	27 18 30	97 29 30
	166	27 18 30	97 28 30
	167	27 18 30	97 27 30
	168	27 18 30	97 26 30
	169	27 18 30	97 25 30
	170	27 18 30	97 24 30
	171	27 18 30	97 23 30
	174	27 17 30	97 41 30
	175	27 17 30	97 40 30
	176	27 17 30	97 39 30
	177	27 17 30	97 38 30
	178	27 17 30	97 37 30
	179	27 17 30	97 36 30
	180	27 17 30	97 35 30
	183	27 17 30	97 32 30
	184	27 17 30	97 31 30
	185	27 17 30	97 29 30
	186	27 17 30	97 28 30
	195	27 16 30	97 43 30
	196	27 16 30	97 42 30
	197	27 16 30	97 41 30
	198	27 16 30	97 40 30
	199	27 16 30	97 39 30
	200	27 16 30	97 38 30
	206	27 16 30	97 32 30
	207	27 16 30	97 31 30
	208	27 16 30	97 30 30
	209	27 16 30	97 29 30
	218	27 15 30	97 44 30
	219	27 15 30	97 43 30
	220	27 15 30	97 42 30
	221	27 15 30	97 38 30
	230	27 15 30	97 29 30

Table A.1. (Cont'd.).

Bay	Grid	Latitude	Longitude
Upper Laguna Madre (Cont'd.)	231	27 15 30	97 28 30
	232	27 15 30	97 27 30
	233	27 15 30	97 26 30
	234	27 15 30	97 25 30
	238	27 14 30	97 38 30
	239	27 14 30	97 37 30
	240	27 14 30	97 36 30
	241	27 14 30	97 35 30
	242	27 14 30	97 34 30
	243	27 14 30	97 33 30
	246	27 14 30	97 30 30
	247	27 14 30	97 29 30
	249	27 13 30	97 33 30
	250	27 13 30	97 32 30
	251	27 13 30	97 31 30
	252	27 13 30	97 30 30
	253	27 14 30	97 25 30
	257	27 13 30	97 25 30
	261	27 12 30	97 26 30
	262	27 12 30	97 25 30
	264	27 12 30	97 23 30
	266	27 11 30	97 26 30
	267	27 11 30	97 25 30
	269	27 11 30	97 23 30
	271	27 10 30	97 26 30
	272	27 10 30	97 25 30
	273	27 10 30	97 24 30
	275	27 9 30	97 26 30
	279	27 8 30	97 26 30
	345	27 21 30	97 31 30
Lower Laguna Madre	2	26 48 30	97 29 30
	3	26 48 30	97 28 30
	6	26 47 30	97 28 30
	10	26 46 30	97 28 30
	15	26 45 30	97 28 30
	16	26 45 30	97 27 30
	20	26 44 30	97 28 30
	21	26 44 30	97 27 30
	25	26 43 30	97 28 30
	26	26 43 30	97 27 30
	27	26 43 30	97 26 30
	31	26 42 30	97 28 30
	32	26 42 30	97 27 30
	37	26 41 30	97 27 30
	42	26 40 30	97 27 30
	47	26 39 30	97 27 30
	53	26 38 30	97 27 30
	54	26 38 30	97 26 30

Table A.1. (Cont'd.).

Bay	Grid	Latitude	Longitude
Lower Laguna Madre (Cont'd.)	60	26 37 30	97 26 30
	66	26 36 30	97 26 30
	73	26 35 30	97 26 30
	74	26 35 30	97 25 30
	80	26 34 30	97 25 30
	88	26 33 30	97 24 30
	89	26 33 30	97 23 30
	90	26 33 30	97 22 30
	97	26 32 30	97 25 30
	98	26 32 30	97 24 30
	104	26 31 30	97 25 30
	105	26 31 30	97 24 30
	107	26 31 30	97 22 30
	112	26 30 30	97 24 30
	113	26 30 30	97 23 30
	119	26 29 30	97 24 30
	120	26 29 30	97 23 30
	168	26 23 30	97 20 30
	169	26 23 30	97 19 30
	183	26 21 30	97 25 30
	188	26 21 30	97 19 30
	189	26 21 30	97 18 30
	192	26 20 30	97 26 30
	198	26 20 30	97 19 30
	199	26 20 30	97 18 30
	207	26 19 30	97 18 30
	217	26 18 30	97 18 30
	218	26 18 30	97 17 30
	224	26 17 30	97 18 30
	225	26 17 30	97 17 30
	235	26 16 30	97 16 30
	270	26 12 30	97 15 30
	274	26 12 30	97 11 30
	277	26 11 30	97 15 30
	281	26 11 30	97 11 30
	282	26 10 30	97 18 30
	283	26 10 30	97 17 30
	289	26 10 30	97 11 30
	290	26 10 30	97 10 30
	292	26 9 30	97 17 30
	299	26 9 30	97 10 30
	300	26 8 30	97 17 30
	301	26 8 30	97 16 30
	303	26 8 30	97 14 30
	304	26 8 30	97 13 30
	307	26 8 30	97 10 30
	309	26 7 30	97 17 30
	310	26 7 30	97 16 30

Table A.1. (Cont'd.).

Bay	Grid	Latitude	Longitude
Lower Laguna Madre (Cont'd.)	313	26 7 30	97 13 30
	318	26 6 30	97 17 30
	319	26 6 30	97 16 30
	322	26 6 30	97 13 30
	323	26 6 30	97 12 30
	328	26 5 30	97 17 30
	329	26 5 30	97 16 30
	330	26 5 30	97 15 30
	333	26 5 30	97 12 30
	344	26 4 30	97 14 30
	345	26 4 30	97 13 30
	347	26 4 30	97 11 30
	348	26 4 30	97 10 30
	349	26 4 30	97 9 30
	360	26 3 30	97 11 30
	374	26 2 30	97 10 30
	385	26 1 30	97 11 30
	386	26 1 30	97 10 30
East Matagorda	1	28 49 30	95 48 30
	2	28 49 30	95 47 30
	3	28 48 30	95 49 30
	4	28 48 30	95 48 30
	5	28 48 30	95 47 30
	6	28 47 30	95 48 30
	7	28 47 30	95 47 30
	8	28 47 30	95 46 30
	9	28 46 30	95 48 30
	10	28 46 30	95 47 30
	11	28 46 30	95 46 30
	20	28 45 30	95 45 30
	23	28 45 30	95 41 30
	24	28 45 30	95 40 30
	25	28 45 30	95 39 30
	29	28 44 30	95 50 30
	30	28 44 30	95 49 30
	31	28 44 30	95 48 30
	32	28 44 30	95 47 30
	33	28 44 30	95 46 30
	34	28 44 30	95 45 30
	35	28 44 30	95 44 30
	36	28 44 30	95 43 30
	37	28 44 30	95 42 30
	38	28 44 30	95 41 30
	39	28 44 30	95 40 30
	40	28 44 30	95 39 30
	43	28 43 30	95 52 30
	44	28 43 30	95 51 30
	45	28 43 30	95 50 30

Table A.1. (Cont'd.).

Bay	Grid	Latitude	Longitude
East Matagorda (Cont'd.)	46	28 43 30	95 49 30
	50	28 43 30	95 45 30
	51	28 43 30	95 44 30
	52	28 43 30	95 43 30
	53	28 43 30	95 42 30
	56	28 42 30	95 55 30
	57	28 42 30	95 54 30
	58	28 42 30	95 53 30
	59	28 42 30	95 52 30
	65	28 42 30	95 46 30
	66	28 42 30	95 45 30
	67	28 42 30	95 44 30
	68	28 41 30	95 56 30
	69	28 41 30	95 55 30
	76	28 41 30	95 48 30
	77	28 41 30	95 47 30
	78	28 41 30	95 46 30
	81	28 40 30	95 56 30
	87	28 40 30	95 50 30
	88	28 40 30	95 49 30
	89	28 40 30	95 48 30
	90	28 39 30	95 57 30
	91	28 39 30	95 56 30
	94	28 39 30	95 53 30
	95	28 39 30	95 52 30
	96	28 39 30	95 51 30
	97	28 39 30	95 50 30
	98	28 38 30	95 57 30
	100	28 38 30	95 55 30
	101	28 38 30	95 54 30
	102	28 38 30	95 53 30
	103	28 38 30	95 52 30
	104	28 37 30	95 57 30
	105	28 37 30	95 56 30
	106	28 37 30	95 55 30

Appendix B. Bag seine site identification.

Table B.1. Bag seine grids in each bay system.

Bay	Grid	Latitude	Longitude
Galveston	7	29 46 30	94 47 30
	8	29 46 30	94 46 30
	9	29 46 30	94 45 30
	14	29 45 30	94 49 30
	15	29 45 30	94 48 30
	16	29 45 30	94 47 30
	20	29 45 30	94 43 30
	21	29 45 30	94 42 30
	22	29 45 30	94 41 30
	25	29 44 30	94 50 30
	26	29 44 30	94 49 30
	34	29 44 30	94 41 30
	35	29 43 30	95 0 30
	37	29 43 30	94 51 30
	38	29 43 30	94 50 30
	47	29 43 30	94 41 30
	48	29 42 30	95 1 30
	49	29 42 30	95 0 30
	50	29 42 30	94 59 30
	51	29 42 30	94 58 30
	55	29 42 30	94 51 30
	65	29 42 30	94 41 30
	66	29 41 30	95 1 30
	68	29 41 30	94 59 30
	69	29 41 30	94 58 30
	70	29 41 30	94 57 30
	71	29 41 30	94 56 30
	72	29 41 30	94 55 30
	73	29 41 30	94 54 30
	75	29 41 30	94 51 30
	85	29 41 30	94 41 30
	88	29 40 30	94 58 30
	90	29 40 30	94 56 30
	91	29 40 30	94 55 30
	92	29 40 30	94 52 30
	103	29 40 30	94 41 30
	104	29 39 30	95 0 30
	105	29 39 30	94 59 30
	106	29 39 30	94 58 30
	107	29 39 30	94 57 30
	109	29 39 30	94 55 30
	110	29 39 30	94 54 30
	111	29 39 30	94 53 30
	112	29 39 30	94 52 30
	122	29 39 30	94 42 30
	123	29 39 30	94 41 30
	124	29 39 30	94 40 30
	128	29 38 30	94 57 30

Table B.1. (Cont'd.).

Bay	Grid	Latitude	Longitude
Galveston (Cont'd.)	129	29 38 30	94 56 30
	143	29 38 30	94 42 30
	144	29 38 30	94 41 30
	146	29 37 30	95 0 30
	147	29 37 30	94 59 30
	149	29 37 30	94 57 30
	150	29 37 30	94 56 30
	164	29 37 30	94 42 30
	169	29 36 30	94 57 30
	170	29 36 30	94 56 30
	183	29 36 30	94 43 30
	184	29 36 30	94 42 30
	187	29 35 30	95 2 30
	188	29 35 30	94 59 30
	203	29 35 30	94 44 30
	204	29 35 30	94 43 30
	206	29 34 30	95 3 30
	207	29 34 30	95 2 30
	208	29 34 30	95 0 30
	209	29 34 30	94 59 30
	223	29 34 30	94 45 30
	224	29 34 30	94 44 30
	225	29 34 30	94 43 30
	226	29 34 30	94 34 30
	227	29 34 30	94 33 30
	228	29 34 30	94 32 30
	231	29 33 30	95 4 30
	234	29 33 30	95 1 30
	235	29 33 30	95 0 30
	249	29 33 30	94 46 30
	250	29 33 30	94 45 30
	251	29 33 30	94 44 30
	252	29 33 30	94 38 30
	253	29 33 30	94 37 30
	254	29 33 30	94 36 30
	255	29 33 30	94 35 30
	256	29 33 30	94 34 30
	258	29 33 30	94 32 30
	259	29 33 30	94 31 30
	260	29 33 30	94 29 30
	261	29 33 30	94 28 30
	264	29 32 30	95 4 30
	268	29 32 30	95 0 30
	281	29 32 30	94 47 30
	282	29 32 30	94 46 30
	283	29 32 30	94 45 30
	284	29 32 30	94 43 30
	285	29 32 30	94 42 30
	286	29 32 30	94 41 30

Table B.1. (Cont'd.).

Bay	Grid	Latitude	Longitude
Galveston (Cont'd.)	287	29 32 30	94 40 30
	288	29 32 30	94 39 30
	289	29 32 30	94 38 30
	296	29 32 30	94 31 30
	297	29 32 30	94 30 30
	298	29 32 30	94 29 30
	299	29 32 30	94 28 30
	302	29 31 30	95 0 30
	303	29 31 30	94 59 30
	309	29 31 30	94 53 30
	316	29 31 30	94 46 30
	317	29 31 30	94 45 30
	318	29 31 30	94 44 30
	319	29 31 30	94 43 30
	327	29 31 30	94 35 30
	328	29 31 30	94 34 30
	329	29 31 30	94 33 30
	330	29 31 30	94 32 30
	331	29 31 30	94 31 30
	332	29 31 30	94 30 30
	333	29 31 30	94 29 30
	335	29 30 30	94 59 30
	336	29 30 30	94 58 30
	337	29 30 30	94 57 30
	341	29 30 30	94 53 30
	342	29 30 30	94 52 30
	359	29 30 30	94 35 30
	360	29 30 30	94 34 30
	361	29 30 30	94 33 30
	362	29 30 30	94 32 30
	363	29 30 30	94 31 30
	364	29 30 30	94 30 30
	365	29 30 30	94 29 30
	385	29 29 30	94 36 30
	386	29 29 30	94 35 30
	387	29 29 30	94 34 30
	388	29 29 30	94 33 30
	390	29 28 30	94 57 30
	391	29 28 30	94 56 30
	406	29 28 30	94 41 30
	407	29 28 30	94 40 30
	408	29 28 30	94 39 30
	409	29 28 30	94 38 30
	410	29 28 30	94 37 30
	411	29 28 30	94 36 30
	412	29 27 30	94 58 30
	413	29 27 30	94 57 30
	414	29 27 30	94 56 30

Table B.1. (Cont'd.).

Bay	Grid	Latitude	Longitude
Galveston (Cont'd.)	415	29 27 30	94 55 30
	429	29 27 30	94 41 30
	430	29 27 30	94 40 30
	433	29 26 30	94 56 30
	434	29 26 30	94 55 30
	435	29 26 30	94 54 30
	436	29 26 30	94 53 30
	447	29 26 30	94 42 30
	448	29 26 30	94 41 30
	450	29 25 30	94 57 30
	451	29 25 30	94 56 30
	452	29 25 30	94 55 30
	453	29 25 30	94 54 30
	454	29 25 30	94 53 30
	464	29 25 30	94 43 30
	465	29 25 30	94 42 30
	468	29 24 30	94 53 30
	476	29 24 30	94 45 30
	477	29 24 30	94 44 30
	478	29 24 30	94 43 30
	479	29 23 30	94 53 30
	480	29 23 30	94 52 30
	481	29 23 30	94 51 30
	486	29 23 30	94 46 30
	487	29 23 30	94 45 30
	489	29 22 30	94 52 30
	490	29 22 30	94 51 30
	491	29 22 30	94 50 30
	492	29 22 30	94 49 30
	495	29 22 30	94 46 30
	498	29 21 30	94 54 30
	499	29 21 30	94 53 30
	500	29 21 30	94 52 30
	503	29 21 30	94 49 30
	504	29 21 30	94 48 30
	506	29 21 30	94 46 30
	507	29 21 30	94 45 30
	511	29 20 30	94 54 30
	512	29 20 30	94 53 30
	516	29 20 30	94 49 30
	518	29 20 30	94 47 30
	519	29 20 30	94 46 30
	521	29 20 30	94 44 30
	523	29 19 30	94 56 30
	526	29 19 30	94 53 30
	530	29 19 30	94 49 30
	534	29 19 30	94 45 30
	535	29 19 30	94 44 30

Table B.1. (Cont'd.).

Bay	Grid	Latitude	Longitude
Galveston (Cont'd.)	537	29 18 30	94 56 30
	538	29 18 30	94 55 30
	539	29 18 30	94 54 30
	540	29 18 30	94 53 30
	543	29 18 30	94 50 30
	544	29 18 30	94 49 30
	549	29 17 30	94 58 30
	550	29 17 30	94 57 30
	551	29 17 30	94 56 30
	552	29 17 30	94 55 30
	555	29 17 30	94 52 30
	556	29 17 30	94 51 30
	557	29 17 30	94 50 30
	559	29 16 30	95 0 30
	560	29 16 30	94 59 30
	561	29 16 30	94 58 30
	562	29 16 30	94 57 30
	564	29 16 30	94 55 30
	565	29 16 30	94 54 30
	566	29 16 30	94 53 30
	567	29 16 30	94 52 30
	568	29 16 30	94 51 30
	569	29 16 30	94 50 30
	571	29 15 30	95 2 30
	572	29 15 30	95 1 30
	573	29 15 30	95 0 30
	574	29 15 30	94 59 30
	578	29 15 30	94 55 30
	579	29 15 30	94 54 30
	580	29 15 30	94 53 30
	585	29 14 30	95 1 30
	586	29 14 30	95 0 30
	590	29 14 30	94 56 30
	591	29 14 30	94 55 30
	592	29 14 30	94 54 30
	595	29 13 30	95 13 30
	596	29 13 30	95 12 30
	598	29 13 30	95 1 30
	602	29 13 30	94 57 30
	603	29 13 30	94 56 30
	606	29 12 30	95 13 30
	607	29 12 30	95 12 30
	608	29 12 30	95 11 30
	609	29 12 30	95 10 30
	610	29 12 30	95 9 30
	613	29 12 30	95 5 30
	614	29 12 30	95 3 30
	615	29 12 30	95 2 30

Table B.1. (Cont'd.).

Bay	Grid	Latitude	Longitude
Galveston (Cont'd.)	616	29 12 30	95 1 30
	618	29 12 30	94 59 30
	619	29 12 30	94 58 30
	620	29 12 30	94 57 30
	622	29 11 30	95 11 30
	623	29 11 30	95 10 30
	624	29 11 30	95 9 30
	625	29 11 30	95 8 30
	626	29 11 30	95 7 30
	627	29 11 30	95 6 30
	628	29 11 30	95 5 30
	629	29 11 30	95 4 30
	630	29 11 30	95 3 30
	633	29 11 30	95 0 30
	634	29 11 30	94 59 30
	635	29 11 30	94 58 30
	637	29 10 30	95 9 30
	638	29 10 30	95 8 30
	639	29 10 30	95 7 30
	640	29 10 30	95 6 30
	641	29 10 30	95 5 30
	645	29 10 30	95 1 30
	646	29 10 30	95 0 30
	648	29 9 30	95 9 30
	650	29 9 30	95 7 30
	655	29 9 30	95 2 30
	656	29 9 30	95 1 30
	657	29 8 30	95 10 30
	658	29 8 30	95 9 30
	663	29 8 30	95 4 30
	664	29 8 30	95 3 30
	667	29 7 30	95 11 30
	668	29 7 30	95 10 30
	669	29 7 30	95 9 30
	673	29 7 30	95 5 30
	674	29 7 30	95 4 30
	678	29 6 30	95 12 30
	679	29 6 30	95 11 30
	680	29 6 30	95 10 30
	681	29 6 30	95 9 30
	684	29 6 30	95 6 30
	685	29 6 30	95 5 30
	687	29 5 30	95 15 30
	688	29 5 30	95 14 30
	689	29 5 30	95 13 30
	690	29 5 30	95 12 30
	691	29 5 30	95 11 30
	693	29 5 30	95 9 30

Table B.1. (Cont'd.).

Bay	Grid	Latitude	Longitude
Galveston (Cont'd.)	694	29 5 30	95 8 30
	695	29 5 30	95 7 30
	696	29 5 30	95 6 30
	697	29 4 30	95 16 30
	699	29 4 30	95 14 30
	700	29 4 30	95 13 30
	701	29 4 30	95 12 30
	702	29 4 30	95 11 30
	703	29 4 30	95 10 30
	704	29 4 30	95 9 30
	705	29 4 30	95 8 30
	706	29 4 30	95 7 30
	707	29 3 30	95 13 30
	708	29 3 30	95 12 30
	709	29 3 30	95 11 30
	710	29 3 30	95 10 30
	711	29 3 30	95 9 30
	713	29 2 30	95 15 30
	714	29 2 30	95 14 30
	715	29 2 30	95 13 30
	717	29 2 30	95 11 30
	718	29 2 30	95 10 30
	719	29 2 30	95 9 30
	720	29 1 30	95 15 30
	721	29 1 30	95 14 30
	722	29 1 30	95 13 30
	723	29 1 30	95 12 30
	724	29 1 30	95 11 30
	725	29 0 30	95 14 30
	726	29 0 30	95 13 30
	727	29 0 30	95 12 30
	728	28 59 30	95 15 30
	729	28 59 30	95 14 30
	731	29 46 30	95 3 30
	732	29 46 30	95 2 30
	733	29 45 30	95 3 30
	734	29 45 30	95 2 30
	735	29 44 30	95 3 30
	736	29 44 30	95 2 30
	737	29 44 30	95 1 30
	738	29 43 30	95 3 30
	739	29 43 30	95 2 30
	740	29 43 30	95 1 30
	741	29 42 30	95 3 30
	742	29 42 30	95 2 30
	743	29 46 30	95 4 30
	744	29 45 30	95 4 30
	745	29 44 30	95 4 30

Table B.1. (Cont'd.).

Bay	Grid	Latitude	Longitude
Galveston (Cont'd.)	746	29 35 30	94 25 30
	747	29 35 30	94 24 30
	748	29 35 30	94 23 30
	749	29 34 30	94 25 30
	750	29 34 30	94 24 30
	751	29 33 30	94 26 30
	752	29 33 30	94 25 30
Matagorda	1	28 48 30	96 36 30
	2	28 48 30	96 35 30
	3	28 47 30	96 36 30
	4	28 47 30	96 35 30
	5	28 47 30	96 34 30
	6	28 47 30	96 33 30
	7	28 46 30	96 35 30
	8	28 46 30	96 34 30
	9	28 46 30	96 33 30
	10	28 45 30	96 36 30
	11	28 45 30	96 34 30
	12	28 45 30	96 10 30
	13	28 44 30	96 40 30
	16	28 44 30	96 35 30
	17	28 44 30	96 34 30
	18	28 44 30	96 33 30
	19	28 44 30	96 27 30
	20	28 44 30	96 26 30
	21	28 44 30	96 25 30
	22	28 44 30	96 24 30
	23	28 44 30	96 23 30
	24	28 44 30	96 11 30
	25	28 44 30	96 10 30
	27	28 43 30	96 39 30
	28	28 43 30	96 38 30
	29	28 43 30	96 37 30
	30	28 43 30	96 36 30
	31	28 43 30	96 35 30
	32	28 43 30	96 34 30
	33	28 43 30	96 33 30
	34	28 43 30	96 26 30
	35	28 43 30	96 25 30
	36	28 43 30	96 24 30
	37	28 43 30	96 23 30
	38	28 43 30	96 16 30
	39	28 43 30	96 15 30
	43	28 42 30	96 39 30
	44	28 42 30	96 38 30
	45	28 42 30	96 37 30
	48	28 42 30	96 34 30

Table B.1. (Cont'd.).

Bay	Grid	Latitude	Longitude
Matagorda (Cont'd.)	50	28 42 30	96 26 30
	51	28 42 30	96 25 30
	52	28 42 30	96 24 30
	53	28 42 30	96 23 30
	55	28 42 30	96 16 30
	56	28 42 30	96 15 30
	57	28 42 30	96 12 30
	58	28 42 30	96 11 30
	60	28 41 30	96 39 30
	65	28 41 30	96 34 30
	66	28 41 30	96 33 30
	67	28 41 30	96 25 30
	68	28 41 30	96 24 30
	69	28 41 30	96 23 30
	70	28 41 30	96 17 30
	72	28 41 30	96 15 30
	73	28 41 30	96 14 30
	74	28 41 30	96 13 30
	75	28 41 30	96 12 30
	80	28 40 30	96 39 30
	81	28 40 30	96 38 30
	85	28 40 30	96 34 30
	87	28 40 30	96 25 30
	88	28 40 30	96 24 30
	89	28 40 30	96 23 30
	91	28 40 30	96 18 30
	92	28 40 30	96 17 30
	93	28 40 30	96 16 30
	94	28 40 30	96 15 30
	97	28 40 30	96 12 30
	99	28 40 30	96 3 30
	100	28 40 30	96 2 30
	102	28 40 30	96 0 30
	103	28 40 30	95 59 30
	104	28 40 30	95 58 30
	105	28 39 30	96 38 30
	106	28 39 30	96 37 30
	108	28 39 30	96 35 30
	109	28 39 30	96 34 30
	111	28 39 30	96 31 30
	112	28 39 30	96 30 30
	113	28 39 30	96 28 30
	114	28 39 30	96 27 30
	115	28 39 30	96 25 30
	116	28 39 30	96 24 30
	117	28 39 30	96 23 30
	118	28 39 30	96 22 30
	119	28 39 30	96 21 30

Table B.1. (Cont'd.).

Bay	Grid	Latitude	Longitude
Matagorda (Cont'd.)	120	28 39 30	96 18 30
	125	28 39 30	96 13 30
	126	28 39 30	96 12 30
	128	28 39 30	96 3 30
	129	28 39 30	96 2 30
	130	28 39 30	96 1 30
	131	28 39 30	96 0 30
	132	28 39 30	95 59 30
	133	28 39 30	95 58 30
	135	28 38 30	96 37 30
	136	28 38 30	96 36 30
	138	28 38 30	96 34 30
	139	28 38 30	96 33 30
	140	28 38 30	96 32 30
	141	28 38 30	96 31 30
	142	28 38 30	96 30 30
	143	28 38 30	96 29 30
	144	28 38 30	96 28 30
	145	28 38 30	96 27 30
	146	28 38 30	96 26 30
	147	28 38 30	96 25 30
	148	28 38 30	96 24 30
	149	28 38 30	96 23 30
	151	28 38 30	96 21 30
	152	28 38 30	96 20 30
	153	28 38 30	96 19 30
	154	28 38 30	96 18 30
	158	28 38 30	96 14 30
	159	28 38 30	96 13 30
	160	28 38 30	96 7 30
	161	28 38 30	96 6 30
	162	28 38 30	96 5 30
	163	28 38 30	96 4 30
	164	28 38 30	96 3 30
	165	28 38 30	96 2 30
	166	28 38 30	96 1 30
	167	28 38 30	96 0 30
	168	28 38 30	95 59 30
	169	28 38 30	95 58 30
	171	28 37 30	96 37 30
	172	28 37 30	96 36 30
	175	28 37 30	96 33 30
	178	28 37 30	96 30 30
	179	28 37 30	96 29 30
	180	28 37 30	96 28 30
	181	28 37 30	96 27 30
	182	28 37 30	96 26 30
	183	28 37 30	96 25 30

Table B.1. (Cont'd.).

Bay	Grid	Latitude	Longitude
Matagorda (Cont'd.)	184	28 37 30	96 24 30
	185	28 37 30	96 23 30
	186	28 37 30	96 22 30
	187	28 37 30	96 21 30
	188	28 37 30	96 20 30
	189	28 37 30	96 19 30
	195	28 37 30	96 13 30
	196	28 37 30	96 12 30
	197	28 37 30	96 11 30
	198	28 37 30	96 10 30
	199	28 37 30	96 9 30
	200	28 37 30	96 8 30
	201	28 37 30	96 7 30
	202	28 37 30	96 6 30
	203	28 37 30	96 5 30
	204	28 37 30	96 4 30
	209	28 37 30	95 59 30
	210	28 37 30	95 58 30
	211	28 36 30	96 37 30
	212	28 36 30	96 36 30
	215	28 36 30	96 33 30
	218	28 36 30	96 30 30
	219	28 36 30	96 29 30
	220	28 36 30	96 28 30
	222	28 36 30	96 26 30
	223	28 36 30	96 25 30
	224	28 36 30	96 24 30
	225	28 36 30	96 23 30
	226	28 36 30	96 22 30
	234	28 36 30	96 14 30
	235	28 36 30	96 13 30
	236	28 36 30	96 12 30
	237	28 36 30	96 11 30
	238	28 36 30	96 10 30
	239	28 36 30	96 9 30
	240	28 36 30	96 8 30
	241	28 36 30	96 7 30
	248	28 36 30	96 0 30
	249	28 36 30	95 59 30
	250	28 36 30	95 58 30
	251	28 35 30	96 37 30
	252	28 35 30	96 36 30
	253	28 35 30	96 35 30
	254	28 35 30	96 34 30
	255	28 35 30	96 33 30
	256	28 35 30	96 32 30
	259	28 35 30	96 29 30
	260	28 35 30	96 28 30

Table B.1. (Cont'd.).

Bay	Grid	Latitude	Longitude
Matagorda (Cont'd.)	261	28 35 30	96 27 30
	262	28 35 30	96 26 30
	263	28 35 30	96 25 30
	274	28 35 30	96 14 30
	275	28 35 30	96 13 30
	276	28 35 30	96 12 30
	277	28 35 30	96 11 30
	278	28 35 30	96 10 30
	286	28 35 30	96 2 30
	287	28 35 30	96 1 30
	288	28 35 30	96 0 30
	289	28 35 30	95 59 30
	290	28 35 30	95 58 30
	291	28 34 30	96 39 30
	292	28 34 30	96 38 30
	293	28 34 30	96 37 30
	294	28 34 30	96 36 30
	295	28 34 30	96 35 30
	296	28 34 30	96 34 30
	297	28 34 30	96 33 30
	298	28 34 30	96 32 30
	299	28 34 30	96 31 30
	301	28 34 30	96 29 30
	302	28 34 30	96 28 30
	303	28 34 30	96 27 30
	317	28 34 30	96 13 30
	318	28 34 30	96 12 30
	325	28 34 30	96 5 30
	326	28 34 30	96 4 30
	327	28 34 30	96 3 30
	328	28 34 30	96 2 30
	329	28 34 30	96 1 30
	330	28 33 30	96 33 30
	331	28 33 30	96 32 30
	332	28 33 30	96 31 30
	333	28 33 30	96 30 30
	334	28 33 30	96 29 30
	356	28 33 30	96 7 30
	357	28 33 30	96 6 30
	358	28 33 30	96 5 30
	359	28 33 30	96 4 30
	360	28 33 30	96 3 30
	363	28 32 30	96 31 30
	364	28 32 30	96 30 30
	365	28 32 30	96 29 30
	366	28 32 30	96 28 30
	385	28 32 30	96 9 30
	386	28 32 30	96 8 30
	387	28 32 30	96 7 30

Table B.1. (Cont'd.).

Bay	Grid	Latitude	Longitude
Matagorda (Cont'd.)	388	28 32 30	96 6 30
	389	28 31 30	96 30 30
	390	28 31 30	96 29 30
	407	28 31 30	96 12 30
	408	28 31 30	96 11 30
	409	28 31 30	96 10 30
	410	28 31 30	96 9 30
	411	28 30 30	96 31 30
	412	28 30 30	96 30 30
	413	28 30 30	96 29 30
	414	28 30 30	96 28 30
	415	28 30 30	96 27 30
	428	28 30 30	96 14 30
	429	28 30 30	96 13 30
	430	28 30 30	96 12 30
	431	28 30 30	96 11 30
	432	28 30 30	96 10 30
	433	28 29 30	96 32 30
	434	28 29 30	96 31 30
	435	28 29 30	96 30 30
	436	28 29 30	96 29 30
	437	28 29 30	96 27 30
	438	28 29 30	96 26 30
	449	28 29 30	96 15 30
	450	28 29 30	96 14 30
	451	28 29 30	96 13 30
	452	28 29 30	96 12 30
	453	28 28 30	96 32 30
	454	28 28 30	96 31 30
	455	28 28 30	96 30 30
	457	28 28 30	96 26 30
	458	28 28 30	96 25 30
	466	28 28 30	96 17 30
	467	28 28 30	96 16 30
	468	28 28 30	96 15 30
	469	28 27 30	96 25 30
	470	28 27 30	96 24 30
	473	28 27 30	96 21 30
	474	28 27 30	96 20 30
	476	28 27 30	96 18 30
	477	28 27 30	96 17 30
	478	28 26 30	96 24 30
	479	28 26 30	96 23 30
	482	28 26 30	96 20 30
	483	28 26 30	96 19 30
	484	28 26 30	96 18 30
	485	28 25 30	96 24 30
	486	28 25 30	96 23 30
	488	28 25 30	96 21 30

Table B.1. (Cont'd.).

Bay	Grid	Latitude	Longitude
Matagorda (Cont'd.)	489	28 25 30	96 20 30
	491	28 24 30	96 24 30
	493	28 24 30	96 22 30
	494	28 24 30	96 21 30
	495	28 23 30	96 24 30
	496	28 23 30	96 23 30
	497	28 23 30	96 22 30
	498	28 22 30	96 24 30
	499	28 22 30	96 23 30
	500	28 21 30	96 24 30
	501	28 21 30	96 23 30
	502	28 46 30	96 26 30
	504	28 46 30	96 8 30
	506	28 45 30	96 27 30
	507	28 45 30	96 26 30
	508	28 45 30	96 9 30
	509	28 45 30	96 8 30
	511	28 44 30	96 40 30
	514	28 40 30	96 28 30
	515	28 40 30	96 27 30
	516	28 35 30	96 38 30
	517	28 29 30	96 33 30
	522	28 28 30	96 34 30
	523	28 28 30	96 33 30
	527	28 27 30	96 34 30
	528	28 27 30	96 33 30
San Antonio	11	28 27 30	96 47 30
	12	28 27 30	96 46 30
	18	28 26 30	96 46 30
	19	28 26 30	96 45 30
	21	28 25 30	96 51 30
	22	28 25 30	96 50 30
	23	28 25 30	96 49 30
	24	28 25 30	96 48 30
	26	28 25 30	96 46 30
	27	28 25 30	96 45 30
	28	28 25 30	96 44 30
	29	28 24 30	96 51 30
	30	28 24 30	96 50 30
	32	28 24 30	96 48 30
	33	28 24 30	96 47 30
	34	28 24 30	96 46 30
	35	28 24 30	96 45 30
	36	28 24 30	96 44 30
	37	28 24 30	96 43 30
	38	28 24 30	96 42 30
	39	28 23 30	96 50 30

Table B.1. (Cont'd.).

Bay	Grid	Latitude	Longitude
San Antonio (Cont'd.)	40	28 23 30	96 49 30
	42	28 23 30	96 47 30
	43	28 23 30	96 46 30
	45	28 23 30	96 44 30
	46	28 23 30	96 43 30
	47	28 23 30	96 42 30
	49	28 22 30	96 49 30
	50	28 22 30	96 48 30
	56	28 22 30	96 42 30
	57	28 22 30	96 41 30
	58	28 21 30	96 48 30
	59	28 21 30	96 47 30
	64	28 21 30	96 42 30
	65	28 21 30	96 41 30
	67	28 20 30	96 47 30
	68	28 20 30	96 46 30
	72	28 20 30	96 42 30
	73	28 20 30	96 41 30
	76	28 20 30	96 38 30
	78	28 19 30	96 47 30
	84	28 19 30	96 41 30
	85	28 19 30	96 40 30
	86	28 19 30	96 39 30
	87	28 19 30	96 38 30
	88	28 18 30	96 48 30
	89	28 18 30	96 47 30
	95	28 18 30	96 41 30
	96	28 18 30	96 40 30
	97	28 18 30	96 39 30
	99	28 18 30	96 37 30
	100	28 17 30	96 48 30
	101	28 17 30	96 47 30
	107	28 17 30	96 41 30
	111	28 17 30	96 37 30
	112	28 17 30	96 36 30
	113	28 17 30	96 35 30
	114	28 17 30	96 34 30
	118	28 16 30	96 48 30
	119	28 16 30	96 47 30
	120	28 16 30	96 46 30
	129	28 16 30	96 37 30
	130	28 16 30	96 36 30
	131	28 16 30	96 35 30
	135	28 15 30	96 47 30
	143	28 15 30	96 39 30
	144	28 15 30	96 38 30
	145	28 15 30	96 37 30
	146	28 15 30	96 36 30

Table B.1. (Cont'd.).

Bay	Grid	Latitude	Longitude
San Antonio (Cont'd.)	151	28 14 30	96 47 30
	152	28 14 30	96 46 30
	159	28 14 30	96 39 30
	164	28 13 30	96 48 30
	165	28 13 30	96 47 30
	166	28 13 30	96 46 30
	170	28 13 30	96 42 30
	171	28 13 30	96 41 30
	172	28 13 30	96 40 30
	173	28 13 30	96 39 30
	176	28 12 30	96 49 30
	177	28 12 30	96 48 30
	178	28 12 30	96 47 30
	183	28 12 30	96 42 30
	184	28 12 30	96 41 30
	186	28 11 30	96 50 30
	187	28 11 30	96 49 30
	188	28 11 30	96 48 30
	189	28 11 30	96 47 30
	190	28 11 30	96 46 30
	191	28 11 30	96 45 30
	192	28 11 30	96 44 30
	193	28 11 30	96 43 30
	194	28 11 30	96 42 30
	196	28 10 30	96 50 30
	197	28 10 30	96 49 30
	198	28 10 30	96 48 30
	208	28 26 30	96 25 30
	209	28 26 30	96 24 30
	210	28 25 30	96 27 30
	211	28 25 30	96 26 30
	212	28 25 30	96 25 30
	213	28 25 30	96 24 30
	214	28 24 30	96 30 30
	215	28 24 30	96 29 30
	216	28 24 30	96 28 30
	217	28 24 30	96 27 30
	218	28 24 30	96 26 30
	219	28 24 30	96 25 30
	220	28 24 30	96 24 30
	221	28 23 30	96 32 30
	222	28 23 30	96 31 30
	223	28 23 30	96 30 30
	224	28 23 30	96 29 30
	225	28 23 30	96 28 30
	226	28 23 30	96 27 30
	227	28 23 30	96 26 30
	228	28 23 30	96 25 30

Table B.1. (Cont'd.).

Bay	Grid	Latitude	Longitude
San Antonio (Cont'd.)	229	28 23 30	96 24 30
	230	28 22 30	96 34 30
	231	28 22 30	96 33 30
	232	28 22 30	96 32 30
	233	28 22 30	96 31 30
	234	28 22 30	96 30 30
	236	28 22 30	96 28 30
	237	28 22 30	96 27 30
	238	28 22 30	96 26 30
	239	28 22 30	96 25 30
	240	28 22 30	96 24 30
	244	28 21 30	96 36 30
	245	28 21 30	96 35 30
	246	28 21 30	96 34 30
	247	28 21 30	96 33 30
	252	28 21 30	96 28 30
	253	28 21 30	96 27 30
	254	28 21 30	96 26 30
	255	28 21 30	96 25 30
	256	28 21 30	96 24 30
	257	28 20 30	96 37 30
	258	28 20 30	96 36 30
	259	28 20 30	96 35 30
	267	28 20 30	96 27 30
	268	28 20 30	96 26 30
	269	28 20 30	96 25 30
	270	28 19 30	96 37 30
	271	28 19 30	96 36 30
	275	28 19 30	96 32 30
	276	28 19 30	96 31 30
	277	28 19 30	96 30 30
	278	28 19 30	96 29 30
	279	28 19 30	96 28 30
	280	28 19 30	96 27 30
	281	28 18 30	96 36 30
	282	28 18 30	96 35 30
	283	28 18 30	96 34 30
	284	28 18 30	96 33 30
	285	28 18 30	96 32 30
	286	28 18 30	96 31 30
	287	28 18 30	96 30 30
	288	28 18 30	96 29 30
Aransas	6	28 15 30	96 55 30
	8	28 14 30	96 57 30
	9	28 14 30	96 56 30
	10	28 14 30	96 55 30
	11	28 13 30	96 59 30

Table B.1. (Cont'd.).

Bay	Grid	Latitude	Longitude
Aransas (Cont'd.)	12	28 13 30	96 58 30
	13	28 13 30	96 57 30
	14	28 13 30	96 56 30
	18	28 12 30	97 2 30
	19	28 12 30	97 1 30
	20	28 12 30	97 0 30
	21	28 12 30	96 59 30
	22	28 12 30	96 58 30
	23	28 12 30	96 57 30
	24	28 12 30	96 56 30
	25	28 12 30	96 55 30
	30	28 11 30	97 2 30
	31	28 11 30	97 1 30
	32	28 11 30	97 0 30
	33	28 11 30	96 57 30
	34	28 11 30	96 56 30
	35	28 11 30	96 55 30
	37	28 11 30	96 51 30
	38	28 11 30	96 50 30
	39	28 10 30	97 11 30
	40	28 10 30	97 10 30
	41	28 10 30	97 9 30
	42	28 10 30	97 8 30
	43	28 10 30	97 5 30
	44	28 10 30	97 4 30
	45	28 10 30	97 3 30
	47	28 10 30	97 1 30
	49	28 10 30	96 58 30
	50	28 10 30	96 57 30
	51	28 10 30	96 56 30
	54	28 10 30	96 52 30
	55	28 10 30	96 51 30
	56	28 10 30	96 50 30
	60	28 9 30	97 11 30
	61	28 9 30	97 10 30
	63	28 9 30	97 8 30
	64	28 9 30	97 7 30
	65	28 9 30	97 6 30
	66	28 9 30	97 5 30
	70	28 9 30	97 1 30
	71	28 9 30	97 0 30
	72	28 9 30	96 58 30
	73	28 9 30	96 57 30
	74	28 9 30	96 56 30
	76	28 9 30	96 53 30
	77	28 9 30	96 52 30
	80	28 9 30	96 49 30
	81	28 9 30	96 48 30

Table B.1. (Cont'd.).

Bay	Grid	Latitude	Longitude
Aransas (Cont'd.)	84	28 8 30	97 11 30
	85	28 8 30	97 10 30
	86	28 8 30	97 9 30
	87	28 8 30	97 8 30
	88	28 8 30	97 7 30
	94	28 8 30	97 1 30
	95	28 8 30	97 0 30
	96	28 8 30	96 59 30
	97	28 8 30	96 58 30
	98	28 8 30	96 57 30
	99	28 8 30	96 56 30
	100	28 8 30	96 55 30
	101	28 8 30	96 54 30
	102	28 8 30	96 53 30
	103	28 8 30	96 52 30
	106	28 8 30	96 49 30
	107	28 8 30	96 48 30
	111	28 7 30	97 10 30
	112	28 7 30	97 9 30
	118	28 7 30	97 3 30
	119	28 7 30	97 2 30
	121	28 7 30	97 0 30
	122	28 7 30	96 59 30
	123	28 7 30	96 58 30
	124	28 7 30	96 57 30
	125	28 7 30	96 56 30
	126	28 7 30	96 55 30
	127	28 7 30	96 54 30
	128	28 7 30	96 53 30
	129	28 7 30	96 52 30
	130	28 7 30	96 51 30
	132	28 7 30	96 49 30
	133	28 7 30	96 48 30
	135	28 6 30	97 12 30
	136	28 6 30	97 11 30
	137	28 6 30	97 10 30
	144	28 6 30	97 3 30
	145	28 6 30	97 2 30
	146	28 6 30	97 1 30
	151	28 6 30	96 56 30
	152	28 6 30	96 55 30
	153	28 6 30	96 54 30
	154	28 6 30	96 53 30
	155	28 6 30	96 52 30
	156	28 6 30	96 51 30
	157	28 6 30	96 50 30
	158	28 6 30	96 49 30
	159	28 5 30	97 13 30

Table B.1. (Cont'd.).

Bay	Grid	Latitude	Longitude
Aransas (Cont'd.)	160	28 5 30	97 12 30
	168	28 5 30	97 4 30
	169	28 5 30	97 3 30
	170	28 5 30	97 2 30
	171	28 5 30	97 1 30
	177	28 5 30	96 55 30
	178	28 5 30	96 54 30
	182	28 5 30	96 50 30
	183	28 4 30	97 15 30
	184	28 4 30	97 14 30
	185	28 4 30	97 13 30
	186	28 4 30	97 12 30
	187	28 4 30	97 11 30
	192	28 4 30	97 6 30
	193	28 4 30	97 5 30
	194	28 4 30	97 4 30
	195	28 4 30	97 2 30
	200	28 4 30	96 57 30
	202	28 4 30	96 55 30
	205	28 4 30	96 52 30
	206	28 4 30	96 51 30
	207	28 4 30	96 50 30
	208	28 3 30	97 14 30
	209	28 3 30	97 13 30
	210	28 3 30	97 12 30
	211	28 3 30	97 11 30
	212	28 3 30	97 10 30
	213	28 3 30	97 9 30
	214	28 3 30	97 8 30
	215	28 3 30	97 7 30
	216	28 3 30	97 6 30
	217	28 3 30	97 5 30
	219	28 3 30	97 2 30
	220	28 3 30	97 1 30
	224	28 3 30	96 57 30
	225	28 3 30	96 56 30
	226	28 3 30	96 55 30
	229	28 3 30	96 52 30
	230	28 3 30	96 51 30
	231	28 2 30	97 10 30
	232	28 2 30	97 9 30
	233	28 2 30	97 8 30
	234	28 2 30	97 7 30
	236	28 2 30	97 2 30
	237	28 2 30	97 1 30
	241	28 2 30	96 57 30
	242	28 2 30	96 56 30
	246	28 1 30	97 9 30

Table B.1. (Cont'd.).

Bay	Grid	Latitude	Longitude
Aransas (Cont'd.)	247	28 1 30	97 8 30
	248	28 1 30	97 7 30
	249	28 1 30	97 3 30
	250	28 1 30	97 2 30
	251	28 1 30	97 1 30
	254	28 1 30	96 58 30
	255	28 1 30	96 57 30
	260	28 0 30	97 9 30
	261	28 0 30	97 8 30
	262	28 0 30	97 3 30
	267	28 0 30	96 58 30
	271	27 59 30	97 10 30
	272	27 59 30	97 9 30
	273	27 59 30	97 8 30
	274	27 59 30	97 4 30
	275	27 59 30	97 3 30
	279	27 59 30	96 59 30
	280	27 59 30	96 58 30
	282	27 58 30	97 11 30
	283	27 58 30	97 10 30
	284	27 58 30	97 5 30
	285	27 58 30	97 4 30
	290	27 58 30	96 59 30
	291	27 58 30	96 58 30
	294	27 57 30	97 5 30
	295	27 57 30	97 4 30
	300	27 57 30	96 59 30
	301	27 57 30	96 58 30
	302	27 56 30	97 6 30
	303	27 56 30	97 5 30
	304	27 56 30	97 4 30
	306	27 56 30	97 2 30
	307	27 56 30	97 1 30
	308	27 56 30	97 0 30
	309	27 56 30	96 59 30
	310	27 55 30	97 7 30
	311	27 55 30	97 6 30
	312	27 55 30	97 5 30
	313	27 55 30	97 4 30
	315	27 55 30	97 2 30
	316	27 55 30	97 1 30
	317	27 55 30	97 0 30
	319	27 54 30	97 7 30
	320	27 54 30	97 6 30
	321	27 54 30	97 5 30
	322	27 54 30	97 4 30
	323	27 54 30	97 3 30
	325	27 54 30	97 1 30
	327	27 53 30	97 8 30

Table B.1. (Cont'd.).

Bay	Grid	Latitude	Longitude
Aransas (Cont'd.)	328	27 53 30	97 7 30
	329	27 53 30	97 6 30
	330	27 53 30	97 5 30
	331	27 53 30	97 4 30
	332	27 53 30	97 3 30
	333	27 53 30	97 2 30
	336	27 52 30	97 6 30
	337	27 52 30	97 5 30
	338	27 52 30	97 4 30
	339	27 52 30	97 3 30
	340	27 52 30	97 2 30
	342	27 51 30	97 4 30
	343	27 51 30	97 3 30
	344	27 51 30	97 2 30
	345	27 50 30	97 3 30
Corpus Christi	4	27 53 30	97 20 30
	6	27 52 30	97 30 30
	7	27 52 30	97 29 30
	10	27 52 30	97 26 30
	12	27 52 30	97 24 30
	13	27 52 30	97 23 30
	14	27 52 30	97 22 30
	15	27 52 30	97 21 30
	16	27 52 30	97 20 30
	19	27 51 30	97 29 30
	20	27 51 30	97 28 30
	21	27 51 30	97 27 30
	27	27 51 30	97 21 30
	30	27 50 30	97 29 30
	35	27 50 30	97 24 30
	36	27 50 30	97 23 30
	37	27 50 30	97 22 30
	40	27 49 30	97 29 30
	41	27 49 30	97 28 30
	42	27 49 30	97 27 30
	43	27 49 30	97 26 30
	44	27 49 30	97 25 30
	45	27 49 30	97 24 30
	46	27 49 30	97 23 30
	54	27 53 30	97 8 30
	55	27 53 30	97 7 30
	56	27 53 30	97 6 30
	57	27 52 30	97 19 30
	58	27 52 30	97 18 30
	59	27 52 30	97 17 30
	60	27 52 30	97 16 30
	61	27 52 30	97 15 30

Table B.1. (Cont'd.).

Bay	Grid	Latitude	Longitude
Corpus Christi (Cont'd.)	62	27 52 30	97 14 30
	63	27 52 30	97 9 30
	64	27 52 30	97 8 30
	65	27 52 30	97 7 30
	66	27 52 30	97 6 30
	67	27 52 30	97 5 30
	68	27 51 30	97 20 30
	69	27 51 30	97 19 30
	73	27 51 30	97 15 30
	74	27 51 30	97 14 30
	76	27 51 30	97 10 30
	77	27 51 30	97 9 30
	78	27 51 30	97 8 30
	79	27 51 30	97 7 30
	80	27 51 30	97 6 30
	81	27 51 30	97 5 30
	82	27 51 30	97 4 30
	83	27 50 30	97 21 30
	90	27 50 30	97 14 30
	91	27 50 30	97 13 30
	92	27 50 30	97 10 30
	93	27 50 30	97 9 30
	94	27 50 30	97 8 30
	95	27 50 30	97 7 30
	96	27 50 30	97 6 30
	97	27 50 30	97 5 30
	98	27 50 30	97 4 30
	99	27 50 30	97 3 30
	100	27 50 30	97 2 30
	101	27 49 30	97 22 30
	109	27 49 30	97 14 30
	110	27 49 30	97 13 30
	111	27 49 30	97 12 30
	112	27 49 30	97 11 30
	113	27 49 30	97 10 30
	114	27 49 30	97 9 30
	115	27 49 30	97 8 30
	116	27 49 30	97 7 30
	117	27 49 30	97 6 30
	120	27 48 30	97 23 30
	130	27 48 30	97 13 30
	131	27 48 30	97 12 30
	132	27 48 30	97 11 30
	133	27 48 30	97 10 30
	134	27 48 30	97 9 30
	135	27 48 30	97 8 30
	136	27 48 30	97 7 30
	137	27 48 30	97 6 30
	138	27 48 30	97 5 30

Table B.1. (Cont'd.).

Bay	Grid	Latitude	Longitude
Corpus Christi (Cont'd.)	156	27 47 30	97 7 30
	157	27 47 30	97 6 30
	173	27 46 30	97 9 30
	174	27 46 30	97 8 30
	175	27 46 30	97 7 30
	176	27 46 30	97 6 30
	178	27 45 30	97 22 30
	190	27 45 30	97 10 30
	191	27 45 30	97 9 30
	192	27 45 30	97 8 30
	207	27 44 30	97 9 30
	208	27 44 30	97 8 30
	221	27 43 30	97 10 30
	222	27 43 30	97 9 30
	224	27 42 30	97 20 30
	225	27 42 30	97 19 30
	226	27 42 30	97 18 30
	234	27 42 30	97 10 30
	235	27 41 30	97 19 30
	236	27 41 30	97 18 30
	238	27 41 30	97 15 30
	239	27 41 30	97 14 30
	242	27 41 30	97 11 30
	243	27 41 30	97 10 30
	244	27 40 30	97 21 30
	245	27 40 30	97 20 30
	246	27 40 30	97 19 30
	247	27 40 30	97 18 30
	248	27 40 30	97 17 30
	249	27 40 30	97 10 30
	252	27 39 30	97 20 30
	253	27 39 30	97 19 30
	254	27 39 30	97 18 30
	255	27 38 30	97 20 30
Upper Laguna Madre	1	27 41 30	97 15 30
	2	27 41 30	97 14 30
	5	27 41 30	97 11 30
	6	27 40 30	97 16 30
	7	27 40 30	97 15 30
	8	27 40 30	97 14 30
	9	27 40 30	97 13 30
	10	27 40 30	97 12 30
	11	27 40 30	97 11 30
	12	27 39 30	97 16 30
	13	27 39 30	97 15 30
	14	27 39 30	97 14 30
	15	27 39 30	97 13 30
	17	27 39 30	97 11 30

Table B.1. (Cont'd.).

Bay	Grid	Latitude	Longitude
Upper Laguna Madre (Cont'd.)	18	27 38 30	97 17 30
	19	27 38 30	97 16 30
	20	27 38 30	97 15 30
	21	27 38 30	97 14 30
	22	27 38 30	97 13 30
	25	27 37 30	97 17 30
	26	27 37 30	97 16 30
	27	27 37 30	97 15 30
	28	27 37 30	97 14 30
	29	27 37 30	97 13 30
	30	27 37 30	97 12 30
	33	27 36 30	97 17 30
	34	27 36 30	97 16 30
	35	27 36 30	97 15 30
	38	27 36 30	97 12 30
	39	27 35 30	97 18 30
	40	27 35 30	97 17 30
	41	27 35 30	97 16 30
	42	27 35 30	97 15 30
	43	27 35 30	97 14 30
	45	27 34 30	97 19 30
	46	27 34 30	97 18 30
	48	27 34 30	97 16 30
	49	27 34 30	97 15 30
	50	27 34 30	97 14 30
	51	27 33 30	97 19 30
	53	27 33 30	97 17 30
	54	27 33 30	97 16 30
	55	27 33 30	97 15 30
	56	27 32 30	97 20 30
	57	27 32 30	97 19 30
	59	27 32 30	97 17 30
	60	27 32 30	97 16 30
	61	27 31 30	97 20 30
	63	27 31 30	97 18 30
	64	27 31 30	97 17 30
	65	27 31 30	97 16 30
	66	27 30 30	97 20 30
	68	27 30 30	97 18 30
	69	27 30 30	97 17 30
	70	27 29 30	97 21 30
	71	27 29 30	97 20 30
	72	27 29 30	97 19 30
	73	27 29 30	97 18 30
	74	27 29 30	97 17 30
	75	27 28 30	97 21 30
	76	27 28 30	97 20 30
	77	27 28 30	97 19 30

Table B.1. (Cont'd.).

Bay	Grid	Latitude	Longitude
Upper Laguna Madre (Cont'd.)	78	27 28 30	97 18 30
	79	27 27 30	97 21 30
	81	27 27 30	97 19 30
	82	27 27 30	97 18 30
	83	27 26 30	97 22 30
	84	27 26 30	97 21 30
	85	27 26 30	97 20 30
	86	27 26 30	97 19 30
	87	27 25 30	97 22 30
	89	27 25 30	97 20 30
	90	27 25 30	97 19 30
	91	27 24 30	97 22 30
	92	27 24 30	97 21 30
	93	27 24 30	97 20 30
	94	27 24 30	97 19 30
	95	27 23 30	97 22 30
	96	27 23 30	97 21 30
	97	27 23 30	97 20 30
	98	27 22 30	97 23 30
	99	27 22 30	97 22 30
	100	27 22 30	97 21 30
	101	27 22 30	97 20 30
	102	27 21 30	97 23 30
	103	27 21 30	97 22 30
	104	27 21 30	97 21 30
	105	27 20 30	97 24 30
	106	27 20 30	97 23 30
	107	27 20 30	97 22 30
	109	27 19 30	97 25 30
	110	27 19 30	97 24 30
	111	27 19 30	97 23 30
	114	27 24 30	97 29 30
	115	27 24 30	97 28 30
	116	27 23 30	97 29 30
	117	27 23 30	97 28 30
	118	27 22 30	97 42 30
	120	27 22 30	97 40 30
	122	27 22 30	97 29 30
	123	27 22 30	97 28 30
	124	27 21 30	97 42 30
	125	27 21 30	97 41 30
	126	27 21 30	97 40 30
	127	27 21 30	97 39 30
	128	27 21 30	97 30 30
	129	27 21 30	97 29 30
	130	27 21 30	97 28 30
	131	27 20 30	97 41 30
	132	27 20 30	97 40 30

Table B.1. (Cont'd.).

Bay	Grid	Latitude	Longitude
Upper Laguna Madre (Cont'd.)	133	27 20 30	97 39 30
	134	27 20 30	97 32 30
	135	27 20 30	97 31 30
	137	27 20 30	97 29 30
	138	27 20 30	97 28 30
	140	27 19 30	97 41 30
	141	27 19 30	97 40 30
	142	27 19 30	97 39 30
	143	27 19 30	97 38 30
	144	27 19 30	97 37 30
	146	27 19 30	97 34 30
	147	27 19 30	97 33 30
	148	27 19 30	97 32 30
	150	27 19 30	97 30 30
	151	27 19 30	97 29 30
	154	27 18 30	97 40 30
	155	27 18 30	97 39 30
	156	27 18 30	97 38 30
	157	27 18 30	97 37 30
	158	27 18 30	97 36 30
	159	27 18 30	97 35 30
	160	27 18 30	97 34 30
	163	27 18 30	97 31 30
	164	27 18 30	97 30 30
	165	27 18 30	97 29 30
	166	27 18 30	97 28 30
	167	27 18 30	97 27 30
	168	27 18 30	97 26 30
	169	27 18 30	97 25 30
	170	27 18 30	97 24 30
	171	27 18 30	97 23 30
	174	27 17 30	97 41 30
	175	27 17 30	97 40 30
	176	27 17 30	97 39 30
	177	27 17 30	97 38 30
	178	27 17 30	97 37 30
	179	27 17 30	97 36 30
	180	27 17 30	97 35 30
	183	27 17 30	97 32 30
	184	27 17 30	97 31 30
	185	27 17 30	97 29 30
	186	27 17 30	97 28 30
	190	27 17 30	97 24 30
	194	27 16 30	97 44 30
	195	27 16 30	97 43 30
	196	27 16 30	97 42 30
	197	27 16 30	97 41 30
	198	27 16 30	97 40 30
	199	27 16 30	97 39 30

Table B.1. (Cont'd.).

Bay	Grid	Latitude	Longitude
Upper Laguna Madre (Cont'd.)	200	27 16 30	97 38 30
	206	27 16 30	97 32 30
	207	27 16 30	97 31 30
	208	27 16 30	97 30 30
	209	27 16 30	97 29 30
	218	27 15 30	97 44 30
	219	27 15 30	97 43 30
	220	27 15 30	97 42 30
	221	27 15 30	97 38 30
	230	27 15 30	97 29 30
	231	27 15 30	97 28 30
	232	27 15 30	97 27 30
	233	27 15 30	97 26 30
	234	27 15 30	97 25 30
	238	27 14 30	97 38 30
	239	27 14 30	97 37 30
	240	27 14 30	97 36 30
	241	27 14 30	97 35 30
	242	27 14 30	97 34 30
	243	27 14 30	97 33 30
	246	27 14 30	97 30 30
	247	27 14 30	97 29 30
	249	27 13 30	97 33 30
	250	27 13 30	97 32 30
	251	27 13 30	97 31 30
	252	27 13 30	97 30 30
	262	27 12 30	97 25 30
	264	27 12 30	97 23 30
	267	27 11 30	97 25 30
	272	27 10 30	97 25 30
	273	27 10 30	97 24 30
	275	27 9 30	97 26 30
	276	27 9 30	97 25 30
	279	27 8 30	97 26 30
	282	27 7 30	97 26 30
	285	27 6 30	97 26 30
	289	27 5 30	97 26 30
	293	27 4 30	97 26 30
	297	27 3 30	97 26 30
	300	27 2 30	97 26 30
	303	27 1 30	97 26 30
	306	27 0 30	97 26 30
	309	26 59 30	97 27 30
	310	26 59 30	97 26 30
	313	26 58 30	97 27 30
	319	26 57 30	97 27 30
	322	26 56 30	97 27 30
	325	26 55 30	97 27 30

Table B.1. (Cont'd.).

Bay	Grid	Latitude	Longitude
Upper Laguna Madre (Cont'd.)	327	26 54 30	97 27 30
	329	26 53 30	97 27 30
	330	26 52 30	97 27 30
	334	26 51 30	97 27 30
	338	26 50 30	97 28 30
	339	26 50 30	97 27 30
	340	26 49 30	97 28 30
	344	26 48 30	97 28 30
	345	27 21 30	97 31 30
Lower Laguna Madre	2	26 48 30	97 29 30
	3	26 48 30	97 28 30
	6	26 47 30	97 28 30
	7	26 47 30	97 27 30
	10	26 46 30	97 28 30
	11	26 46 30	97 27 30
	15	26 45 30	97 28 30
	16	26 45 30	97 27 30
	20	26 44 30	97 28 30
	21	26 44 30	97 27 30
	25	26 43 30	97 28 30
	26	26 43 30	97 27 30
	27	26 43 30	97 26 30
	31	26 42 30	97 28 30
	32	26 42 30	97 27 30
	37	26 41 30	97 27 30
	42	26 40 30	97 27 30
	47	26 39 30	97 27 30
	53	26 38 30	97 27 30
	54	26 38 30	97 26 30
	60	26 37 30	97 26 30
	66	26 36 30	97 26 30
	73	26 35 30	97 26 30
	74	26 35 30	97 25 30
	80	26 34 30	97 25 30
	87	26 33 30	97 25 30
	88	26 33 30	97 24 30
	89	26 33 30	97 23 30
	90	26 33 30	97 22 30
	97	26 32 30	97 25 30
	98	26 32 30	97 24 30
	104	26 31 30	97 25 30
	105	26 31 30	97 24 30
	107	26 31 30	97 22 30
	112	26 30 30	97 24 30
	113	26 30 30	97 23 30
	119	26 29 30	97 24 30
	120	26 29 30	97 23 30
	129	26 28 30	97 22 30

Table B.1. (Cont'd.).

Bay	Grid	Latitude	Longitude
Lower Laguna Madre (Cont'd.)	137	26 27 30	97 22 30
	146	26 26 30	97 21 30
	154	26 25 30	97 21 30
	162	26 24 30	97 20 30
	168	26 23 30	97 20 30
	169	26 23 30	97 19 30
	177	26 22 30	97 20 30
	178	26 22 30	97 19 30
	182	26 21 30	97 26 30
	183	26 21 30	97 25 30
	186	26 21 30	97 21 30
	187	26 21 30	97 20 30
	188	26 21 30	97 19 30
	189	26 21 30	97 18 30
	192	26 20 30	97 26 30
	198	26 20 30	97 19 30
	199	26 20 30	97 18 30
	207	26 19 30	97 18 30
	217	26 18 30	97 18 30
	218	26 18 30	97 17 30
	224	26 17 30	97 18 30
	225	26 17 30	97 17 30
	234	26 16 30	97 17 30
	235	26 16 30	97 16 30
	242	26 15 30	97 17 30
	243	26 15 30	97 16 30
	252	26 14 30	97 16 30
	261	26 13 30	97 16 30
	270	26 12 30	97 15 30
	274	26 12 30	97 11 30
	277	26 11 30	97 15 30
	281	26 11 30	97 11 30
	282	26 10 30	97 18 30
	283	26 10 30	97 17 30
	289	26 10 30	97 11 30
	290	26 10 30	97 10 30
	292	26 9 30	97 17 30
	299	26 9 30	97 10 30
	300	26 8 30	97 17 30
	301	26 8 30	97 16 30
	303	26 8 30	97 14 30
	304	26 8 30	97 13 30
	307	26 8 30	97 10 30
	309	26 7 30	97 17 30
	310	26 7 30	97 16 30
	313	26 7 30	97 13 30
	316	26 7 30	97 10 30
	318	26 6 30	97 17 30

Table B.1. (Cont'd.).

Bay	Grid	Latitude	Longitude
Lower Laguna Madre (Cont'd.)	319	26 6 30	97 16 30
	322	26 6 30	97 13 30
	323	26 6 30	97 12 30
	325	26 6 30	97 10 30
	328	26 5 30	97 17 30
	29	26 5 30	97 16 30
	330	26 5 30	97 15 30
	333	26 5 30	97 12 30
	335	26 5 30	97 10 30
	344	26 4 30	97 14 30
	345	26 4 30	97 13 30
	347	26 4 30	97 11 30
	348	26 4 30	97 10 30
	349	26 4 30	97 9 30
	360	26 3 30	97 11 30
	361	26 3 30	97 10 30
	362	26 3 30	97 9 30
	373	26 2 30	97 11 30
	374	26 2 30	97 10 30
	385	26 1 30	97 11 30
	386	26 1 30	97 10 30
East Matagorda	1	28 49 30	95 48 30
	2	28 49 30	95 47 30
	3	28 48 30	95 49 30
	4	28 48 30	95 48 30
	5	28 48 30	95 47 30
	6	28 47 30	95 48 30
	7	28 47 30	95 47 30
	8	28 47 30	95 46 30
	9	28 46 30	95 48 30
	10	28 46 30	95 47 30
	11	28 46 30	95 46 30
	23	28 45 30	95 41 30
	24	28 45 30	95 40 30
	25	28 45 30	95 39 30
	26	28 45 30	95 38 30
	29	28 44 30	95 50 30
	30	28 44 30	95 49 30
	31	28 44 30	95 48 30
	32	28 44 30	95 47 30
	33	28 44 30	95 46 30
	34	28 44 30	95 45 30
	35	28 44 30	95 44 30
	36	28 44 30	95 43 30
	37	28 44 30	95 42 30
	38	28 44 30	95 41 30
	39	28 44 30	95 40 30
	40	28 44 30	95 39 30

Table B.1. (Cont'd.).

Bay	Grid	Latitude	Longitude
East Matagorda (Cont'd.)	42	28 43 30	95 53 30
	43	28 43 30	95 52 30
	44	28 43 30	95 51 30
	45	28 43 30	95 50 30
	46	28 43 30	95 49 30
	50	28 43 30	95 45 30
	51	28 43 30	95 44 30
	52	28 43 30	95 43 30
	53	28 43 30	95 42 30
	54	28 43 30	95 41 30
	55	28 42 30	95 56 30
	56	28 42 30	95 55 30
	57	28 42 30	95 54 30
	58	28 42 30	95 53 30
	59	28 42 30	95 52 30
	65	28 42 30	95 46 30
	66	28 42 30	95 45 30
	67	28 42 30	95 44 30
	68	28 41 30	95 56 30
	69	28 41 30	95 55 30
	76	28 41 30	95 48 30
	77	28 41 30	95 47 30
	78	28 41 30	95 46 30
	81	28 40 30	95 56 30
	87	28 40 30	95 50 30
	88	28 40 30	95 49 30
	89	28 40 30	95 48 30
	90	28 39 30	95 57 30
	91	28 39 30	95 56 30
	94	28 39 30	95 53 30
	95	28 39 30	95 52 30
	96	28 39 30	95 51 30
	97	28 39 30	95 50 30
	98	28 38 30	95 57 30
	100	28 38 30	95 55 30
	101	28 38 30	95 54 30
	102	28 38 30	95 53 30
	103	28 38 30	95 52 30
	105	28 37 30	95 56 30
	106	28 37 30	95 55 30
	108	28 47 30	95 35 30
	109	28 47 30	95 34 30
	110	28 46 30	95 37 30
	111	28 46 30	95 36 30
	112	28 46 30	95 35 30
	113	28 45 30	95 37 30

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

Table C.1. 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 1975-1985. Blank indicates no measurement taken.

		Mesh size							
		7.6-cm		10.2-cm		12.7-cm		15.2-cm	
Species	Year	No./h	Length	No./h	Length	No./h	Length	No./h	Length
Red drum	1975	0.7	374	0.4	426	<.1	515	<.1	620
	1976	<.1	401	0.4	413	0.3	546	0.3	597
	1977	0.3	391	0.1	422	0.1	534	<.1	660
	1978	0.2	358	0.1	422	<.1	536	<.1	633
	1979	0.6	368	0.1	451	<.1	587	<.1	622
	1980	0.3	368	0.1	460	0.1	572	<.1	608
	1981	0.3	365	0.1	465	0.1	549	<.1	622
	1982	0.4	381	0.1	454	0.1	578	<.1	610
	1983	0.4	386	0.1	463	0.1	565	<.1	628
	1984	0.4	382	0.2	449	0.1	588	0.1	646
	1985	0.5	344	0.2	437	0.1	591	0.1	634
Spotted seatrout	1975	0.1	372	0.1	545	<.1	607	<.1	540
	1976	0.2	387	0.1	476	0.1	607	0.0	
	1977	0.1	398	0.1	507	0.1	578	<.1	649
	1978	<.1	377	0.1	518	0.1	608	<.1	670
	1979	0.1	403	<.1	496	<.1	591	<.1	711
	1980	0.2	410	0.1	510	<.1	635	<.1	709
	1981	0.1	408	0.1	539	<.1	617	<.1	593
	1982	0.2	401	0.1	534	<.1	592	0.0	
	1983	0.2	395	0.1	533	<.1	612	<.1	596
	1984	0.2	398	0.1	528	<.1	616	<.1	609
	1985	0.2	390	0.1	534	<.1	627	<.1	513

Table C.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
Black drum	1975	0.2	223	0.2	343	<.1	668	<.1	581
	1976	0.1	212	0.1	273	0.1	417	<.1	457
	1977	<.1	226	0.1	314	0.2	382	0.1	505
	1978	0.0		0.1	317	0.2	398	0.1	444
	1979	<.1	238	<.1	312	<.1	438	0.1	489
	1980	<.1	304	0.3	328	0.2	426	0.2	472
	1981	<.1	287	0.1	356	0.1	440	0.1	481
	1982	0.1	260	0.3	327	0.2	391	0.1	469
	1983	<.1	294	0.1	334	<.1	408	0.1	462
	1984	0.1	245	0.1	335	0.2	426	0.1	483
	1985	0.1	234	0.2	328	0.3	409	0.2	484
Sheepshead	1975	0.0		0.0		<.1	258	<.1	432
	1976	0.0		<.1	308	<.1	309	<.1	386
	1977	0.0		0.0		<.1	354	<.1	340
	1978	<.1	383	<.1	238	<.1	286	<.1	346
	1979	0.0		0.0		<.1	339	<.1	427
	1980	<.1	150	<.1	234	<.1	324	<.1	339
	1981	<.1	338	<.1	254	<.1	340	<.1	360
	1982	<.1	320	<.1	301	<.1	314	<.1	358
	1983	<.1	366	<.1	218	<.1	338	<.1	368
	1984	<.1	243	0.0		<.1	356	<.1	390
	1985	0.0		<.1	354	<.1	369	<.1	401

Table C.1. (Cont'd.).

Species	Year	Mesh size: 7.6-cm No./h	7.6-cm Length	10.2-cm No./h	10.2-cm Length	12.7-cm No./h	12.7-cm Length	15.2-cm No./h	15.2-cm Length
Southern flounder	1975	<.1	245	<.1	270	<.1	377	<.1	446
	1976	<.1	385	<.1	270	<.1	364	<.1	421
	1977	<.1	277	0.1	310	<.1	425	<.1	434
	1978	0.0		<.1	309	<.1	362	<.1	475
	1979	<.1	272	<.1	253	<.1	478	<.1	430
	1980	<.1	354	<.1	304	0.1	373	<.1	385
	1981	<.1	278	<.1	295	<.1	346	<.1	430
	1982	<.1	351	0.1	313	<.1	361	<.1	379
	1983	<.1	272	<.1	339	<.1	350	<.1	412
	1984	<.1	270	<.1	319	<.1	371	<.1	378
	1985	<.1	250	<.1	319	<.1	363	<.1	402
Atlantic croaker	1975	<.1	245	0.0		0.0		0.0	
	1976	0.2	260	<.1	328	0.0		0.0	
	1977	0.1	262	0.1	321	<.1	388	0.0	
	1978	0.1	268	<.1	320	0.0		0.0	
	1979	<.1	260	<.1	280	0.0		0.0	
	1980	0.2	277	<.1	316	0.0		0.0	
	1981	0.2	271	<.1	340	<.1	324	<.1	263
	1982	0.3	273	<.1	331	<.1	312	0.0	
	1983	0.2	272	<.1	338	<.1	301	<.1	261
	1984	0.2	270	<.1	329	<.1	279	0.0	
	1985	0.5	264	0.1	332	<.1	231	<.1	289

Table C.1. (Cont'd.).

Species	Year	Mesh size: 7.6-cm No./h	7.6-cm Length	10.2-cm No./h	10.2-cm Length	12.7-cm No./h	12.7-cm Length	15.2-cm No./h	15.2-cm Length
Sand seatrout	1975	<.1	319	<.1	302	0.0		<.1	307
	1976	0.1	298	<.1	296	<.1	272	<.1	285
	1977	<.1	355	<.1	295	<.1	336	<.1	317
	1978	0.0		0.0		0.0		<.1	303
	1979	0.0		0.0		<.1		<.1	261
	1980	<.1		<.1	322	<.1	304	<.1	302
	1981	<.1	281	<.1	223	<.1	260	<.1	322
	1982	<.1	319	<.1	266	<.1	302	<.1	280
	1983	<.1	319	<.1	285	<.1	294	<.1	289
	1984	<.1	324	<.1	277	<.1	289	<.1	259
	1985	<.1	296	<.1	272	<.1	271	<.1	286
Gafftopsail catfish	1975	0.0		0.0		0.0		0.0	
	1976	0.0		0.0		<.1	498	<.1	465
	1977	0.0		0.0		<.1	444	<.1	540
	1978	0.0		0.0		0.0		0.0	
	1979	0.0		0.0		0.0		0.0	
	1980	0.0		0.0		<.1	527	0.1	562
	1981	<.1	347	<.1	454	<.1	514	<.1	547
	1982	<.1	310	<.1	419	<.1	508	<.1	440
	1983	0.0		<.1	468	<.1	498	<.1	506
	1984	0.0		<.1	447	<.1	515	<.1	549
	1985	0.0		<.1	456	<.1	525	<.1	568

Table C.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
Gulf menhaden	1975	0.2	260	0.2	284	0.1	279	0.1	280
	1976	1.8	250	0.4	228	0.4	227	0.4	221
	1977	3.7	246	0.2	249	<.1	254	<.1	213
	1978	0.5	245	<.1	284	<.1	248	<.1	252
	1979	0.1	261	<.1	213	<.1	244	<.1	241
	1980	0.1	255	0.1	258	0.1	246	<.1	253
	1981	0.6	260	<.1	249	<.1	257	<.1	263
	1982	0.5	251	<.1	245	<.1	250	<.1	242
	1983	1.3	255	0.1	262	0.1	260	<.1	259
	1984	0.9	255	<.1	274	<.1	258	<.1	252
	1985	1.2	248	0.2	255	0.1	248	0.1	255
Hardhead catfish	1975	0.7	312	0.1	323	<.1	277	0.0	
	1976	0.4	320	0.3	382	0.1	367	<.1	365
	1977	0.2	321	0.2	367	0.0		0.0	
	1978	1.0	322	0.4	380	<.1	428	<.1	424
	1979	0.9	330	0.6	373	0.1	357	<.1	341
	1980	0.4	318	0.2	363	<.1	368	<.1	347
	1981	0.7	327	0.2	372	<.1	345	<.1	342
	1982	1.3	330	0.2	381	<.1	345	<.1	347
	1983	0.9	332	0.2	381	<.1	359	<.1	293
	1984	1.2	324	0.3	354	0.1	310	<.1	313
	1985	1.0	319	0.2	364	<.1	298	<.1	307

Table C.1. (Cont'd.).

Species	Year	Mesh size: 7.6-cm No./h	7.6-cm Length	10.2-cm No./h	10.2-cm Length	12.7-cm No./h	12.7-cm Length	15.2-cm No./h	15.2-cm 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	<.1	238	0.0		0.0		0.0	
	1979	0.0		0.0		0.0		0.0	
	1980	<.1	157	0.0		0.0		0.0	
	1981	<.1	212	<.1		0.0		0.0	
	1982	<.1	207	0.0		0.0		0.0	
	1983	<.1	191	<.1		0.0		0.0	
	1984	<.1	153	0.0		0.0		0.0	
	1985	0.0		0.0		0.0		0.0	
Spot	1975	0.0		0.0		0.0		0.0	
	1976	0.3	236	<.1	230	0.0		0.0	
	1977	0.2	234	0.0		0.0		0.0	
	1978	0.1	226	0.0		0.0		0.0	
	1979	0.0		0.0		0.0		0.0	
	1980	0.1	235	0.0		0.0		0.0	
	1981	0.1	240	0.0		0.0		0.0	
	1982	0.3	239	<.1	252	0.0		0.0	
	1983	0.2	242	0.0		0.0		0.0	
	1984	0.1	238	<.1	264	0.0		0.0	
	1985	0.3	233	0.0		0.0		0.0	

Table C.1. (Cont'd.).

Species	Year	Mesh size: 7.6-cm No./h	7.6-cm Length	10.2-cm No./h	10.2-cm Length	12.7-cm No./h	12.7-cm Length	15.2-cm No./h	15.2-cm Length
Striped mullet	1975	0.4	328	0.0		0.0		0.0	
	1976	0.1	324	0.1	392	<.1	419	0.0	
	1977	<.1	328	0.1	414	0.0		0.0	
	1978	0.1	317	<.1	401	0.1	535	0.0	
	1979	0.1	334	<.1	450	0.0		0.0	
	1980	0.1	342	<.1	409	<.1	315	<.1	576
	1981	<.1	346	<.1	432	<.1	451	<.1	600
	1982	0.2	329	<.1	426	<.1	565	<.1	530
	1983	0.1	339	<.1	434	<.1	505	<.1	
	1984	0.3	337	0.1	433	<.1	516	0.0	
	1985	0.1	326	<.1	405	0.0		0.0	
Other finfishes	1975	0.5	323	0.7	375	0.2	969	0.1	1009
	1976	0.4	273	0.4	389	0.1	589	0.1	754
	1977	<.1	245	0.2	460	<.1	340	0.1	970
	1978	0.1	284	0.4	321	<.1	348	<.1	225
	1979	0.3	356	0.3	366	<.1	822	<.1	1324
	1980	0.1	299	0.2	377	<.1	577	<.1	445
	1981	0.4	314	0.5	345	0.1	670	<.1	1022
	1982	0.4	308	0.6	368	0.1	453	<.1	746
	1983	0.5	330	0.6	432	0.1	489	<.1	852
	1984	0.5	340	0.6	402	0.1	533	<.1	807
	1985	0.4	294	0.5	371	<.1	661	<.1	938

Table C.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
Total finfishes	1975	3.2	322	1.8	370	0.5	651	0.4	555
	1976	3.6	271	1.9	356	1.2	419	1.0	417
	1977	4.8	274	1.1	365	0.5	433	0.4	563
	1978	2.1	292	1.1	359	0.6	438	0.2	481
	1979	2.1	343	1.1	384	0.2	431	0.1	481
	1980	1.7	321	1.2	369	0.6	439	0.5	465
	1981	2.5	313	1.1	379	0.4	480	0.2	546
	1982	3.7	314	1.5	372	0.6	431	0.3	466
	1983	3.9	318	1.3	391	0.5	445	0.2	481
	1984	4.0	323	1.5	404	0.6	467	0.3	502
	1985	4.3	290	1.6	368	0.7	445	0.4	475

Table C.2. 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 1975-1985. Blank indicates no measurement taken; ND = no data.

		Mesh size							
		7.6-cm		10.2-cm		12.7-cm		15.2-cm	
Species	Year	No./h	Length	No./h	Length	No./h	Length	No./h	Length
Red drum	1975	ND		ND		ND		ND	
	1976	0.2	326	0.6	482	0.9	533	0.1	581
	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	593
	1981	0.5	378	<.1	408	<.1	472	<.1	637
	1982	0.8	355	0.1	527	0.1	539	<.1	560
	1983	0.6	350	0.1	456	0.1	567	<.1	647
	1984	0.2	376	0.1	479	0.4	576	0.4	653
	1985	0.7	350	0.2	423	0.2	525	0.2	618
Spotted seatrout	1975	ND		ND		ND		ND	
	1976	0.5	378	0.8	461	0.2	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	417	0.1	514	<.1	601	<.1	548
	1983	0.4	405	<.1	543	<.1	501	0.0	
	1984	0.3	426	0.1	508	<.1	455	<.1	488
	1985	0.2	374	0.1	509	<.1	584	0.0	

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

Species	Year	Mesh size: 7.6-cm No./h	7.6-cm Length	10.2-cm No./h	10.2-cm Length	12.7-cm No./h	12.7-cm Length	15.2-cm No./h	15.2-cm Length
Black drum	1975	ND		ND		ND		ND	
	1976	0.2	210	0.4	286	0.3	342	0.1	426
	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	322	0.8	374	0.2	439
	1983	0.2	230	0.3	344	0.2	417	0.3	460
	1984	0.2	250	0.1	303	0.1	417	0.1	476
	1985	<.1	218	0.3	319	0.2	388	0.1	457
Sheepshead	1975	ND		ND		ND		ND	
	1976	0.0		0.0		0.1	307	0.0	
	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	277	0.2	350	0.2	375
	1984	<.1	416	<.1	407	0.1	371	0.2	389
	1985	0.0		<.1	342	0.1	372	0.1	396

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

Species	Year	Mesh size: 7.6-cm No./h	7.6-cm Length	10.2-cm No./h	10.2-cm Length	12.7-cm No./h	12.7-cm Length	15.2-cm No./h	15.2-cm Length
Southern	1975	ND		ND		ND		ND	
flounder	1976	<.1	328	0.3	275	0.4	330	0.1	366
	1977	<.1	207	0.1	317	0.1	337	0.1	404
	1978	<.1	290	<.1	372	<.1	368	<.1	
	1979	<.1	323	<.1	271	<.1	369	<.1	530
	1980	<.1	250	0.1	341	0.1	368	0.1	427
	1981	<.1	348	<.1	296	<.1	367	<.1	385
	1982	0.0		0.1	298	0.1	247	0.1	399
	1983	<.1	237	0.1	326	0.1	362	0.1	391
	1984	<.1	292	0.1	319	0.1	379	<.1	418
	1985	<.1	338	0.1	326	0.1	374	0.1	391
Atlantic	1975	ND		ND		ND		ND	
croaker	1976	0.1	254	0.0		0.0		0.0	
	1977	0.1	275	0.0		0.0		0.0	
	1978	0.1	248	0.0		0.0		0.0	
	1979	0.2	244	<.1	335	0.0		0.0	
	1980	0.1	270	<.1		0.0		0.0	
	1981	0.2	253	0.0		0.0		0.0	
	1982	0.4	256	0.0		0.0		0.0	
	1983	0.4	258	<.1	276	0.0		0.0	
	1984	0.1	257	<.1	295	<.1	240	0.0	
	1985	0.4	257	<.1	276	0.0		<.1	243

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

Species	Year	Mesh size: 7.6-cm No./h	7.6-cm Length	10.2-cm No./h	10.2-cm Length	12.7-cm No./h	12.7-cm Length	15.2-cm No./h	15.2-cm Length
Sand seatrout	1975	ND		ND		ND		ND	
	1976	0.2	302	<.1	261	0.0		0.1	302
	1977	0.0		0.0		0.0		0.0	
	1978	0.0		<.1		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	222	<.1	268
	1982	<.1	225	0.0		<.1	249	<.1	260
	1983	0.0		<.1	206	<.1	241	<.1	244
	1984	<.1	312	0.0		<.1	316	0.0	
	1985	0.0		<.1	255	0.0		0.0	
Gafftopsail catfish	1975	ND		ND		ND		ND	
	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		<.1	435	0.1	547	<.1	551
	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		<.1	616
	1983	<.1	396	0.1	464	<.1	495	<.1	508
	1984	<.1	420	<.1	461	<.1	466	<.1	535
	1985	0.0		<.1	449	<.1	485	<.1	549

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

Species	Year	Mesh size: 7.6-cm No./h	7.6-cm Length	10.2-cm No./h	10.2-cm Length	12.7-cm No./h	12.7-cm Length	15.2-cm No./h	15.2-cm Length
Gulf	1975	ND		ND		ND		ND	
menhaden	1976	<.1		0.0		0.0		0.0	
	1977	0.0		<.1	281	<.1	237	0.0	
	1978	0.4	241	0.1	275	0.0		0.0	
	1979	<.1	240	0.0		<.1	220	<.1	212
	1980	<.1		0.0		0.0		0.0	
	1981	0.0		0.0		0.0		0.0	
	1982	0.0		<.1	310	<.1		0.0	
	1983	0.1	245	<.1	276	0.0		0.0	
	1984	0.1	288	<.1	264	<.1	271	0.0	
	1985	<.1	233	0.0		0.0		0.0	
Hardhead	1975	ND		ND		ND		ND	
catfish	1976	<.1	322	0.0		0.0		0.0	
	1977	0.2	313	0.1	353	<.1	375	0.0	
	1978	0.1	307	0.0		<.1	260	0.0	
	1979	0.1	327	0.1	356	<.1		0.0	
	1980	0.3	319	0.1	367	0.0		<.1	382
	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	0.9	316	0.2	361	<.1	306	0.0	
	1985	0.2	315	0.2	353	<.1	308	<.1	304

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

Species	Year	Mesh size: 7.6-cm No./h	7.6-cm Length	10.2-cm No./h	10.2-cm Length	12.7-cm No./h	12.7-cm Length	15.2-cm No./h	15.2-cm Length
Pinfish	1975	ND		ND		ND		ND	
	1976	0.1	155	0.1	243	0.0		0.0	
	1977	0.0		0.0		0.0		0.0	
	1978	<.1	168	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	<.1	227	0.0		0.0		0.0	
	1983	<.1	202	0.0		0.0		0.0	
	1984	0.0		0.0		0.0		0.0	
	1985	<.1	170	0.0		0.0		0.0	
Spot	1975	ND		ND		ND		ND	
	1976	<.1	226	<.1	294	0.0		0.0	
	1977	<.1	240	<.1	291	0.0		0.0	
	1978	0.1	234	0.0		0.0		0.0	
	1979	0.0		0.0		0.0		0.0	
	1980	<.1	221	0.0		0.0		0.0	
	1981	0.2	237	0.0		0.0		0.0	
	1982	<.1	246	0.0		0.0		0.0	
	1983	0.2	242	<.1	324	0.0		0.0	
	1984	0.1	242	0.0		0.0		0.0	
	1985	<.1	229	0.0		0.0		0.0	

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

Species	Year	Mesh size: 7.6-cm No./h	7.6-cm Length	10.2-cm No./h	10.2-cm Length	12.7-cm No./h	12.7-cm Length	15.2-cm No./h	15.2-cm Length
Striped mullet	1975	ND		ND		ND		ND	
	1976	0.2	305	0.0		0.0		<.1	
	1977	0.1	324	0.1	453	<.1	509	0.0	
	1978	0.5	314	0.1	404	<.1	512	0.0	
	1979	0.1	329	<.1	410	0.0		0.0	
	1980	<.1	319	0.0		0.0		0.0	
	1981	0.1	333	<.1	436	0.0		0.0	
	1982	0.4	318	<.1	405	<.1	552	0.0	
	1983	0.2	334	0.0		<.1		0.0	
	1984	0.6	318	<.1	401	<.1	461	0.0	
	1985	0.2	319	<.1	409	<.1	520	0.0	
Other finfishes	1975	ND		ND		ND		ND	
	1976	0.1	286	0.1	331	0.0		0.0	
	1977	0.1	255	0.1	339	0.0		<.1	892
	1978	0.1	267	0.1	346	0.0		<.1	254
	1979	<.1	540	0.0		0.0		0.0	
	1980	0.1	262	<.1	297	0.0		<.1	810
	1981	0.3	285	0.1	478	<.1	666	<.1	
	1982	0.4	283	0.1	331	<.1	519	<.1	477
	1983	1.3	268	0.3	322	<.1	380	<.1	470
	1984	0.5	284	0.2	350	<.1	444	<.1	687
	1985	0.3	299	0.2	353	<.1	551	<.1	1005

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

Species	Year	Mesh size: 7.6-cm No./h	7.6-cm Length	10.2-cm No./h	10.2-cm Length	12.7-cm No./h	12.7-cm Length	15.2-cm No./h	15.2-cm Length
Total finfishes	1975	ND		ND		ND		ND	
	1976	1.8	306	2.4	390	2.0	451	0.4	445
	1977	1.4	325	0.8	371	0.7	392	0.3	447
	1978	2.3	291	0.8	348	0.7	380	0.2	418
	1979	1.0	338	0.4	361	0.5	421	0.2	457
	1980	1.0	317	0.9	334	0.6	444	0.4	488
	1981	2.3	334	0.5	363	0.3	421	0.2	473
	1982	2.5	323	1.9	349	1.3	391	0.6	424
	1983	3.6	304	1.2	358	0.7	408	0.7	438
	1984	3.0	309	1.0	387	0.9	479	0.8	531
	1985	2.2	314	1.0	371	0.8	431	0.5	484

Table C.3. 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 1975-1985. Blank indicates no measurement taken.

		Mesh size							
		7.6-cm		10.2-cm		12.7-cm		15.2-cm	
Species	Year	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	359	0.1	414	0.1	545	<.1	630
	1979	1.2	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	0.1	467	<.1	538	<.1	584
	1984	0.2	359	<.1	491	<.1	594	<.1	708
	1985	0.6	332	0.1	456	0.1	585	<.1	589
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	386	0.1	492	0.1	573	<.1	662
	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	508	<.1	635	<.1	462

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

Species	Year	Mesh size: 7.6-cm No./h	7.6-cm Length	10.2-cm No./h	10.2-cm Length	12.7-cm No./h	12.7-cm Length	15.2-cm No./h	15.2-cm Length
Black drum	1975	0.3	233	0.4	299	0.1	527	0.1	519
	1976	0.3	244	0.2	314	0.2	418	0.2	516
	1977	0.1	244	0.2	316	<.1	376	0.1	474
	1978	0.1	273	0.2	376	0.1	406	<.1	601
	1979	0.1	235	<.1	577	<.1	488	<.1	640
	1980	0.4	239	0.2	316	0.1	456	0.1	553
	1981	0.1	240	0.2	382	0.1	448	<.1	607
	1982	0.2	253	0.3	337	0.1	443	0.1	544
	1983	0.1	250	0.3	347	0.1	458	<.1	620
	1984	<.1	288	<.1	367	<.1	487	<.1	676
	1985	0.1	243	0.2	343	<.1	408	<.1	603
Sheepshead	1975	0.0		<.1	230	<.1	345	0.0	
	1976	<.1	165	<.1	261	0.1	282	<.1	320
	1977	0.0		<.1	262	<.1	318	<.1	406
	1978	<.1	385	<.1	336	<.1	311	<.1	407
	1979	<.1	268	<.1	273	0.1	329	<.1	356
	1980	0.0		0.0		<.1	353	0.0	
	1981	<.1	235	<.1	254	0.1	289	0.1	327
	1982	<.1	326	<.1	285	<.1	305	<.1	354
	1983	<.1	369	<.1	292	<.1	346	<.1	368
	1984	<.1	300	<.1	323	<.1	378	<.1	381
	1985	0.0		<.1	305	<.1	355	<.1	420

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

Species	Year	Mesh size: 7.6-cm No./h	7.6-cm Length	10.2-cm No./h	10.2-cm Length	12.7-cm No./h	12.7-cm Length	15.2-cm No./h	15.2-cm Length
Southern flounder	1975	0.1	254	<.1	280	<.1	438	<.1	460
	1976	<.1	220	<.1	307	<.1	338	0.0	
	1977	<.1	250	0.0		<.1	326	<.1	390
	1978	0.0		0.0		<.1	284	<.1	387
	1979	<.1	240	<.1	310	<.1	437	<.1	454
	1980	<.1	202	0.1	311	0.1	343	<.1	436
	1981	<.1	271	<.1	298	<.1	401	<.1	413
	1982	<.1	281	<.1	296	<.1	373	<.1	413
	1983	<.1	308	<.1	298	<.1	345	<.1	398
	1984	<.1	224	<.1	300	<.1	350	<.1	384
	1985	<.1	285	<.1	296	<.1	360	<.1	411
Atlantic croaker	1975	0.0		0.0		0.0		0.0	
	1976	0.3	262	<.1	308	0.0		0.0	
	1977	0.2	259	<.1	347	0.0		0.0	
	1978	0.2	255	0.0		0.0		0.0	
	1979	0.1	282	<.1	330	0.0		0.0	
	1980	0.2	261	0.0		0.0		0.0	
	1981	0.1	267	<.1	335	0.0		0.0	
	1982	0.1	267	<.1	357	0.0		0.0	
	1983	0.2	263	0.0		0.0		0.0	
	1984	0.1	259	0.0		0.0		0.0	
	1985	0.1	255	<.1	173	0.0		0.0	

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

Species	Year	Mesh size: 7.6-cm No./h	7.6-cm Length	10.2-cm No./h	10.2-cm Length	12.7-cm No./h	12.7-cm Length	15.2-cm No./h	15.2-cm Length
Sand seatrout	1975	0.0		<.1		0.1	262	0.2	298
	1976	0.0		<.1	270	<.1	320	<.1	307
	1977	<.1	321	0.0		0.0		0.0	
	1978	0.0		0.0		<.1	184	0.0	
	1979	0.0		<.1	269	<.1	252	<.1	235
	1980	<.1	220	0.0		0.0		0.0	
	1981	0.0		0.0		<.1	242	0.0	
	1982	<.1	258	<.1	239	<.1	245	<.1	259
	1983	<.1	325	<.1	276	<.1	265	<.1	254
	1984	<.1	311	<.1	280	<.1	260	<.1	
	1985	<.1	296	<.1	250	<.1	234	<.1	252
Gafftopsail catfish	1975	0.0		0.0		<.1	552	0.1	581
	1976	0.0		<.1	464	0.1	540	0.1	549
	1977	0.0		0.0		0.0		<.1	499
	1978	0.0		0.0		<.1	513	<.1	515
	1979	0.0		0.0		0.0		0.0	
	1980	<.1	340	0.0		0.0		<.1	617
	1981	0.0		<.1	406	<.1	525	<.1	589
	1982	<.1	550	<.1	498	<.1	537	<.1	510
	1983	0.0		<.1	485	<.1	388	<.1	564
	1984	<.1	557	<.1	463	<.1	525	<.1	519
	1985	<.1	434	<.1	460	<.1	508	<.1	545

Table C.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
Gulf	1975	0.6	278	1.1	317	<.1	200	<.1	240
mendaden	1976	0.2	240	<.1	270	<.1	261	0.1	243
	1977	0.2	244	0.0		0.0		0.0	
	1978	<.1	229	<.1	256	<.1	263	0.0	
	1979	0.4	251	<.1	255	<.1	238	<.1	246
	1980	<.1	260	<.1	260	0.0		0.0	
	1981	0.1	249	<.1	239	<.1	233	<.1	235
	1982	<.1	255	<.1	234	<.1	205	<.1	243
	1983	<.1	248	<.1	269	<.1	227	<.1	273
	1984	0.2	248	<.1	244	<.1	258	<.1	241
	1985	0.1	254	<.1	275	<.1	249	<.1	219
Hardhead	1975	0.1	305	<.1	365	<.1	265	<.1	310
catfish	1976	0.1	282	0.1	289	<.1	304	<.1	170
	1977	0.1	309	<.1	298	<.1	318	0.0	
	1978	0.1	286	<.1	297	<.1	248	0.0	
	1979	0.1	306	<.1	388	<.1	350	0.0	
	1980	0.1	331	0.0		0.0		0.0	
	1981	0.2	317	0.1	312	<.1	249	<.1	343
	1982	0.1	325	0.1	355	<.1	238	<.1	295
	1983	0.2	325	0.1	354	<.1	304	<.1	353
	1984	0.3	314	0.1	352	<.1	323	<.1	340
	1985	0.4	325	0.2	370	<.1	332	<.1	333

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

Species	Year	Mesh size: 7.6-cm No./h	7.6-cm Length	10.2-cm No./h	10.2-cm Length	12.7-cm No./h	12.7-cm Length	15.2-cm No./h	15.2-cm 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	<.1		0.0		0.0	
	1985	<.1	177	0.0		<.1	209	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	259	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	243	0.0		0.0		0.0	
	1984	<.1	239	<.1	250	0.0		0.0	
	1985	0.1	234	0.0		0.0		0.0	

Table C.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
Striped mullet	1975	0.3	318	0.1	410	0.0		0.0	
	1976	0.2	328	0.1	422	0.0		0.0	
	1977	0.4	324	<.1	482	0.0		0.0	
	1978	0.6	330	0.1	451	0.0		0.0	
	1979	0.3	329	<.1	430	0.0		0.0	
	1980	0.2	332	<.1	426	0.0		0.0	
	1981	0.1	320	<.1	439	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	0.2	327	<.1	405	0.0		0.0	
	1985	0.2	319	<.1	472	0.0		0.0	
Other finfishes	1975	0.4	309	0.4	402	0.1	908	0.1	864
	1976	0.8	308	0.2	543	0.1	862	0.2	885
	1977	1.9	355	0.9	357	0.1	771	0.2	922
	1978	0.7	281	0.3	392	0.1	578	0.1	846
	1979	0.6	311	0.1	369	<.1	624	<.1	928
	1980	0.4	277	0.1	405	<.1	869	<.1	827
	1981	0.4	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	0.1	528	0.1	868	0.1	842
	1984	0.6	462	0.1	468	<.1	771	<.1	945
	1985	0.5	344	0.1	519	<.1	863	0.1	881

Table C.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
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	0.7	618
	1977	3.5	335	1.5	370	0.5	569	0.4	706
	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	395	0.3	503	0.2	570
	1981	1.8	333	0.6	399	0.4	496	0.2	560
	1982	2.3	322	0.7	410	0.4	501	0.2	534
	1983	2.5	316	0.8	410	0.4	529	0.2	621
	1984	1.6	324	0.3	413	0.1	549	0.1	686
	1985	2.4	315	0.7	405	0.4	546	0.3	655

Table C.4. 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 1975-1985. Blank indicates no measurement taken.

		Mesh size							
		7.6-cm		10.2-cm		12.7-cm		15.2-cm	
Species	Year	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
	1976	0.9	349	0.4	487	0.2	511	<.1	361
	1977	0.6	335	0.1	383	0.1	524	<.1	602
	1978	0.5	359	0.1	414	<.1	568	<.1	630
	1979	1.3	343	0.3	409	0.2	492	0.1	588
	1980	0.4	346	0.2	447	0.2	495	<.1	609
	1981	0.5	343	0.1	436	<.1	524	<.1	577
	1982	0.4	330	0.1	417	<.1	520	<.1	478
	1983	0.4	354	0.1	490	<.1	555	<.1	631
	1984	0.5	363	0.1	430	<.1	594	<.1	675
	1985	1.0	334	0.1	432	0.1	533	<.1	529
Spotted seatrout	1975	0.9	378	0.1	471	0.0		0.0	
	1976	0.5	398	0.2	500	<.1	456	<.1	397
	1977	0.6	380	<.1	457	0.0		0.0	
	1978	0.4	369	0.1	481	0.0		0.0	
	1979	0.2	397	0.1	542	0.0	445	0.0	
	1980	0.2	409	0.1	487	<.1	477	<.1	422
	1981	0.2	398	0.1	494	<.1	549	<.1	509
	1982	0.3	409	0.1	502	<.1	434	<.1	459
	1983	0.4	406	0.1	508	<.1	461	<.1	527
	1984	0.1	391	<.1	515	<.1	636	<.1	
	1985	0.1	383	<.1	515	<.1	525	0.0	

Table C.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
Black drum	1975	0.2	227	0.3	350	0.1	387	0.0	
	1976	0.2	228	0.6	315	0.3	386	0.1	461
	1977	0.1	291	0.3	308	0.1	395	<.1	512
	1978	0.1	228	0.1	311	0.1	381	<.1	500
	1979	0.1	246	0.2	327	0.1	439	<.1	509
	1980	0.5	255	0.6	316	<.1	363	0.1	461
	1981	0.2	244	0.2	338	0.1	392	<.1	492
	1982	0.6	221	0.4	343	0.1	503	<.1	647
	1983	0.3	239	0.2	348	0.1	404	0.1	475
	1984	0.3	223	<.1	308	<.1	594	<.1	773
	1985	0.2	227	0.1	323	<.1	427	<.1	463
Sheepshead	1975	<.1	210	0.1	217	0.1	298	0.1	412
	1976	<.1	166	0.1	260	0.1	319	0.2	356
	1977	0.0		<.1	225	<.1	391	<.1	260
	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		0.2	254	0.4	303	0.1	410
	1981	<.1	340	0.1	294	0.1	331	0.1	371
	1982	<.1	249	0.1	268	<.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

Table C.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	<.1	205	<.1	265	0.0		0.0	
	1976	<.1	245	<.1	318	0.1	363	0.1	413
	1977	<.1	283	0.2	290	0.1	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	0.1	286	<.1	338	<.1	372
	1982	<.1	274	0.1	304	<.1	329	<.1	366
	1983	<.1	270	0.1	304	<.1	373	<.1	425
	1984	<.1	265	<.1	292	<.1	367	<.1	366
	1985	<.1	241	<.1	288	<.1	368	<.1	403
Atlantic croaker	1975	<.1	288	<.1	310	0.0		0.0	
	1976	0.3	263	0.1	352	<.1	363	0.0	
	1977	0.1	261	<.1	343	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	260	<.1	312	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	0.1	253	<.1	244	0.0		<.1	232
	1985	0.1	261	0.0		0.0		0.0	

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

Species	Year	Mesh size: 7.6-cm No./h	7.6-cm Length	10.2-cm No./h	10.2-cm Length	12.7-cm No./h	12.7-cm Length	15.2-cm No./h	15.2-cm Length
Sand seatrout	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	0.0		0.0		0.0		<.1	211
	1980	0.0		0.0		0.0		0.0	
	1981	0.0		<.1	175	<.1		0.0	
	1982	<.1	212	<.1	282	<.1	253	0.0	
	1983	0.0		<.1	196	0.0		<.1	285
	1984	0.0		0.0	282	<.1		0.0	
	1985	<.1	332	0.0		0.0		0.0	
Gafftopsail catfish	1975	0.0		0.0		0.0		0.0	
	1976	0.0		0.1	446	0.2	515	<.1	539
	1977	0.0		<.1	509	0.1	527	0.1	538
	1978	0.0		0.0		<.1	523	<.1	581
	1979	<.1	386	<.1	533	<.1	500	<.1	565
	1980	0.0		0.1	490	0.1	510	<.1	556
	1981	0.0		<.1	448	<.1	541	<.1	566
	1982	<.1	418	0.1	491	0.1	530	0.1	563
	1983	<.1	456	0.1	475	0.1	518	0.1	557
	1984	<.1	375	0.1	460	0.1	535	0.1	554
	1985	0.0		<.1	506	<.1	531	<.1	578

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

Species	Year	Mesh size: 7.6-cm No./h	7.6-cm Length	10.2-cm No./h	10.2-cm Length	12.7-cm No./h	12.7-cm Length	15.2-cm No./h	15.2-cm Length
Gulf menhaden	1975	<.1	255	<.1	335	0.0		<.1	250
	1976	0.2	265	<.1	336	<.1	251	<.1	269
	1977	0.1	238	<.1	259	0.0		0.0	
	1978	<.1	266	0.0		<.1	240	0.1	230
	1979	<.1	245	0.0		0.0		<.1	231
	1980	0.1	255	0.0		0.0		0.0	
	1981	0.1	251	<.1	254	<.1	229	<.1	228
	1982	0.1	246	<.1	187	<.1	232	<.1	236
	1983	0.1	246	<.1	222	<.1	236	<.1	237
	1984	0.3	247	<.1	248	<.1	253	<.1	154
	1985	<.1	251	<.1	282	<.1	250	<.1	237
Hardhead catfish	1975	0.4	311	0.1	369	<.1	335	<.1	295
	1976	0.4	318	0.2	311	0.1	301	0.1	267
	1977	0.2	308	<.1	381	0.0		<.1	304
	1978	0.1	311	<.1	368	<.1		<.1	323
	1979	0.4	328	0.2	374	0.1	316	<.1	297
	1980	0.3	319	0.2	317	0.1	296	<.1	349
	1981	0.6	337	0.3	363	<.1	335	<.1	321
	1982	0.4	376	0.3	356	0.1	312	<.1	347
	1983	0.4	324	0.1	332	<.1	320	<.1	343
	1984	0.6	327	0.3	356	0.1	326	<.1	319
	1985	0.5	340	0.3	378	0.1	341	<.1	313

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

Species	Year	Mesh size: 7.6-cm No./h	7.6-cm Length	10.2-cm No./h	10.2-cm Length	12.7-cm No./h	12.7-cm Length	15.2-cm No./h	15.2-cm Length
Pinfish	1975	0.0		0.0		0.0		0.0	
	1976	0.1	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	
Spot	1975	<.1	230	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	

Table C.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
Striped mullet	1975	0.6	317	<.1	395	0.0		0.0	
	1976	1.6	325	0.1	426	0.0		0.0	
	1977	0.3	318	0.2	405	0.0		0.0	
	1978	0.5	322	0.0		0.0		0.0	
	1979	0.7	327	0.1	411	<.1	477	0.0	
	1980	0.5	343	0.1	429	<.1	512	0.0	
	1981	0.5	334	<.1	404	<.1	418	0.0	
	1982	0.3	329	<.1	432	0.0		0.0	
	1983	0.3	330	<.1	420	0.0		0.0	
	1984	0.4	328	0.1	443	<.1	534	0.0	
	1985	0.4	327	0.1	427	<.1	491	<.1	305
Other finfishes	1975	0.2	300	0.1	307	<.1	537	0.1	890
	1976	0.6	282	0.2	485	0.1	784	0.1	1060
	1977	1.6	315	0.7	388	0.1	608	<.1	745
	1978	1.3	460	0.7	428	<.1	786	<.1	1011
	1979	0.4	344	0.1	516	<.1	875	0.1	627
	1980	0.9	291	0.1	355	<.1	159	<.1	828
	1981	0.5	331	0.2	530	0.1	644	0.1	817
	1982	0.8	429	0.1	548	0.1	630	0.1	835
	1983	0.7	319	0.1	488	0.1	796	0.1	946
	1984	0.1	343	0.1	470	0.1	793	0.1	857
	1985	0.2	372	0.1	494	0.1	727	0.1	914

Table C.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	3.2	325	1.0	353	0.2	386	0.2	582
	1976	5.1	311	2.1	394	1.2	461	0.7	521
	1977	4.0	316	1.7	365	0.4	482	0.2	507
	1978	3.1	365	1.1	405	0.4	435	0.5	491
	1979	3.3	335	1.1	398	0.7	429	0.5	438
	1980	3.2	309	1.7	349	0.9	391	0.3	493
	1981	3.0	318	1.0	390	0.4	430	0.3	527
	1982	3.2	311	1.2	386	0.5	478	0.3	636
	1983	3.5	309	1.1	375	0.4	481	0.3	572
	1984	2.6	301	0.7	406	0.3	552	0.2	626
	1985	2.6	320	0.9	410	0.5	492	0.2	613

Table C.5. Mean catch rates (No./h) and mean total lengths (mm) by mesh size for selected fishes caught with gill nets in the Aransas Bay system during fall 1975-1985. Blank indicates no measurement taken.

		Mesh size							
		7.6-cm		10.2-cm		12.7-cm		15.2-cm	
Species	Year	No./h	Length	No./h	Length	No./h	Length	No./h	Length
Red drum	1975	1.0	335	0.1	384	<.1	575	0.0	
	1976	0.3	335	0.2	464	<.1	518	0.0	
	1977	0.5	346	0.1	445	<.1	495	<.1	659
	1978	0.5	383	0.4	423	<.1	690	0.0	
	1979	0.6	345	0.1	415	0.1	550	<.1	357
	1980	0.6	336	0.3	417	0.1	542	<.1	293
	1981	0.5	348	0.1	446	0.1	526	<.1	600
	1982	0.3	328	0.1	454	0.1	504	<.1	695
	1983	0.2	360	0.1	449	<.1	523	<.1	643
	1984	0.4	350	0.1	454	<.1	531	<.1	561
	1985	0.5	356	0.1	483	0.2	559	0.1	593
Spotted seatrout	1975	0.3	410	0.4	521	0.0		0.0	
	1976	0.1	358	0.1	496	<.1	553	0.0	
	1977	<.1	356	0.1	528	<.1	528	0.0	
	1978	<.1	396	<.1	462	<.1		0.0	
	1979	<.1	421	<.1	487	<.1	628	0.0	
	1980	0.1	393	0.1	470	<.1	494	0.0	
	1981	0.1	405	0.1	493	<.1	548	<.1	511
	1982	0.1	408	0.1	505	<.1	544	<.1	534
	1983	0.1	418	0.1	514	<.1	547	<.1	
	1984	0.1	422	<.1	509	0.0		<.1	429
	1985	0.1	397	<.1	500	<.1	554	<.1	508

Table C.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	236	0.4	342	0.1	379	0.0	
	1976	0.1	254	0.2	305	0.1	483	<.1	632
	1977	0.1	244	0.2	310	0.1	400	<.1	663
	1978	0.2	232	0.1	330	0.1	377	<.1	498
	1979	0.1	241	0.1	310	0.1	435	0.1	553
	1980	0.2	240	0.5	303	0.1	494	0.1	614
	1981	0.1	256	0.2	329	0.1	393	0.1	450
	1982	0.2	247	0.5	314	0.2	405	0.1	492
	1983	0.2	248	0.2	330	0.2	396	0.1	490
	1984	0.1	219	<.1	350	<.1	646	<.1	701
	1985	0.1	226	0.1	334	0.1	396	<.1	630
Sheepshead	1975	0.0		0.8	266	0.9	320	0.2	341
	1976	<.1		0.5	233	0.3	271	0.1	370
	1977	0.0		0.2	234	0.2	268	0.1	335
	1978	0.0		0.3	268	0.2	322	0.1	348
	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	0.1	284	0.1	333	0.1	371
	1983	<.1	326	<.1	281	<.1	351	0.1	394
	1984	<.1	532	<.1	414	<.1	396	<.1	459
	1985	<.1	274	<.1	256	<.1	359	<.1	406

Table C.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	0.0		<.1	280	0.1	280	0.0	
	1976	<.1	268	0.1	304	<.1	341	0.0	
	1977	<.1	250	<.1	311	<.1	355	0.1	397
	1978	<.1	215	0.0		0.1	375	<.1	397
	1979	<.1	281	<.1	336	<.1	380	<.1	353
	1980	<.1	228	<.1	336	<.1		0.1	453
	1981	<.1	291	<.1	321	<.1	399	<.1	398
	1982	<.1	347	<.1	303	<.1	364	<.1	431
	1983	<.1	316	<.1	318	<.1	325	<.1	401
	1984	<.1	237	<.1	327	<.1	352	<.1	405
	1985	<.1	236	<.1	306	<.1	370	<.1	383
Atlantic croaker	1975	0.1	280	0.2	358	0.0		0.0	
	1976	0.2	291	0.1	368	0.0		0.0	
	1977	0.4	266	0.5	336	<.1	377	0.0	
	1978	0.4	285	0.2	357	0.0		0.0	
	1979	0.1	274	0.1	337	<.1	382	0.0	
	1980	0.1	269	0.1	347	<.1	355	<.1	
	1981	0.3	285	0.2	350	0.1	379	<.1	364
	1982	0.1	295	0.2	343	<.1	381	<.1	338
	1983	0.2	283	0.1	342	<.1	334	0.0	
	1984	0.1	259	<.1	301	<.1		0.0	
	1985	0.3	264	<.1	332	<.1	240	0.0	

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

Species	Year	Mesh size: 7.6-cm No./h	7.6-cm Length	10.2-cm No./h	10.2-cm Length	12.7-cm No./h	12.7-cm Length	15.2-cm No./h	15.2-cm Length
Sand seatrout	1975	0.0		<.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	324	0.0	
	1984	<.1	361	<.1	270	<.1	206	0.0	
	1985	0.0		<.1	237	0.0		0.0	
Gafftopsail catfish	1975	0.0		0.0		0.0		<.1	540
	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		<.1	545	<.1	495
	1980	0.0		<.1	520	<.1	492	<.1	596
	1981	<.1	195	<.1	423	<.1	521	<.1	562
	1982	<.1	148	<.1	467	<.1	548	<.1	570
	1983	<.1		<.1	478	<.1	533	<.1	590
	1984	<.1	363	<.1	478	<.1	532	<.1	558
	1985	0.0		<.1	471	<.1	540	0.1	568

Table C.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
Gulf menhaden	1975	0.0		0.1	331	<.1	282	<.1	280
	1976	<.1		<.1	272	<.1	261	<.1	263
	1977	<.1	242	0.0		0.0		<.1	215
	1978	0.4	254	0.1	225	0.1	221	<.1	228
	1979	<.1	251	0.0		<.1	269	<.1	245
	1980	<.1	238	<.1	249	<.1	247	<.1	230
	1981	<.1	251	<.1	232	<.1	234	<.1	224
	1982	<.1	243	<.1	225	<.1	236	<.1	
	1983	0.1	248	<.1	255	<.1	214	<.1	232
	1984	0.5	250	<.1	271	<.1	241	<.1	250
	1985	0.1	248	<.1	326	<.1	243	0.0	
Hardhead catfish	1975	0.1	310	0.0		0.0		<.1	305
	1976	0.1	285	<.1	310	<.1	277	<.1	
	1977	0.1	297	0.1	334	<.1	412	0.0	
	1978	0.1	316	0.1	369	<.1		<.1	284
	1979	0.1	324	0.1	372	<.1	390	<.1	255
	1980	0.2	311	0.1	373	<.1	309	0.0	
	1981	0.2	334	0.1	366	<.1	363	<.1	329
	1982	0.2	333	0.1	378	<.1	340	<.1	323
	1983	0.2	326	0.2	372	<.1	377	<.1	359
	1984	0.3	321	0.3	363	<.1	342	<.1	321
	1985	0.2	330	0.2	376	<.1	348	<.1	354

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

Species	Year	Mesh size: 7.6-cm No./h	7.6-cm Length	10.2-cm No./h	10.2-cm Length	12.7-cm No./h	12.7-cm Length	15.2-cm No./h	15.2-cm Length
Pinfish	1975	0.0		0.0		0.0		0.0	
	1976	0.0		0.0		0.0		0.0	
	1977	<.1	210	0.0		0.0		0.0	
	1978	<.1	247	0.0		0.0		0.0	
	1979	0.0		0.0		0.0		0.0	
	1980	0.0		<.1		0.0		0.0	
	1981	<.1	217	<.1	196	0.0		0.0	
	1982	<.1	216	<.1	219	0.0		0.0	
	1983	<.1	174	0.0		0.0		0.0	
	1984	<.1	196	<.1	135	0.0		0.0	
	1985	<.1	167	<.1	138	0.0		0.0	
Spot	1975	0.1	236	0.0		0.0		0.0	
	1976	<.1	216	<.1	305	0.0		0.0	
	1977	0.1	242	<.1	248	0.0		0.0	
	1978	0.2	259	0.0		0.0		0.0	
	1979	<.1	249	<.1	300	0.0		0.0	
	1980	<.1	217	0.0		0.0		0.0	
	1981	<.1	257	<.1	285	0.0		0.0	
	1982	0.1	240	<.1	290	0.0		0.0	
	1983	0.1	241	<.1	292	0.0		0.0	
	1984	<.1	238	<.1	304	0.0		0.0	
	1985	0.1	237	0.0		0.0		0.0	

Table C.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	2.6	319	0.2	409	<.1	437	0.0	
	1976	0.3	318	0.1	417	<.1	528	0.0	
	1977	0.3	316	<.1	373	0.0		0.0	
	1978	1.2	335	<.1		<.1	346	0.0	
	1979	0.6	329	0.1	420	0.0		0.0	
	1980	0.4	329	0.2	408	<.1	523	0.0	
	1981	0.5	325	<.1	397	<.1	539	0.0	
	1982	0.7	323	0.1	403	<.1	400	<.1	
	1983	0.4	334	0.1	398	<.1	471	<.1	411
	1984	0.5	326	0.1	421	0.0		0.0	
	1985	0.2	323	0.1	428	0.0		0.0	
Other finfishes	1975	0.7	307	0.4	338	<.1	1368	0.1	826
	1976	0.3	435	1.1	339	0.2	621	0.1	1059
	1977	0.3	252	<.1	509	0.1	982	<.1	1065
	1978	0.4	282	0.3	432	<.1	1160	<.1	1042
	1979	0.2	388	0.2	392	<.1	989	<.1	1051
	1980	0.5	264	0.1	296	<.1	885	<.1	786
	1981	0.7	372	0.1	552	0.1	718	<.1	946
	1982	0.6	338	0.1	543	0.1	730	0.1	763
	1983	0.5	479	0.2	515	0.1	822	0.1	971
	1984	0.2	461	0.2	570	0.2	921	0.1	996
	1985	0.1	368	0.1	671	0.1	857	0.1	1080

Table C.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 finfishes	1975	5.2	318	2.5	354	1.1	388	0.3	483
	1976	1.3	336	2.6	328	0.8	421	0.3	647
	1977	1.9	288	1.3	335	0.5	447	0.3	465
	1978	3.3	309	1.3	373	0.6	370	0.3	434
	1979	1.8	333	0.9	369	0.7	425	0.4	459
	1980	2.1	303	1.6	354	0.7	431	0.4	444
	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	1.0	395	0.5	493	0.3	613
	1984	2.4	341	0.8	426	0.4	687	0.2	710
	1985	1.8	306	0.7	412	0.5	532	0.3	710

Table C.6. 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 1975-1985. Blank indicates no measurement taken.

		Mesh size							
		7.6-cm		10.2-cm		12.7-cm		15.2-cm	
Species	Year	No./h	Length	No./h	Length	No./h	Length	No./h	Length
Red drum	1975	0.3	328	0.1	344	<.1	370	<.1	290
	1976	0.2	357	0.1	486	0.2	544	<.1	638
	1977	0.2	328	0.2	455	0.1	561	0.1	546
	1978	0.2	346	0.1	427	0.1	590	<.1	600
	1979	0.6	328	0.1	398	<.1	587	<.1	673
	1980	0.6	327	0.1	480	<.1	554	<.1	540
	1981	0.3	337	0.1	432	0.1	508	<.1	494
	1982	0.1	330	<.1	454	0.1	544	<.1	678
	1983	0.1	348	0.1	456	0.1	549	<.1	529
	1984	0.6	360	0.1	466	0.1	577	<.1	671
	1985	0.4	339	0.2	494	0.2	551	<.1	616
Spotted seatrout	1975	0.2	388	0.2	497	0.1	606	<.1	680
	1976	0.4	367	0.1	443	<.1	418	<.1	645
	1977	0.2	403	0.1	516	<.1	657	<.1	655
	1978	0.1	385	<.1	533	0.0		0.0	
	1979	0.2	381	<.1	508	<.1	592	<.1	431
	1980	0.2	373	0.1	535	<.1	624	<.1	577
	1981	0.3	402	0.1	474	<.1	577	<.1	589
	1982	0.1	396	0.1	535	<.1	584	<.1	577
	1983	0.2	399	0.1	487	<.1	600	<.1	467
	1984	0.1	410	0.1	529	<.1	529	<.1	435
	1985	0.2	384	0.1	508	<.1	505	<.1	546

Table C.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	<.1	232	0.1	311	0.2	387	0.1	445
	1976	<.1	220	0.1	329	0.2	374	<.1	488
	1977	<.1		0.1	317	0.1	398	0.1	479
	1978	<.1	358	0.1	343	<.1	386	<.1	427
	1979	0.1	222	0.1	308	0.1	393	<.1	504
	1980	0.1	243	0.1	337	0.3	383	0.1	438
	1981	0.1	241	0.2	321	0.1	391	0.1	473
	1982	<.1	243	0.3	337	0.2	399	0.1	470
	1983	<.1	323	0.2	337	0.3	415	0.2	481
	1984	<.1	232	0.1	362	0.1	413	<.1	486
	1985	0.1	233	<.1	396	0.1	415	<.1	478
Sheepshead	1975	0.0		0.0		<.1	390	0.1	373
	1976	0.0		0.0		<.1	306	<.1	371
	1977	0.0		<.1	310	0.2	344	<.1	323
	1978	<.1	274	0.0		0.1	360	<.1	376
	1979	0.0		<.1	284	0.1	327	0.1	368
	1980	<.1	288	<.1	320	0.1	364	0.1	390
	1981	<.1	324	<.1	299	0.1	326	<.1	390
	1982	0.0		<.1	328	0.1	345	<.1	394
	1983	<.1	406	<.1	341	<.1	357	<.1	380
	1984	<.1	433	<.1	351	<.1	377	<.1	426
	1985	<.1	188	<.1	339	<.1	347	<.1	395

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

Species	Year	Mesh size: 7.6-cm No./h	7.6-cm Length	10.2-cm No./h	10.2-cm Length	12.7-cm No./h	12.7-cm Length	15.2-cm No./h	15.2-cm Length
Southern flounder	1975	<.1	485	0.1	271	<.1	445	<.1	430
	1976	<.1	344	<.1	316	0.1	348	0.1	383
	1977	0.0		<.1	245	<.1	314	<.1	428
	1978	<.1	306	<.1	336	0.1	372	<.1	398
	1979	<.1	294	<.1	307	<.1	377	<.1	427
	1980	<.1	234	0.1	353	<.1	345	<.1	480
	1981	<.1	295	<.1	333	<.1	356	<.1	384
	1982	<.1	253	<.1	311	<.1	381	<.1	438
	1983	<.1	328	<.1	315	<.1	361	<.1	420
	1984	<.1	275	<.1	305	<.1	369	<.1	417
	1985	<.1	328	<.1	307	<.1	370	<.1	405
Atlantic croaker	1975	0.1	269	0.3	335	<.1	285	0.0	
	1976	0.2	273	0.3	344	0.1	349	<.1	280
	1977	0.1	287	0.6	354	0.1	377	0.0	
	1978	0.4	284	0.1	342	<.1	283	0.0	
	1979	0.1	268	0.4	347	<.1	384	0.0	
	1980	0.6	281	1.0	341	<.1	299	0.0	
	1981	0.4	279	0.3	345	<.1	388	<.1	348
	1982	0.5	293	0.5	350	0.1	382	<.1	311
	1983	0.4	296	0.5	342	<.1	346	<.1	314
	1984	0.4	267	<.1	321	<.1	249	<.1	
	1985	0.5	266	0.1	327	<.1	319	0.0	

Table C.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
Sand seatrout	1975	<.1	360	<.1	280	0.0		<.1	225
	1976	<.1	345	0.1	296	0.1	307	0.1	304
	1977	0.0		0.0		0.0		0.0	
	1978	0.0		0.0		0.0		0.0	
	1979	<.1	313	<.1	275	0.0		0.0	
	1980	0.0		0.0		0.0		0.0	
	1981	<.1	318	<.1	231	<.1	250	0.0	
	1982	<.1	302	<.1	324	<.1	271	<.1	315
	1983	0.0		<.1	252	<.1	277	<.1	300
	1984	<.1	331	<.1	285	<.1	272	<.1	282
	1985	0.0		<.1	223	<.1	235	<.1	312
Gafftopsail catfish	1975	0.0		0.0		<.1	570	<.1	577
	1976	0.0		0.0		0.0		<.1	475
	1977	0.0		0.0		0.0		<.1	600
	1978	0.0		0.0		<.1	538	<.1	569
	1979	0.0		0.0		0.0		0.0	
	1980	0.0		0.0		<.1	507	<.1	592
	1981	<.1	339	<.1	485	<.1	543	<.1	545
	1982	0.0		<.1	495	<.1	516	<.1	571
	1983	<.1	333	<.1	466	<.1	535	<.1	570
	1984	<.1	318	<.1	430	<.1	454	<.1	578
	1985	<.1	324	<.1	505	<.1	550	<.1	558

Table C.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
Gulf menhaden	1975	0.2	269	0.2	300	<.1	275	<.1	275
	1976	0.1	253	0.2	294	<.1	262	0.1	259
	1977	2.1	251	0.2	280	0.2	262	0.1	251
	1978	1.5	251	0.1	252	<.1	259	0.1	246
	1979	0.2	251	<.1	243	<.1	250	<.1	273
	1980	<.1	240	0.0		0.0		<.1	262
	1981	0.2	254	<.1	268	<.1	250	<.1	257
	1982	0.7	256	<.1	250	<.1	260	<.1	252
	1983	0.2	250	<.1	301	<.1	240	<.1	294
	1984	0.3	259	0.2	322	<.1	274	<.1	270
	1985	0.3	249	0.1	288	<.1	254	<.1	252
Hardhead catfish	1975	0.2	316	0.1	342	<.1	340	<.1	320
	1976	0.2	316	<.1	269	0.1	277	0.1	295
	1977	0.1	304	0.1	360	<.1	276	<.1	298
	1978	0.1	325	0.1	319	<.1	274	<.1	328
	1979	0.1	334	0.1	336	0.1	321	<.1	325
	1980	0.1	324	0.1	372	<.1	368	0.0	
	1981	0.2	329	0.1	375	<.1	360	<.1	365
	1982	0.2	330	0.1	369	<.1	369	<.1	358
	1983	0.3	333	0.1	362	<.1	343	<.1	308
	1984	0.2	333	0.1	354	<.1	356	<.1	356
	1985	0.3	329	0.2	380	<.1	357	<.1	329

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

Species	Year	Mesh size: 7.6-cm No./h	7.6-cm Length	10.2-cm No./h	10.2-cm Length	12.7-cm No./h	12.7-cm Length	15.2-cm No./h	15.2-cm Length
Pinfish	1975	0.0		<.1	180	0.0		0.0	
	1976	<.1	193	<.1	218	0.0		0.0	
	1977	0.0		0.0		0.0		0.0	
	1978	<.1	222	<.1	201	0.0		0.0	
	1979	<.1	211	<.1	269	0.0		0.0	
	1980	0.1	227	<.1	279	<.1	215	0.0	
	1981	<.1	225	<.1	272	0.0		0.0	
	1982	0.1	219	<.1	280	<.1	328	<.1	291
	1983	0.1	224	<.1	265	<.1	222	<.1	251
	1984	<.1	212	<.1	248	0.0		0.0	
	1985	<.1	191	<.1	182	0.0		0.0	
Spot	1975	0.7	232	0.1	306	<.1	275	0.0	
	1976	0.3	229	0.0		0.0		0.0	
	1977	0.3	223	<.1	289	0.0		0.0	
	1978	0.2	245	<.1	261	0.0		0.0	
	1979	<.1	235	<.1	294	0.0		0.0	
	1980	0.2	235	0.1	279	0.0		0.0	
	1981	0.1	242	<.1	278	0.0		0.0	
	1982	0.4	245	0.1	301	0.0		0.0	
	1983	0.2	252	0.1	278	0.0		<.1	274
	1984	0.4	248	<.1	299	<.1		0.0	
	1985	0.3	239	<.1	276	0.0		0.0	

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

Species	Year	Mesh size: 7.6-cm No./h	7.6-cm Length	10.2-cm No./h	10.2-cm Length	12.7-cm No./h	12.7-cm Length	15.2-cm No./h	15.2-cm Length
Striped mullet	1975	0.4	319	0.5	409	0.1	424	<.1	390
	1976	0.3	318	<.1	418	<.1	463	0.0	
	1977	0.1	316	0.3	403	<.1	440	0.0	
	1978	0.1	335	<.1	377	<.1	327	<.1	
	1979	0.2	329	0.1	411	<.1	344	<.1	347
	1980	0.2	329	<.1	426	0.0		<.1	460
	1981	0.2	325	<.1	415	<.1	497	<.1	327
	1982	0.2	323	<.1	399	<.1	370	<.1	375
	1983	0.2	334	0.1	396	<.1	373	<.1	386
	1984	0.2	327	0.1	426	<.1	415	<.1	500
	1985	0.2	325	<.1	388	<.1	386	<.1	349
Other finfishes	1975	0.1	277	0.8	347	0.1	567	<.1	240
	1976	0.3	293	0.4	338	0.2	368	0.1	763
	1977	0.5	269	0.8	334	0.1	373	<.1	1180
	1978	<.1	284	0.1	350	<.1	244	<.1	453
	1979	0.1	294	0.2	312	0.1	371	<.1	455
	1980	0.2	242	0.1	315	0.1	341	<.1	769
	1981	0.4	326	0.5	396	0.1	496	0.1	655
	1982	0.4	324	0.3	360	0.1	464	<.1	617
	1983	0.4	307	1.2	360	0.1	428	<.1	661
	1984	0.2	324	0.4	425	<.1	514	<.1	659
	1985	0.2	337	0.1	376	<.1	652	<.1	696

Table C.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
Total finfishes	1975	2.2	290	2.6	358	0.6	438	0.3	407
	1976	2.0	305	1.4	350	1.0	383	0.5	458
	1977	3.6	279	2.5	354	0.9	378	0.4	441
	1978	2.9	291	0.6	339	0.4	391	0.3	427
	1979	1.7	303	1.0	328	0.5	379	0.2	405
	1980	2.3	291	1.7	351	0.7	403	0.3	450
	1981	2.3	316	1.6	380	0.6	427	0.3	496
	1982	2.7	294	1.5	354	0.6	416	0.3	477
	1983	2.2	302	2.5	351	0.8	430	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

Table C.7. 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 1975-1985. Blank indicates no measurement taken.

		Mesh size							
		7.6-cm		10.2-cm		12.7-cm		15.2-cm	
Species	Year	No./h	Length	No./h	Length	No./h	Length	No./h	Length
Red drum	1975	0.1	309	<.1	415	0.1	590	0.1	525
	1976	<.1	328	0.1	385	0.2	559	<.1	569
	1977	0.2	353	0.1	409	0.0		0.0	
	1978	0.2	382	<.1	549	<.1	472	<.1	634
	1979	0.4	351	0.1	450	<.1	518	<.1	610
	1980	0.1	316	0.3	489	0.1	493	<.1	493
	1981	0.1	381	0.1	467	0.1	562	0.1	617
	1982	0.1	336	<.1	476	0.1	562	<.1	648
	1983	0.1	352	<.1	483	0.1	560	<.1	587
	1984	0.2	401	0.3	453	0.1	544	<.1	591
	1985	0.1	328	0.1	472	0.1	584	<.1	533
Spotted seatrout	1975	0.2	423	<.1	543	<.1	620	0.0	
	1976	0.1	402	<.1	488	<.1	668	0.0	
	1977	0.5	374	0.2	486	<.1	612	<.1	588
	1978	0.4	403	0.1	508	0.0		<.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	577	<.1	518
	1982	0.3	396	0.1	529	<.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	619	<.1	

Table C.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
Black drum	1975	0.1	244	0.1	338	0.5	443	0.5	456
	1976	<.1	230	0.1	476	0.4	471	0.6	535
	1977	<.1	210	0.2	327	0.4	423	0.3	469
	1978	<.1	414	0.1	430	0.6	408	0.2	460
	1979	<.1	232	0.2	394	0.1	363	0.1	474
	1980	0.1	254	0.1	347	0.3	391	0.1	473
	1981	0.1	225	<.1	362	0.2	414	0.2	466
	1982	<.1	263	0.2	347	0.5	385	0.1	489
	1983	<.1	254	0.1	368	0.1	412	0.2	471
	1984	0.1	298	<.1	444	0.1	435	0.1	495
	1985	0.1	314	0.3	362	0.5	399	0.1	490
Sheepshead	1975	0.0		<.1	412	0.1	378	0.2	420
	1976	0.0		0.0		<.1	364	0.2	379
	1977	0.0		<.1		0.1	361	0.1	448
	1978	0.0		0.0		0.1	342	0.1	399
	1979	0.0		<.1	358	<.1	368	0.1	416
	1980	0.0		<.1	346	0.1	361	0.1	422
	1981	<.1	390	<.1	320	<.1	379	0.1	392
	1982	0.0		<.1	356	0.1	358	0.1	397
	1983	0.0		<.1	374	0.1	380	0.1	406
	1984	<.1	404	<.1	432	<.1	398	0.1	428
	1985	0.0		<.1	432	<.1	291	<.1	453

Table C.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	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	0.0		<.1	325	<.1	330	<.1	417
	1979	<.1	209	0.0		<.1	386	<.1	458
	1980	<.1	190	0.0		<.1	344	<.1	441
	1981	<.1	249	<.1	346	<.1	416	<.1	451
	1982	<.1	270	<.1	305	<.1	378	<.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
Atlantic croaker	1975	0.1	272	<.1	342	<.1	420	0.0	
	1976	<.1	265	0.3	351	0.1	364	0.0	
	1977	0.1	272	0.7	351	0.1	412	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	266	<.1	350	<.1	270	0.0	
	1981	0.1	260	0.1	346	<.1	382	<.1	454
	1982	0.1	299	0.3	358	<.1	384	<.1	395
	1983	<.1	270	<.1	348	<.1	480	0.0	
	1984	0.1	262	<.1	278	<.1		0.0	
	1985	0.1	292	<.1	345	<.1	376	0.0	

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

Species	Year	Mesh size: 7.6-cm No./h	7.6-cm Length	10.2-cm No./h	10.2-cm Length	12.7-cm No./h	12.7-cm Length	15.2-cm No./h	15.2-cm Length
Sand seatrout	1975	0.0		0.0		0.0		0.0	
	1976	0.0		0.0		0.0		0.0	
	1977	0.0		0.0		<.1	377	0.0	
	1978	0.0		0.0		0.0		0.0	
	1979	<.1	268	0.0		0.0		0.0	
	1980	0.0		0.0		0.0		0.0	
	1981	<.1	320	0.0		<.1	350	0.0	
	1982	0.0		0.0		<.1	265	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	
Gafftopsail catfish	1975	0.0		0.0		0.0		0.0	
	1976	0.0		0.0		0.0		0.0	
	1977	0.0		0.0		<.1	516	<.1	539
	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		<.1	541	0.0	
	1983	0.0		0.0		0.0		0.0	
	1984	0.0		0.0		0.0		0.0	
	1985	0.0		<.1	578	<.1	534	0.0	

Table C.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
Gulf menhaden	1975	0.2	263	0.1	317	0.0		0.0	
	1976	<.1		0.1	317	<.1	325	0.0	
	1977	1.1	244	0.7	293	0.1	225	<.1	290
	1978	0.2	249	<.1	325	0.0		0.0	
	1979	0.1	256	<.1	288	0.0		<.1	
	1980	0.5	250	0.1	247	0.1	247	<.1	240
	1981	0.6	259	0.1	278	<.1	251	<.1	252
	1982	<.1	264	<.1	280	<.1	245	<.1	237
	1983	<.1	272	<.1	310	<.1		0.0	
	1984	0.1	268	<.1	294	<.1	265	<.1	280
	1985	<.1	257	0.1	292	<.1	263	<.1	270
Hardhead catfish	1975	0.4	306	0.1	326	<.1	255	<.1	245
	1976	0.4	304	0.1	268	<.1	259	<.1	267
	1977	0.3	305	<.1	325	<.1	304	<.1	380
	1978	0.4	292	<.1	240	<.1	259	0.0	
	1979	0.2	302	0.1	264	0.1	279	0.0	
	1980	0.2	309	0.1	283	0.1	262	<.1	300
	1981	0.2	310	<.1	330	<.1	289	<.1	280
	1982	0.4	310	0.1	295	<.1	285	<.1	311
	1983	0.8	321	0.2	326	0.1	284	<.1	293
	1984	0.6	311	0.2	310	0.1	284	<.1	285
	1985	0.5	314	0.2	323	<.1	281	<.1	293

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

Species	Year	Mesh size: 7.6-cm No./h	7.6-cm Length	10.2-cm No./h	10.2-cm Length	12.7-cm No./h	12.7-cm Length	15.2-cm No./h	15.2-cm Length
Pinfish	1975	<.1	178	0.0		0.0		0.0	
	1976	0.0		<.1	240	0.0		0.0	
	1977	<.1	191	0.1	294	0.0		0.0	
	1978	<.1	190	<.1	189	0.0		0.0	
	1979	<.1	155	0.0		0.0		0.0	
	1980	<.1	161	0.0		<.1	210	0.0	
	1981	<.1	217	<.1	339	0.0		0.0	
	1982	<.1	207	<.1	284	<.1	185	0.0	
	1983	0.1	178	<.1	326	0.0		0.0	
	1984	<.1	179	<.1	284	0.0		0.0	
	1985	<.1	180	0.0		<.1	195	0.0	
Spot	1975	0.2	238	0.2	302	0.0		0.0	
	1976	<.1	226	<.1	288	0.0		0.0	
	1977	0.2	234	0.1	289	0.0		0.0	
	1978	0.3	242	0.1	290	0.0		0.0	
	1979	0.1	236	<.1	315	<.1	302	0.0	
	1980	0.2	240	0.0		0.0		0.0	
	1981	0.2	243	<.1	279	0.0		0.0	
	1982	0.2	239	<.1	263	0.0		0.0	
	1983	0.1	233	<.1	298	0.0		0.0	
	1984	<.1	230	0.0		<.1		0.0	
	1985	0.4	229	<.1	270	0.0		0.0	

Table C.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
Striped mullet	1975	0.2	326	0.1	414	0.0		0.0	
	1976	0.1	336	0.6	414	<.1	500	0.0	
	1977	0.1	333	0.2	409	<.1	481	<.1	382
	1978	<.1	348	<.1	390	0.0		0.0	
	1979	0.1	348	0.5	422	<.1	430	0.0	
	1980	0.2	333	0.1	423	<.1	354	0.0	
	1981	0.2	343	0.1	427	<.1	348	<.1	384
	1982	0.1	338	<.1	377	<.1	345	0.0	
	1983	0.1	345	0.2	415	0.0		<.1	383
	1984	0.3	347	0.2	408	0.0		<.1	458
	1985	0.1	348	0.2	419	<.1	426	0.0	
Other finfishes	1975	0.1	398	0.3	351	0.1	389	<.1	625
	1976	<.1	1000	0.1	270	<.1	376	<.1	380
	1977	0.1	271	0.3	321	<.1	396	<.1	187
	1978	0.1	497	0.5	327	<.1	327	0.0	
	1979	<.1	332	0.1	349	0.1	390	<.1	
	1980	0.1	436	0.1	371	0.1	404	<.1	596
	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	525	<.1	472
	1985	<.1	381	<.1	355	<.1	407	<.1	367

Table C.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
Total finfishes	1975	1.6	304	1.0	355	0.9	440	0.9	457
	1976	0.8	332	1.5	377	1.0	460	1.0	497
	1977	2.6	294	2.6	341	0.8	398	0.6	462
	1978	1.8	320	1.0	361	0.8	381	0.3	450
	1979	1.0	322	1.0	394	0.4	370	0.2	468
	1980	1.7	300	1.0	385	0.8	374	0.3	453
	1981	1.6	294	0.6	383	0.4	441	0.4	466
	1982	1.4	317	1.0	369	0.8	400	0.3	459
	1983	1.5	312	0.6	381	0.4	427	0.4	449
	1984	1.5	327	0.8	396	0.4	424	0.3	468
	1985	1.6	313	0.9	378	0.7	438	0.2	429

Table C.8. 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 1975-1985. Blank indicates no measurement taken.

		Mesh size							
		7.6-cm		10.2-cm		12.7-cm		15.2-cm	
Species	Year	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	0.3	352	0.4	418	0.3	551	0.2	653
	1977	0.2	353	0.2	470	0.1	483	<.1	701
	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	345	0.1	450	0.1	551	<.1	606
	1983	0.1	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
Spotted seatrout	1975	0.5	374	0.1	491	0.1	489	<.1	602
	1976	1.6	374	0.7	471	0.2	618	0.1	663
	1977	0.6	421	0.1	512	0.1	620	0.1	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	585
	1984	0.3	391	0.1	522	<.1	619	<.1	607
	1985	0.3	392	0.2	531	0.1	619	<.1	556

Table C.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
Black drum	1975	<.1	218	0.2	371	0.2	394	0.6	508
	1976	0.1	328	0.2	346	1.0	399	1.0	474
	1977	0.2	243	0.3	361	1.0	406	1.3	481
	1978	<.1	214	0.1	333	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	464	0.2	506
	1985	<.1	306	0.1	369	0.2	422	0.2	514
Sheepshead	1975	0.0		0.0		<.1	330	0.1	365
	1976	0.0		<.1	302	0.1	325	0.1	364
	1977	0.0		<.1	256	0.2	333	0.2	380
	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	0.1	333	0.1	357
	1983	<.1	225	<.1	313	0.2	333	0.1	368
	1984	<.1	355	<.1	305	<.1	335	<.1	381
	1985	<.1	324	<.1	304	<.1	352	<.1	413

Table C.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	205	<.1	278	0.1	355	<.1	462
	1976	0.0		<.1	362	<.1	393	<.1	419
	1977	0.0		0.0		<.1	330	<.1	
	1978	0.0		<.1	281	<.1	352	0.0	
	1979	<.1	370	<.1	279	<.1	361	0.1	421
	1980	<.1	224	<.1	628	0.1	374	<.1	446
	1981	<.1	305	<.1	338	<.1	397	<.1	410
	1982	<.1	283	0.1	316	0.1	374	<.1	435
	1983	<.1	363	<.1	356	<.1	377	<.1	424
	1984	<.1	225	<.1	283	<.1	321	<.1	396
	1985	<.1	269	<.1	305	<.1	358	<.1	387
Atlantic croaker	1975	<.1	312	0.1	351	0.0		0.0	
	1976	0.1	283	0.2	345	<.1	377	0.0	
	1977	0.1	295	0.1	355	0.0		<.1	371
	1978	<.1	240	<.1	377	0.0		0.0	
	1979	<.1	273	0.1	342	<.1	422	0.0	
	1980	0.2	273	<.1	366	<.1	406	0.0	
	1981	0.3	298	0.1	347	<.1	375	<.1	276
	1982	0.1	292	0.1	351	<.1	393	0.0	
	1983	0.3	284	0.2	348	<.1	419	0.0	
	1984	0.1	262	<.1	312	<.1	237	0.0	
	1985	0.3	269	<.1	338	<.1	330	0.0	

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

Species	Year	Mesh size: 7.6-cm No./h	7.6-cm Length	10.2-cm No./h	10.2-cm Length	12.7-cm No./h	12.7-cm Length	15.2-cm No./h	15.2-cm Length
Sand seatrout	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	0.0		0.0		0.0		0.0	
	1980	0.0		0.0		0.0		<.1	325
	1981	<.1	341	<.1	292	<.1	300	<.1	
	1982	<.1	307	<.1	306	<.1	306	0.0	
	1983	<.1	325	<.1	237	<.1	361	<.1	293
	1984	<.1	323	<.1	288	<.1	296	<.1	290
	1985	<.1	332	<.1	329	<.1	302	0.0	
Gafftopsail catfish	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	0.0		0.0		0.0		0.0	
	1980	0.0		0.0		0.0		0.0	
	1981	<.1	322	<.1	313	<.1	316	0.0	
	1982	0.0		0.0		0.0		0.0	
	1983	0.0		<.1	385	<.1	480	0.0	
	1984	0.0		0.0		<.1	315	0.0	
	1985	0.0		0.0		<.1	511	0.0	

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

Species	Year	Mesh size: 7.6-cm No./h	7.6-cm Length	10.2-cm No./h	10.2-cm Length	12.7-cm No./h	12.7-cm Length	15.2-cm No./h	15.2-cm Length
Gulf	1975	0.0		0.1	312	0.0		0.0	
menhaden	1976	<.1	258	<.1	310	<.1	255	0.0	
	1977	0.1	217	<.1	170	0.0		0.0	
	1978	0.0		0.0		0.0		0.0	
	1979	<.1	266	<.1	321	0.0		0.0	
	1980	0.0		0.1	325	0.0		0.0	
	1981	<.1	253	<.1	327	<.1	268	<.1	255
	1982	<.1	257	<.1	221	0.0		0.0	
	1983	<.1	248	<.1	287	0.0		<.1	280
	1984	0.1	245	0.1	322	<.1	271	<.1	293
	1985	<.1	251	<.1	319	<.1	259	0.0	
Hardhead	1975	0.2	304	0.0		0.1	282	0.0	
catfish	1976	0.3	320	0.2	242	0.1	294	<.1	307
	1977	0.3	308	0.2	316	0.1	412	0.0	
	1978	0.4	325	0.1	347	0.1	413	<.1	375
	1979	0.3	332	0.1	351	<.1	309	<.1	340
	1980	0.2	331	0.2	343	0.1	304	<.1	307
	1981	0.3	329	0.2	369	0.1	374	0.1	329
	1982	0.3	317	0.3	349	0.1	327	0.1	328
	1983	0.5	337	0.3	380	0.1	353	<.1	344
	1984	0.4	321	0.3	345	0.1	322	<.1	314
	1985	0.5	321	0.3	320	0.1	297	<.1	315

Table C.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
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	197	<.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	
Spot	1975	0.2	236	0.0		0.0		0.0	
	1976	0.3	236	0.2	291	0.0		0.0	
	1977	0.4	248	<.1	278	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	231	<.1	257	0.0		0.0	

Table C.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	321	0.1	406	0.0		0.0	
	1976	0.7	329	1.3	414	0.2	496	0.0	
	1977	0.5	327	0.2	407	0.0		0.0	
	1978	0.1	318	0.2	417	0.0		<.1	342
	1979	0.2	338	0.1	413	<.1	401	0.0	
	1980	0.3	330	0.1	402	0.0		<.1	330
	1981	0.6	341	0.3	408	<.1	358	<.1	382
	1982	0.2	346	0.2	408	<.1	380	<.1	374
	1983	0.3	341	0.3	409	<.1	448	<.1	350
	1984	0.3	333	0.1	419	<.1	371	<.1	300
	1985	0.2	331	0.1	428	<.1	434	0.0	
Other finfishes	1975	<.1	423	0.8	348	0.1	475	<.1	452
	1976	0.3	356	0.7	370	0.2	445	0.1	425
	1977	0.7	351	0.3	365	0.1	548	0.1	516
	1978	0.2	354	0.4	335	0.1	602	0.1	711
	1979	0.2	395	0.2	364	0.1	499	<.1	731
	1980	0.1	350	<.1	436	0.1	384	<.1	463
	1981	0.2	354	0.2	353	0.1	474	0.1	605
	1982	0.2	442	0.3	379	0.1	472	0.1	490
	1983	0.2	426	0.2	366	0.1	451	0.1	447
	1984	0.2	428	0.2	420	0.1	784	0.1	730
	1985	0.2	401	0.2	386	0.1	527	0.1	523

Table C.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 finfishes	1975	1.6	331	1.7	373	0.6	426	0.9	514
	1976	3.7	343	4.0	394	2.2	447	1.5	492
	1977	3.0	326	1.6	381	1.5	429	1.7	447
	1978	1.3	336	1.0	374	0.5	465	0.3	562
	1979	1.4	340	1.0	379	0.6	454	0.5	513
	1980	1.3	339	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	1.1	397	0.6	493	0.5	553
	1985	2.1	331	1.4	404	0.8	463	0.4	512

Table C.9. 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 1976-1985. Blank indicates no measurement taken.

		Mesh size							
		7.6-cm		10.2-cm		12.7-cm		15.2-cm	
Species	Year	No./h	Length	No./h	Length	No./h	Length	No./h	Length
Red drum	1976	<.1	310	0.0		0.0		0.0	
	1977	0.1	401	0.1	451	0.1	556	0.0	
	1978	<.1	246	0.1	468	0.0		0.0	
	1979	0.1	345	0.1	479	0.1	548	<.1	693
	1980	0.1	445	0.7	446	<.1	518	0.0	
	1981	0.2	386	0.1	451	<.1	518	<.1	611
	1982	0.3	434	0.4	459	0.1	537	0.1	605
	1983	0.3	423	0.4	461	0.1	547	<.1	624
	1984	0.3	428	0.4	462	0.2	559	0.1	606
	1985	0.1	440	0.3	486	0.1	595	0.1	674
Spotted seatrout	1976	0.0		0.1	530	0.0		0.0	
	1977	<.1	352	0.1	515	<.1	576	<.1	727
	1978	<.1	431	0.1	451	0.1	616	<.1	674
	1979	0.1	379	0.1	475	0.1	653	<.1	639
	1980	0.1	420	0.1	408	0.0		0.0	
	1981	0.2	435	0.1	537	<.1	596	0.0	
	1982	0.2	415	0.2	512	0.1	605	<.1	542
	1983	0.2	433	0.1	532	0.1	621	<.1	674
	1984	0.1	418	0.1	534	0.1	587	<.1	560
	1985	0.2	413	0.2	515	0.1	636	<.1	626

Table C.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	1976	0.1	250	0.0		<.1	370	0.0	
	1977	0.1	223	<.1	571	0.2	397	0.1	522
	1978	0.1	371	<.1	473	0.1	461	0.1	461
	1979	0.2	239	<.1	265	<.1	385	0.1	458
	1980	0.2	225	<.1	430	0.1	370	<.1	415
	1981	0.2	244	0.1	329	0.4	512	<.1	445
	1982	0.2	240	0.1	393	0.1	403	0.1	479
	1983	0.2	239	0.3	324	0.2	379	0.1	459
	1984	0.1	256	0.2	344	0.3	379	0.1	451
	1985	0.1	231	0.2	299	0.1	405	0.1	492
Sheepshead	1976	0.0		0.0		0.0		0.0	
	1977	<.1	197	0.0		0.0		<.1	480
	1978	0.0		0.0		0.0		0.0	
	1979	0.0		<.1	250	0.0		<.1	360
	1980	0.0		0.0		<.1	324	<.1	410
	1981	0.0		<.1	377	<.1	380	<.1	422
	1982	0.0		<.1	292	<.1	314	<.1	355
	1983	0.0		<.1	292	<.1	302	<.1	364
	1984	<.1	457	<.1	327	<.1	328	<.1	385
	1985	0.0		<.1	341	<.1	335	<.1	375

Table C.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
Southern flounder	1976	0.0		0.0		0.0		0.0	
	1977	0.0		0.0		<.1	351	0.0	
	1978	<.1	205	<.1	293	0.0		0.0	
	1979	0.0		0.0		0.0		<.1	451
	1980	<.1	218	<.1	312	<.1	392	<.1	484
	1981	<.1	244	0.0		0.0		0.0	
	1982	<.1	371	<.1	315	<.1	340	<.1	388
	1983	<.1	356	<.1	316	<.1	363	<.1	418
	1984	<.1	358	<.1	298	<.1	348	<.1	371
	1985	<.1	350	<.1	310	<.1	364	<.1	373
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	252	0.0		0.0		0.0	
	1979	0.2	265	0.0		<.1	164	0.0	
	1980	0.1	268	0.0		0.0		0.0	
	1981	0.1	262	0.0		0.0		<.1	246
	1982	0.2	267	<.1	258	0.0		0.0	
	1983	0.2	269	<.1	288	<.1	238	<.1	305
	1984	0.1	264	<.1	256	<.1	291	<.1	231
	1985	0.2	270	<.1	306	<.1		<.1	300

Table C.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
Sand seatrout	1976	<.1	195	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	225	<.1	224	<.1	206	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	<.1	325	0.0		<.1	278	0.0	
	1984	0.0		0.0		<.1	200	0.0	
	1985	<.1		0.0		0.0		<.1	356
Gafftopsail catfish	1976	0.0		1.9	476	3.2	510	1.3	528
	1977	0.0		<.1	436	0.1	493	<.1	524
	1978	0.0		0.0		0.1	514	0.2	557
	1979	0.0		0.0		0.1	486	0.2	549
	1980	<.1	370	<.1	478	0.1	466	0.1	550
	1981	<.1	331	<.1	388	0.1	499	0.1	577
	1982	<.1	396	0.1	429	0.1	516	0.2	552
	1983	<.1	376	<.1	475	0.1	536	0.1	568
	1984	<.1	337	<.1	462	0.1	518	0.1	566
	1985	<.1	410	<.1	460	0.1	533	0.1	566

Table C.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	1976	0.1	250	<.1	260	0.0		<.1	285
	1977	1.9	252	0.1	258	0.2	244	0.2	244
	1978	0.3	243	0.0		0.0		<.1	212
	1979	1.1	253	0.1	227	<.1	236	<.1	263
	1980	0.0		<.1	172	<.1	214	0.0	
	1981	0.4	262	<.1	194	0.0		<.1	245
	1982	0.3	256	<.1	241	<.1	240	<.1	246
	1983	0.7	253	<.1	246	<.1	251	<.1	232
	1984	0.4	253	0.1	271	<.1	244	<.1	250
	1985	0.7	253	<.1	266	<.1	247	<.1	260
Hardhead catfish	1976	1.9	307	0.7	354	<.1	310	0.5	313
	1977	1.6	319	0.5	368	<.1	406	<.1	333
	1978	1.6	328	0.4	374	<.1	313	0.0	
	1979	2.5	318	0.8	359	0.1	368	<.1	371
	1980	1.8	325	0.8	355	<.1	332	0.1	306
	1981	1.3	320	0.2	392	<.1	306	<.1	338
	1982	2.7	327	0.7	352	0.2	332	<.1	312
	1983	2.9	323	0.7	358	0.1	325	0.1	330
	1984	1.5	331	0.6	371	0.1	324	<.1	341
	1985	2.3	321	0.9	364	0.2	330	<.1	327

Table C.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	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		0.0		0.0	
	1982	0.0		0.0		0.0		0.0	
	1983	<.1	210	0.0		0.0		0.0	
	1984	0.0		0.0		0.0		0.0	
	1985	0.0		0.0		0.0		0.0	
Spot	1976	0.4	218	0.0		0.0		0.0	
	1977	0.1	227	0.0		0.0		0.0	
	1978	<.1	225	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	250	0.0		0.0		0.0	
	1982	<.1	244	0.0		0.0		0.0	
	1983	0.1	240	0.0		0.0		0.0	
	1984	<.1	247	0.0		0.0		0.0	
	1985	<.1	233	0.0		0.0		0.0	

Table C.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
Striped mullet	1976	0.1	385	0.0		0.0		0.0	
	1977	0.1	316	<.1	361	0.0		0.0	
	1978	0.0		0.0		0.0		0.0	
	1979	0.1	326	<.1	306	0.0		0.0	
	1980	0.1	343	0.0		0.0		0.0	
	1981	<.1	318	0.0		0.0		0.0	
	1982	0.2	338	<.1	397	0.0		0.0	
	1983	0.2	340	<.1	411	<.1	570	<.1	
	1984	0.1	337	<.1	420	0.0		0.0	
	1985	0.2	325	<.1	428	<.1	430	<.1	425
Other finfishes	1976	<.1	340	0.1	460	0.1	735	<.1	1140
	1977	2.0	293	0.5	383	<.1	548	<.1	1005
	1978	1.2	274	0.3	372	<.1	402	0.1	1048
	1979	0.6	330	0.4	345	<.1	958	0.1	957
	1980	0.2	559	0.1	490	<.1	369	<.1	560
	1981	0.5	309	0.2	379	<.1	725	<.1	489
	1982	0.4	366	0.6	394	0.1	528	<.1	756
	1983	0.3	386	0.6	395	0.1	531	<.1	714
	1984	0.1	352	0.4	388	0.1	502	<.1	673
	1985	0.3	352	0.5	414	0.1	718	<.1	778

Table C.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 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	4.8	308	1.5	355	0.5	490	0.4	606
	1980	2.5	347	1.8	409	0.4	393	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	2.2	397	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

Table C.10. 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 1976-1985. Blank indicates no measurement taken; ND = no data.

		Mesh size							
		7.6-cm		10.2-cm		12.7-cm		15.2-cm	
Species	Year	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	455	<.1	414	<.1	536
	1979	0.1	428	<.1	406	0.0		<.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	0.1	420	0.3	433	0.0		<.1	687
	1983	0.5	395	0.2	444	0.2	568	0.2	624
	1984	0.3	407	0.2	461	0.1	516	0.0	
	1985	0.1	350	0.1	485	0.1	573	0.1	646
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	386	0.2	479	<.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	427	0.2	531	<.1	601	<.1	488
	1985	0.2	405	0.2	512	0.1	535	<.1	542

Table C.10. (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	ND		ND		ND		ND	
	1977	0.2	217	0.1	296	<.1	376	0.0	
	1978	0.1	315	0.1	297	0.1	372	0.1	457
	1979	0.1	246	0.4	302	0.1	369	0.1	428
	1980	0.7	231	0.2	310	0.1	406	<.1	485
	1981	0.3	242	0.3	308	0.2	417	<.1	450
	1982	0.3	232	0.3	291	0.1	401	0.1	459
	1983	0.2	240	1.0	338	1.0	384	0.5	443
	1984	<.1	216	0.3	346	0.4	395	0.2	479
	1985	0.1	239	0.1	312	0.1	384	<.1	455
Sheepshead	1976	ND		ND		ND		ND	
	1977	0.0		0.0		<.1	234	0.0	
	1978	0.0		0.1	291	0.3	295	<.1	341
	1979	0.0		0.0		0.1	297	<.1	297
	1980	0.0		<.1	239	0.2	342	0.1	375
	1981	0.0		0.1	235	<.1	347	0.1	400
	1982	0.0		0.0		0.0		0.0	
	1983	0.0		0.1	305	0.2	307	0.1	331
	1984	0.0		<.1	270	0.2	332	0.1	395
	1985	0.0		<.1	335	0.1	356	0.1	389

Table C.10. (Cont'd.).

Species	Year	Mesh size: 7.6-cm No./h	7.6-cm Length	10.2-cm No./h	10.2-cm Length	12.7-cm No./h	12.7-cm Length	15.2-cm No./h	15.2-cm Length
Southern flounder	1976	ND		ND		ND		ND	
	1977	0.0		<.1	272	0.1	352	<.1	
	1978	0.0		<.1	323	<.1	302	<.1	
	1979	<.1		<.1	278	0.1	348	<.1	357
	1980	<.1		0.1	288	<.1	374	<.1	422
	1981	0.0		0.0		<.1	340	0.0	
	1982	<.1	287	0.0		<.1	351	0.0	
	1983	<.1	317	<.1	291	<.1	345	0.0	
	1984	0.0		<.1	420	<.1	353	<.1	424
	1985	<.1	350	<.1	280	0.1	354	<.1	396
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	244	<.1		0.0		0.0	
	1981	0.1	250	0.0		0.0		0.0	
	1982	0.1	265	0.0		0.0		0.0	
	1983	0.1	277	0.0		0.0		0.0	
	1984	<.1	322	0.0		0.0		0.0	
	1985	<.1	318	0.0		0.0		0.0	

Table C.10. (Cont'd.).

Species	Year	Mesh size: 7.6-cm No./h	7.6-cm Length	10.2-cm No./h	10.2-cm Length	12.7-cm No./h	12.7-cm Length	15.2-cm No./h	15.2-cm 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	
Gafftopsail catfish	1976	ND		ND		ND		ND	
	1977	0.0		0.1	444	0.3	506	0.1	568
	1978	0.0		0.0		<.1	531	0.1	553
	1979	0.0		<.1	409	0.3	531	0.1	580
	1980	0.0		<.1	502	0.1	552	0.1	587
	1981	<.1	357	0.1	414	0.1	486	0.1	576
	1982	0.0		0.1	417	0.1	508	<.1	603
	1983	<.1	376	0.0		0.0		<.1	574
	1984	0.0		0.0		0.0		<.1	579
	1985	0.0		<.1	438	<.1	483	<.1	494

Table C.10. (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	ND		ND		ND		ND	
	1977	0.2	243	0.4	324	0.0		0.0	
	1978	0.0		0.0		<.1	194	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	<.1	281	0.0		0.0		0.0	
Hardhead catfish	1976	ND		ND		ND		ND	
	1977	0.1	298	0.1	317	0.0		<.1	333
	1978	0.2	307	0.1	359	0.0		0.0	
	1979	0.1	326	0.1	389	<.1	240	0.0	
	1980	0.7	314	0.2	337	<.1		0.1	304
	1981	0.7	328	0.4	364	<.1	349	<.1	315
	1982	1.0	334	0.3	355	0.1	347	<.1	349
	1983	0.8	334	0.2	376	<.1	290	<.1	295
	1984	0.4	323	0.1	369	<.1	325	0.0	
	1985	0.6	315	0.5	367	0.1	346	<.1	351

Table C.10. (Cont'd.).

Species	Year	Mesh size: 7.6-cm No./h	7.6-cm Length	10.2-cm No./h	10.2-cm Length	12.7-cm No./h	12.7-cm Length	15.2-cm No./h	15.2-cm Length
Pinfish	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	<.1	230	0.0		0.0		0.0	
	1982	<.1	205	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	
Spot	1976	ND		ND		ND		ND	
	1977	<.1	233	0.0		0.0		0.0	
	1978	<.1	256	0.0		0.0		0.0	
	1979	<.1	259	0.0		0.0		0.0	
	1980	<.1	233	0.0		0.0		0.0	
	1981	<.1	230	0.0		0.0		0.0	
	1982	0.0		0.0		0.0		0.0	
	1983	<.1	233	0.0		0.0		0.0	
	1984	<.1	220	<.1	357	0.0		0.0	
	1985	<.1		0.0		0.0		0.0	

Table C.10. (Cont'd.).

Species	Year	Mesh size: 7.6-cm No./h	7.6-cm Length	10.2-cm No./h	10.2-cm Length	12.7-cm No./h	12.7-cm Length	15.2-cm No./h	15.2-cm Length
Striped mullet	1976	ND		ND		ND		ND	
	1977	0.0		0.0		0.0		0.0	
	1978	0.1	327	0.0		0.0		0.0	
	1979	0.1	326	<.1	407	0.0		0.0	
	1980	<.1	338	0.0		0.0		0.0	
	1981	0.1	345	0.0		0.0		0.0	
	1982	0.2	295	0.0		0.0		0.0	
	1983	0.1	342	<.1	395	0.0		0.0	
	1984	0.2	340	0.0		0.0		0.0	
	1985	0.2	325	<.1	386	0.0		0.0	
Other finfishes	1976	ND		ND		ND		ND	
	1977	0.1	298	0.1	357	<.1	378	0.1	854
	1978	0.2	278	<.1	343	<.1	164	0.0	
	1979	0.1	327	<.1	448	<.1	695	<.1	
	1980	0.2	271	0.0		0.0		<.1	1120
	1981	0.8	277	<.1		0.0		0.0	
	1982	0.6	323	0.1	353	<.1	855	0.0	
	1983	0.4	297	0.1	310	<.1	168	<.1	1020
	1984	0.1	287	0.1	362	0.0		<.1	
	1985	0.2	434	0.1	430	0.1	855	<.1	961

Table C.10. (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	ND		ND		ND		ND	
	1977	2.1	349	1.5	396	0.5	477	0.2	635
	1978	1.1	349	0.5	364	0.5	331	0.2	496
	1979	0.8	337	0.8	383	0.6	450	0.3	503
	1980	2.4	306	0.9	368	0.4	399	0.4	478
	1981	3.5	337	1.4	393	0.4	429	0.2	479
	1982	2.9	337	1.3	394	0.3	475	0.2	496
	1983	3.5	366	1.9	369	1.5	396	0.8	473
	1984	1.5	362	1.0	411	0.8	410	0.4	459
	1985	1.6	351	1.1	404	0.6	472	0.4	547

Table C.11. 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 spring 1976-1985. Blank indicates no measurement taken.

		Mesh size							
		7.6-cm		10.2-cm		12.7-cm		15.2-cm	
Species	Year	No./h	Length	No./h	Length	No./h	Length	No./h	Length
Red drum	1976	0.2	396	0.2	428	<.1	600	<.1	390
	1977	<.1	423	0.1	476	0.0		0.0	
	1978	0.1	418	0.2	442	0.1	550	0.1	589
	1979	0.1	404	<.1	434	<.1	360	<.1	457
	1980	0.8	378	0.2	402	0.1	431	0.0	
	1981	0.2	407	<.1	422	0.0		0.0	
	1982	0.3	406	0.2	423	<.1	565	<.1	604
	1983	0.5	387	0.1	435	<.1	514	<.1	582
	1984	0.1	409	<.1	452	<.1	565	<.1	568
	1985	<.1	388	<.1	466	<.1	516	<.1	589
Spotted seatrout	1976	0.1	422	0.0		0.0		0.0	
	1977	0.2	380	0.0		0.0		0.0	
	1978	0.4	373	0.2	494	0.0		0.0	
	1979	0.1	420	0.1	531	<.1	631	0.0	
	1980	0.4	384	0.2	495	<.1	531	0.0	
	1981	0.3	387	<.1	524	0.0		0.0	
	1982	0.2	403	0.2	486	0.1	571	<.1	527
	1983	0.4	413	0.2	499	<.1	571	<.1	522
	1984	0.2	405	0.1	509	<.1	471	<.1	460
	1985	0.1	393	<.1	499	<.1	631	0.0	

Table C.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
Black drum	1976	<.1	218	<.1	270	0.0		0.3	468
	1977	0.1	241	0.1	533	0.2	663	0.1	521
	1978	0.1	220	0.1	298	<.1	388	<.1	498
	1979	0.2	236	0.2	390	0.1	647	<.1	459
	1980	0.4	270	0.2	328	0.1	611	<.1	780
	1981	0.2	227	0.1	301	<.1	673	<.1	640
	1982	0.2	262	0.1	348	0.1	431	0.1	504
	1983	0.1	248	0.3	331	0.1	426	0.1	529
	1984	<.1	236	<.1	329	0.1	482	<.1	482
	1985	0.1	282	<.1	349	<.1	814	<.1	736
Sheepshead	1976	0.0		0.0		0.0		<.1	420
	1977	0.0		<.1	242	<.1	292	<.1	329
	1978	0.0		<.1	278	0.0		0.0	
	1979	0.0		0.0		<.1	362	<.1	420
	1980	0.0		<.1	242	0.1	348	<.1	389
	1981	<.1	370	<.1	536	0.0		0.0	
	1982	0.0	221	<.1	276	<.1	314	<.1	381
	1983	<.1	403	<.1	345	0.1	359	<.1	398
	1984	0.0		<.1	286	<.1	419	<.1	419
	1985	0.0		<.1	328	<.1	289	<.1	398

Table C.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		<.1	265	<.1	391	0.0	
	1978	0.0		0.0		<.1	346	<.1	315
	1979	0.0		<.1	294	<.1		0.0	
	1980	0.0		<.1	276	<.1	339	0.0	
	1981	0.0		<.1	270	0.0		0.0	
	1982	<.1	310	<.1	291	<.1	316	<.1	335
	1983	<.1	312	<.1	295	<.1	376	<.1	375
	1984	<.1	286	<.1	310	<.1	315	<.1	383
	1985	<.1	279	<.1	312	<.1	343	<.1	398
Atlantic croaker	1976	0.0		0.0		0.0		<.1	
	1977	0.0		0.0		0.0		0.0	
	1978	<.1	293	0.0		0.0		0.0	
	1979	<.1	264	0.0		0.0		0.0	
	1980	0.0		0.0		0.0		0.0	
	1981	<.1	276	0.0		0.0		0.0	
	1982	<.1	270	0.0		0.0		0.0	
	1983	<.1	273	0.0		0.0		0.0	
	1984	<.1	254	<.1	140	0.0		0.0	
	1985	<.1	260	<.1		0.0		0.0	

Table C.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
Sand seatrout	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		0.0		<.1	270
	1982	0.0		0.0		0.0		<.1	171
	1983	0.0		<.1	272	0.0		0.0	
	1984	0.0		<.1	180	0.0		0.0	
	1985	0.0		<.1	172	<.1		0.0	
Cafftopsail catfish	1976	0.0		0.0		0.1	408	0.1	580
	1977	0.0		<.1	518	0.3	539	0.5	569
	1978	0.0		0.1	451	0.4	527	0.6	576
	1979	0.0		<.1	475	0.1	545	0.2	562
	1980	0.0		0.0		0.1	534	0.4	561
	1981	<.1	386	0.1	440	0.3	550	0.4	570
	1982	0.0		<.1	500	0.1	516	0.3	561
	1983	0.0		<.1	466	0.1	535	0.1	555
	1984	<.1	502	0.2	477	0.4	533	0.4	556
	1985	<.1	338	<.1	408	<.1	526	0.1	554

Table C.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
Gulf menhaden	1976	<.1	250	0.0		0.0		0.0	
	1977	<.1	245	0.0		<.1	244	0.0	
	1978	0.1	245	0.0		<.1	240	0.0	
	1979	0.1	251	<.1	250	0.0		0.0	
	1980	<.1	256	0.0		<.1	242	0.0	
	1981	0.2	255	0.0		0.0		0.0	
	1982	<.1	246	<.1	221	<.1	274	<.1	262
	1983	0.1	250	<.1	258	<.1	254	<.1	246
	1984	0.1	249	<.1	265	<.1	238	<.1	245
	1985	0.2	246	<.1	218	<.1	219	<.1	193
Hardhead catfish	1976	<.1	285	0.1	315	0.0		<.1	250
	1977	1.0	310	0.5	348	0.2	279	0.2	301
	1978	0.1	306	0.1	284	<.1	276	0.0	
	1979	0.5	315	0.1	313	0.0		0.0	
	1980	0.2	314	<.1		<.1	330	<.1	333
	1981	1.3	329	0.2	325	0.1	318	0.0	
	1982	0.6	321	0.2	352	<.1	298	<.1	338
	1983	0.3	314	0.1	330	<.1	310	<.1	308
	1984	0.6	317	0.3	349	<.1	281	<.1	303
	1985	0.3	319	0.1	363	<.1	315	<.1	317

Table C.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
Pinfish	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		0.0		0.0	
	1982	<.1	217	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	
Spot	1976	0.0		0.0		0.0		0.0	
	1977	0.0		0.0		0.0		0.0	
	1978	<.1	232	0.0		0.0		0.0	
	1979	<.1	250	0.0		0.0		0.0	
	1980	0.0		0.0		0.0		0.0	
	1981	<.1	240	0.0		0.0		0.0	
	1982	<.1	260	0.0		0.0		0.0	
	1983	0.1	238	0.0		0.0		0.0	
	1984	<.1	291	<.1		0.0		0.0	
	1985	<.1	265	0.0		0.0		0.0	

Table C.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
Striped mullet	1976	0.1	322	0.0		0.0		0.0	
	1977	0.2	314	0.0		0.0		0.0	
	1978	0.3	330	<.1	409	0.0		0.0	
	1979	0.1	341	0.0		0.0		0.0	
	1980	0.4	335	<.1	325	0.0		0.0	
	1981	<.1	336	0.0		0.0		0.0	
	1982	0.2	324	<.1	361	0.0		0.0	
	1983	0.1	343	<.1	405	0.0		0.0	
	1984	0.2	325	0.1	460	0.0		0.0	
	1985	0.1	330	<.1	431	0.0		0.0	
Other finfishes	1976	0.2	271	0.6	386	0.0		0.0	
	1977	1.3	473	0.4	480	<.1	618	0.1	1037
	1978	1.0	310	0.2	441	0.1	814	0.2	1086
	1979	0.9	348	0.2	456	0.1	590	0.1	896
	1980	1.1	403	0.2	628	0.1	954	0.1	1057
	1981	1.1	295	0.2	596	0.1	827	0.3	879
	1982	1.4	447	0.3	539	0.2	733	0.1	902
	1983	0.8	413	0.2	591	0.1	855	0.1	877
	1984	0.7	500	0.2	543	0.1	799	0.1	924
	1985	0.4	422	0.1	586	0.1	810	0.1	937

Table C.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	0.7	333	1.0	381	0.2	456	0.6	467
	1977	2.9	385	1.2	426	0.8	487	1.0	590
	1978	2.3	321	1.0	416	0.7	535	0.9	686
	1979	2.0	331	0.8	423	0.4	566	0.4	607
	1980	3.3	363	0.9	428	0.6	553	0.6	673
	1981	3.3	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	362	1.1	421	0.5	535	0.4	598
	1984	1.9	361	1.0	438	0.7	558	0.6	634
	1985	1.3	350	0.4	459	0.2	634	0.2	745

Table C.12. 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 1976-1985. Blank indicates no measurement taken.

		Mesh size							
		7.6-cm		10.2-cm		12.7-cm		15.2-cm	
Species	Year	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	
	1977	0.2	367	0.1	422	0.0		0.0	
	1978	0.1	395	<.1	428	0.0		0.0	
	1979	0.1	397	0.1	465	<.1	449	0.0	
	1980	0.4	384	0.3	422	<.1	448	0.0	
	1981	0.5	383	<.1	407	<.1	519	0.0	
	1982	0.2	391	0.1	431	<.1	457	<.1	615
	1983	0.6	366	0.1	427	<.1	566	<.1	650
	1984	<.1	439	0.1	516	<.1	547	<.1	503
	1985	<.1	394	0.1	479	<.1	485	<.1	668
Spotted seatrout	1976	0.1		0.3	382	0.1		0.0	
	1977	0.8	382	0.1	431	<.1	670	0.0	
	1978	1.1	391	0.2	484	<.1	473	0.0	
	1979	0.1	443	0.0		0.0		0.0	
	1980	0.7	377	0.2	501	<.1	365	<.1	612
	1981	0.3	390	0.2	528	0.1	507	<.1	404
	1982	0.6	400	0.2	508	<.1	551	<.1	384
	1983	0.6	408	0.2	506	<.1	549	<.1	444
	1984	0.1	431	0.1	530	<.1	575	<.1	484
	1985	0.2	406	0.1	518	<.1	574	0.0	

Table C.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
Black drum	1976	0.8	300	0.2	335	0.0		0.0	
	1977	0.2	238	0.6	306	0.1	475	0.0	
	1978	<.1	273	<.1	292	0.0		<.1	496
	1979	<.1	307	0.0		<.1	386	<.1	578
	1980	0.3	236	0.1	299	<.1	373	<.1	470
	1981	<.1	251	0.2	314	0.1	407	<.1	497
	1982	0.3	240	0.2	334	0.1	420	0.1	495
	1983	0.2	248	0.3	345	0.1	430	<.1	464
	1984	<.1	252	0.1	424	0.1	500	<.1	530
	1985	<.1	315	<.1	308	<.1	746	<.1	736
Sheepshead	1976	0.2	302	0.0		0.2	380	0.0	
	1977	0.0		0.0		0.1	295	<.1	386
	1978	0.0		<.1	280	<.1	350	<.1	323
	1979	0.0		0.0		<.1	402	0.0	
	1980	<.1	234	<.1	253	<.1	387	<.1	448
	1981	0.0		0.1	246	0.3	309	0.2	394
	1982	<.1	295	<.1	295	<.1	339	0.1	395
	1983	<.1	312	<.1	329	0.1	383	<.1	414
	1984	<.1	417	<.1	389	0.1	386	0.1	409
	1985	<.1	346	<.1	358	<.1	404	<.1	440

Table C.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	0.0		0.1	335	0.0		0.0	
	1977	<.1	208	0.0		0.0		0.0	
	1978	<.1	236	<.1	303	<.1	311	0.0	
	1979	<.1	350	<.1		<.1	374	<.1	422
	1980	<.1	325	<.1	310	<.1	324	0.0	
	1981	<.1	281	<.1	322	0.0		0.0	
	1982	<.1	225	<.1	276	<.1	339	<.1	369
	1983	<.1	386	<.1	305	<.1	344	<.1	386
	1984	<.1	279	<.1	310	<.1	342	<.1	304
	1985	<.1	319	<.1	314	<.1	332	<.1	357
Atlantic croaker	1976	0.2		0.0		0.0		0.0	
	1977	<.1	238	0.0		0.0		0.0	
	1978	<.1	250	0.0		0.0		0.0	
	1979	0.0		0.0		0.0		0.0	
	1980	<.1	235	0.0		0.0		0.0	
	1981	0.0		0.0		0.0		0.0	
	1982	<.1	268	<.1	285	0.0		0.0	
	1983	<.1	268	0.0		0.0		0.0	
	1984	<.1	282	0.0		0.0		0.0	
	1985	<.1	227	0.0		<.1	142	0.0	

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

Species	Year	Mesh size: 7.6-cm No./h	7.6-cm Length	10.2-cm No./h	10.2-cm Length	12.7-cm No./h	12.7-cm Length	15.2-cm No./h	15.2-cm Length
Sand seatrout	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		<.1	209	0.0	
	1980	0.0		0.0		0.0		0.0	
	1981	<.1	378	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		<.1	236	0.0		0.0	
	1985	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	0.3	558
	1979	<.1	463	<.1	576	0.1	531	0.3	541
	1980	0.0		<.1	481	0.6	536	0.5	564
	1981	0.0		<.1	467	0.2	497	0.4	568
	1982	0.0		0.1	498	0.6	531	0.7	561
	1983	<.1	499	0.2	484	0.8	525	0.9	554
	1984	<.1	396	0.1	485	0.4	518	0.6	562
	1985	0.0		0.1	450	0.3	536	0.4	565

Table C.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
Gulf menhaden	1976	0.0		0.0		0.1	275	0.0	
	1977	0.0		<.1	270	<.1	153	<.1	237
	1978	1.0	254	<.1	255	0.1	289	0.0	
	1979	0.0		<.1	132	0.0		0.0	
	1980	<.1	238	<.1	324	<.1	282	0.0	
	1981	<.1	266	<.1	291	0.1	237	<.1	263
	1982	0.1	241	<.1	298	<.1	239	0.1	243
	1983	0.1	249	<.1	226	<.1	241	<.1	234
	1984	<.1	251	0.1	319	<.1	248	<.1	244
	1985	0.2	245	<.1	232	<.1	224	<.1	250
Hardhead catfish	1976	0.3	402	1.1	291	0.1	280	0.0	
	1977	0.5	315	0.2	356	0.1	256	0.0	
	1978	0.7	310	0.2	355	<.1	260	0.0	
	1979	0.3	325	0.1	382	<.1	329	<.1	358
	1980	0.4	318	0.3	347	0.1	313	0.1	319
	1981	0.7	314	0.3	351	0.1	336	<.1	326
	1982	1.1	319	0.7	347	0.1	331	0.1	369
	1983	0.7	330	0.6	358	0.1	319	0.1	318
	1984	1.1	330	0.7	355	0.2	307	0.1	314
	1985	0.7	339	0.6	358	0.2	320	<.1	335

Table C.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
Pinfish	1976	0.0		0.0		0.0		0.0	
	1977	0.0		0.0		0.0		0.0	
	1978	<.1	196	<.1	222	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	213	<.1	238	0.0		0.0	
	1983	0.0		0.0		0.0		0.0	
	1984	<.1		0.0		0.0		0.0	
	1985	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		<.1	248	0.0	
	1985	<.1	238	0.0		0.0		0.0	

Table C.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
Striped mullet	1976	0.0		0.1	338	0.0		0.0	
	1977	0.9	317	0.0		0.0		0.0	
	1978	0.2	334	0.0		0.0		0.0	
	1979	0.8	342	<.1	436	0.0		0.0	
	1980	0.2	323	<.1	429	0.0		0.0	
	1981	<.1	331	<.1	372	0.0		0.0	
	1982	0.2	330	<.1	362	0.0		0.0	
	1983	0.2	338	<.1	400	0.0		0.0	
	1984	0.2	333	<.1	407	0.0		0.0	
	1985	0.1	327	<.1	398	0.0		0.0	
Other finfishes	1976	0.1	570	0.0		0.2	502	0.2	760
	1977	0.4	426	0.2	406	0.1	589	0.1	1153
	1978	1.2	459	0.3	464	0.2	687	<.1	1079
	1979	0.8	454	0.2	643	0.1	748	0.1	887
	1980	0.4	457	0.2	603	0.1	717	<.1	824
	1981	1.3	391	0.2	470	0.3	635	0.2	865
	1982	0.4	448	0.1	562	0.1	648	0.1	896
	1983	0.6	454	0.2	571	0.1	691	0.1	766
	1984	0.6	514	0.2	552	0.1	714	0.1	848
	1985	0.2	679	0.2	761	0.1	907	0.1	1103

Table C.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
Total finfishes	1976	2.6	363	2.3	332	1.7	472	1.0	466
	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	2.2	415	0.4	505	0.2	573	0.5	587
	1980	2.5	358	1.1	427	0.9	503	0.7	547
	1981	3.0	364	1.1	399	1.2	455	1.0	572
	1982	3.0	341	1.6	418	1.0	472	1.1	533
	1983	3.1	346	1.7	419	1.4	493	1.2	548
	1984	2.2	368	1.5	434	1.0	484	0.9	517
	1985	1.6	395	1.2	480	0.7	549	0.6	623

Table C.13. Mean catch rates (No./h) and mean total lengths (mm) by mesh size for selected fishes caught with gill nets in the Aransas Bay system during spring 1976-1985. Blank indicates no measurement taken.

		Mesh size							
		7.6-cm		10.2-cm		12.7-cm		15.2-cm	
Species	Year	No./h	Length	No./h	Length	No./h	Length	No./h	Length
Red drum	1976	0.2	394	0.6	458	0.1	600	0.1	362
	1977	0.3	363	0.1	480	0.1	475	0.0	
	1978	<.1	403	<.1		0.1	468	0.0	
	1979	0.3	402	0.1	464	<.1	505	<.1	443
	1980	0.3	353	<.1	413	<.1	443	<.1	394
	1981	0.3	369	<.1	471	0.1	488	<.1	458
	1982	0.3	400	0.1	453	<.1	522	<.1	631
	1983	0.4	371	0.1	415	<.1	430	<.1	517
	1984	0.2	414	0.1	421	<.1	512	<.1	435
	1985	0.1	413	0.2	451	0.1	547	<.1	527
Spotted seatrout	1976	1.8	410	0.7	527	0.4	585	0.4	480
	1977	0.8	372	0.1	506	0.1	615	0.0	
	1978	0.1	381	<.1	502	<.1		0.0	
	1979	0.2	445	0.2	543	<.1	578	<.1	606
	1980	0.1	399	0.1	517	<.1	600	0.0	
	1981	0.5	414	0.2	533	0.1	619	<.1	690
	1982	0.5	400	0.2	494	0.1	535	<.1	456
	1983	0.4	410	0.2	516	<.1	546	<.1	401
	1984	0.2	407	0.1	490	<.1	443	0.0	
	1985	0.2	394	0.1	516	<.1	498	<.1	545

Table C.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
Black drum	1976	0.0		0.1	320	0.6	388	0.2	428
	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	228	0.1	310	0.2	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	671	0.1	541	<.1	480	<.1	573
	1985	0.1	276	0.1	306	<.1	467	0.1	565
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	398
	1985	<.1	381	0.0		<.1	363	<.1	393

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

Species	Year	Mesh size: 7.6-cm No./h	7.6-cm Length	10.2-cm No./h	10.2-cm Length	12.7-cm No./h	12.7-cm Length	15.2-cm No./h	15.2-cm Length
Southern flounder	1976	0.0		0.0		0.0		0.0	
	1977	0.0		<.1	282	0.1	383	0.0	
	1978	0.0		<.1	338	0.0		0.0	
	1979	0.0		<.1	281	0.0		0.0	
	1980	<.1	263	<.1	307	<.1	312	0.0	
	1981	0.0		0.0		<.1	363	<.1	
	1982	<.1	266	<.1	292	<.1	346	<.1	324
	1983	<.1	306	<.1	297	<.1	356	<.1	400
	1984	<.1	301	<.1	272	<.1	337	<.1	433
	1985	<.1	322	<.1	319	<.1	378	<.1	361
Atlantic croaker	1976	0.0		0.0		0.0		0.0	
	1977	<.1	285	0.0		0.0		0.0	
	1978	<.1	248	0.0		0.0		0.0	
	1979	0.0		0.0		0.0		0.0	
	1980	<.1	240	0.0		0.0		0.0	
	1981	<.1	274	<.1	320	<.1	310	0.0	
	1982	<.1	264	0.0		0.0		0.0	
	1983	<.1	286	0.0		0.0		0.0	
	1984	<.1	269	<.1		0.0		0.0	
	1985	<.1	115	0.0		<.1		0.0	

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

Species	Year	Mesh size: 7.6-cm No./h	7.6-cm Length	10.2-cm No./h	10.2-cm Length	12.7-cm No./h	12.7-cm Length	15.2-cm No./h	15.2-cm Length
Sand seatrout	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		0.0		0.0	
	1982	0.0		0.0		0.0		<.1	230
	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	
Gafftopsail catfish	1976	0.0		0.0		0.0		0.0	
	1977	<.1	335	0.9	473	1.6	514	0.5	553
	1978	0.0		0.0		<.1	540	<.1	550
	1979	0.0		0.1	439	0.2	537	0.3	574
	1980	0.0		0.0		0.2	531	0.2	572
	1981	0.0		0.1	474	0.6	530	0.7	561
	1982	<.1	420	0.1	500	0.3	528	0.5	573
	1983	<.1	565	0.1	466	0.4	528	0.4	575
	1984	<.1	548	0.1	497	0.2	539	0.2	577
	1985	<.1	386	<.1	425	<.1	548	0.1	576

Table C.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	0.0		0.0		0.0		0.0	
	1977	0.3	247	0.0		0.0		0.0	
	1978	0.0		0.0		0.0		0.0	
	1979	0.0		0.0		<.1	247	<.1	230
	1980	<.1	271	0.0		0.0		0.0	
	1981	0.1	255	<.1	256	<.1	252	<.1	247
	1982	0.1	253	<.1	250	<.1	226	<.1	239
	1983	0.1	245	<.1	255	<.1	223	<.1	245
	1984	0.2	249	<.1	252	<.1	228	<.1	254
	1985	0.3	251	<.1	224	<.1	250	<.1	254
Hardhead catfish	1976	1.6	333	0.4	376	0.2	290	0.1	265
	1977	0.2	293	0.2	324	<.1	264	0.0	
	1978	0.2	341	0.1	356	0.0		0.0	
	1979	0.4	314	0.1	369	<.1	279	<.1	365
	1980	0.2	328	0.1	370	<.1	332	<.1	399
	1981	0.5	331	0.3	370	<.1	353	<.1	334
	1982	0.6	321	0.4	364	0.1	312	<.1	314
	1983	0.4	325	0.4	365	0.1	346	<.1	343
	1984	0.6	323	0.5	367	0.1	351	<.1	337
	1985	0.4	334	0.3	368	0.1	313	<.1	325

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

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

Table C.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
Striped mullet	1976	0.3	315	0.3	417	0.1		0.0	
	1977	0.8	319	0.0		0.0		0.0	
	1978	0.2	314	<.1	433	0.0		0.0	
	1979	0.1	333	<.1	435	<.1		0.0	
	1980	0.1	337	0.0		0.0		0.0	
	1981	0.1	337	<.1	320	0.0		0.0	
	1982	0.2	332	<.1	363	0.0		0.0	
	1983	0.2	337	<.1	426	0.0		0.0	
	1984	0.3	332	<.1	404	0.0		0.0	
	1985	0.2	335	<.1	420	0.0		0.0	
Other finfishes	1976	0.3	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	0.3	402	0.1	392	<.1	1008	0.1	905
	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	1023

Table C.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	4.2	384	2.2	462	1.7	433	1.5	411
	1977	2.8	318	2.3	420	2.3	516	0.7	595
	1978	0.8	307	0.5	382	0.3	487	0.3	637
	1979	1.4	364	0.8	437	0.6	460	0.5	554
	1980	1.3	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	444	0.6	533	0.4	582
	1985	1.7	355	1.0	474	0.4	601	0.4	662

Table C.14. 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 1976-1985. Blank indicates no measurement taken.

		Mesh size							
		7.6-cm		10.2-cm		12.7-cm		15.2-cm	
Species	Year	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	
	1977	0.1	354	0.2	441	<.1	388	0.0	
	1978	0.0		0.2	437	<.1	523	<.1	655
	1979	<.1	432	0.2	466	<.1	415	<.1	689
	1980	0.3	383	0.5	430	0.1	476	0.1	638
	1981	0.1	357	0.1	449	<.1	534	<.1	502
	1982	0.1	426	0.3	451	0.1	513	<.1	568
	1983	0.2	372	0.1	426	<.1	523	<.1	536
	1984	0.1	398	0.4	434	0.2	525	0.1	491
	1985	0.1	429	0.4	452	<.1	549	<.1	518
Spotted seatrout	1976	0.3	322	0.1	496	0.0		0.0	
	1977	0.3	368	<.1	310	<.1	505	0.0	
	1978	0.3	355	0.2	524	<.1	596	<.1	624
	1979	0.1	429	0.1	533	0.1	635	<.1	624
	1980	0.1	435	0.1	539	0.1	561	<.1	499
	1981	0.3	371	0.2	515	<.1	619	<.1	672
	1982	0.4	409	0.3	521	0.1	590	<.1	571
	1983	0.3	407	0.2	528	0.1	611	<.1	610
	1984	0.1	411	0.1	509	<.1	541	<.1	506
	1985	0.2	393	0.1	549	0.1	511	<.1	564

Table C.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
Black drum	1976	0.0		0.4	300	0.0		0.3	440
	1977	<.1	225	0.2	291	0.2	386	0.1	427
	1978	<.1	245	0.2	291	0.2	373	0.0	
	1979	<.1	276	<.1	289	0.1	416	<.1	473
	1980	<.1	251	0.1	294	0.1	395	<.1	476
	1981	<.1	239	<.1	308	<.1	387	<.1	572
	1982	0.1	245	0.1	321	0.2	376	<.1	465
	1983	0.1	240	0.3	329	0.3	389	0.2	458
	1984	<.1	348	0.1	375	0.2	422	0.1	467
	1985	<.1	284	0.1	304	<.1	340	<.1	467
Sheepshead	1976	0.0		0.0		0.0		0.0	
	1977	0.0		0.0		0.1	252	0.1	336
	1978	0.0		<.1	350	<.1	322	0.2	362
	1979	0.0		<.1	283	0.2	352	0.3	378
	1980	0.0		<.1	266	0.1	333	<.1	327
	1981	<.1	242	<.1	288	<.1	318	<.1	381
	1982	<.1	262	<.1	318	0.1	327	0.1	366
	1983	<.1	303	<.1	317	0.2	352	0.1	404
	1984	0.0		<.1	284	<.1	372	0.1	390
	1985	<.1	415	<.1	420	0.1	399	0.1	445

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

Species	Year	Mesh size 7.6-cm No./h	7.6-cm Length	10.2-cm No./h	10.2-cm Length	12.7-cm No./h	12.7-cm Length	15.2-cm No./h	15.2-cm Length
Southern flounder	1976	0.0		0.0		0.0		0.0	
	1977	0.0		<.1		0.0		<.1	430
	1978	0.0		<.1	310	0.1	362	0.0	
	1979	<.1		<.1	322	<.1	372	0.1	409
	1980	0.0		<.1	271	<.1	362	<.1	312
	1981	<.1	266	<.1	290	<.1	390	0.0	
	1982	<.1	212	<.1	318	<.1	376	<.1	422
	1983	<.1	439	<.1	319	<.1	379	<.1	414
	1984	<.1	356	<.1	401	0.1	367	<.1	405
	1985	<.1	282	<.1	306	<.1	365	<.1	408
Atlantic croaker	1976	1.0	227	0.0		0.0		0.0	
	1977	0.9	260	0.1	300	0.0		0.0	
	1978	0.1	246	0.0		0.0		<.1	487
	1979	0.1	264	0.0		0.0		0.0	
	1980	0.1	268	<.1	314	0.0		0.0	
	1981	0.1	270	<.1	221	0.0		0.0	
	1982	0.1	275	<.1	353	<.1	250	<.1	223
	1983	0.2	263	<.1	341	<.1		0.0	
	1984	<.1	279	<.1	305	<.1	185	0.0	
	1985	0.1	265	0.0		<.1	223	0.0	

Table C.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
Sand seatrout	1976	0.0		0.0		0.2	266	0.1	265
	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		<.1	284
	1980	<.1	312	0.0		0.0		0.0	
	1981	0.0		0.0		0.0		0.0	
	1982	<.1	329	<.1	270	<.1	268	<.1	293
	1983	<.1	391	<.1	291	<.1	281	<.1	242
	1984	0.0		0.0		<.1	247	0.0	
	1985	0.0		0.0		0.0		0.0	
Gafftopsail catfish	1976	0.0		0.0		0.0		0.0	
	1977	0.0		0.0		0.0		0.0	
	1978	0.0		<.1	357	0.0		<.1	515
	1979	0.0		0.0		0.1	541	0.2	554
	1980	0.0		0.0		<.1	578	0.1	599
	1981	0.0		<.1	472	0.1	520	<.1	548
	1982	0.0		<.1	453	0.1	523	0.1	561
	1983	0.0		<.1	448	<.1	504	0.1	582
	1984	0.0		<.1	439	0.1	506	0.1	564
	1985	0.0		<.1	383	<.1	493	<.1	553

Table C.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
Gulf menhaden	1976	0.0		0.0		0.0		0.0	
	1977	1.7	249	0.4	279	0.3	256	0.2	258
	1978	0.2	258	<.1	319	0.0		0.0	
	1979	0.1	255	0.0		0.0		<.1	250
	1980	<.1	257	0.0		0.0		0.0	
	1981	0.1	242	<.1	306	0.0		<.1	196
	1982	<.1	252	0.0		<.1	226	<.1	266
	1983	<.1	247	<.1	273	<.1	244	0.0	
	1984	<.1	255	<.1	267	<.1	247	<.1	254
	1985	0.4	252	<.1	242	0.1	246	0.1	252
Hardhead catfish	1976	0.6	305	0.0		0.0		0.1	196
	1977	0.6	322	0.4	297	0.1	393	<.1	349
	1978	0.3	293	0.2	331	<.1	292	<.1	364
	1979	0.2	331	0.1	328	<.1	317	<.1	243
	1980	0.3	317	0.1	351	<.1	308	0.0	
	1981	0.3	329	0.2	354	0.1	387	<.1	295
	1982	0.5	326	0.4	362	0.1	363	<.1	351
	1983	0.9	322	0.4	374	0.1	320	<.1	299
	1984	0.7	327	0.5	355	0.1	341	0.1	336
	1985	1.4	331	0.6	362	0.1	356	<.1	324

Table C.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		0.0		0.0		0.0	
	1978	0.0		0.0		0.0		0.0	
	1979	0.0		<.1	305	0.0		0.0	
	1980	0.0		0.0		0.0		0.0	
	1981	0.0		0.0		0.0		0.0	
	1982	<.1	227	<.1	240	<.1	281	<.1	228
	1983	<.1	241	<.1	274	<.1	239	0.0	
	1984	<.1	162	0.0		0.0		0.0	
	1985	<.1	178	0.0		0.0		0.0	
Spot	1976	0.2	233	0.0		0.0		0.0	
	1977	0.6	219	0.0		0.0		0.0	
	1978	0.2	214	<.1		0.0		0.0	
	1979	<.1	233	0.0		0.0		0.0	
	1980	0.1	247	0.0		0.0		0.0	
	1981	<.1	221	<.1	223	0.0		0.0	
	1982	0.1	234	<.1	231	0.0		0.0	
	1983	0.1	233	<.1	267	<.1	227	0.0	
	1984	0.1	248	0.0		0.0		0.0	
	1985	<.1	220	0.0		0.0		0.0	

Table C.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
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	330	<.1	381	0.0		0.0	
	1985	0.1	335	<.1	405	0.0		0.0	
Other finfishes	1976	0.3	298	1.6	354	0.3	388	0.1	362
	1977	0.2	277	0.4	344	0.1	489	<.1	790
	1978	0.4	265	0.3	323	0.1	331	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	402	0.8	354	0.1	452	0.1	561
	1985	0.2	329	0.1	384	0.1	559	<.1	691

Table C.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 finfishes	1976	2.9	299	2.3	362	0.5	364	0.5	357
	1977	4.6	271	1.7	324	0.9	341	0.4	372
	1978	1.6	284	1.3	379	0.4	379	0.3	437
	1979	0.8	324	0.8	395	0.5	442	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	2.3	351	1.7	425	0.9	417	0.6	420
	1984	1.3	356	1.9	384	0.9	432	0.6	464
	1985	2.6	328	1.4	407	0.5	405	0.4	445

Table C.15. 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 1976-1985. Blank indicates no measurement taken.

		Mesh size							
		7.6-cm		10.2-cm		12.7-cm		15.2-cm	
Species	Year	No./h	Length	No./h	Length	No./h	Length	No./h	Length
Red drum	1976	0.0		0.0		0.0		0.0	
	1977	0.0		0.1	414	<.1	535	0.0	
	1978	<.1	442	0.2	454	<.1	610	<.1	671
	1979	<.1	481	0.2	475	0.0		0.0	
	1980	0.4	384	0.4	446	<.1	423	<.1	434
	1981	0.2	385	0.2	421	<.1	620	0.0	
	1982	<.1	431	0.2	448	0.1	559	<.1	595
	1983	<.1	377	<.1	441	<.1	525	<.1	626
	1984	0.1	366	0.1	446	<.1	552	<.1	603
	1985	<.1	419	0.2	484	0.1	556	<.1	549
Spotted seatrout	1976	0.0		0.0		0.0		0.0	
	1977	0.8	379	0.4	517	0.1	682	<.1	683
	1978	0.6	456	0.2	502	<.1	665	<.1	670
	1979	0.3	403	0.1	528	<.1	586	<.1	369
	1980	0.3	421	0.1	516	<.1	629	<.1	613
	1981	0.3	411	0.1	402	0.1	542	<.1	347
	1982	0.4	408	0.2	529	0.1	577	<.1	578
	1983	0.1	427	0.1	549	<.1	611	<.1	575
	1984	<.1	416	<.1	485	<.1	627	0.0	
	1985	0.1	388	<.1	482	<.1	663	<.1	540

Table C.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		0.0		0.0		0.0	
	1977	0.0		0.1	305	0.2	386	0.1	473
	1978	0.0		<.1	294	<.1	376	0.1	454
	1979	0.0		0.1	299	0.1	418	0.1	478
	1980	<.1	346	0.3	333	0.3	407	0.1	477
	1981	<.1	295	0.2	347	0.6	388	0.3	441
	1982	<.1	250	0.4	306	0.1	425	0.2	476
	1983	<.1	282	0.1	355	0.2	401	0.1	457
	1984	<.1	312	0.1	398	0.2	425	0.2	499
	1985	<.1	262	0.5	306	0.2	383	0.1	508
Sheepshead	1976	0.0		0.0		0.0		0.0	
	1977	0.0		0.0		<.1	336	0.1	387
	1978	0.0		0.0		0.1	366	0.1	416
	1979	0.0		0.0		<.1	360	0.1	375
	1980	0.0		<.1	352	0.1	361	0.1	378
	1981	0.0		<.1	314	<.1	350	0.1	428
	1982	0.0		<.1	327	0.1	351	0.1	373
	1983	<.1	405	<.1	329	<.1	376	0.1	411
	1984	<.1	378	<.1	298	<.1	352	0.1	402
	1985	<.1	438	0.0		<.1	406	<.1	433

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

Species	Year	Mesh size: 7.6-cm No./h	7.6-cm Length	10.2-cm No./h	10.2-cm Length	12.7-cm No./h	12.7-cm Length	15.2-cm No./h	15.2-cm Length
Southern flounder	1976	0.0		0.0		0.0		0.0	
	1977	0.0		0.0		0.0		0.0	
	1978	<.1	237	<.1	366	0.0		<.1	411
	1979	<.1	216	<.1	351	0.0		<.1	410
	1980	<.1	230	<.1	262	0.0		<.1	477
	1981	<.1	222	0.1	345	<.1	383	<.1	
	1982	<.1	229	<.1	325	<.1	369	<.1	397
	1983	<.1	261	<.1	333	<.1	371	<.1	431
	1984	0.0		<.1	316	<.1	323	<.1	443
	1985	<.1	246	<.1	333	<.1	374	<.1	420
Atlantic croaker	1976	0.0		0.0		0.0		0.0	
	1977	0.2	277	0.2	326	0.0		0.0	
	1978	0.1	261	<.1	325	0.0		0.0	
	1979	0.1	286	0.1	314	0.0		0.0	
	1980	0.2	303	0.1	334	0.0		0.0	
	1981	0.2	280	0.2	322	<.1	280	<.1	290
	1982	0.1	295	0.1	331	<.1	336	0.0	
	1983	<.1	282	<.1	321	<.1	340	<.1	240
	1984	<.1	306	<.1	342	<.1	172	0.0	
	1985	0.2	266	<.1	276	<.1	256	<.1	272

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

Species	Year	Mesh size: 7.6-cm No./h	7.6-cm Length	10.2-cm No./h	10.2-cm Length	12.7-cm No./h	12.7-cm Length	15.2-cm No./h	15.2-cm Length
Sand seatrout	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	333	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	<.1	390	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		<.1	296	0.0		0.0	
Gafftopsail catfish	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	577	0.0	
	1982	0.0		0.0		<.1	545	<.1	517
	1983	0.0		0.0		<.1	536	<.1	586
	1984	0.0		0.0		<.1	472	0.0	
	1985	0.0		0.0		0.0		<.1	413

Table C.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
Gulf menhaden	1976	0.0		0.0		0.0		0.0	
	1977	0.0		<.1	282	0.0		0.0	
	1978	1.2	264	<.1	268	<.1	265	<.1	280
	1979	0.2	266	0.0		<.1	179	0.0	
	1980	0.6	266	0.1	296	<.1	232	0.0	
	1981	0.0		<.1	269	<.1	285	<.1	185
	1982	0.3	261	0.1	296	<.1	272	<.1	249
	1983	<.1	272	<.1	336	<.1	306	<.1	298
	1984	<.1	263	<.1	305	<.1	213	<.1	280
	1985	<.1	237	<.1	257	<.1	270	0.0	
Hardhead catfish	1976	0.0		0.0		0.0		0.0	
	1977	0.5	290	0.2	307	0.1	297	0.0	
	1978	0.7	291	0.1	291	0.1	249	<.1	253
	1979	0.2	306	0.1	298	0.1	277	0.0	
	1980	0.2	283	<.1	310	<.1	275	<.1	322
	1981	0.8	299	0.1	261	<.1	257	0.0	
	1982	0.7	307	0.1	349	<.1	304	<.1	311
	1983	0.6	317	0.2	316	<.1	280	<.1	289
	1984	1.0	314	0.2	333	0.1	300	<.1	315
	1985	0.9	307	0.3	316	0.1	284	<.1	279

Table C.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
Pinfish	1976	0.0		0.0		0.0		0.0	
	1977	0.0		0.0		0.0		0.0	
	1978	<.1	204	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	190	0.0		0.0		0.0	
	1982	<.1	181	<.1	253	<.1	272	0.0	
	1983	<.1	184	<.1	331	<.1	375	0.0	
	1984	0.0		<.1	310	0.0		0.0	
	1985	<.1	181	<.1	144	0.0		0.0	
Spot	1976	0.0		0.0		0.0		0.0	
	1977	0.2	228	0.0		0.0		0.0	
	1978	0.1	225	<.1	232	0.0		0.0	
	1979	0.1	239	<.1	235	0.0		0.0	
	1980	0.1	236	<.1	220	0.0		0.0	
	1981	0.1	223	0.0		0.0		0.0	
	1982	0.5	231	<.1	238	0.0		0.0	
	1983	0.1	228	<.1	271	0.0		0.0	
	1984	<.1	233	<.1	261	<.1	222	0.0	
	1985	0.1	219	<.1	242	0.0		<.1	212

Table C.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
Striped mullet	1976	0.0		0.0		0.0		0.0	
	1977	0.1	324	0.1	420	0.0		0.0	
	1978	<.1	331	<.1	316	0.0		0.0	
	1979	<.1	356	<.1	423	0.0		0.0	
	1980	0.1	360	<.1	442	0.0		0.0	
	1981	0.2	340	<.1	421	<.1	413	<.1	285
	1982	0.1	344	<.1	425	<.1	428	0.0	
	1983	0.1	348	<.1	418	0.0		0.0	
	1984	0.5	339	0.1	416	<.1	333	0.0	
	1985	0.2	349	0.1	422	<.1	449	<.1	372
Other finfishes	1976	0.0		0.0		0.0		0.0	
	1977	0.1	428	0.3	334	<.1	400	<.1	
	1978	0.1	447	0.3	358	0.1	478	<.1	452
	1979	0.1	326	0.1	343	<.1	345	<.1	383
	1980	<.1	288	0.1	342	<.1	457	<.1	516
	1981	0.1	297	0.3	332	0.1	341	0.0	
	1982	0.1	352	0.1	360	<.1	440	<.1	602
	1983	<.1	348	<.1	377	<.1	405	<.1	426
	1984	0.1	408	0.1	353	<.1	410	<.1	560
	1985	0.2	357	0.1	327	<.1	448	<.1	493

Table C.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	0.0		0.0		0.0		0.0	
	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	0.3	438
	1981	1.7	323	1.2	349	0.9	389	0.4	408
	1982	2.3	324	1.3	382	0.5	446	0.4	467
	1983	1.0	330	0.6	385	0.4	415	0.3	451
	1984	1.8	337	0.8	380	0.4	410	0.3	483
	1985	1.7	310	1.2	362	0.5	411	0.2	464

Table C.16. 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 1976-1985. Blank indicates no measurement taken.

		Mesh size							
		7.6-cm		10.2-cm		12.7-cm		15.2-cm	
Species	Year	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	541	0.1	616
	1983	0.1	416	0.5	445	0.1	556	0.1	604
	1984	0.1	393	0.2	458	0.2	575	0.1	595
	1985	<.1	415	0.2	460	0.1	581	<.1	619
Spotted seatrout	1976	2.4	405	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	414	0.6	519	0.3	595	0.1	613
	1983	0.6	419	0.5	520	0.2	615	<.1	575
	1984	0.3	401	0.2	495	0.1	598	<.1	528
	1985	0.5	408	0.2	533	0.2	625	<.1	564

Table C.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		0.2	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	460	0.4	481
	1983	<.1	312	0.3	387	0.8	419	0.5	510
	1984	<.1	226	0.1	383	0.2	455	0.3	497
	1985	<.1	371	0.2	316	0.1	424	<.1	501
Sheepshead	1976	0.0		0.0		0.3	318	0.0	
	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	323	0.3	336
	1982	<.1	276	0.1	299	0.3	323	0.1	365
	1983	<.1	300	0.1	305	0.2	332	0.1	376
	1984	0.0		<.1	300	0.1	343	0.1	380
	1985	0.0		<.1	306	<.1	349	<.1	371

Table C.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		0.2	350	0.0	
	1977	0.0		0.0		<.1	323	<.1	388
	1978	<.1	216	<.1	363	<.1	335	<.1	467
	1979	<.1	351	0.1	307	0.1	385	<.1	456
	1980	<.1	325	<.1	346	<.1	361	<.1	518
	1981	<.1	270	<.1	287	<.1	402	<.1	418
	1982	<.1	310	0.1	321	<.1	360	<.1	445
	1983	<.1	350	<.1	330	<.1	372	<.1	418
	1984	<.1	204	0.0		<.1	386	<.1	466
	1985	<.1	342	<.1	315	<.1	347	<.1	404
Atlantic croaker	1976	0.2	285	0.5	345	0.1	360	0.0	
	1977	0.2	267	<.1	300	0.0		0.0	
	1978	0.1	273	0.0		0.0		0.0	
	1979	0.1	263	0.1	344	<.1	412	0.0	
	1980	0.1	277	<.1	354	0.0		0.0	
	1981	0.1	277	0.0		0.0		0.0	
	1982	0.2	300	0.2	367	<.1	423	<.1	343
	1983	0.2	273	0.1	374	<.1	434	0.0	
	1984	<.1	264	<.1	312	0.0		0.0	
	1985	0.1	260	<.1	355	<.1	210	0.0	

Table C.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
Sand seatrout	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		<.1	245	0.0	
	1980	0.0		0.0		0.0		0.0	
	1981	0.0		0.0		0.0		0.0	
	1982	<.1	321	0.0		<.1	269	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		<.1	308	<.1	230
Gafftopsail catfish	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		0.0		0.0	
	1982	0.0		<.1	471	0.0		<.1	272
	1983	0.0		0.0		0.0		0.0	
	1984	0.0		0.0		<.1	211	0.0	
	1985	<.1	364	0.0		<.1	455	<.1	235

Table C.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
Gulf menhaden	1976	0.0		0.0		0.0		0.0	
	1977	<.1	229	0.0		0.0		0.0	
	1978	<.1	246	0.0		0.0		0.0	
	1979	0.0		0.0		0.0		0.0	
	1980	<.1	261	<.1	212	<.1	316	0.0	
	1981	<.1		<.1	254	<.1	233	0.0	
	1982	<.1	269	<.1	330	<.1	264	<.1	243
	1983	0.1	246	<.1	345	<.1	235	<.1	232
	1984	<.1	236	0.0		<.1	269	<.1	275
	1985	0.4	255	<.1	300	<.1	271	<.1	249
Hardhead catfish	1976	0.2	310	0.1	380	0.0		0.0	
	1977	0.2	303	0.1	341	0.1	339	<.1	277
	1978	0.3	307	0.2	349	0.1	236	<.1	314
	1979	0.1	321	0.1	275	0.1	261	<.1	320
	1980	0.3	322	0.1	368	0.1	293	<.1	326
	1981	0.5	307	0.1	344	<.1	336	0.0	
	1982	1.0	321	0.5	358	0.2	340	0.1	338
	1983	1.0	325	0.6	357	0.2	346	0.1	324
	1984	0.6	318	0.6	357	0.2	323	0.1	332
	1985	0.3	322	0.3	362	0.1	319	<.1	327

Table C.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
Pinfish	1976	0.0		0.0		0.0		0.0	
	1977	0.0		0.0		0.0		0.0	
	1978	<.1	165	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	200	0.0		0.0		0.0	
	1982	<.1	219	0.0		0.0		0.0	
	1983	<.1	201	<.1	190	<.1		0.0	
	1984	0.0		0.0		0.0		0.0	
	1985	<.1	167	<.1	160	0.0		0.0	
Spot	1976	0.1	230	0.0		0.0		0.0	
	1977	0.1	215	0.0		0.0		0.0	
	1978	0.1	234	0.0		0.0		0.0	
	1979	0.1	245	<.1	272	0.0		0.0	
	1980	<.1	234	0.0		0.0		0.0	
	1981	<.1	241	0.0		0.0		0.0	
	1982	0.1	236	0.0		<.1	278	0.0	
	1983	0.1	238	<.1	282	<.1	194	0.0	
	1984	<.1	238	0.0		0.0		0.0	
	1985	<.1	240	0.0		<.1	230	0.0	

Table C.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	0.2	330	<.1	404	0.0		0.0	
	1978	0.1	335	<.1	420	<.1		0.0	
	1979	0.1	330	<.1	405	0.0		<.1	392
	1980	0.1	344	0.1	387	0.0		0.0	
	1981	0.2	346	<.1	412	0.0		0.0	
	1982	0.2	348	<.1	417	<.1	434	0.0	
	1983	0.2	350	0.1	420	<.1	404	0.0	
	1984	0.4	333	0.1	409	0.0		0.0	
	1985	0.1	334	<.1	419	0.0		<.1	263
Other finfishes	1976	0.0		0.0		0.0		0.0	
	1977	0.1	400	0.2	371	<.1	398	<.1	517
	1978	0.3	434	0.4	358	0.2	378	<.1	875
	1979	<.1	525	0.1	387	0.1	442	0.1	452
	1980	<.1	428	0.1	409	0.1	497	<.1	813
	1981	0.2	415	0.2	368	0.1	510	0.1	436
	1982	0.2	398	0.4	377	0.1	493	0.1	490
	1983	0.2	379	0.2	363	0.1	456	0.1	509
	1984	0.1	468	0.1	382	0.1	544	0.1	634
	1985	0.1	410	0.1	352	0.1	537	<.1	611

Table C.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 finfishes	1976	2.9	389	2.2	428	1.7	442	0.3	507
	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	0.7	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	0.9	477
	1984	1.6	354	1.4	407	0.9	463	0.7	487
	1985	1.5	324	1.0	412	0.7	480	0.2	473

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

Table D.1. Mean surface salinity (o/oo) at sampled gill net sites by bay system during spring and fall, 1975-1985. ND = no data.

	Bay system																	
	Galveston		East Matagorda		Matagorda		San Antonio		Aransas		Corpus Christi		Upper Laguna Madre		Lower Laguna Madre		Coastwide	
Year	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall
1975	ND	14.6	ND	ND	ND	20.8	ND	20.0	ND	19.0	ND	16.0	ND	34.3	ND	25.0	ND	20.8
1976	12.2	18.6	ND	20.8	14.0	19.0	29.4	14.6	15.0	9.9	18.0	16.1	ND	24.3	29.0	23.4	18.6	18.1
1977	10.9	27.8	14.6	18.5	18.0	14.7	12.5	19.6	6.8	20.8	16.0	34.3	24.8	40.1	29.3	30.0	16.2	25.9
1978	20.6	22.0	22.2	18.9	22.0	14.4	24.0	13.6	22.0	12.2	30.2	25.3	41.2	39.9	32.2	17.1	26.3	20.1
1979	5.8	12.5	12.9	11.8	9.4	9.9	7.7	13.5	7.8	6.9	17.6	23.1	33.5	28.4	29.5	26.1	14.6	16.1
1980	13.4	23.7	17.3	24.9	15.1	22.9	20.7	18.6	18.7	21.6	29.5	27.2	37.8	24.7	31.8	33.0	22.2	24.4
1981	27.1	9.5	29.7	15.9	20.4	13.8	23.2	9.6	19.4	8.0	30.9	21.3	29.2	24.9	29.7	31.3	25.6	15.9
1982	12.6	20.3	14.5	25.2	12.4	23.0	16.7	27.2	11.8	25.6	22.7	33.1	24.4	39.5	28.0	36.1	17.1	27.9
1983	14.4	11.4	19.1	12.3	19.6	11.8	19.4	17.4	22.4	7.5	30.0	24.5	40.0	34.0	33.5	31.0	24.0	18.1
1984	21.7	18.7	23.5	15.6	24.0	18.7	27.4	29.4	22.5	26.4	31.9	33.9	39.0	44.4	35.2	22.9	27.6	25.9
1985	18.5	22.8	15.1	23.4	11.0	23.4	13.1	23.6	13.1	23.6	22.5	29.9	34.8	39.5	32.3	31.8	20.0	26.9

Table D.2. Mean surface water temperature (C) at sampled gill net sites by bay system during spring and fall, 1975-1985. ND = no data.

	Bay system																	
	Galveston		East Matagorda		Matagorda		San Antonio		Aransas		Corpus Christi		Upper Laguna Madre		Lower Laguna Madre		Coastwide	
Year	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall
1975	ND	20.8	ND	ND	ND	21.1	ND	22.6	ND	22.7	ND	23.3	ND	22.7	ND	24.0	ND	21.3
1976	28.5	17.8	ND	15.2	28.5	24.9	28.0	24.2	29.0	24.1	26.0	24.2	ND	19.3	26.5	20.6	24.4	21.5
1977	24.6	22.2	25.4	22.7	24.9	23.4	25.2	24.2	24.8	22.8	25.4	24.5	25.7	22.8	27.0	25.6	25.3	23.4
1978	26.7	21.1	26.0	23.5	26.2	23.9	25.2	24.0	26.6	25.0	28.2	24.1	27.0	23.9	27.1	24.2	26.6	23.5
1979	26.4	23.2	27.3	23.6	27.0	24.0	27.4	24.7	26.7	24.5	27.1	24.7	28.2	25.5	27.6	25.1	27.1	24.4
1980	25.9	24.4	26.1	22.9	26.1	24.6	27.1	23.3	26.7	22.8	27.0	24.1	29.0	27.0	28.8	25.6	27.0	24.5
1981	26.4	25.6	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	26.4	25.4
1982	26.2	24.5	27.1	24.3	27.3	24.5	25.9	25.2	26.2	23.8	26.4	24.0	27.6	24.7	27.6	25.8	26.7	24.3
1983	25.6	25.3	25.7	26.4	24.9	25.6	25.8	25.5	26.1	25.3	26.5	25.6	27.4	27.0	26.5	26.8	26.0	25.8
1984	26.6	25.3	25.3	26.4	25.0	25.2	26.0	25.0	25.8	25.2	26.2	25.1	27.3	25.9	27.5	26.9	26.3	25.5
1985	27.8	25.4	28.6	25.4	27.3	25.0	26.3	27.4	27.5	25.7	26.3	25.6	27.6	26.2	28.3	27.1	27.4	26.0

Table D.3. Mean surface dissolved oxygen (ppm) at sampled gill net sites by bay system during spring and fall, 1975-1985. ND = no data.

	Bay system																	
	Galveston		East Matagorda		Matagorda		San Antonio		Aransas		Corpus Christi		Upper Laguna Madre		Lower Laguna Madre		Coastwide	
Year	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall
1975	ND	10	ND	ND	ND	9	ND	8	ND	13	ND	9	ND	10	ND	7	ND	10
1976	10	10	ND	9	10	9	9	9	9	10	10	10	ND	9	9	8	10	9
1977	7	8	8	9	9	10	9	8	9	10	8	10	8	7	8	8	8	9
1978	11	10	9	11	9	9	9	9	8	9	8	9	6	7	8	7	9	9
1979	10	10	8	10	11	10	10	7	9	9	8	8	8	7	10	9	10	9
1980	10	9	8	8	10	8	5	7	7	9	6	8	6	8	10	11	8	8
1981	9	9	8	8	10	10	6	7	8	9	7	7	7	7	7	9	8	9
1982	9	10	10	9	9	8	4	7	9	8	9	8	7	6	8	8	8	9
1983	8	9	8	8	9	9	7	7	8	9	8	8	7	7	7	8	8	8
1984	9	10	8	8	8	7	9	9	8	9	9	9	7	7	8	9	8	9
1985	6	8	10	10	9	8	10	9	9	9	8	9	7	8	9	10	8	9

Table D.4. Mean surface turbidity (JTU) at sampled gill net sites by bay system during spring and fall, 1975-1985. ND = no data.

	Bay system																	
	Galveston		East Matagorda		Matagorda		San Antonio		Aransas		Corpus Christi		Upper Laguna Madre		Lower Laguna Madre		Coastwide	
Year	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall
1975	ND	72	ND	ND	ND	31	ND	44	ND	24	ND	27	ND	33	ND	34	ND	38
1976	91	61	ND	68	80	32	24	24	24	65	118	69	ND	54	24	38	58	50
1977	81	67	39	32	39	74	52	24	44	54	172	45	39	44	40	32	65	50
1978	79	43	61	24	67	67	61	24	65	48	46	42	61	65	40	41	61	46
1979	147	75	57	29	77	64	82	24	67	44	66	52	57	33	33	89	81	56
1980	102	72	75	50	85	34	44	24	48	35	59	33	45	54	62	69	68	50
1981	53	67	58	65	62	65	47	24	43	60	57	39	243	46	126	66	85	56
1982	66	59	85	53	76	46	36	29	89	32	52	38	54	32	131	78	74	53
1983	57	60	50	25	56	43	44	31	43	41	39	42	49	37	49	63	50	46
1984	45	35	29	25	36	48	45	40	40	41	55	39	72	57	113	92	55	49
1985	25	29	62	35	53	51	52	49	47	44	56	41	72	41	100	61	55	44

Table D.5. Mean surface salinity (o/oo) at sampled bag seine sites by bay system during 1985. ND = no data.

Month	Bay system								
	Galveston	East Matagorda	Matagorda	San Antonio	Aransas	Corpus Christi	Upper Laguna Madre	Lower Laguna Madre	Coastwide
Jan	16.3	14.5	16.1	21.6	21.5	29.4	38.0	28.9	23.0
Feb	15.7	12.6	20.8	19.1	20.1	28.4	35.2	31.9	23.0
Mar	4.7	9.5	15.5	14.9	20.2	26.7	36.4	27.9	18.6
Apr	10.4	12.4	13.8	17.3	16.2	26.6	32.0	33.3	19.7
May	14.2	16.6	13.2	13.0	12.2	22.2	36.6	33.4	19.6
Jun	25.5	14.3	18.4	16.0	17.2	26.0	34.5	34.4	24.0
Jul	18.3	10.2	22.0	9.8	15.5	24.4	36.7	35.9	22.2
Aug	19.5	23.5	21.8	13.2	22.0	31.7	44.2	38.7	26.1
Sep	24.3	24.3	23.3	24.0	29.3	35.3	42.2	39.1	29.9
Oct	20.4	21.7	26.3	24.8	21.8	28.0	37.3	26.5	25.5
Nov	15.1	20.1	26.8	18.9	22.6	28.6	34.1	30.0	24.0
Dec	15.5	22.5	18.5	15.3	16.9	26.2	36.3	31.9	22.0

Table D.6. Mean surface temperature (C) at sampled bag seine sites by bay system during 1985. ND = no data.

Month	Bay system								
	Galveston	East Matagorda	Matagorda	San Antonio	Aransas	Corpus Christi	Upper Laguna Madre	Lower Laguna Madre	Coastwide
Jan	14.2	13.7	11.3	11.7	15.4	14.6	12.9	13.9	13.5
Feb	15.2	14.8	16.6	13.6	16.1	14.2	12.8	19.2	15.5
Mar	23.5	22.6	22.7	16.8	23.0	20.3	23.7	20.7	21.8
Apr	23.9	25.3	24.6	24.2	21.9	24.0	22.3	23.3	23.6
May	27.7	28.5	27.4	26.4	28.1	28.0	28.1	28.8	27.8
Jun	29.2	29.1	29.0	28.4	28.9	29.4	30.0	29.6	29.2
Jul	30.8	32.0	28.8	28.9	29.8	29.6	29.9	29.7	29.8
Aug	32.5	29.4	31.3	30.0	30.8	29.9	29.2	30.4	30.8
Sep	29.0	27.6	28.8	28.4	28.9	29.1	29.8	30.0	29.1
Oct	23.0	21.1	25.8	24.3	22.5	21.7	26.0	24.8	23.9
Nov	23.9	22.2	21.1	24.6	23.4	20.5	20.0	23.7	22.6
Dec	13.9	12.6	16.9	17.1	15.2	17.6	14.8	15.8	16.4

Table D.7. Mean surface dissolved oxygen (ppm) at sampled bag seine sites by bay system during 1985. ND = no data.

	Bay system								
Month	Galveston	East Matagorda	Matagorda	San Antonio	Aransas	Corpus Christi	Upper Laguna Madre	Lower Laguna Madre	Coastwide
Jan	10	11	11	10	13	9	6	10	10
Feb	9	11	8	9	12	10	6	9	9
Mar	7	10	9	10	12	10	6	9	9
Apr	8	10	9	8	10	8	7	9	9
May	5	10	9	10	9	10	7	8	8
Jun	4	9	7	9	9	9	7	9	7
Jul	6	9	7	8	11	7	7	8	8
Aug	4	8	8	8	10	8	5	9	7
Sep	6	9	5	8	6	7	6	7	6
Oct	7	9	8	9	8	7	7	10	8
Nov	9	8	9	10	8	8	9	9	9
Dec	9	9	10	8	10	8	8	8	9

Table D.8. Mean surface turbidity (JTU) at sampled bag seine sites by bay system during 1985. ND = no data.

Month	Bay system								
	Galveston	East Matagorda	Matagorda	San Antonio	Aransas	Corpus Christi	Upper Laguna Madre	Lower Laguna Madre	Coastwide
Jan	32	37	32	27	25	34	70	66	40
Feb	27	37	30	30	40	30	136	103	53
Mar	107	56	62	64	34	36	413	32	103
Apr	77	49	35	59	54	33	87	84	62
May	38	44	75	49	66	44	62	59	55
Jun	25	169	46	66	48	76	62	103	61
Jul	57	69	29	33	48	37	77	32	47
Aug	30	68	51	30	77	25	49	27	42
Sep	42	66	66	28	49	32	56	33	45
Oct	80	71	24	129	45	58	36	113	69
Nov	62	36	42	61	28	31	110	65	56
Dec	67	26	50	54	71	35	67	93	63

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

Table E.1. Mean abundances (No./ha) and mean total lengths (mm) of selected fishes caught with bag seines by bay system during 1985. Blank indicates no measurement taken.

Species	Bay system																	
	Galveston		East Matagorda		Matagorda		San Antonio		Aransas		Corpus Christi		Upper Laguna Madre		Lower Laguna Madre		Coastwide	
Month	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	5	65	20	79	10	68	20	62	103	59	40	49	0		23	76	27	65
Feb	5	79	7	99	13	60	0		7	77	20	73	10	72	33	90	12	79
Mar	10	109	47	122	30	82	17	108	83	94	10	91	0		17	104	25	101
Apr	10	172	3	130	33	134	20	132	10	130	13	108	0		10	131	14	134
May	7	174	10		0		19	171	7	175	7	133	0		3	130	6	160
Jun	0		0		0		7	177	10	165	0		0		3	176	3	173
Jul	0		0		0		3	35	0		0		0		0		<1	35
Aug	0		0		0		0		0		0		0		0		0	
Sep	0		0		0		0		0		0		0		0		0	
Oct	0		<1	47	0		<1	28	0		0		0		0		<1	38
Nov	0		<1	84	0		0		<1	56	0		<1	27	<1	56	<1	56
Dec	3	79	20	86	0		0		0		17	29	0		100	45	16	60
Spotted seatrout																		
Jan	0		0		0		0		0		0		3	75	3	92	1	83
Feb	0		0		0		0		0		0		0		0		0	
Mar	0		0		0		0		0		0		13	120	0		2	120
Apr	0		0		0		0		0		0		0		0		0	
May	0		0		0		0		7	53	23	36	17	39	0		5	43
Jun	3	44	7	62	0		0		133	52	0		40	63	0		24	56
Jul	0		17	37	17	68	10	79	17	94	0		3	31	7	70	8	63
Aug	7	66	87	75	10	95	10	34	27	60	10	61	7	83	0		12	68
Sep	13	58	67	65	22	87	23	70	83	65	3	94	7	93	3	53	24	73
Oct	7	86	83	83	63	89	0		13	76	3	67	7	53	0		17	76
Nov	23	100	23	84	17	84	0		3	91	0		10	93	7	93	11	91
Dec	0		0		0		0		0		0		0		0		0	

Table E.1. (Cont'd.).

Species / Month	Bay system: Galveston No./ha	Galveston Length	East Matagorda No./ha	East Matagorda Length	Matagorda No./ha	Matagorda Length	San Antonio No./ha	San Antonio Length	Aransas No./ha	Aransas Length	Corpus Christi No./ha	Corpus Christi Length	Upper Laguna Madre No./ha	Upper Laguna Madre Length	Lower Laguna Madre No./ha	Lower Laguna Madre Length	Coastwide No./ha	Coastwide Length
Black drum																		
Jan	0		0		0		0		0		0		3	37	0		<1	37
Feb	0		0		0		0		0		0		3	45	0		<1	45
Mar	0		3	170	0		0		0		0		30	88	0		3	129
Apr	0		0		0		0		0		0		0		0		0	
May	0		0		0		0		0		3	34	0		0		<1	34
Jun	0		27	60	7	49	11	88	0		0		0		0		3	66
Jul	7	107	0		13	103	0		0		10	79	20	77	0		0	
Aug	27	147	7	122	3	186	0		3	86	0		0		0		7	135
Sep	7	153	3	104	0		0		0		0		7	165	0		2	141
Oct	3	135	0		0		3	177	3	162	0		0		0		2	158
Nov	0		0		3	173	3	168	0		0		10	71	0		2	137
Dec	0		0		0		0		0		0		0		0		0	
Sheepshead																		
Jan	0		0		0		0		0		0		0		0		0	
Feb	0		0		0		0		0		0		0		0		0	
Mar	0		0		0		0		0		0		0		0		0	
Apr	23	20	0		0		0		0		0		0		0		0	
May	0		0		3	192	0		0		0		0		0		<1	192
Jun	0		7	44	0		0		13	35	0		3	26	3	28	3	33
Jul	0		0		0		37	39	0		0		0		0		4	39
Aug	0		0		0		0		0		0		0		15	72	2	72
Sep	0		3	85	4	122	0		0		0		0		0		1	104
Oct	0		0		0		0		0		0		0		7	55	1	55
Nov	0		0		0		0		0		0		0		0		0	
Dec	0		0		0		0		0		0		0		0		0	

Table E.1. (Cont'd.).

Species / Month	Bay system: Galveston No./ha	Galveston Length	East Matagorda No./ha	East Matagorda Length	Matagorda No./ha	Matagorda Length	San Antonio No./ha	San Antonio Length	Aransas No./ha	Aransas Length	Corpus Christi No./ha	Corpus Christi Length	Upper Laguna Madre No./ha	Upper Laguna Madre Length	Lower Laguna Madre No./ha	Lower Laguna Madre Length	Coastwide No./ha	Coastwide Length
Southern flounder																		
Jan	0		0		0		0		0		0		0		0		0	
Feb	0		3	35	0		0		0		3	50	0		7	22	1	36
Mar	43	50	17	64	17	50	0		40	43	30	47	0		0		21	51
Apr	13	48	3	34	4	194	7	43	27	53	20	44	0		3	89	10	72
May	0		10	90	0		0		0		3	129	3	71	7	54	2	86
Jun	0		0		0		0		13	84	3	109	0		3	62	3	85
Jul	3	176	0		0		0		0		0		0		0		1	176
Aug	0		17	82	0		0		0		3	65	0		0		17	73
Sep	0		7	126	7	178	0		3	100	0		0		0		2	135
Oct	0		0		0		0		0		0		0		0		0	
Nov	0		0		3	202	0		0		0		0		3	163	1	182
Dec	0		0		0		0		0		0		0		0		0	
Atlantic croaker																		
Jan	70	34	17	31	0		3	37	0		0		0		63	50	25	38
Feb	105	38	247	52	27	54	0		3	38	0		7	36	340	39	82	43
Mar	1571	52	587	53	1057	58	13	54	33	50	0		27	68	40	46	534	54
Apr	1013	72	340	67	1185	69	67	79	253	69	0		0		37	71	458	71
May	20	71	117	82	717	83	67	108	160	95	27	100	7	26	13	67	151	79
Jun	120	91	53	105	243	83	11	108	60	103	0		73	96	43	77	88	95
Jul	153	98	37	111	197	100	0		3	117	0		13	168	3	55	67	108
Aug	40	113	20	127	140	114	0		3	142	0		0		0		31	127
Sep	30	117	13	140	0		0		0		0		0		3	105	7	121
Oct	0		0		10	150	0		0		0		0		0		2	150
Nov	60	41	3	50	93	35	0		0		0		7	22	110	31	43	36
Dec	3	29	13	32	10	42	7	50	30	29	17	39	0		390	38	61	37

Table E.1. (Cont'd.).

Species / Month	Bay system: Galveston No./ha	Galveston Length	East Matagorda No./ha	East Matagorda Length	Matagorda No./ha	Matagorda Length	San Antonio No./ha	San Antonio Length	Aransas No./ha	Aransas Length	Corpus Christi No./ha	Corpus Christi Length	Upper Laguna Madre No./ha	Upper Laguna Madre Length	Lower Laguna Madre No./ha	Lower Laguna Madre Length	Coastwide No./ha	Coastwide Length
Sand seatrout																		
Jan	0		0		0		0		0		0		0		0		0	
Feb	0		0		0		0		0		0		0		0		0	
Mar	0		0		0		0		0		0		0		0		0	
Apr	33	49	0		22	61	0		0		0		0		0		11	55
May	10	47	23	61	17	58	0		3	67	7	82	0		0		7	63
Jun	13	100	10	56	37	62	0		0		0		0		3	60	9	69
Jul	7	64	3	76	30	75	0		0		0		0		0		6	71
Aug	0		30	59	23	91	0		0		0		0		0		5	75
Sep	33	57	23	51	4	97	0		0		0		0		0		9	68
Oct	1	62	<1	63	1	73	0		0		0		0		0		<1	66
Nov	0		0		0		0		0		0		0		0		0	
Dec	0		0		0		0		0		0		0		0		0	
Gafftopsail catfish																		
Jan	0		0		0		0		0		0		0		0		0	
Feb	0		0		0		0		0		0		0		0		0	
Mar	0		0		0		0		0		0		0		0		0	
Apr	0		0		0		0		0		0		0		0		0	
May	7	102	0		0		0		0		0		0		0		1	102
Jun	0		0		0		0		0		0		0		0		0	
Jul	0		0		0		0		0		0		0		0		0	
Aug	0		0		10	153	0		0		0		0		0		2	153
Sep	0		0		0		0		0		0		0		0		0	
Oct	0		0		0		0		0		0		0		0		0	
Nov	0		0		0		0		0		0		0		0		0	
Dec	0		0		0		0		0		0		0		0		0	

Table E.1. (Cont'd.).

Species / Month	Bay system: Galveston No./ha	Galveston Length	East Matagorda No./ha	East Matagorda Length	Matagorda No./ha	Matagorda Length	San Antonio No./ha	San Antonio Length	Aransas No./ha	Aransas Length	Corpus Christi No./ha	Corpus Christi Length	Upper Laguna Madre No./ha	Upper Laguna Madre Length	Lower Laguna Madre No./ha	Lower Laguna Madre Length	Coastwide No./ha	Coastwide Length
Striped mullet																		
Jan	330	95	73	80	80	131	7	35	577	29	0		10	31	197	29	194	61
Feb	30	53	80	56	10	38	0		87	31	57	39	40	40	70	37	42	42
Mar	43	51	100	101	7	87	7	147	10	77	20	30	20	98	27	48	24	80
Apr	130	113	90	141	4	151	13	151	3	183	80	52	713	46	13	139	127	122
May	83	66	63	108	267	82	85	136	63	82	13	137	13	140	57	80	90	104
Jun	40	136	1157	80	13	123	30	180	123	99	7	124	13	106	250	71	106	115
Jul	73	134	457	81	107	76	0		93	111	30	182	13	200	420	103	121	127
Aug	93	115	190	114	73	106	97	120	147	91	0		7	76	252	95	104	103
Sep	23	147	147	104	11	113	27	136	10	122	0		3	147	153	108	37	125
Oct	31	164	3	190	7	124	10	168	3	121	0		3	150	4	122	10	148
Nov	50	170	20	173	7	90	7	122	7	152	0		7	121	3	141	15	138
Dec	30	124	7	144	0		0		13	117	63	27	3	24	7	24	16	77
Other finfishes																		
Jan	3165	57	1263	55	120	64	567	57	1537	60	1150	37	567	66	3390	52	1650	56
Feb	765	48	1003	64	483	60	1593	41	503	51	947	59	813	58	417	60	769	55
Mar	314	82	487	83	397	81	597	72	1213	50	1147	41	257	72	290	67	556	69
Apr	633	71	410	63	304	80	883	56	573	84	657	66	1640	59	497	72	700	69
May	187	84	2417	66	1053	67	341	73	1377	64	270	92	530	51	587	87	678	73
Jun	1257	68	587	96	1180	78	648	88	2807	55	1173	56	1020	54	427	52	1220	68
Jul	86	118	70	114	68	98	68	57	82	59	86	41	77	49	65	68	75	75
Aug	443	75	1117	76	727	96	1167	61	2550	59	230	69	873	50	1118	53	1009	67
Sep	353	93	903	65	407	110	307	76	1143	74	410	55	220	94	420	64	482	79
Oct	245	115	227	68	347	77	363	55	440	59	570	51	1713	53	211	69	498	68
Nov	180	120	133	83	323	76	123	86	343	58	617	52	3967	37	500	62	742	72
Dec	123	44	150	52	80	200	97	49	7007	48	250	39	1217	44	1053	49	1335	66

Table E.1. (Cont'd.).

Species / Month	Bay system: Galveston No./ha	Galveston Length	East Matagorda No./ha	East Matagorda Length	Matagorda No./ha	Matagorda Length	San Antonio No./ha	San Antonio Length	Aransas No./ha	Aransas Length	Corpus Christi No./ha	Corpus Christi Length	Upper Laguna Madre No./ha	Upper Laguna Madre Length	Lower Laguna Madre No./ha	Lower Laguna Madre Length	Coastwide No./ha	Coastwide Length
Gulf menhaden																		
Jan	5	33	0		3	63	0		7	32	0		0		0		3	43
Feb	10	39	650	42	0		0		0		10	38	20	23	53	34	35	35
Mar	1676	39	187	40	0		0		3	25	0		233	39	3	31	398	35
Apr	1313	30	327	34	3052	50	1883	38	163	42	23	34	287	38	103	35	1051	38
May	1977	45	987	41	13,293	44	419	35	197	38	1423	37	50	34	20	32	2675	38
Jun	747	55	20	56	20	45	9037	47	187	37	10	43	0		53	85	1274	52
Jul	83	62	570	47	0		3	60	3	44	0		153	69	0		56	56
Aug	3	48	173	64	28,723	53	0		0		0		0		0		4324	55
Sep	20	98	7	58	4	74	0		3	60	0		0		10	128	7	84
Oct	0		0		0		0		0		0		0		0		0	
Nov	23	64	0		3	72	0		0		0		0		0		6	68
Dec	0		0		7	70	17	49	13	33	0		0		0		5	51
Hardhead catfish																		
Jan	0		0		0		0		0		0		0		0		0	
Feb	0		0		0		0		0		0		0		0		0	
Mar	0		0		0		0		0		0		0		0		0	
Apr	0		0		0		0		10	136	0		0		3	158	2	147
May	0		3	170	30	128	4	109	20	138	0		0		0		8	136
Jun	10	131	10	133	37	142	7	138	7	126	0		0		17	162	12	139
Jul	243	72	0		60	133	0		0		0		0		0		62	102
Aug	13	131	33	141	140	99	7	112	7	75	3	142	100	73	0		39	111
Sep	107	104	73	104	78	111	3	76	173	95	13	63	13	74	0		65	90
Oct	21	115	3	119	7	113	3	98	13	95	3	116	0		19	101	11	108
Nov	0		0		0		0		0		0		0		0		0	
Dec	0		0		0		0		0		0		0		0		0	

Table E.1. (Cont'd.).

Species	Bay system																	
	Galveston		East Matagorda		Matagorda		San Antonio		Aransas		Corpus Christi		Upper Laguna Madre		Lower Laguna Madre		Coastwide	
Month	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
Pinfish																		
Jan	5	36	0		0		153	36	7	35	97	27	3	114	10	30	31	46
Feb	0		3	31	0		0		0		13	43	0		7	35	2	36
Mar	0		0		3	40	370	30	30	47	43	78	57	106	10	54	61	59
Apr	1137	34	703	48	448	52	360	40	733	43	367	54	7	87	123	43	533	50
May	140	64	2667	59	213	64	111	51	813	56	460	62	240	59	290	50	388	58
Jun	1723	59	217	64	480	61	2589	50	663	69	593	66	813	60	650	55	1089	60
Jul	123	86	37	70	387	68	823	68	213	82	63	86	330	77	623	65	341	75
Aug	820	66	193	79	360	85	37	102	350	77	613	75	83	87	1037	71	495	80
Sep	27	105	680	86	370	91	473	81	360	100	350	76	23	138	193	97	251	97
Oct	10	127	253	97	323	83	90	101	113	95	187	77	17	115	193	75	130	96
Nov	0		60	101	0		0		7	111	17	79	23	95	73	98	17	97
Dec	0		0		3	85	0		0		0		0		27	105	4	95
Spot																		
Jan	10	87	0		0		47	39	33	36	0		3	112	0		13	69
Feb	0		3	55	10	40	0		30	34	7	31	10	50	180	38	32	41
Mar	724	42	263	48	47	51	2580	39	323	47	60	39	60	111	653	48	624	53
Apr	517	55	313	49	1622	48	280	54	997	58	2013	53	337	56	477	51	823	53
May	63	61	507	57	267	72	170	56	510	67	257	63	157	62	490	59	269	62
Jun	420	67	620	64	573	71	67	71	670	66	300	62	177	72	157	72	368	68
Jul	167	76	100	72	80	77	73	67	93	74	10	80	63	87	13	59	83	74
Aug	87	86	43	91	43	83	3	86	73	72	30	81	3	84	44	77	46	83
Sep	50	85	27	97	67	96	87	97	227	102	27	92	93	143	10	93	78	101
Oct	34	95	13	108	37	86	0		83	97	27	84	53	113	0		34	97
Nov	117	112	7	100	3	105	0		13	112	0		0		10	128	29	111
Dec	0		0		0		0		0		0		0		0		0	

Table E.1. (Cont'd.).

Species	Bay system																	
	Galveston		East Matagorda		Matagorda		San Antonio		Aransas		Corpus Christi		Upper Laguna Madre		Lower Laguna Madre		Coastwide	
Month	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
Total finfishes																		
Jan	3590	59	1373	57	213	88	797	53	2263	55	1287	36	590	66	3687	47	1943	58
Feb	915	47	1997	57	543	59	1593	41	630	47	1057	56	903	56	1107	48	974	51
Mar	4381	52	1690	70	1557	73	3583	55	1737	53	1310	53	697	75	1040	58	2248	61
Apr	4823	55	2190	63	6674	67	3513	49	2770	66	3173	63	2983	56	1267	63	3733	60
May	2493	52	6803	62	15860	68	1215	75	3157	65	2493	61	1017	55	1467	72	4279	64
Jun	4333	66	2713	80	2590	75	12407	76	4687	61	2087	58	2140	62	1610	61	4202	67
Jul	1043	93	1367	74	1423	88	1647	60	1617	67	1803	45	1530	63	1513	75	1451	74
Aug	1533	75	1910	82	30253	95	1320	67	3160	64	890	78	1073	57	2467	67	6076	73
Sep	663	96	1953	73	974	100	920	83	2003	85	803	65	367	111	793	81	966	87
Oct	379	113	597	84	813	81	473	69	670	72	790	59	1793	56	433	73	714	76
Nov	453	112	260	94	453	70	133	90	377	64	633	52	4027	38	723	63	869	73
Dec	160	59	190	57	100	172	120	49	7063	49	347	37	1220	44	1577	48	1437	64