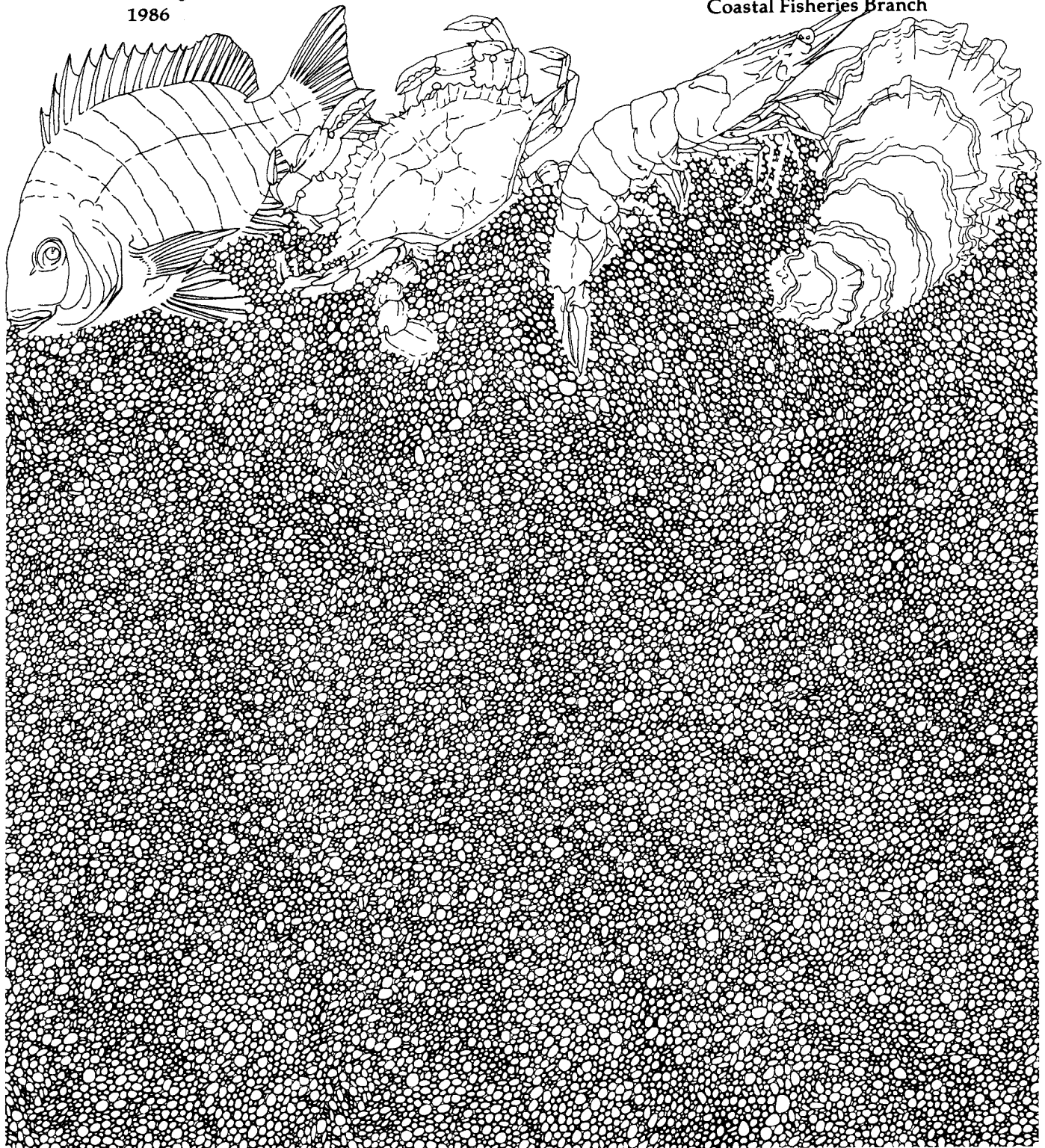


Trends in Relative Abundance and Size of Selected Finfish in Texas Bays: November 1975-June 1985

by L. W. McEachron and A. W. Green

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Texas Parks and Wildlife Department
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ABSTRACT

Trends in relative abundance and size of red drum (Sciaenops ocellatus), spotted seatrout (Cynoscion nebulosus), black drum (Pogonias cromis), sheepshead (Archosargus probatocephalus), southern flounder (Paralichthys lethostigma), Atlantic croaker (Micropogonias undulatus), sand seatrout (C. arenarius), gafftopsail catfish (Bagre marinus), Gulf menhaden (Brevoortia patronus), hardhead catfish (Arius felis), pinfish (Lagodon rhomboides), spot (Leiostomus xanthurus), and striped mullet (Mugil cephalus) have been monitored since 1975 using a standardized fishery independent gill net and bag seine sampling program in eight Texas bay systems. 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. 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 due to this freeze were observed in the 1984 and spring 1985 gill net catch rates and in the annual (1983-84) bag seine catches.

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 1985). In the fall of 1981, TPWD increased the number of gill net samples collected during periods of generally 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 statistics in this report compared to previous versions are due to updating the data base and this report should be considered the most accurate.

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 order) were used in eight Texas bay systems

(Figures 1-8) during November 1975 through June 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 stretch mesh) were used in these bays during October 1977 through June 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 areas in each bay system (McEachron and Green 1985). Beginning September 1984 gill net and bag seine sites were randomly selected from bay grids (1 minute longitude by 1 minute latitude) that contained ≥ 15.2 m of shoreline (Appendices A and B). Each selected grid was divided into 144 5-sec "gridlets". All "gridlets" that contained shoreline were used to randomly choose sample sites.

Prior to fall 1981 no less than 8 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 8 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 9 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 have been collected each month in each bay system. Prior to September 1984 1/2 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. 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 day 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). 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. Beginning March 1983, lengths of fishes greater than 204 mm were eliminated from bag seine mean length calculations based on the findings of McEachron and Green (In press). 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 and 1979; the lowest catch rate (0.5/h) occurred in 1982 and 1983 (Table 1). All other fall catch rates varied from 0.6-0.7/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 <0.3/h except for East Matagorda Bay during fall 1976 (0.6/h).

The highest fall coastwide Atlantic croaker catch rate (0.4/h) occurred in both 1977 and 1983 (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 (0.2/h)(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 1982-1984; 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. Spring catch rates within each bay system have ranged from 0.0-0.6/h (Table 2).

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 parameters 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 (21.3-25.8 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 bag seine catch rates increased from 8/ha in 1977-78 to 24/ha in 1979-80, decreased to 9/ha in 1980-81, then

increased to 31/ha in 1981-82 (Table 3). Catches then decreased to 8/ha in 1983-84. Catch rates among bay systems ranged from 0/ha in upper Laguna Madre during 1983-84 to 70/ha in Galveston Bay during 1979-80.

Coastwide spotted seatrout bag seine catch rates decreased from 17/ha in 1977-78 to 9/ha during 1979-80 through 1981-82 (Table 3). Catch rates then increased to 17/ha in 1982-83 and then decreased in 1983-84 (7/ha) to the lowest level recorded since sampling began. Catch rates among bay systems ranged from <1/ha in lower Laguna Madre during 1979-80 to 46/ha in Galveston Bay during 1982-83.

Coastwide black drum catch rates were highest (13-15/ha) in 1977-79 (Table 3). Catch rates ranged from 5-7/ha during 1979-83. The lowest catch rate of 2/ha was recorded in 1983-84. Individual bay system catch rates ranged from 0/ha in lower Laguna Madre during 1977-78 to 37/ha in Galveston Bay during 1978-79.

The highest coastwide sheepshead catch rate (6/ha) occurred during 1978-79 (Table 3). All other catch rates were ≤ 2 /ha; the lowest catch rate was recorded in 1983-84 (<1/ha). Bay system catch rates ranged from 0/ha in upper Laguna Madre during all years except 1978-79 to 16/ha in Galveston Bay during 1978-79.

Coastwide southern flounder catch rates increased from 1/ha in 1978-79 to 9/ha in 1981-82 (Table 3). They then declined to 2/ha in 1983-84. Bay system catch rates ranged from 0/ha in Aransas Bay during 1978-79 to 19/ha in Aransas Bay during 1981-82.

Coastwide Atlantic croaker catch rates increased from 112/ha in 1977-78 to 291/ha in 1979-80 (Table 3). They decreased in 1980-81 (141/ha) and then increased to the highest catch rate of 482/ha in 1981-82. The catch rate decreased to 261/ha in 1982-83, then increased to 368/ha in 1983-84. Bay system catch rates ranged from <1/ha in upper Laguna Madre during 1980-81 to 1862/ha in Galveston Bay during 1981-82.

Coastwide sand seatrout catch rates were highest (12-14/ha) in 1981-83 (Table 3). Catch rates ranged from 3-10/ha during all other years. Highest bay system catch rates occurred in Galveston (12-45/ha), East Matagorda (3-10/ha) and Matagorda (2-29/ha) Bays; catch rates in all other bay systems were ≤ 2 /ha except for lower Laguna Madre in 1983-84 (7/ha).

Coastwide Gulf menhaden catch rates fluctuated between 284/ha in 1980-81 to 3353/ha in 1979-80 (Table 3). Bay system catch rates ranged from 1/ha in lower Laguna Madre in 1978-79 to 14,763/ha in Galveston Bay in 1979-80.

Coastwide hardhead catfish catch rates increased from 7/ha in 1977-78 to 16/ha in 1978-79, decreased to 12/ha in 1980-81, then increased to 27/ha in 1982-83 (Table 3). The catch rate in 1983-84 was 18/ha. Highest bay system catch rates occurred in Galveston Bay (7-75/ha) and Matagorda Bay (15-51/ha); catch rates in all other bay systems were \leq 13/ha except in East Matagorda Bay and Aransas Bay during 1983-84.

Coastwide pinfish catch rates increased from 77-47/ha in 1977-79 to 283/ha in 1982-83 (Table 3). The catch rate in 1983-84 was 205/ha. Bay system catch rates ranged from 1/ha in lower Laguna Madre during 1978-79 to 606/ha in San Antonio Bay during 1981-82.

Coastwide spot catch rates decreased from 268/ha in 1977-78 to 155/ha in 1978-79, then increased to the highest levels recorded (279-393/ha) during 1981-1984 (Table 3). Bay system catch rates ranged from 21/ha in Matagorda Bay in 1978-79 to 847/ha in lower Laguna Madre during 1983-84.

Coastwide striped mullet catch rates fluctuated from 55/ha in 1982-83 to 193/ha in 1981-82 (Table 3). Bay system catch rates ranged from 13/ha in upper Laguna Madre during 1982-83 to 558/ha in Matagorda Bay during 1981-82.

Coastwide catch rates for "other finfishes" ranged from 917/ha in 1983-84 to 1598/ha in 1978-79. Bay system catch rates ranged from 313/ha in Matagorda Bay during 1981-82 to 3595/ha in Aransas Bay during 1982-83.

The highest coastwide catch rate (5455/ha) for "total finfishes" occurred in 1979-80; catch rates in all other years ranged from 1914/ha to 3996/ha (Table 3). Bay system catch rates ranged from 646/ha in Matagorda Bay during 1979-80 to 18,657/ha in Galveston Bay during 1979-80.

Coastwide monthly bag seine catch rates during October 1983-June 1985 indicated seasonal peaks in abundance which were unique for each species (Appendix E). Red drum coastwide catch rates were highest during November-April. Coastwide spotted seatrout catch rates were highest during July-November. The highest catch rates for black drum occurred during June-August. Coastwide sheepshead catch rates were \leq 2.92/ha in all months. Highest coastwide southern flounder catch rates occurred during February-April in 1984 and during March-April in 1985. Coastwide Atlantic croaker catch rates were highest during February-June in both years except for December 1984. Sand seatrout coastwide catch rates were highest during May-June and September-November in 1984 with none caught during December-March. Gafftopsail catfish were only caught in August 1984 and May 1985 in Matagorda Bay and Galveston

Bay, respectively. Coastwide Gulf menhaden catch rates were highest during March-October. Coastwide hardhead catfish catch rates were highest during June and August-October. Coastwide pinfish catch rates were highest during April-September. Spot coastwide catch rates were highest during March-July. Striped mullet coastwide catch rates were generally highest during February-August. Highest coastwide catch rates of "other finfishes" occurred in November-January during both years and in June 1985. The coastwide catch rates for "total finfishes" were highest during March-June.

Hydrologic parameters varied among months and among bay systems (Appendix D). Coastwide salinities ranged from 18.6 o/oo in October 1983 and March 1985 to 32.2 o/oo in August 1984. 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 (12.2-19.4 C) and highest temperatures in summer (29.2-29.9 C). Dissolved oxygen ranged from 4-13 ppm coastwide and in all bay systems. Turbidities were generally <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 (In press) 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.

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 TPWD be maintained.

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. Spring and fall gill net catch rates for sheepshead, southern flounder, Atlantic croaker and sand seatrout were generally low in all years and decreases in population levels were not obvious. Bag seine catch rates in 1983-84 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. It is apparent that effects of catastrophic events such as freezes on some finfish populations can be observed with statistics from the standardized monitoring program used by TPWD.

Relative abundance of juvenile fishes is not uniform throughout the year. Periods of high relative abundance in bag seines have been subjectively determined for red drum, spotted seatrout, black drum, sheepshead, southern flounder and Atlantic croaker (McEachron and Green In press). 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.

Beginning March 1983, fish >204 mm were eliminated from bag seine catch rates based on the findings of McEachron and Green (In press). Consequently, the annual bag seine catch rates during and after 1982-83 may be lower due to elimination of large fish and not because of declines in relative abundance. This will also cause smaller mean lengths. However, this procedure should decrease the variances of these estimates by eliminating the few large fishes which are fortuitously captured in bag seines. Bag seine catch rates and mean lengths calculated from data which have had these larger fish removed should be more precise and should more accurately reflect changes in juvenile abundance.

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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 1975-1984. Blank indicates no measurement taken; ND = no data.

Species	Year	Bay system																	
		East				Corpus Christi				Lower Laguna Madre				Coastwide					
		Calveston	Matagorda	Matagorda	San Antonio	Aransas	Corpus Christi	Upper Laguna Madre	Lower Laguna Madre	Coastwide	Calveston	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	No./h	Length
Red drum	1975	1.2	401	ND	0.9	323	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	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	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	402	1.0	388	0.9	412	0.4	437	0.3	444	0.4	491	0.6	420	
	1979	0.7	389	0.7	391	359	1.4	386	0.9	388	0.8	362	0.5	396	0.5	465	0.9	386	
	1980	0.5	458	0.8	475	434	0.6	414	0.9	390	0.7	366	0.5	457	0.6	449	0.7	424	
	1981	0.5	443	0.7	412	397	0.6	384	0.8	417	0.6	400	0.3	524	0.8	496	0.6	432	
	1982	0.6	453	1.0	406	415	0.6	391	0.5	440	0.2	502	0.2	506	0.4	459	0.5	438	
	1983	0.6	444	0.8	405	421	0.5	417	0.4	438	0.3	462	0.3	482	0.6	518	0.5	464	
	1984	0.8	457	1.1	559	461	0.3	411	0.6	400	0.8	416	0.6	462	0.6	463	0.6	461	
Spotted seatrout	1975	0.3	456	ND	0.6	420	0.6	392	0.6	478	0.4	489	0.2	455	0.8	413	0.5	432	
	1976	0.4	464	1.1	453	436	0.4	429	0.2	480	0.6	391	0.2	463	2.5	428	0.7	435	
	1977	0.3	511	0.3	452	459	0.5	388	0.1	490	0.3	490	0.7	415	0.8	490	0.5	455	
	1978	0.3	548	0.3	401	406	0.8	393	0.1	422	0.2	420	0.5	429	0.5	440	0.4	436	
	1979	0.2	448	0.1	385	416	0.6	447	0.1	475	0.2	409	0.1	441	0.4	482	0.3	441	
	1980	0.4	486	0.1	413	407	0.3	435	0.2	449	0.3	456	0.2	441	0.5	497	0.3	462	
	1981	0.3	472	0.8	412	446	0.4	426	0.2	440	0.4	442	0.2	475	0.7	494	0.4	459	
	1982	0.3	482	0.3	499	452	0.3	437	0.2	498	0.2	523	0.4	451	0.5	476	0.3	470	
	1983	0.4	482	0.5	428	468	0.4	438	0.6	482	0.4	455	0.4	495	0.6	491	0.4	466	
	1984	0.4	484	0.5	451	453	0.2	483	0.2	445	0.3	474	0.2	480	0.5	462	0.3	466	

Table 1. (Cont'd.).

Species	Year	Bay system																	
		East			San Antonio			Aransas			Corpus Christi			Upper Laguna Madre		Lower Laguna Madre		Coastwide	
		Calveston	Matagorda	Matagorda	San Antonio	Aransas	Aransas	Corpus Christi	Upper Laguna Madre	Upper Laguna Madre	Lower Laguna Madre	Lower Laguna Madre	Coastwide	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		
Black drum	1975	0.5	345	ND	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	0.9	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	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	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	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	371	0.6	365	1.0	404	0.8	367		
	1981	0.3	424	0.4	357	0.4	400	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	360	0.8	375	1.9	383	1.0	357		
	1983	0.3	382	1.0	371	0.5	374	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	427	0.3	378	0.3	414	0.4	435	0.3	387		
Sheeps-head	1975	<.1	362	ND	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	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	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	357	0.2	371	0.1	300	0.2	332		
	1979	<.1	350	0.2	353	0.1	312	0.4	362	0.8	339	0.1	395	0.2	349	0.2	337		
	1980	0.1	283	0.1	309	<.1	353	0.7	296	0.6	359	0.2	382	0.4	330	0.3	316		
	1981	<.1	321	0.1	277	0.2	293	0.3	336	0.2	343	0.1	382	0.3	330	0.2	326		
	1982	<.1	323	0.2	324	<.1	318	0.1	309	0.3	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	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	397	0.2	418	0.2	344	0.2	393		

Table 1. (Cont'd.).

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

Table 1. (Cont'd.).

Species	Year	Bay system																					
		Calveston			East			Aransas			Corpus Christi			Upper Laguna Madre			Lower Laguna Madre			Coastwide			
		No./h	Length	No./h Length	Matagorda	San Antonio	Aransas	Aransas	Christi	Upper Laguna	Lower Laguna	Coastwide	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	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	0.2	249	0.2	241	0.6	242	1.7	251	0.2	264	0.0		0.4	249					
	1979	0.2	244	0.1	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	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	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	0.3	248	0.4	237	0.6	251	0.6	282	0.2	275	0.3	283	0.5	261					
	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	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	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	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	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	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	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	0.3	315	0.8	341	0.4	344	0.6	348	0.6	305	0.8	332	0.8	333					
1983		1.2	340	0.4	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	0.5	325	1.0	335	0.7	340	0.4	344	0.9	307	0.8	329	0.9	328					

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
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
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

Table 1. (Cont'd.).

Species	Year	Bay system																			
		Galveston			East 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	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	3.2	363	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		

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.

Species	Year	Bay system																	
		Galveston				East				Corpus Christi				Upper Laguna Madre		Lower Laguna Madre		Coastwide	
		No./h	Length	No./h	Length	Matagorda	Matagorda	San Antonio	Aransas	Aransas	Christi	Upper Laguna Madre	Lower Laguna Madre	No./h	Length	No./h	Length	No./h	Length
Red drum	1976	<.1	310	ND	429	405	1.0	451	412	0.6	412	538	1.2	333	0.7	407			
	1977	0.3	451	0.2	467	386	0.4	435	396	0.4	396	438	0.5	269	0.3	391			
	1978	0.1	394	0.4	430	399	0.2	449	470	0.3	470	495	0.5	275	0.3	415			
	1979	0.2	491	0.1	447	427	0.5	426	498	0.3	498	479	0.3	304	0.3	429			
	1980	0.9	449	0.4	440	400	0.4	373	432	1.0	432	418	0.6	288	0.8	402			
	1981	0.3	431	0.2	462	397	0.5	406	431	0.3	431	411	1.0	441	0.4	443			
	1982	0.9	477	0.4	439	409	0.4	432	473	0.5	473	496	1.0	502	0.6	466			
	1983	0.8	467	1.1	417	404	0.6	395	425	0.4	425	492	0.8	475	0.7	444			
	1984	1.0	482	0.6	448	515	0.4	421	455	0.8	455	438	0.6	523	0.5	468			
	1985	0.6	528	0.4	490	501	0.4	472	462	0.6	462	502	0.4	504	0.4	496			
Spotted seatrout	1976	<.1	530	ND	400	382	3.3	474	365	0.3	365	444	3.4	457	1.1	456			
	1977	0.2	516	2.0	384	400	1.0	402	384	0.4	384	444	1.5	423	0.8	424			
	1978	0.2	524	0.4	414	413	0.1	446	446	0.5	446	472	1.4	511	0.7	461			
	1979	0.2	518	0.5	430	443	0.5	499	533	0.3	533	438	0.6	527	0.3	496			
	1980	0.1	439	0.8	396	397	0.2	475	505	0.3	505	473	0.9	527	0.5	457			
	1981	0.4	483	1.9	410	464	0.8	470	440	0.5	440	430	2.2	485	0.8	462			
	1982	0.4	492	0.9	462	444	0.7	433	493	0.8	493	489	2.5	503	0.9	480			
	1983	0.4	524	1.6	440	440	0.7	449	491	0.6	491	523	1.3	491	0.7	467			
	1984	0.3	499	0.7	432	480	0.3	436	479	0.3	479	510	0.6	460	0.3	458			
	1985	0.5	510	0.5	480	462	0.4	456	473	0.4	473	492	0.9	488	0.4	482			

Table 2. (Cont'd.).

Species	Year	Bay system																	
		Galveston			East			San Antonio			Corpus Christi			Upper Laguna Madre		Lower Laguna Madre		Coastwide	
		No./h	Length	No./h Length	Matagorda	Matagorda	San Antonio	Aransas	Aransas	Christi	Christi	Upper Laguna Madre	Upper Laguna Madre	Lower Laguna Madre	Lower Laguna Madre	No./h	Length	No./h	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	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	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	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	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	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	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	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	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	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	342	0.5	367	0.3	318	0.2	349
		1977	<.1	338	<.1	234	280	0.1	308	<.1	232	0.1	294	0.1	380	0.1	336	0.1	315
		1978	0.0		0.4	294	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	391	<.1	402	0.2	319	0.5	364	0.1	370	0.2	339	0.2	350
		1980	<.1	353	0.3	352	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	453	0.6	335	0.3	349	0.1	319	0.2	390	0.6	325	0.3	342	
1982		<.1	332	0.0	333	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	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	386	0.1	397	0.1	401	0.2	377	0.2	377	0.2	351	0.2	373	
1985		0.1	350	0.2	365	338	0.1	387	0.1	379	0.3	420	0.1	426	0.1	342	0.1	383	

Table 2. (Cont'd.).

Species	Year	Bay system																				
		Galveston				East				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	No./h	Length	
Sand seatrout	1976	<.1	195	ND	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1978	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1979	0.1	221	0.0	<.1	209	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	<.1	245
	1980	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	<.1	312
	1981	0.0	0.0	0.0	<.1	378	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	<.1	324
	1982	0.0	0.0	0.0	<.1	171	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	<.1	282
	1983	0.1	302	0.0	<.1	272	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	<.1	297
	1984	<.1	200	0.0	<.1	180	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	<.1	216
1985	0.1	356	0.0	0.1	172	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	<.1	269	
Gafftop-sail catfish	1976	6.4	504	ND	0.2	494	2.3	457	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	492
	1977	0.2	486	0.5	0.8	555	3.3	538	3.0	505	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	524
	1978	0.3	543	0.1	1.1	547	1.8	493	0.1	545	0.1	436	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	516
	1979	0.3	528	0.4	0.3	545	0.5	535	0.6	539	0.3	550	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	537
	1980	0.3	480	0.2	0.5	556	1.1	546	0.4	551	0.1	592	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	544
	1981	0.3	478	0.3	0.8	537	0.6	538	1.4	541	0.2	515	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	528
	1982	0.4	499	0.2	0.4	544	1.4	544	0.9	543	0.2	524	<.1	371	0.1	531	0.1	371	0.1	530	0.5	530
	1983	0.3	510	0.1	0.2	529	1.9	534	0.9	543	0.2	529	<.1	561	0.0	561	0.0	561	0.0	532	0.5	532
	1984	0.3	494	<.1	1.0	530	1.1	533	0.5	546	0.2	516	<.1	472	<.1	472	<.1	472	<.1	472	0.4	524
1985	0.3	511	0.1	0.2	476	0.8	540	0.2	502	0.1	476	<.1	351	0.1	413	0.1	351	0.1	503	0.2	503	

Table 2. (Cont'd.).

Species	Year	Bay system																		
		East			Aransas			Corpus Christi			Lower Laguna Madre			Coastwide						
		Galveston	Matagorda	Matagorda	San Antonio	Aransas	Corpus Christi	Upper Laguna Madre	Lower Laguna Madre	Coastwide	Galveston	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	No./h	Length	
Gulf menhaden	1976	0.2	261	ND	<.1	250	0.1	275	0.0	247	0.0	255	0.0	282	0.0	229	0.1	263	0.1	263
	1977	2.4	251	0.6	0.1	245	0.1	220	0.3	247	2.6	270	<.1	265	<.1	229	<.1	246	0.9	256
	1978	0.3	239	<.1	0.1	243	1.1	257	0.0	238	0.2	270	1.3	265	0.2	246	0.4	258	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	249	0.3	247	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	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	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	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	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	0.3	257
	1985	0.8	254	<.1	0.3	231	0.3	241	0.4	248	0.6	250	0.1	255	0.5	260	0.4	250	0.4	250
Hardhead catfish	1976	3.1	318	ND	0.2	235	1.5	312	2.3	334	0.7	289	0.0	295	0.3	333	1.3	317	1.3	317
	1977	2.2	332	0.2	1.9	316	0.8	318	0.4	304	1.1	321	0.8	295	0.4	317	1.2	319	1.2	319
	1978	2.0	336	0.3	0.2	291	0.9	317	0.3	346	0.6	311	0.9	285	0.6	310	0.9	318	0.9	318
	1979	3.4	330	0.2	0.6	315	0.5	340	0.6	324	0.4	317	0.4	297	0.3	291	1.1	323	1.1	323
	1980	2.7	333	1.0	0.3	320	0.9	327	0.4	348	0.4	324	0.3	291	0.5	325	0.9	325	0.9	325
	1981	1.6	329	1.2	1.6	328	1.1	326	0.9	345	0.6	343	0.9	293	0.6	315	1.1	328	1.1	328
	1982	3.6	332	1.4	0.9	328	2.0	332	1.1	335	1.0	331	0.9	312	1.8	334	1.8	332	1.8	332
	1983	3.8	330	1.1	0.5	316	1.5	340	0.9	345	1.4	335	0.9	313	1.9	337	1.7	333	1.7	333
	1984	2.2	343	0.5	1.0	324	2.1	335	1.2	343	1.4	339	1.3	316	1.5	335	1.5	335	1.5	335
	1985	3.4	333	1.2	0.5	327	1.5	344	0.8	343	2.1	341	1.3	306	0.7	338	1.6	334	1.6	334

Table 2. (Cont'd.).

Species	Year	Bay system																	
		East			Corpus Christi			Upper Laguna Madre			Lower Laguna Madre								
		Galveston	Matagorda	Matagorda	San Antonio	Aransas	Corpus Christi	Upper Laguna Madre	Upper Laguna Madre	Lower Laguna Madre	Lower Laguna Madre								
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	394	2.5	394	7.6	392	9.6	415	6.2	332	0.0	365	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 October 1977-September 1984. Blank indicates no measurement taken; ND = no data.

Species	Year	Bay system																											
		Calveston			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	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	1977-78	10	50	ND	4	102	30	55	6	72	1	99	4	87	1	66	8	62											
	1978-79	6	111	ND	11	104	17	69	5	115	16	95	27	69	24	75	14	77											
	1979-80	70	77	ND	5	131	8	178	6	81	13	83	10	55	23	61	24	80											
	1980-81	9	78	ND	10	122	29	47	5	121	11	56	<1	97	4	113	9	76											
	1981-82	38	91	ND	13	128	32	104	43	99	40	67	4	57	45	83	31	92											
1982-83	62	52	7 ^a	6	125	8	80	8	77	13	50	3	54	46	90	25 ^a	70												
1983-84	23	47	5	2	74	5	74	5	65	5	55	0		2	59	8	56												
Spotted seatrout	1977-78	39	61	ND	15	82	25	70	5	41	6	67	13	90	4	65	17	67											
	1978-79	39	77	ND	5	89	5	76	5	62	10	48	16	81	2	132	14	77											
	1979-80	14	71	ND	2	74	19	70	15	74	5	96	4	89	<1	60	9	74											
	1980-81	14	74	ND	5	110	11	72	6	71	20	65	6	63	3	96	9	75											
	1981-82	11	83	ND	4	128	19	66	16	69	4	84	2	83	4	78	9	77											
	1982-83	46	81	5 ^a	6	92	11	70	18	84	6	80	4	83	5	76	17 ^a	81											
	1983-84	19	102	1	3	75	4	89	7	83	1	76	3	92	4	91	7	95											
	1977-78	31	92	ND	10	126	22	161	5	206	1	123	4	105	0		13	119											
Black drum	1978-79	37	77	ND	11	106	4	82	2	106	8	87	6	140	18	99	15	88											
	1979-80	9	133	ND	10	145	1	131	3	102	3	83	3	130	1	142	5	132											
	1980-81	9	102	ND	13	117	1	132	4	128	1	57	13	46	6	128	7	99											
	1981-82	7	139	ND	6	182	10	117	9	133	2	187	<1	140	3	133	6	141											
	1982-83	22	103	3 ^a	6	131	1	128	2	143	3	117	3	134	1	185	7 ^a	116											
	1983-84	8	122	1	2	154	1	137	1	160	<1	17	1	61	<1	91	2	123											

Table 3. (Cont'd.).

Species	Year	Bay system																
		East			Corpus Christi			Upper Laguna Madre			Lower Laguna Madre							
		Galveston	Matagorda	San Antonio	Aransas	Corpus Christi	Upper Laguna Madre	Upper Laguna Madre	Upper Laguna Madre	Lower Laguna Madre	Lower Laguna Madre	Coastwide						
No./ha	No./ha	No./ha	No./ha	No./ha	No./ha	No./ha	No./ha	No./ha	No./ha	No./ha	No./ha							
Sheeps-head	1977-78	2	368	ND	1	237	<1	68	1	120	1	59	0	15	61	1	70	
	1978-79	16	95	ND	1	183	6	60	5	188	12	40	1	1	109	6	94	
	1979-80	2	124	ND	2	187	2	127	3	165	<1	84	0	1	62	2	138	
	1980-81	2	270	ND	2	123	1	213	1	227	2	166	0	2	152	1	193	
	1981-82	4	301	ND	1	226	3	133	1	174	2	349	0	<1	122	2	251	
	1982-83	2	279	0 ^a	<1	203	2	168	<1	67	0	0	0	3	72	1 ^a	157	
	1983-84	0	93	<1	<1	90	1	79	<1	36	<1	83	0	1	66	<1	79	
Southern flounder	1977-78	7	63	ND	1	143	3	36	1	228	1	44	<1	127	1	45	3	67
	1978-79	2	240	ND	<1	272	2	86	0	0	1	100	3	106	1	38	1	150
	1979-80	10	54	ND	1	99	2	56	1	300	4	106	2	82	5	38	4	67
	1980-81	7	119	ND	9	103	3	112	2	84	1	115	1	66	11	70	5	97
	1981-82	10	71	ND	4	125	7	96	19	73	2	62	1	77	15	49	9	73
	1982-83	10	77	1 ^a	3	113	3	80	6	46	1	33	1	114	2	98	4 ^a	74
	1983-84	3	105	1	1	63	1	46	2	54	3	45	1	85	1	64	2	75
Atlantic croaker	1977-78	299	64	ND	225	57	9	104	36	73	4	49	11	87	11	50	112	63
	1978-79	466	52	ND	108	73	53	48	7	75	26	71	3	92	239	49	165	54
	1979-80	1087	56	ND	84	59	17	89	17	61	24	48	1	40	198	42	291	55
	1980-81	566	63	ND	28	98	23	86	7	85	21	75	<1	70	29	57	141	65
	1981-82	1862	60	ND	164	73	66	67	153	59	24	66	1	140	44	55	482	61
	1982-83	879	54	74 ^a	239	67	49	75	65	58	18	29	2	86	67	44	261 ^a	57
	1983-84	1029	57	187	390	61	23	82	135	68	1060	61	4	102	117	58	368	69

Table 3. (Cont'd.).

Species	Year	Bay system																							
		Galveston			East			San Antonio			Aransas			Corpus Christi			Upper Laguna Madre			Lower Laguna Madre			Coastwide		
		No./ha	Length	No./ha Length	Matagorda	Matagorda	No./ha Length	San Antonio	San Antonio	No./ha Length	Aransas	Aransas	No./ha Length	Corpus Christi	Corpus Christi	No./ha Length	Upper Laguna Madre	Upper Laguna Madre	No./ha Length	Lower Laguna Madre	Lower Laguna Madre	No./ha Length	Coastwide	Coastwide	No./ha Length
Sand seatrout	1977-78	12	58	ND	3	62	0	75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	67	
	1978-79	31	60	ND	16	65	2	75	0	0	0	0	1	77	0	0	0	0	0	0	0	10	67		
	1979-80	14	53	ND	8	81	0	64	1	47	0	0	0	0	0	0	0	0	0	0	0	5	61		
	1980-81	22	60	ND	2	73	<1	64	0	0	0	0	<1	47	0	0	0	0	0	0	<1	78	5	66	
	1981-82	45	56	ND	11	67	<1	35	1	76	1	76	1	84	0	0	0	0	0	0	<1	56	12	61	
1982-83	40	55	3 ^a	29	64	0	0	1	70	1	70	2	53	0	0	0	0	0	0	0	<1	85	14 ^a	62	
	1983-84	31	52	10	12	59	<1	47	0	0	0	0	0	0	0	0	0	0	0	7	41	10	55		
Gulf menhaden	1977-78	572	32	ND	2847	40	155	62	3400	44	44	2	46	45	42	42	29	1095	41	73	29	1095	41		
	1978-79	123	53	ND	2075	57	18	74	813	38	38	336	38	6	37	37	1	502	61	1	31	502	61		
	1979-80	14,763	46	ND	115	50	24	52	48	30	30	7	49	4	40	40	54	3353	43	54	31	3353	43		
	1980-81	221	44	ND	402	51	61	40	415	48	48	10	41	841	42	42	13	284	44	13	38	284	44		
	1981-82	4467	47	ND	633	45	1039	37	138	33	33	1038	36	9	32	32	128	1366	37	128	32	1366	37		
1982-83	5237	69	1368 ^a	44	1006	50	71	43	16	34	34	634	33	2	30	30	4	1404 ^a	42	4	44	1404 ^a	42		
	1983-84	1682	44	361	31	46	1096	42	736	39	39	505	52	120	49	49	63	721	46	63	56	721	46		
Hard-head catfish	1977-78	7	133	ND	19	109	12	95	1	89	1	89	1	72	3	104	3	7	104	3	85	7	104		
	1978-79	45	122	ND	17	107	8	126	1	94	8	94	8	154	5	87	10	16	129	10	120	16	129		
	1979-80	44	114	ND	15	122	1	107	2	113	2	113	2	88	4	100	1	14	105	1	94	14	105		
	1980-81	13	114	ND	35	130	9	101	1	104	1	104	5	105	6	76	5	12	104	5	95	12	104		
	1981-82	46	111	ND	46	117	13	97	8	83	8	83	2	108	1	83	2	17	102	2	108	17	102		
1982-83	75	110	13 ^a	51	120	11	94	5	97	5	97	1	106	2	89	2	109	27 ^a	111	2	109	27 ^a	111		
	1983-84	31	92	23	31	86	12	104	19	99	19	99	7	83	5	72	4	18	95	4	97	18	95		

Table 3. (Cont'd.).

Species	Year	Bay system														
		East						West								
		Calveston	Matagorda	Matagorda	San Antonio	Aransas	Corpus Christi	Upper Laguna Madre	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	
Pinfish	1977-78	122	54	ND	76	79	58	79	136	75	83	97	10	86	77	78
	1978-79	174	76	ND	55	79	48	89	84	66	15	122	1	79	47	88
	1979-80	152	39	ND	337	61	168	69	238	59	17	88	150	58	147	61
	1980-81	302	54	ND	125	65	112	82	299	68	32	77	151	75	165	70
	1981-82	136	66	ND	606	59	450	68	248	77	99	77	340	58	260	66
	1982-83	146	71	46 ^a	508	51	606	70	544	66	33	92	209	69	283 ^a	70
	1983-84	232	63	169	198	71	439	58	207	59	128	78	119	78	205	71
Spot	1977-78	445	56	ND	372	48	81	55	323	47	232	59	154	52	268	55
	1978-79	350	42	ND	200	44	58	62	212	58	109	73	56	58	156	57
	1979-80	269	59	ND	258	51	97	59	97	61	85	60	167	49	161	56
	1980-81	373	50	ND	156	63	117	59	140	63	130	63	260	65	213	60
	1981-82	401	63	ND	467	51	626	54	217	60	182	60	338	68	348	59
	1982-83	445	58	50 ^a	179	54	348	56	139	57	58	62	518	62	279 ^a	59
	1983-84	245	65	84	248	46	558	54	513	58	443	64	847	67	393	60
Striped mullet	1977-78	64	125	ND	137	81	57	103	165	115	55	104	118	91	86	108
	1978-79	117	85	ND	273	72	116	104	198	139	17	111	370	54	151	89
	1979-80	110	124	ND	48	129	111	124	70	109	64	77	96	73	86	112
	1980-81	233	50	ND	246	78	145	78	88	107	34	57	175	92	146	78
	1981-82	140	83	ND	216	92	232	89	27	105	25	92	58	127	193	98
	1982-83	87	99	15 ^a	53	61	96	102	36	65	13	97	42	74	55 ^a	93
	1983-84	46	111	43	71	80	109	90	131	58	137	70	241	94	101	85

Table 3. (Cont'd.).

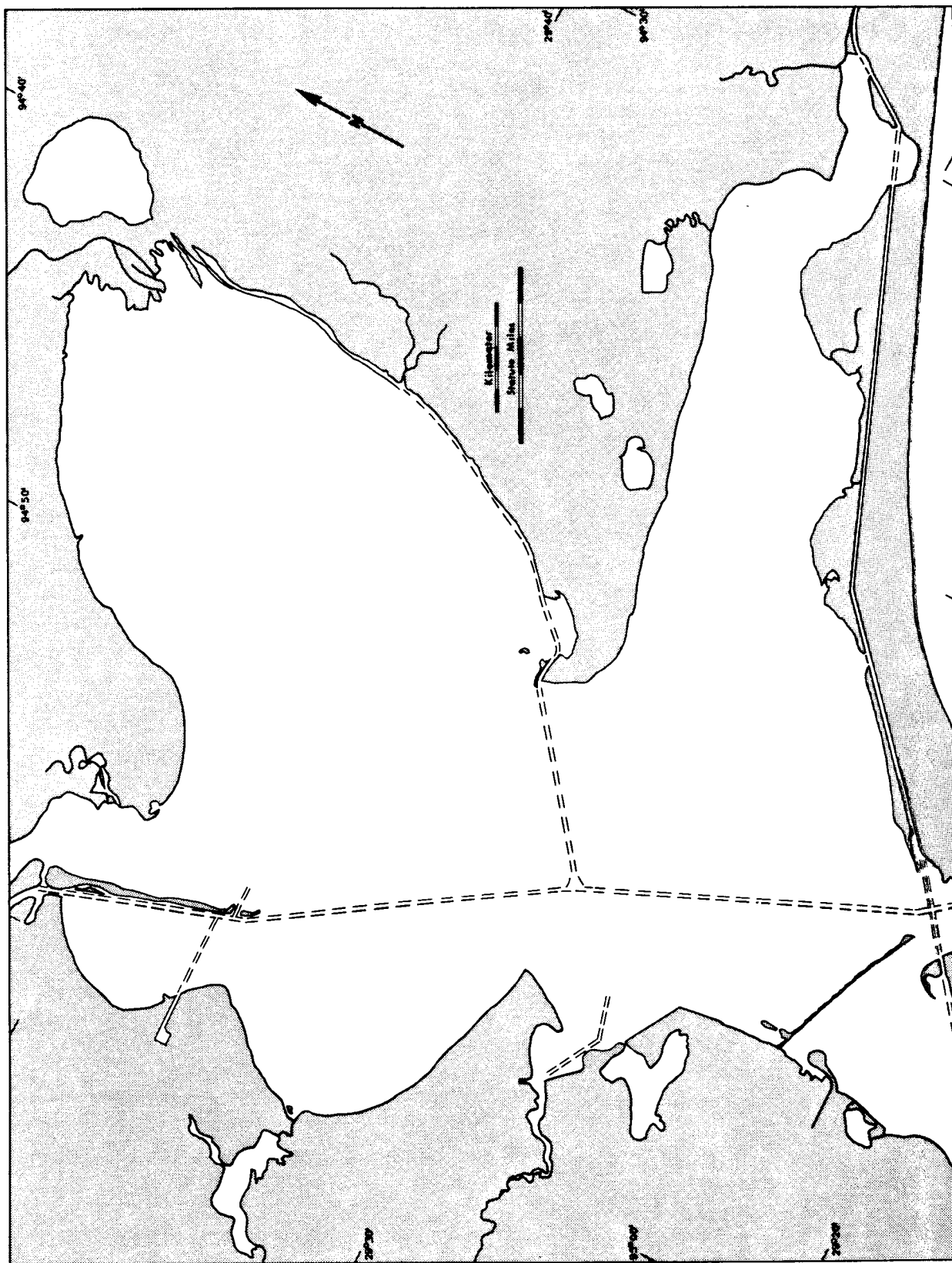
Species	Year	Bay system																										
		Galveston			East Matagorda			Matagorda			San Antonio			Aransas			Corpus Christi			Upper Laguna Madre			Lower Laguna Madre			Coastwide		
		No./ha	Length	No./ha	Length	No./ha	Length	No./ha	Length	No./ha	Length	No./ha	Length	No./ha	Length	No./ha	Length	No./ha	Length	No./ha	Length	No./ha	Length	No./ha	Length	No./ha	Length	
Other fin-fishes	1977-78	376	52	ND	ND	376	81	1374	50	1380	59	1320	57	834	60	408	54	1147	60	1598	62	1500 ^a	64	917	64	1500 ^a	64	917
	1978-79	2404	53	ND	ND	495	69	1890	62	1554	63	1330	63	1273	58	1782	68	1598	62	1598	62	1500 ^a	64	917	64	1500 ^a	64	917
	1979-80	2108	66	ND	ND	234	82	1882	52	1715	64	996	67	1711	59	483	64	1356	66	1356	66	1500 ^a	67	918	67	918	67	918
	1980-81	1519	65	ND	ND	393	79	883	62	859	68	1068	66	1058	68	398	67	918	67	918	67	918	67	918	67	918	67	918
	1981-82	1490	70	ND	ND	313	79	2017	52	2388	56	1402	61	816	56	513	56	1276	62	1276	62	1500 ^a	63	917	63	917	63	917
	1982-83	2131	67	414 ^a	75	402	84	1440	54	3595	52	926	58	967	56	428	61	1500 ^a	63	1500 ^a	63	1500 ^a	63	917	63	917	63	917
	1983-84	1430	70	356	69	442	82	787	59	1692	55	601	61	796	52	354	59	917	64	917	64	917	64	917	64	917	64	917
Total fin-fishes	1977-78	3606	56	ND	ND	3808	67	2218	56	5031	64	1978	62	1287	67	785	59	2849	64	2849	64	2849	64	2849	64	2849	64	2849
	1978-79	3702	54	ND	ND	2831	72	2533	62	2609	62	2218	69	1478	61	2500	65	2691	63	2691	63	2691	63	2691	63	2691	63	2691
	1979-80	18,657	85	ND	ND	646	87	2597	54	2182	68	1458	68	1899	63	1181	60	5455	70	5455	70	5455	70	5455	70	5455	70	5455
	1980-81	3288	62	ND	ND	1193	81	1547	63	1672	88	1659	74	2122	60	1053	72	1914	68	1914	68	1914	68	1914	68	1914	68	1914
	1981-82	8596	69	ND	ND	1911	76	4501	56	4081	62	3028	64	1140	59	1485	63	3996	64	3996	64	3996	64	3996	64	3996	64	3996
	1982-83	9178	71	2006 ^a	61	1987	85	2357	55	4778	56	2322	58	1089	61	1318	65	3880 ^a	64	3880 ^a	64	3880 ^a	64	3880 ^a	64	3880 ^a	64	3880 ^a
	1983-84	4535	64	1383	69	1436	73	2447	60	3703	62	3032	54	1638	59	1759	70	2753	64	2753	64	2753	64	2753	64	2753	64	2753

^aEast Matagorda Bay data are only for February-September 1983. Coastwide values do not include East Matagorda Bay data.

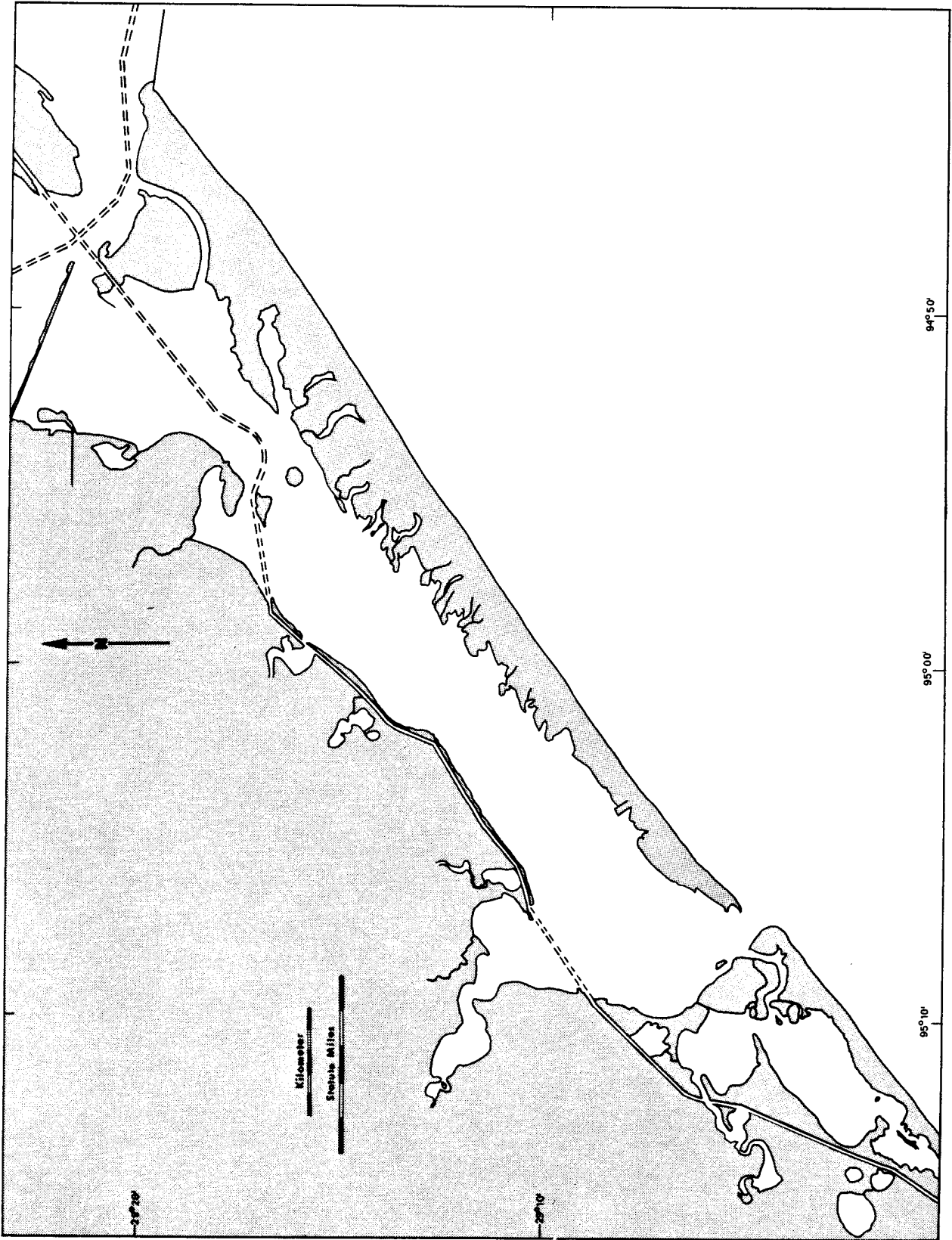
Figure 1. Galveston Bay System.

(A) Trinity, upper Galveston and
East Bays

(B) West Bay



(A)



(B)

Figure 2. East Matagorda Bay System.

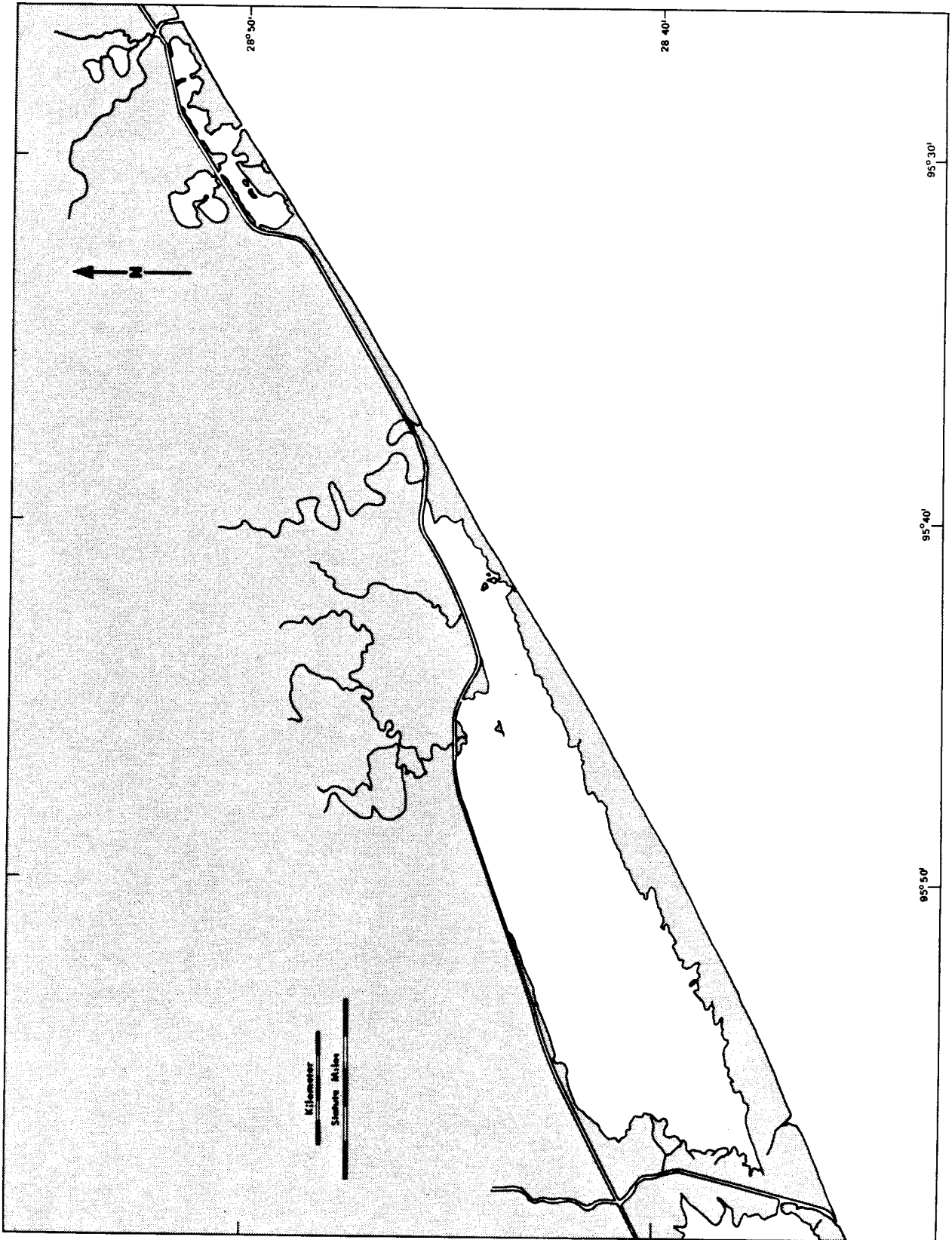
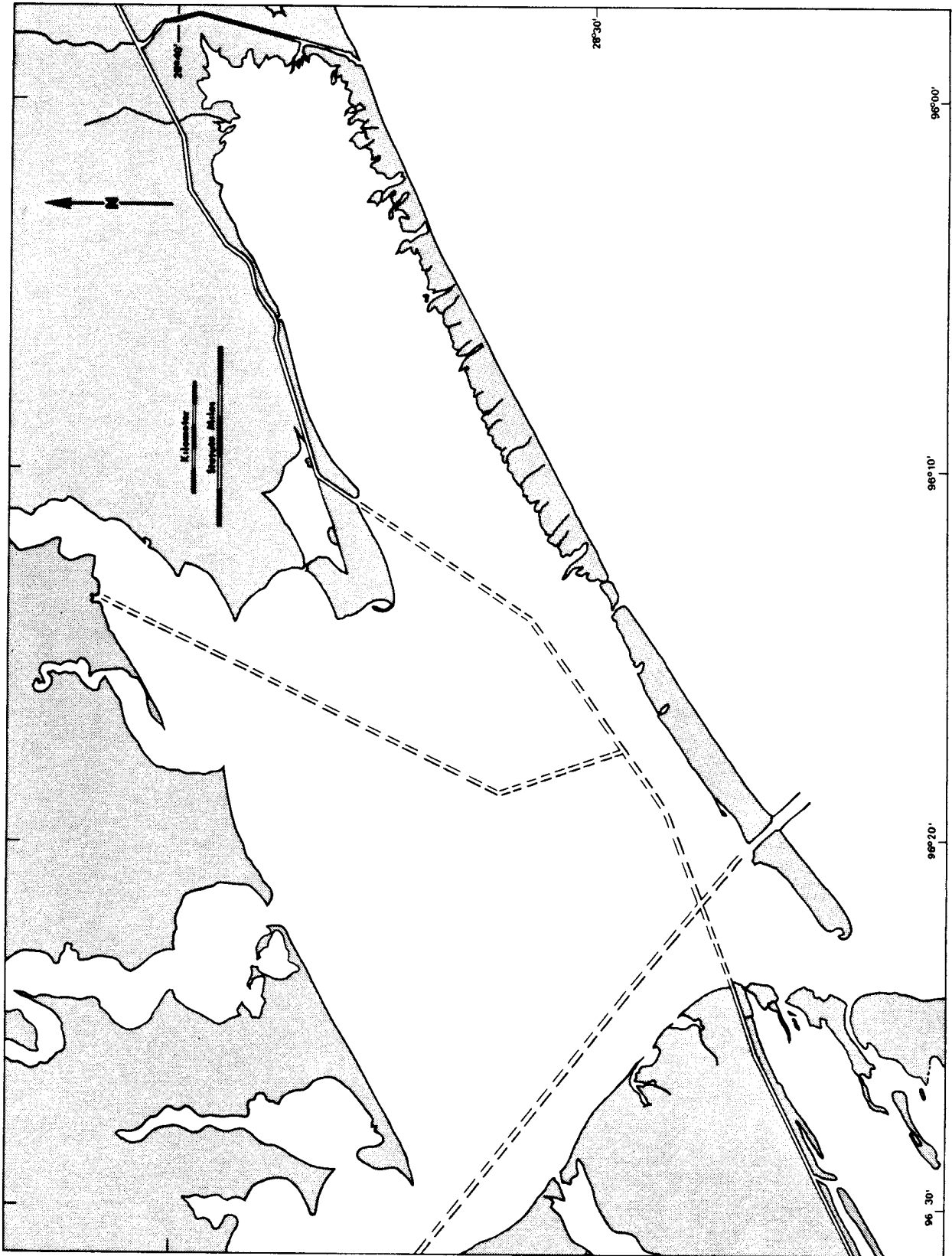


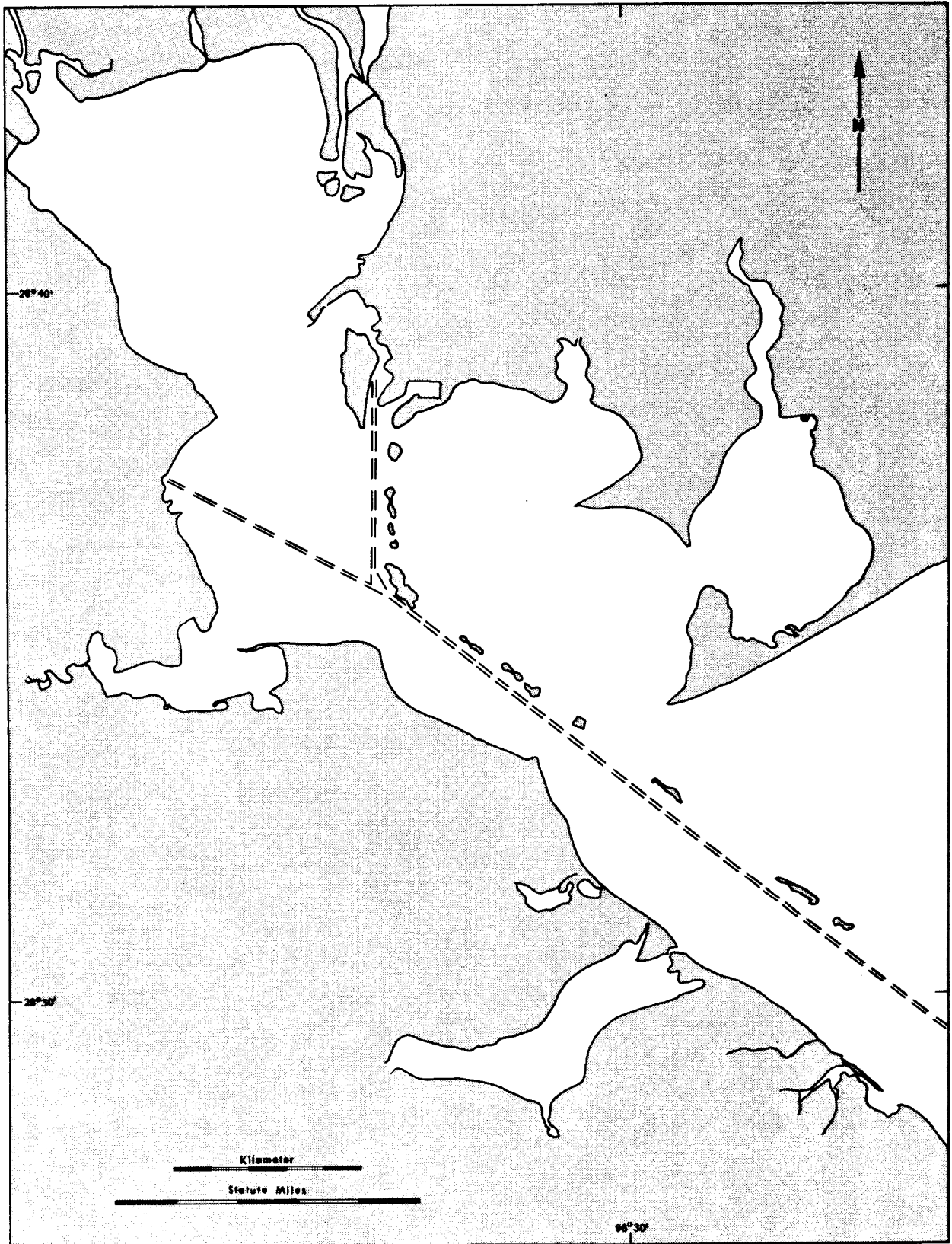
Figure 3. Matagorda Bay System.

(A) Matagorda Bay

(B) Lavaca Bay



(A)



(B)

Figure 4. San Antonio Bay System.

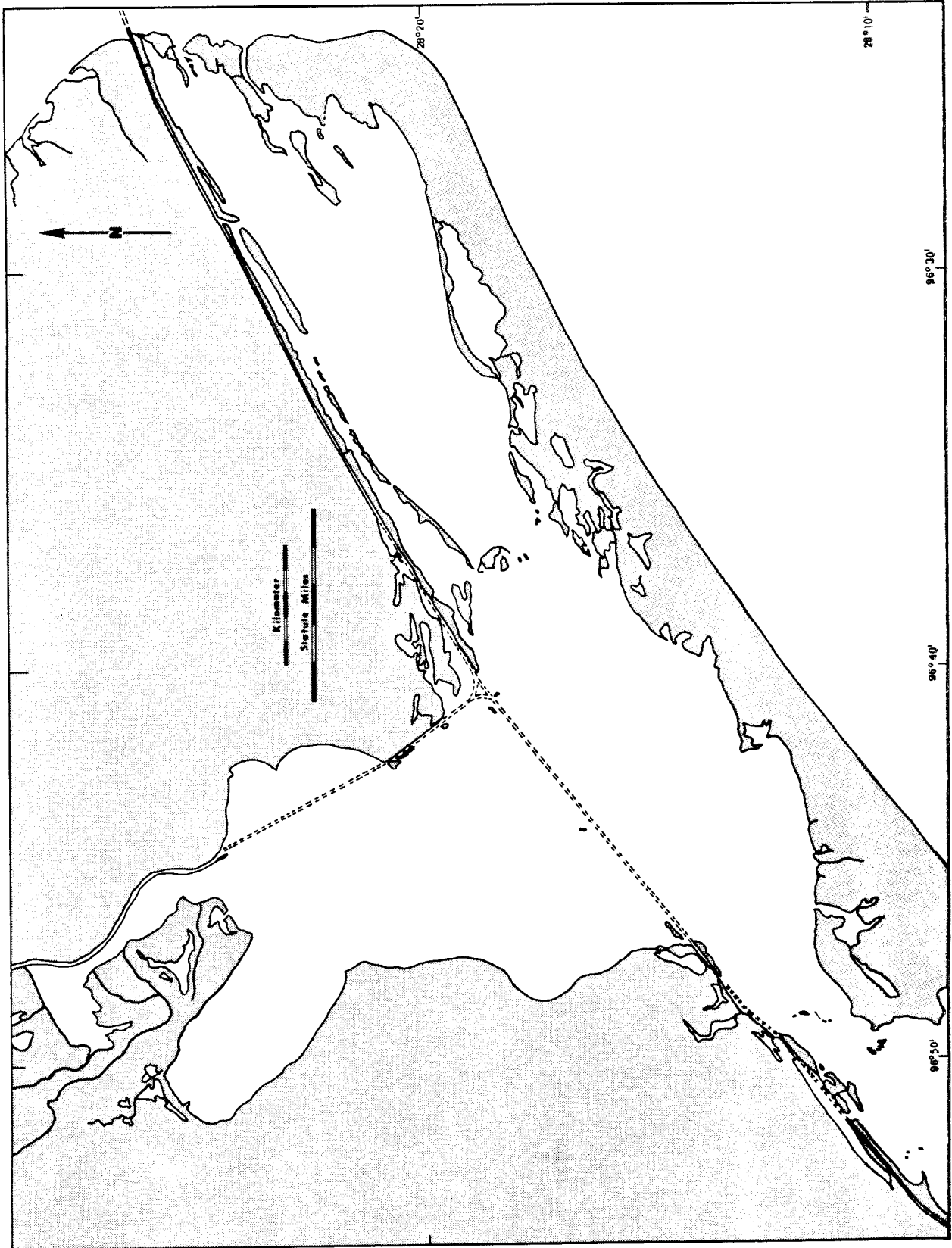


Figure 5. Aransas Bay System.

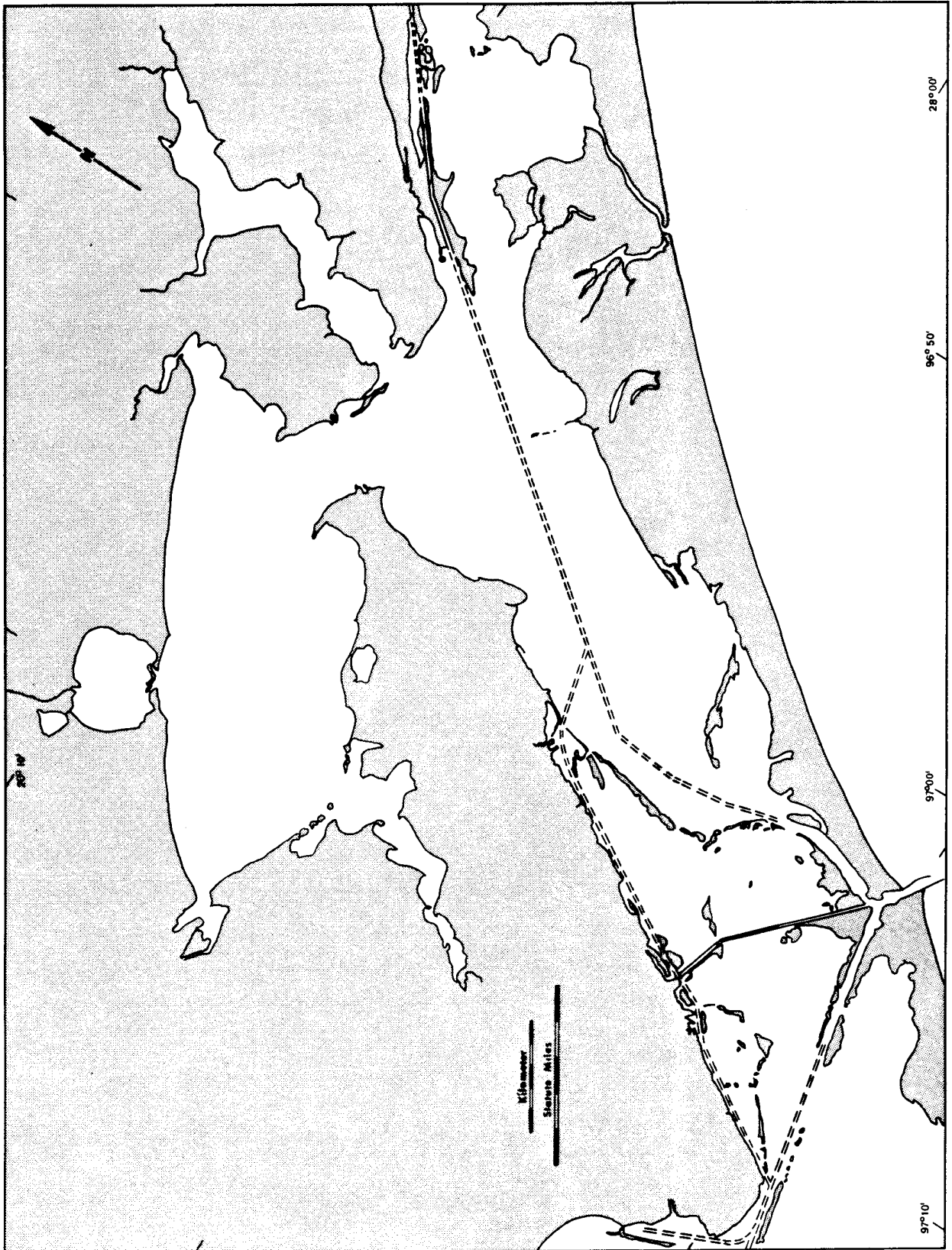


Figure 6. Corpus Christi Bay System.

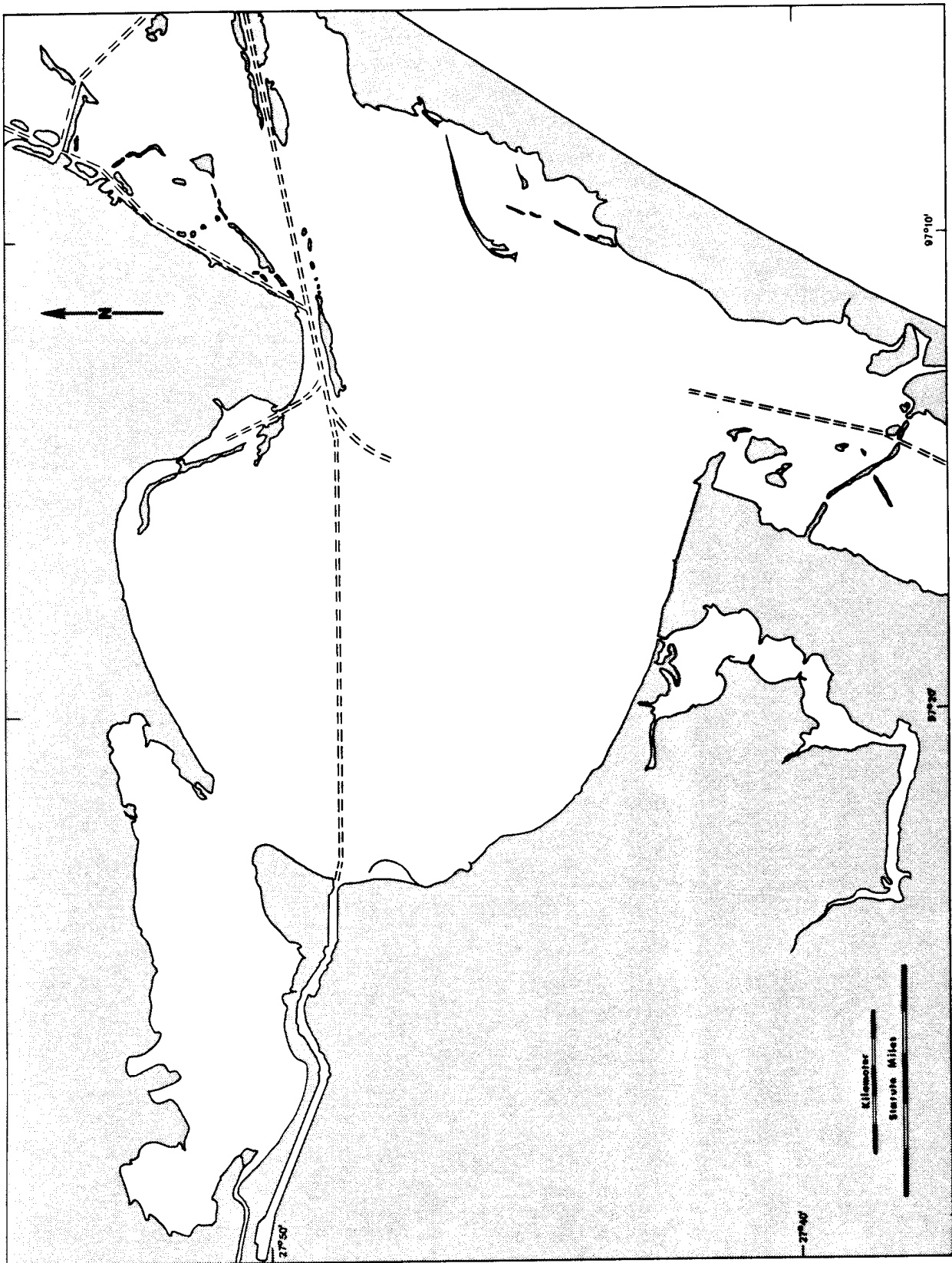


Figure 7. Upper Laguna Madre System.

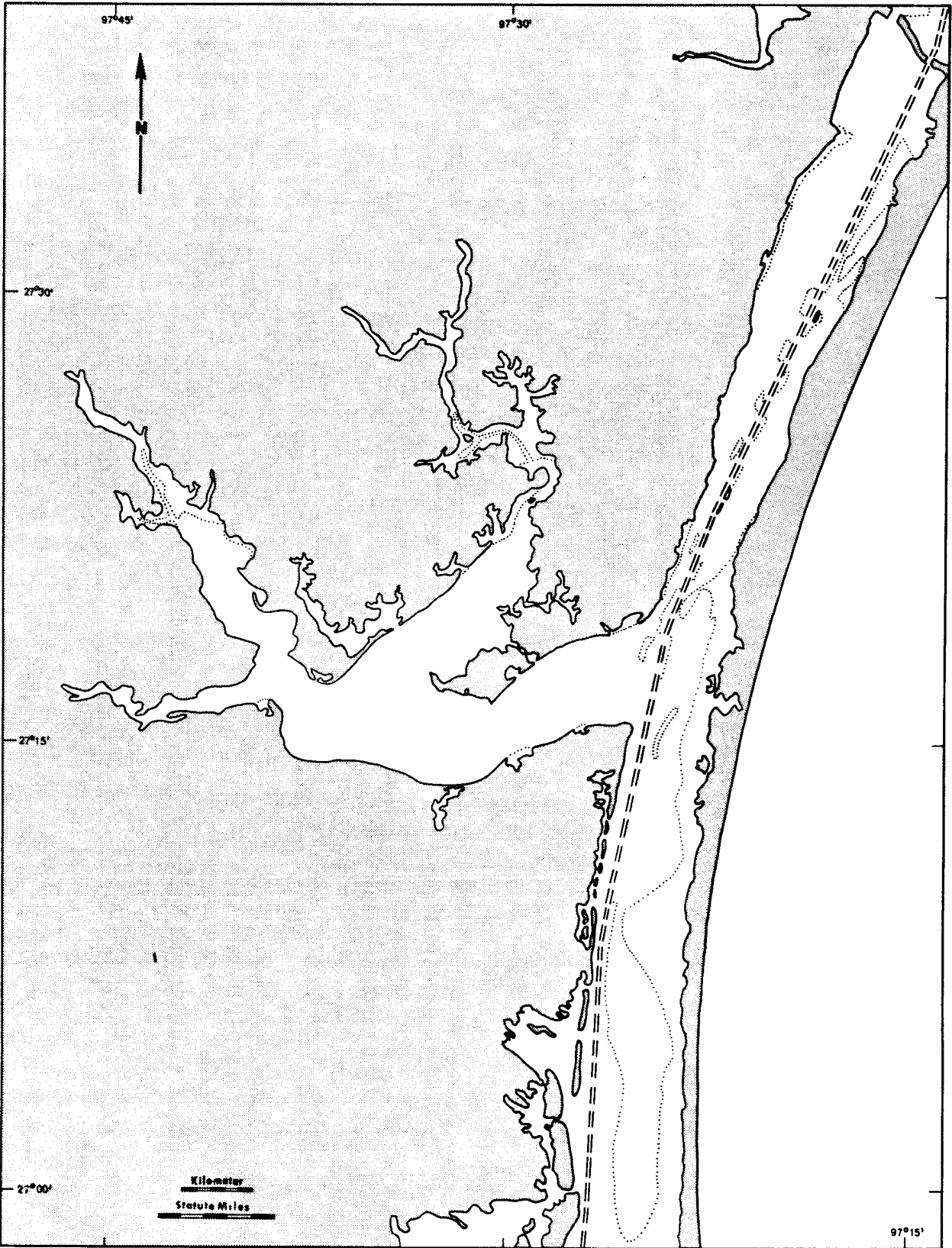
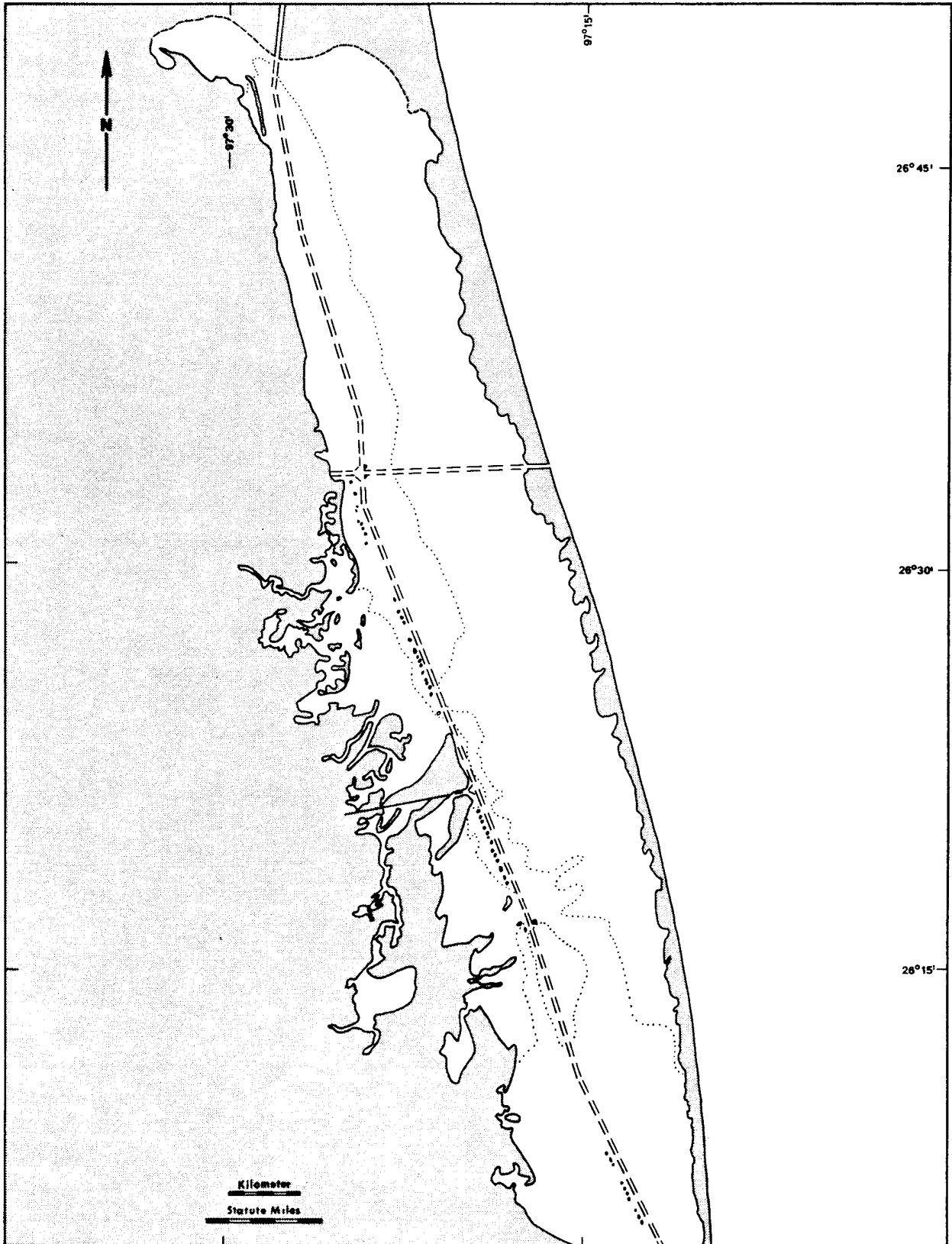


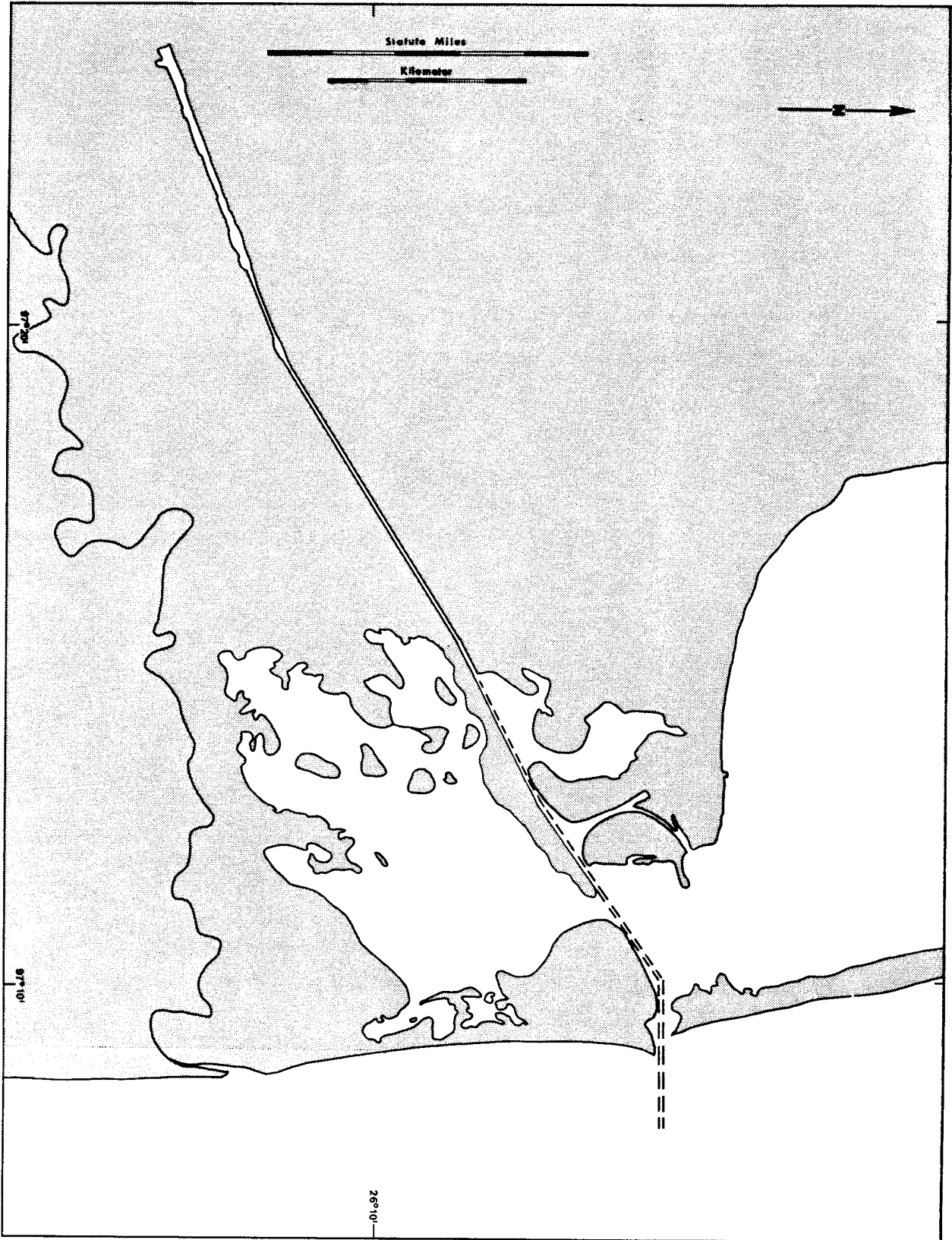
Figure 8. Lower Laguna Madre System.

(A) Upper Laguna Madre

(B) South Bay



(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
	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
	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	

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

Bay	Grid	Latitude	Longitude
Galveston (Cont'd.).	170	29 36 30	94 56 30
	183	29 36 30	94 43 30
	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
	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
	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
	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	

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

Bay	Grid	Latitude	Longitude
Galveston (Cont'd.).	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
	338	29 30 30	94 56 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

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

Bay	Grid	Latitude	Longitude
Galveston (Cont'd.).	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
	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	

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

Bay	Grid	Latitude	Longitude
Galveston (Cont'd.).	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
	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
	694	29 5 30	95 8 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

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

Bay	Grid	Latitude	Longitude
Galveston (Cont'd.).	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
	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	

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

Bay	Grid	Latitude	Longitude
Matagorda (Cont'd.).	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
	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

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

Bay	Grid	Latitude	Longitude
Matagorda (Cont'd.).	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
	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	

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

Bay	Grid	Latitude	Longitude
Matagorda (Cont'd.).	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
	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

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

Bay	Grid	Latitude	Longitude
Matagorda (Cont'd.).	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
	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	

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

Bay	Grid	Latitude	Longitude
Matagorda (Cont'd.).	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
	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	

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

Bay	Grid	Latitude	Longitude
Matagorda (Cont'd.).	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
	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	

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

Bay	Grid	Latitude	Longitude
Matagorda (Cont'd.).	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
	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	

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

Bay	Grid	Latitude	Longitude
San Antonio (Cont'd.).	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
	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	

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

Bay	Grid	Latitude	Longitude
San Antonio (Cont'd.).	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
	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	

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

Bay	Grid	Latitude	Longitude
San Antonio (Cont'd.).	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
	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	

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

Bay	Grid	Latitude	Longitude
Aransas (Cont'd.).	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
	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	

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

Bay	Grid	Latitude	Longitude
Aransas (Cont'd.).	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	
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	

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

Bay	Grid	Latitude	Longitude
Aransas (Cont'd.).	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
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	

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

Bay	Grid	Latitude	Longitude	
Aransas (Cont'd.).	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	
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		

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

Bay	Grid	Latitude	Longitude
Corpus Christi (Cont'd.).	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	
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	

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

Bay	Grid	Latitude	Longitude
Corpus Christi (Cont'd.).	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
	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	

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

Bay	Grid	Latitude	Longitude
Upper Laguna Madre (Cont'd.).	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	
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	

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

Bay	Grid	Latitude	Longitude
Upper Laguna Madre (Cont'd.).	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	
143	27 19 30	97 38 30	
144	27 19 30	97 37 30	
146	27 19 30	97 34 30	

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

Bay	Grid	Latitude	Longitude
Upper Laguna Madre (Cont'd.).	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	
231	27 15 30	97 28 30	
232	27 15 30	97 27 30	

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

Bay	Grid	Latitude	Longitude
Upper Laguna Madre (Cont'd.).	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	

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

Bay	Grid	Latitude	Longitude
Lower Laguna Madre (Cont'd.).	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
	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
	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
	188	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	

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

Bay	Grid	Latitude	Longitude
Lower Laguna Madre (Cont'd.).	310	26 7 30	97 16 30
	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
	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 A.1. (Cont'd.).

Bay	Grid	Latitude	Longitude
East Matagorda (Cont'd.).	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
	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
	36	29 43 30	94 59 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	

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

Bay	Grid	Latitude	Longitude
Galveston (Cont'd.).	124	29 39 30	94 40 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
	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
	205	29 34 30	95 4 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

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

Bay	Grid	Latitude	Longitude
Galveston (Cont'd.).	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
	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
	338	29 30 30	94 56 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	
392	29 28 30	94 55 30	

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

Bay	Grid	Latitude	Longitude
Galveston (Cont'd.).	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
	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

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

Bay	Grid	Latitude	Longitude
Galveston (Cont'd.).	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
	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	

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

Bay	Grid	Latitude	Longitude
Galveston (Cont'd.).	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
	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

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

Bay	Grid	Latitude	Longitude
Galveston (Cont'd.).	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
	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

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

Bay	Grid	Latitude	Longitude
Galveston (Cont'd.).	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
	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
	14	28 44 30	96 39 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	

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

Bay	Grid	Latitude	Longitude
Matagorda (Cont'd.).	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
	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	

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

Bay	Grid	Latitude	Longitude
Matagorda (Cont'd.).	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
	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
	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	

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

Bay	Grid	Latitude	Longitude
Matagorda (Cont'd.).	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
	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
	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

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

Bay	Grid	Latitude	Longitude
Matagorda (Cont'd.).	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
	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

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

Bay	Grid	Latitude	Longitude
Matagorda (Cont'd.).	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
	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	

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

Bay	Grid	Latitude	Longitude
Matagorda (Cont'd.).	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
	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	

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

Bay	Grid	Latitude	Longitude
Matagorda (Cont'd.).	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	2	28 29 30	96 46 30
	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
	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	

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

Bay	Grid	Latitude	Longitude
San Antonio (Cont'd.).	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	
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	

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

Bay	Grid	Latitude	Longitude
San Antonio (Cont'd.).	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
	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	

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

Bay	Grid	Latitude	Longitude
San Antonio (Cont'd.).	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	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
	11	28 13 30	96 59 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	

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

Bay	Grid	Latitude	Longitude
Aransas (Cont'd.).	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
	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

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

Bay	Grid	Latitude	Longitude
Aransas (Cont'd.).	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	
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	

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

Bay	Grid	Latitude	Longitude
Aransas (Cont'd.).	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	
247	28 1 30	97 8 30	
248	28 1 30	97 7 30	
249	28 1 30	97 3 30	

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

Bay	Grid	Latitude	Longitude
Aransas (Cont'd.).	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	
328	27 53 30	97 7 30	

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

Bay	Grid	Latitude	Longitude
Aransas (Cont'd.).	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
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
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	
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	

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

Bay	Grid	Latitude	Longitude
Corpus Christi (Cont'd.).	59	27 52 30	97 17 30
	60	27 52 30	97 16 30
	61	27 52 30	97 15 30
	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	

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

Bay	Grid	Latitude	Longitude
Corpus Christi (Cont'd.).	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
	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

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

Bay	Grid	Latitude	Longitude
Upper Laguna Madre (Cont'd.).	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
	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

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

Bay	Grid	Latitude	Longitude
Upper Laguna Madre (Cont'd.).	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
	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	

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

Bay	Grid	Latitude	Longitude
Upper Laguna Madre (Cont'd.).	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
	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	

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

Bay	Grid	Latitude	Longitude
Upper Laguna Madre (Cont'd.).	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
	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	

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

Bay	Grid	Latitude	Longitude
Upper Laguna Madre (Cont'd.).	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
	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	

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

Bay	Grid	Latitude	Longitude
Lower Laguna Madre (Cont'd.).	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 25 30
	104	26 31 30	97 25 30
	105	26 31 30	97 24 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
	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	

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

Bay	Grid	Latitude	Longitude
Lower Laguna Madre (Cont'd.).	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
	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
	329	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
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

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

Bay	Grid	Latitude	Longitude
East Matagorda (Cont'd.).	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
	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	

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

Bay	Grid	Latitude	Longitude
East Matagorda (Cont'd.).	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 1975-1984. Blank indicates no measurement taken.

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

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

Species	Year	Mesh size												
		7.6-cm		10.2-cm		12.7-cm		15.2-cm		15.2-cm		15.2-cm		
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	
Black drum	1975	0.2	223	0.2	343	<.1	668	<.1	668	<.1	581	<.1	581	
	1976	0.1	212	0.1	273	0.1	417	0.1	417	<.1	457	<.1	457	
	1977	<.1	226	0.1	314	0.2	382	0.2	382	0.1	505	0.1	505	
	1978	0.0		0.1	317	0.2	398	0.2	398	0.1	444	0.1	444	
	1979	<.1	238	<.1	312	<.1	438	<.1	438	0.1	489	0.1	489	
	1980	<.1	304	0.3	328	0.2	426	0.2	426	0.2	472	0.2	472	
	1981	<.1	287	0.1	356	0.1	440	0.1	440	0.1	481	0.1	481	
	1982	0.1	260	0.3	327	0.2	391	0.2	391	0.1	469	0.1	469	
	1983	<.1	294	0.1	334	<.1	408	<.1	408	0.1	462	0.1	462	
	1984	0.1	245	0.1	335	0.2	426	0.2	426	0.1	483	0.1	483	
	Sheepshead	1975	0.0		0.0		<.1	258	<.1	258	<.1	432	<.1	432
		1976	0.0		<.1	308	<.1	309	<.1	309	<.1	386	<.1	386
		1977	0.0		0.0		<.1	354	<.1	354	<.1	340	<.1	340
		1978	<.1	383	<.1	238	<.1	286	<.1	286	<.1	346	<.1	346
1979		0.0		0.0		<.1	339	<.1	339	<.1	427	<.1	427	
1980		<.1	150	<.1	234	<.1	324	<.1	324	<.1	339	<.1	339	
1981		<.1	338	<.1	254	<.1	340	<.1	340	<.1	360	<.1	360	
1982		<.1	320	<.1	301	<.1	314	<.1	314	<.1	358	<.1	358	
1983		<.1	366	<.1	218	<.1	338	<.1	338	<.1	368	<.1	368	
1984		<.1	243	0.0		<.1	356	<.1	356	<.1	390	<.1	390	

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

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

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

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

Species	Year	Mesh size																
		7.6-cm		10.2-cm		12.7-cm		15.2-cm		7.6-cm		10.2-cm		12.7-cm		15.2-cm		
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	
Gulf menhaden	1975	0.2	260	0.2	284	0.1	279	0.1	279	0.1	280	0.1	280	0.1	280	0.1	280	
	1976	1.8	250	0.4	228	0.4	227	0.4	227	0.4	221	0.4	221	0.4	221	0.4	221	
	1977	3.7	246	0.2	249	<.1	254	<.1	254	<.1	213	<.1	213	<.1	213	<.1	213	
	1978	0.5	245	<.1	284	<.1	248	<.1	248	<.1	252	<.1	252	<.1	252	<.1	252	
	1979	0.1	261	<.1	213	<.1	244	<.1	244	<.1	241	<.1	241	<.1	241	<.1	241	
	1980	0.1	255	0.1	258	0.1	246	0.1	246	0.1	253	0.1	253	0.1	253	0.1	253	
	1981	0.6	260	<.1	249	<.1	257	<.1	257	<.1	263	<.1	263	<.1	263	<.1	263	
	1982	0.5	251	<.1	245	<.1	250	<.1	250	<.1	242	<.1	242	<.1	242	<.1	242	
	1983	1.3	255	0.1	262	0.1	260	0.1	260	0.1	259	0.1	259	0.1	259	0.1	259	
	1984	0.9	255	<.1	274	<.1	258	<.1	258	<.1	252	<.1	252	<.1	252	<.1	252	
	Hardhead catfish	1975	0.7	312	0.1	323	<.1	277	<.1	277	0.0	365	0.0	365	0.0	365	0.0	365
		1976	0.4	320	0.3	382	0.1	367	0.1	367	<.1	365	<.1	365	<.1	365	<.1	365
		1977	0.2	321	0.2	367	0.0	367	0.0	367	0.0	424	0.0	424	0.0	424	0.0	424
		1978	1.0	322	0.4	380	<.1	428	<.1	428	<.1	341	<.1	341	<.1	341	<.1	341
1979		0.9	330	0.6	373	0.1	357	0.1	357	<.1	347	<.1	347	<.1	347	<.1	347	
1980		0.4	318	0.2	363	<.1	368	<.1	368	<.1	342	<.1	342	<.1	342	<.1	342	
1981		0.7	327	0.2	372	<.1	345	<.1	345	<.1	347	<.1	347	<.1	347	<.1	347	
1982		1.3	330	0.2	381	<.1	345	<.1	345	<.1	293	<.1	293	<.1	293	<.1	293	
1983		0.9	332	0.2	381	<.1	359	<.1	359	<.1	313	<.1	313	<.1	313	<.1	313	
1984		1.2	324	0.3	354	0.1	310	0.1	310	0.1	313	0.1	313	0.1	313	0.1	313	

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
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	
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	

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

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

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	1975	3.2	322	1.8	370	0.5	651	0.4	555				
finfishes	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				

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 1975-1984. Blank indicates no measurement taken; ND = no data.

Species	Year	Mesh size											
		7.6-cm		10.2-cm		12.7-cm		15.2-cm		17.8-cm		20.3-cm	
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length
Red drum	1975	ND		ND		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				
Spotted seatrout	1975	ND		ND		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	<.1					
	1984	0.3	426	0.1	508	<.1	455	<.1	488				

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

Species	Year	Mesh size											
		7.6-cm		10.2-cm		12.7-cm		15.2-cm					
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length
Black drum	1975	ND		ND		ND		ND		ND		ND	
	1976	0.2	210	0.4	286	0.3	342	0.1	426	0.1	426	0.1	426
	1977	<.1	313	0.2	324	0.2	400	0.1	425	0.1	425	0.1	425
	1978	0.2	235	0.3	330	0.4	372	0.1	462	0.1	462	0.1	462
	1979	<.1	894	<.1	306	0.1	401	<.1	496	<.1	496	<.1	496
	1980	<.1	253	0.5	298	0.2	374	0.1	480	0.1	480	0.1	480
	1981	0.1	253	0.2	310	0.1	374	0.1	441	0.1	441	0.1	441
	1982	0.1	271	1.3	322	0.8	374	0.2	439	0.2	439	0.2	439
	1983	0.2	230	0.3	344	0.2	417	0.2	460	0.3	460	0.3	460
	1984	0.2	250	0.1	303	0.1	417	0.1	476	0.1	476	0.1	476
Sheepshead	1975	ND		ND		ND		ND		ND		ND	
	1976	0.0		0.0		0.1	307	0.0	370	0.0	370	0.0	370
	1977	0.0		0.1	261	0.2	304	0.1	362	0.1	362	0.1	362
	1978	0.0		<.1	259	0.1	286	0.1	386	0.1	386	0.1	386
	1979	<.1	350	<.1	377	0.2	340	<.1	360	<.1	360	<.1	360
	1980	0.0		<.1	239	<.1	315	<.1	382	<.1	382	<.1	382
	1981	0.0		0.1	224	<.1	292	<.1	368	<.1	368	<.1	368
	1982	0.0		<.1	300	0.1	303	0.1	375	0.1	375	0.1	375
	1983	0.0		0.1	277	0.2	350	0.2	375	0.2	375	0.2	375
	1984	<.1	416	<.1	407	0.1	371	0.1	389	0.2	389	0.2	389

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

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

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

Species	Year	Mesh size											
		7.6-cm		10.2-cm		12.7-cm		15.2-cm		17.8-cm		20.3-cm	
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length
Sand seatrout	1975	ND		ND		ND		ND		ND		ND	
	1976	0.2	302	<.1	261	0.0		0.0		0.1		0.1	302
	1977	0.0		0.0		0.0		0.0		0.0		0.0	
	1978	0.0		<.1		0.0		0.0		0.0		0.0	
	1979	0.0		0.0		0.0		0.0		0.0		0.0	
	1980	0.0		0.0		0.0		0.0		0.0		0.0	
	1981	0.0		0.0		0.0		<.1	222	<.1	268	<.1	268
	1982	<.1	225	0.0		<.1		<.1	249	<.1	260	<.1	260
	1983	0.0		<.1	206	<.1		<.1	241	<.1	244	<.1	244
	1984	<.1	312	0.0		0.0		<.1	316	0.0		0.0	
Gafftopsail catfish	1975	ND		ND		ND		ND		ND		ND	
	1976	0.0		0.0		0.0		0.0		0.0		0.0	
	1977	0.0		0.0		0.0		0.0		0.0		0.0	
	1978	0.0		0.0		0.0		0.0		0.0		0.0	
	1979	0.0		<.1	435	0.1		0.1	547	<.1	551	<.1	551
	1980	0.0		0.0		0.0		0.0		0.0		0.0	
	1981	0.0		0.0		0.0		0.0		0.0		0.0	
	1982	0.0		0.0		0.0		0.0		0.0		0.0	
	1983	<.1	396	0.1	464	<.1		<.1	495	<.1	508	<.1	508
	1984	<.1	420	<.1	461	<.1		<.1	466	<.1	535	<.1	535

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

Species	Year	Mesh size												
		7.6-cm		10.2-cm		12.7-cm		15.2-cm						
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	
Gulf menhaden	1975	ND		ND		ND		ND		ND		ND		
	1976	<.1		0.0		0.0		0.0		0.0		0.0		
	1977	0.0		<.1	281	<.1	237							
	1978	0.4	241	0.1	275	0.0								
	1979	<.1	240	0.0		<.1	220						212	
	1980	<.1		0.0		0.0								
	1981	0.0		0.0		0.0								
	1982	0.0		<.1	310	<.1								
	1983	0.1	245	<.1	276	0.0								
	1984	0.1	288	<.1	264	<.1	271							
	Hardhead catfish	1975	ND		ND		ND		ND		ND		ND	
		1976	<.1	322	0.0		0.0		0.0		0.0		0.0	
		1977	0.2	313	0.1	353	<.1	375						
1978		0.1	307	0.0		<.1	260							
1979		0.1	327	0.1	356	<.1								
1980		0.3	319	0.1	367	0.0							382	
1981		0.2	322	<.1	300	<.1	350							
1982		0.2	336	0.1	332	<.1	330						331	
1983		0.2	330	0.1	358	<.1	260						340	
1984		0.9	316	0.2	361	<.1	306							

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

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

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

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

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 1975-1984. Blank indicates no measurement taken.

Species	Year	Mesh size								
		7.6-cm		10.2-cm		12.7-cm		15.2-cm		
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	
Red drum	1975	1.1	332	0.1	409	<.1	387	<.1	312	
	1976	0.3	370	0.2	460	0.0		<.1	618	
	1977	0.4	350	0.2	464	0.1	567	0.1	660	
	1978	0.8	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	
	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	

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

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

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

Species	Year	Mesh size											
		7.6-cm		10.2-cm		12.7-cm		15.2-cm		15.2-cm		15.2-cm	
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length
Southern flounder	1975	0.1	254	<.1	280	<.1	438	<.1	438	<.1	460	<.1	460
	1976	<.1	220	<.1	307	<.1	338	<.1	338	0.0	390	0.0	390
	1977	<.1	250	0.0		<.1	326	<.1	326	<.1	387	<.1	387
	1978	0.0		0.0		<.1	284	<.1	284	<.1	454	<.1	454
	1979	<.1	240	<.1	310	<.1	437	<.1	437	<.1	436	<.1	436
	1980	<.1	202	0.1	311	0.1	343	0.1	343	<.1	413	<.1	413
	1981	<.1	271	<.1	298	<.1	401	<.1	401	<.1	413	<.1	413
	1982	<.1	281	<.1	296	<.1	373	<.1	373	<.1	398	<.1	398
	1983	<.1	308	<.1	298	<.1	345	<.1	345	<.1	384	<.1	384
	1984	<.1	224	<.1	300	<.1	350	<.1	350	<.1		<.1	
Atlantic croaker	1975	0.0		0.0		0.0		0.0		0.0		0.0	
	1976	0.3	262	<.1	308	0.0	308	0.0	308	0.0	0.0	0.0	0.0
	1977	0.2	259	<.1	347	0.0	347	0.0	347	0.0	0.0	0.0	0.0
	1978	0.2	255	0.0		0.0		0.0		0.0		0.0	
	1979	0.1	282	<.1	330	0.0	330	0.0	330	0.0	0.0	0.0	0.0
	1980	0.2	261	0.0		0.0		0.0		0.0		0.0	
	1981	0.1	267	<.1	335	<.1	335	0.0	335	0.0	0.0	0.0	0.0
	1982	0.1	267	<.1	357	<.1	357	0.0	357	0.0	0.0	0.0	0.0
	1983	0.2	263	0.0		0.0		0.0		0.0		0.0	
	1984	0.1	259	0.0		0.0		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		15.2-cm		Length	
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	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						
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		0.0	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		0.0					
	1981	0.0		<.1	406	<.1	525	<.1	617				
	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					

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	No./h	Length	No./h	Length	
Gulf mendaden	1975	0.6	278	1.1	317	<.1	200	<.1	240	<.1	240	<.1	240	
	1976	0.2	240	<.1	270	<.1	261	<.1	243	0.1	243	0.1	243	
	1977	0.2	244	0.0		0.0				0.0		0.0		
	1978	<.1	229	<.1	256	<.1	263	<.1	246	0.0		0.0		
	1979	0.4	251	<.1	255	<.1	238	<.1		<.1		<.1		
	1980	<.1	260	<.1	260	0.0				0.0		0.0		
	1981	0.1	249	<.1	239	<.1	233	<.1	235	<.1		<.1	235	
	1982	<.1	255	<.1	234	<.1	205	<.1	243	<.1		<.1	243	
	1983	<.1	248	<.1	269	<.1	227	<.1	273	<.1		<.1	273	
	1984	0.2	248	<.1	244	<.1	258	<.1	241	<.1		<.1	241	
	Hardhead catfish	1975	0.1	305	<.1	365	<.1	265	<.1	310	<.1		<.1	310
		1976	0.1	282	0.1	289	<.1	304	<.1	170	<.1		<.1	170
		1977	0.1	309	<.1	298	<.1	318	<.1		0.0		0.0	
		1978	0.1	286	<.1	297	<.1	248	<.1		0.0		0.0	
1979		0.1	306	<.1	388	<.1	350	<.1		0.0		0.0		
1980		0.1	331	0.0		0.0				0.0		0.0		
1981		0.2	317	0.1	312	<.1	249	<.1	343	<.1		<.1	343	
1982		0.1	325	0.1	355	<.1	238	<.1	295	<.1		<.1	295	
1983		0.2	325	0.1	354	<.1	304	<.1	353	<.1		<.1	353	
1984		0.3	314	0.1	352	<.1	323	<.1	340	<.1		<.1	340	

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
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	
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	

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	No./h	Length	No./h	Length
Striped mullet	1975	0.3	318	0.1	410	0.0		0.0		0.0		0.0	
	1976	0.2	328	0.1	422	0.0		0.0		0.0		0.0	
	1977	0.4	324	<.1	482	0.0		0.0		0.0		0.0	
	1978	0.6	330	0.1	451	0.0		0.0		0.0		0.0	
	1979	0.3	329	<.1	430	0.0		0.0		0.0		0.0	
	1980	0.2	332	<.1	426	0.0		0.0		0.0		0.0	
	1981	0.1	320	<.1	439	0.0		0.0		0.0		0.0	
	1982	0.3	327	<.1	424	0.0		0.0		0.0		0.0	
	1983	0.2	334	<.1	408	<.1	420	0.0		0.0		0.0	
	1984	0.2	327	<.1	405	0.0		0.0		0.0		0.0	
Other finfishes	1975	0.4	309	0.4	402	0.1	908	0.1	908	0.1	864	0.1	864
	1976	0.8	308	0.2	543	0.1	862	0.1	862	0.2	885	0.2	885
	1977	1.9	355	0.9	357	0.1	771	0.1	771	0.2	922	0.2	922
	1978	0.7	281	0.3	392	0.1	578	0.1	578	0.1	846	0.1	846
	1979	0.6	311	0.1	369	<.1	624	<.1	624	<.1	928	<.1	928
	1980	0.4	277	0.1	405	<.1	869	<.1	869	<.1	827	<.1	827
	1981	0.4	371	0.1	403	0.1	828	0.1	828	<.1	899	<.1	899
	1982	0.8	430	0.1	533	0.1	794	0.1	794	<.1	723	<.1	723
	1983	1.1	305	0.1	528	0.1	868	0.1	868	0.1	842	0.1	842
	1984	0.6	462	0.1	468	<.1	771	<.1	771	<.1	945	<.1	945

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	1975	3.3	315	2.3	342	0.5	487	0.6	510				
finfishes	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				
	1985	1.6	324	0.3	413	0.1	549	0.1	686				

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 1975-1984. Blank indicates no measurement taken.

Species	Year	Mesh size													
		7.6-cm		10.2-cm		12.7-cm		15.2-cm							
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length		
Red drum	1975	0.8	320	0.1	408	<.1	360	<.1	310	<.1	<.1	360	<.1	310	
	1976	0.9	349	0.4	487	0.2	511	0.2	361	<.1	<.1	511	<.1	361	
	1977	0.6	335	0.1	383	0.1	524	0.1	602	<.1	<.1	524	<.1	602	
	1978	0.5	359	0.1	414	<.1	568	<.1	630	<.1	<.1	568	<.1	630	
	1979	1.3	343	0.3	409	0.2	492	0.2	588	0.1	0.1	492	0.1	588	
	1980	0.4	346	0.2	447	0.2	495	0.2	609	<.1	<.1	495	<.1	609	
	1981	0.5	343	0.1	436	<.1	524	<.1	577	<.1	<.1	524	<.1	577	
	1982	0.4	330	0.1	417	<.1	520	<.1	478	<.1	<.1	520	<.1	478	
	1983	0.4	354	0.1	490	<.1	555	<.1	631	<.1	<.1	555	<.1	631	
	1984	0.5	363	0.1	430	<.1	594	<.1	675	<.1	<.1	594	<.1	675	
	Spotted seatrout	1975	0.9	378	0.1	471	0.0	456	0.0	397	0.0	0.0	456	0.0	397
		1976	0.5	398	0.2	500	<.1	457	<.1		<.1	<.1	456	<.1	
		1977	0.6	380	<.1	457	0.0	445	0.0		0.0	0.0	445	0.0	
		1978	0.4	369	0.1	481	0.0	487	0.0		0.0	0.0	487	0.0	
1979		0.2	397	0.1	542	0.0	494	0.0		0.0	0.0	494	0.0		
1980		0.2	409	0.1	487	<.1	502	<.1		<.1	<.1	502	<.1		
1981		0.2	398	0.1	494	<.1	461	<.1		<.1	<.1	461	<.1		
1982		0.3	409	0.1	508	<.1	636	<.1		<.1	<.1	636	<.1		
1983		0.4	406	0.1	508	<.1		<.1		<.1	<.1		<.1		
1984		0.1	391	<.1	515	<.1		<.1		<.1	<.1		<.1		

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	No./h	Length	No./h	Length			
Black drum	1975	0.2	227	0.3	350	0.1	387	0.0		0.0						
	1976	0.2	228	0.6	315	0.3	386	0.1		0.1					461	
	1977	0.1	291	0.3	308	0.1	395	<.1		0.3					512	
	1978	0.1	228	0.1	311	0.1	381	0.1		<.1					500	
	1979	0.1	246	0.2	327	0.1	439	0.1		<.1					509	
	1980	0.5	255	0.6	316	<.1	363	0.1		0.1					461	
	1981	0.2	244	0.2	338	0.1	392	0.1		<.1					492	
	1982	0.6	221	0.4	343	0.1	503	0.1		<.1					647	
	1983	0.3	239	0.2	348	0.1	404	0.1		0.1					475	
	1984	0.3	223	<.1	308	<.1	594	<.1		<.1					773	
	Sheepshead	1975	<.1	210	0.1	217	0.1	298	0.1		0.1					412
		1976	<.1	166	0.1	260	0.1	319	0.1		0.1					356
		1977	0.0		<.1	225	<.1	391	<.1		<.1					260
		1978	0.0		<.1	276	0.1	356	0.1		0.1					383
1979		<.1	205	<.1	270	0.2	359	0.2		0.2					380	
1980		0.0		0.2	254	0.4	303	0.4		0.4					410	
1981		<.1	340	0.1	294	0.1	331	0.1		0.1					371	
1982		<.1	249	0.1	268	0.1	336	<.1		<.1					382	
1983		<.1	308	0.1	256	0.1	372	<.1		<.1					422	
1984		<.1	438	<.1	491	<.1	423	<.1		<.1					413	

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	No./h	Length	No./h	Length
Southern flounder	1975	<.1	205	<.1	265	0.0		0.0		0.0		0.0	
	1976	<.1	245	<.1	318	0.1	363	0.1	413	0.1	413	0.1	413
	1977	<.1	283	0.2	290	0.1	323	0.1	393	<.1	393	<.1	393
	1978	<.1	202	0.1	300	<.1	300	<.1	412	<.1	412	<.1	412
	1979	<.1	333	<.1	328	0.1	401	0.1	421	0.1	421	0.1	421
	1980	<.1	252	<.1	310	<.1	354	<.1	390	<.1	390	<.1	390
	1981	<.1	257	0.1	286	<.1	338	<.1	372	<.1	372	<.1	372
	1982	<.1	274	0.1	304	<.1	329	<.1	366	<.1	366	<.1	366
	1983	<.1	270	0.1	304	<.1	373	<.1	425	<.1	425	<.1	425
	1984	<.1	265	<.1	292	<.1	367	<.1	366	<.1	366	<.1	366
Atlantic croaker	1975	<.1	288	<.1	310	0.0		0.0		0.0		0.0	
	1976	0.3	263	0.1	352	<.1	363	0.0		0.0		0.0	
	1977	0.1	261	<.1	343	0.0		0.0		0.0		0.0	
	1978	0.1	210	<.1	336	0.0		0.0		0.0		0.0	
	1979	0.2	263	<.1	348	0.0		0.0		0.0		0.0	
	1980	0.1	252	<.1	317	0.0		0.0		0.0		0.0	
	1981	0.2	260	<.1	312	0.0		0.0		0.0		0.0	
	1982	0.2	266	<.1	352	0.0		0.0		0.0		0.0	
	1983	0.4	272	0.1	350	0.0		0.0		0.0		0.0	
	1984	0.1	253	<.1	244	0.0		0.0		<.1		<.1	232

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

Species	Year	Mesh size																
		7.6-cm		10.2-cm		12.7-cm		15.2-cm		17.8-cm		20.3-cm						
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length					
Sand seatrout	1975	0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		
	1976	0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		
	1977	0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		
	1978	0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		
	1979	0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		
	1980	0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		
	1981	0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		
	1982	<.1	212	<.1	175	<.1	282	<.1	253	<.1	282	<.1	282	<.1	211	<.1	285	
	1983	0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		
	1984	0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		
	Gafftopsail catfish	1975	0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0	
		1976	0.0		0.1	446	0.2	515	0.1	539	<.1	538	0.1	581	<.1	565	<.1	556
		1977	0.0		<.1	509	0.1	527	0.1	523	<.1	500	<.1	510	<.1	566	0.1	563
		1978	0.0		0.0		<.1		<.1		<.1		<.1		<.1		0.1	557
1979		<.1	386	<.1	533	<.1	500	<.1	510	<.1	541	<.1	530	<.1	518	0.1	554	
1980		0.0		0.1	490	0.1	510	0.1	535	<.1	541	0.1	530	0.1	518	0.1	554	
1981		0.0		<.1	448	<.1	541	<.1	566	<.1	530	0.1	518	0.1	554	0.1	554	
1982		<.1	418	0.1	491	0.1	530	0.1	518	0.1	535	0.1	554	0.1	554	0.1	554	
1983		<.1	456	0.1	475	0.1	518	0.1	554	0.1	554	0.1	554	0.1	554	0.1	554	
1984		<.1	375	0.1	460	0.1	535	0.1	554	0.1	554	0.1	554	0.1	554	0.1	554	

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	No./h	Length	No./h	Length	
Gulf menhaden	1975	<.1	255	<.1	335	0.0		<.1		<.1		<.1	250	
	1976	0.2	265	<.1	336	<.1	251	<.1		<.1		<.1	269	
	1977	0.1	238	<.1	259	0.0		0.0		0.0		0.0		
	1978	<.1	266	0.0		<.1	240	<.1		<.1		0.1	230	
	1979	<.1	245	0.0		0.0		0.0		<.1		<.1	231	
	1980	0.1	255	0.0		0.0		0.0		0.0		0.0		
	1981	0.1	251	<.1	254	<.1		<.1		<.1		<.1	228	
	1982	0.1	246	<.1	187	<.1		<.1		<.1		<.1	236	
	1983	0.1	246	<.1	222	<.1		<.1		<.1		<.1	237	
	1984	0.3	247	<.1	248	<.1		<.1		<.1		<.1	154	
	Hardhead catfish	1975	0.4	311	0.1	369	<.1		<.1		<.1		<.1	295
		1976	0.4	318	0.2	311	0.1		0.1		0.1		0.1	267
		1977	0.2	308	<.1	381	0.0		0.0		<.1		<.1	304
		1978	0.1	311	<.1	368	<.1		<.1		<.1		<.1	323
1979		0.4	328	0.2	374	0.1		0.1		0.1		<.1	297	
1980		0.3	319	0.2	317	0.1		0.1		0.1		<.1	349	
1981		0.6	337	0.3	363	<.1		<.1		<.1		<.1	321	
1982		0.4	376	0.3	356	0.1		0.1		0.1		<.1	347	
1983		0.4	324	0.1	332	<.1		<.1		<.1		<.1	343	
1984		0.6	327	0.3	356	0.1		0.1		0.1		<.1	319	

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

Species	Year	Mesh size											
		7.6-cm		10.2-cm		12.7-cm		15.2-cm		17.8-cm		20.3-cm	
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length
Pinfish	1975	0.0		0.0		0.0		0.0		0.0		0.0	
	1976	0.1	211	<.1	216	<.1		0.0		0.0		0.0	
	1977	0.0		0.0		0.0		0.0		0.0		0.0	
	1978	0.1	222	0.0		0.0		0.0		0.0		0.0	
	1979	0.0		0.0		0.0		0.0		0.0		0.0	
	1980	0.0		0.0		0.0		0.0		0.0		0.0	
	1981	<.1	178	<.1	174	<.1		0.0		0.0		0.0	
	1982	<.1	187	0.0		0.0		0.0		0.0		0.0	
	1983	<.1	191	<.1	158	<.1	152		0.0		0.0		0.0
	1984	<.1	158	<.1	128	<.1			<.1		0.0		0.0
Spot	1975	<.1	230	0.0		0.0		0.0		0.0		0.0	
	1976	0.3	236	<.1		<.1		0.0		0.0		0.0	
	1977	0.2	240	0.0		0.0		0.0		0.0		0.0	
	1978	<.1	220	0.1	285	0.1	300		<.1		0.0		0.0
	1979	<.1	266	<.1	309	<.1		0.0		0.0		0.0	
	1980	0.1	246	0.0		0.0		0.0		0.0		0.0	
	1981	<.1	253	0.0		0.0		0.0		0.0		0.0	
	1982	0.1	240	<.1	343	<.1		0.0		0.0		0.0	
	1983	0.2	246	0.0		0.0		0.0		0.0		0.0	
	1984	0.1	241	0.0		0.0		0.0		<.1	240	<.1	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	No./h	Length	No./h	Length
Striped mullet	1975	0.6	317	<.1	395	0.0		0.0		0.0		0.0	
	1976	1.6	325	0.1	426	0.0		0.0		0.0		0.0	
	1977	0.3	318	0.2	405	0.0		0.0		0.0		0.0	
	1978	0.5	322	0.0		0.0		0.0		0.0		0.0	
	1979	0.7	327	0.1	411	<.1	477	0.0		0.0		0.0	
	1980	0.5	343	0.1	429	<.1	512	0.0		0.0		0.0	
	1981	0.5	334	<.1	404	<.1	418	0.0		0.0		0.0	
	1982	0.3	329	<.1	432	0.0		0.0		0.0		0.0	
	1983	0.3	330	<.1	420	0.0		0.0		0.0		0.0	
	1984	0.4	328	0.1	443	<.1	534	0.0		0.0		0.0	
Other finfishes	1975	0.2	300	0.1	307	<.1	537	0.1	890	0.1		0.1	
	1976	0.6	282	0.2	485	0.1	784	0.1	1060	0.1		0.1	
	1977	1.6	315	0.7	388	0.1	608	0.1	745	<.1		<.1	
	1978	1.3	460	0.7	428	<.1	786	<.1	1011	<.1		<.1	
	1979	0.4	344	0.1	516	<.1	875	<.1	627	0.1		0.1	
	1980	0.9	291	0.1	355	<.1	159	<.1	828	<.1		<.1	
	1981	0.5	331	0.2	530	0.1	644	0.1	817	0.1		0.1	
	1982	0.8	429	0.1	548	0.1	630	0.1	835	0.1		0.1	
	1983	0.7	319	0.1	488	0.1	796	0.1	946	0.1		0.1	
	1984	0.1	343	0.1	470	0.1	793	0.1	857	0.1		0.1	

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

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 1975-1984. Blank indicates no measurement taken.

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

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	No./h	Length	No./h	Length	
Southern flounder	1975	0.0		<.1	280	0.1	280	0.1	280	0.0		0.0		
	1976	<.1	268	0.1	304	<.1	341	<.1	341	0.0		0.0		
	1977	<.1	250	<.1	311	<.1	355	<.1	355	0.1		0.1	397	
	1978	<.1	215	0.0		0.1	375	0.1	375	<.1		<.1	397	
	1979	<.1	281	<.1	336	<.1	380	<.1	380	<.1		<.1	353	
	1980	<.1	228	<.1	336	<.1		<.1		0.1		0.1	453	
	1981	<.1	291	<.1	321	<.1	399	<.1	399	<.1		<.1	398	
	1982	<.1	347	<.1	303	<.1	364	<.1	364	<.1		<.1	431	
	1983	<.1	316	<.1	318	<.1	325	<.1	325	<.1		<.1	401	
	1984	<.1	237	<.1	327	<.1	352	<.1	352	<.1		<.1	405	
	Atlantic croaker	1975	0.1	280	0.2	358	0.0		0.0		0.0		0.0	
		1976	0.2	291	0.1	368	0.0		0.0		0.0		0.0	
		1977	0.4	266	0.5	336	<.1	377	<.1	377	0.0		0.0	
		1978	0.4	285	0.2	357	0.0		0.0		0.0		0.0	
1979		0.1	274	0.1	337	<.1	382	<.1	382	0.0		0.0		
1980		0.1	269	0.1	347	<.1	355	<.1	355	<.1		<.1	364	
1981		0.3	285	0.2	350	0.1	379	0.1	379	<.1		<.1	338	
1982		0.1	295	0.2	343	<.1	381	<.1	381	<.1		<.1		
1983		0.2	283	0.1	342	<.1	334	<.1	334	0.0		0.0		
1984		0.1	259	<.1	301	<.1		<.1		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	No./h	Length	No./h	Length
Sand seatrout	1975	0.0		<.1	290	0.0				<.1			
	1976	0.0		0.0		0.0				0.0			325
	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	226		
	1982	0.0		0.0		0.0				<.1	297		
	1983	0.0		0.0	263	<.1				<.1	324		
	1984	<.1	361	<.1	270	<.1				<.1	206		
Gafftopsail catfish	1975	0.0		0.0		0.0				0.0			540
	1976	0.0		0.0		0.0				0.0			587
	1977	0.0		<.1	385	<.1				<.1			
	1978	0.0		0.0		0.0				0.0			
	1979	0.0		0.0		0.0				<.1	545		495
	1980	0.0		<.1	520	<.1				<.1	492		596
	1981	<.1	195	<.1	423	<.1				<.1	521		562
	1982	<.1	148	<.1	467	<.1				<.1	548		570
	1983	<.1		<.1	478	<.1				<.1	533		590
	1984	<.1	363	<.1	478	<.1				<.1	532		558

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	No./h	Length	No./h	Length	
Gulf menhaden	1975	0.0		0.1	331	<.1	282	<.1	280	<.1	282	<.1	280	
	1976	<.1		<.1	272	<.1	261	<.1	263	<.1	261	<.1	263	
	1977	<.1	242	0.0		0.0			215	<.1		<.1	215	
	1978	0.4	254	0.1	225	0.1	221	0.1	228	<.1	221	<.1	228	
	1979	<.1	251	0.0		0.0	269	<.1	245	<.1	269	<.1	245	
	1980	<.1	238	<.1	249	<.1	247	<.1	230	<.1	247	<.1	230	
	1981	<.1	251	<.1	232	<.1	234	<.1	224	<.1	234	<.1	224	
	1982	<.1	243	<.1	225	<.1	236	<.1	232	<.1	236	<.1	232	
	1983	0.1	248	<.1	255	<.1	214	<.1	232	<.1	214	<.1	232	
	1984	0.5	250	<.1	271	<.1	241	<.1	250	<.1	241	<.1	250	
	Hardhead catfish	1975	0.1	310	0.0		0.0		305	<.1		0.0	<.1	305
		1976	0.1	285	<.1	310	<.1	277	<.1	277	<.1	277	<.1	277
		1977	0.1	297	0.1	334	<.1	412	<.1	284	0.0	412	<.1	284
		1978	0.1	316	0.1	369	<.1		<.1	255	<.1		<.1	255
1979		0.1	324	0.1	372	<.1	390	<.1		<.1	390	<.1		
1980		0.2	311	0.1	373	<.1	309	<.1		0.0	309	<.1		
1981		0.2	334	0.1	366	<.1	363	<.1		<.1	363	<.1		
1982		0.2	333	0.1	378	<.1	340	<.1		<.1	340	<.1		
1983		0.2	326	0.2	372	<.1	377	<.1		<.1	377	<.1		
1984		0.3	321	0.3	363	<.1	342	<.1		<.1	342	<.1		

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	No./h	Length	No./h	Length	
Pinfish	1975	0.0		0.0		0.0		0.0		0.0		0.0		
	1976	0.0		0.0		0.0		0.0		0.0		0.0		
	1977	<.1	210	0.0		0.0		0.0		0.0		0.0		
	1978	<.1	247	0.0		0.0		0.0		0.0		0.0		
	1979	0.0		0.0		0.0		0.0		0.0		0.0		
	1980	0.0		<.1		<.1		0.0		0.0		0.0		
	1981	<.1	217	<.1	196	0.0		0.0		0.0		0.0		
	1982	<.1	216	<.1	219	0.0		0.0		0.0		0.0		
	1983	<.1	174	0.0		0.0		0.0		0.0		0.0		
	1984	<.1	196	<.1	135	0.0		0.0		0.0		0.0		
	Spot	1975	0.1	236	0.0		0.0		0.0		0.0		0.0	
		1976	<.1	216	<.1	305	0.0		0.0		0.0		0.0	
		1977	0.1	242	<.1	248	0.0		0.0		0.0		0.0	
1978		0.2	259	0.0		0.0		0.0		0.0		0.0		
1979		<.1	249	<.1	300	0.0		0.0		0.0		0.0		
1980		<.1	217	0.0		0.0		0.0		0.0		0.0		
1981		<.1	257	<.1	285	0.0		0.0		0.0		0.0		
1982		0.1	240	<.1	290	0.0		0.0		0.0		0.0		
1983		0.1	241	<.1	292	0.0		0.0		0.0		0.0		
1984		<.1	238	<.1	304	0.0		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	No./h	Length	No./h	Length
Striped mullet	1975	2.6	319	0.2	409	<.1	437	0.0		0.0			
	1976	0.3	318	0.1	417	<.1	528	0.0		0.0			
	1977	0.3	316	<.1	373	0.0		0.0		0.0			
	1978	1.2	335	<.1		<.1	346	0.0		0.0			
	1979	0.6	329	0.1	420	0.0		0.0		0.0			
	1980	0.4	329	0.2	408	<.1	523	0.0		0.0			
	1981	0.5	325	<.1	397	<.1	539	0.0		0.0			
	1982	0.7	323	0.1	403	<.1	400	<.1		<.1		411	
	1983	0.4	334	0.1	398	<.1	471	<.1		<.1			
	1984	0.5	326	0.1	421	0.0		0.0		0.0			
Other finfishes	1975	0.7	307	0.4	338	<.1	1368	0.1		0.1		826	
	1976	0.3	435	1.1	339	0.2	621	0.1		0.1		1059	
	1977	0.3	252	<.1	509	0.1	982	<.1		<.1		1065	
	1978	0.4	282	0.3	432	<.1	1160	<.1		<.1		1042	
	1979	0.2	388	0.2	392	<.1	989	<.1		<.1		1051	
	1980	0.5	264	0.1	296	<.1	885	<.1		<.1		786	
	1981	0.7	372	0.1	552	0.1	718	<.1		<.1		946	
	1982	0.6	338	0.1	543	0.1	730	0.1		0.1		763	
	1983	0.5	479	0.2	515	0.1	822	0.1		0.1		971	
	1984	0.2	461	0.2	570	0.2	921	0.2		0.1		996	

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				

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 1975-1984. Blank indicates no measurement taken.

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

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

Species	Year	Mesh size																
		7.6-cm		10.2-cm		12.7-cm		15.2-cm		7.6-cm		10.2-cm		12.7-cm		15.2-cm		
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	
Black drum	1975	<.1	232	0.1	311	0.2	387	0.1	387	0.1	445							
	1976	<.1	220	0.1	329	0.2	374	<.1	374	<.1	488							
	1977	<.1		0.1	317	0.1	398	0.1	398	0.1	479							
	1978	<.1	358	0.1	343	<.1	386	<.1	386	<.1	427							
	1979	0.1	222	0.1	308	0.1	393	0.1	393	<.1	504							
	1980	0.1	243	0.1	337	0.3	383	0.1	383	0.1	438							
	1981	0.1	241	0.2	321	0.1	391	0.1	391	0.1	473							
	1982	<.1	243	0.3	337	0.2	399	0.1	399	0.1	470							
	1983	<.1	323	0.2	337	0.3	415	0.2	415	0.2	481							
	1984	<.1	232	0.1	362	0.1	413	0.1	413	<.1	486							
	Sheepshead	1975	0.0		0.0		<.1	390	<.1	390	0.1	373						
		1976	0.0		0.0		<.1	306	<.1	306	<.1	371						
1977		0.0		<.1	310	0.2	344	0.2	344	<.1	323							
1978		<.1	274	0.0		0.1	360	0.1	360	<.1	376							
1979		0.0		<.1	284	0.1	327	0.1	327	0.1	368							
1980		<.1	288	<.1	320	0.1	364	0.1	364	0.1	390							
1981		<.1	324	<.1	299	0.1	326	0.1	326	<.1	390							
1982		0.0		<.1	328	0.1	345	0.1	345	<.1	394							
1983		<.1	406	<.1	341	<.1	357	<.1	357	<.1	380							
1984		<.1	433	<.1	351	<.1	377	<.1	377	<.1	426							

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

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

Species	Year	Mesh size												
		7.6-cm		10.2-cm		12.7-cm		15.2-cm		15.2-cm		15.2-cm		
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	
Sand seatrout	1975	<.1	360	<.1	280	0.0		0.0		<.1		<.1		225
	1976	<.1	345	0.1	296	0.1		0.1		0.1		0.1		304
	1977	0.0		0.0		0.0		0.0		0.0		0.0		
	1978	0.0		0.0		0.0		0.0		0.0		0.0		
	1979	<.1	313	<.1	275	0.0		0.0		0.0		0.0		
	1980	0.0		0.0		0.0		0.0		0.0		0.0		
	1981	<.1	318	<.1	231	<.1	250	<.1		<.1		0.0		
	1982	<.1	302	<.1	324	<.1	271	<.1		<.1		<.1		315
	1983	0.0		<.1	252	<.1	277	<.1		<.1		<.1		300
	1984	<.1	331	<.1	285	<.1	272	<.1		<.1		<.1		282
Gafftopsail catfish	1975	0.0		0.0		<.1	570	<.1		<.1		<.1		577
	1976	0.0		0.0		0.0		0.0		<.1		<.1		475
	1977	0.0		0.0		0.0		0.0		<.1		<.1		600
	1978	0.0		0.0		0.0	538	<.1		<.1		<.1		569
	1979	0.0		0.0		0.0		0.0		0.0		0.0		
	1980	0.0		0.0		0.0		<.1		<.1		<.1		592
	1981	<.1	339	<.1	485	<.1	543	<.1		<.1		<.1		545
	1982	0.0		<.1	495	<.1	516	<.1		<.1		<.1		571
1983	<.1	333	<.1	466	<.1	535	<.1		<.1		<.1		570	
1984	<.1	318	<.1	430	<.1	454	<.1		<.1		<.1		578	

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	No./h	Length	No./h	Length
Gulf menhaden	1975	0.2	269	0.2	300	<.1	275	<.1	275	<.1	<.1	275	
	1976	0.1	253	0.2	294	<.1	262	<.1	262	0.1	0.1	259	
	1977	2.1	251	0.2	280	0.2	262	0.2	262	0.1	0.1	251	
	1978	1.5	251	0.1	252	<.1	259	<.1	259	0.1	0.1	246	
	1979	0.2	251	<.1	243	<.1	250	<.1	250	<.1	<.1	273	
	1980	<.1	240	0.0		0.0		0.0		<.1	<.1	262	
	1981	0.2	254	<.1	268	<.1	250	<.1	250	<.1	<.1	257	
	1982	0.7	256	<.1	250	<.1	260	<.1	260	<.1	<.1	252	
	1983	0.2	250	<.1	301	<.1	240	<.1	240	<.1	<.1	294	
	1984	0.3	259	0.2	322	<.1	274	<.1	274	<.1	<.1	270	
	Hardhead catfish	1975	0.2	316	0.1	342	<.1	340	<.1	340	<.1	<.1	320
		1976	0.2	316	<.1	269	0.1	277	0.1	277	0.1	0.1	295
		1977	0.1	304	0.1	360	<.1	276	<.1	276	<.1	<.1	298
1978		0.1	325	0.1	319	<.1	274	<.1	274	<.1	<.1	328	
1979		0.1	334	0.1	336	0.1	321	0.1	321	<.1	<.1	325	
1980		0.1	324	0.1	372	<.1	368	<.1	368	0.0	0.0		
1981		0.2	329	0.1	375	<.1	360	<.1	360	<.1	<.1	365	
1982		0.2	330	0.1	369	<.1	369	<.1	369	<.1	<.1	358	
1983		0.3	333	0.1	362	<.1	343	<.1	343	<.1	<.1	308	
1984		0.2	333	0.1	354	<.1	356	<.1	356	<.1	<.1	356	

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	No./h	Length	No./h	Length	
Pinfish	1975	0.0		<.1	180	0.0		0.0		0.0		0.0		
	1976	<.1	193	<.1	218	0.0		0.0		0.0		0.0		
	1977	0.0		0.0		0.0		0.0		0.0		0.0		
	1978	<.1		<.1	201	0.0		0.0		0.0		0.0		
	1979	<.1	222	<.1	269	0.0		0.0		0.0		0.0		
	1980	0.1	211	<.1	279	<.1	215			0.0		0.0		
	1981	<.1	227	<.1	272	0.0		0.0		0.0		0.0		
	1982	0.1	225	<.1	280	<.1	328			<.1		<.1	291	
	1983	0.1	219	<.1	265	<.1	222			<.1		<.1	251	
	1984	<.1	224	<.1	248	<.1				0.0		0.0		
			212											
	Spot	1975	0.7	232	0.1	306	<.1		<.1		<.1		0.0	
		1976	0.3	229	0.0		0.0		0.0		0.0		0.0	
1977		0.3	223	<.1	289	0.0		0.0		0.0		0.0		
1978		0.2	245	<.1	261	0.0		0.0		0.0		0.0		
1979		<.1	235	<.1	294	0.0		0.0		0.0		0.0		
1980		0.2	235	0.1	279	0.0		0.0		0.0		0.0		
1981		0.1	242	<.1	278	0.0		0.0		0.0		0.0		
1982		0.4	245	0.1	301	0.0		0.0		0.0		0.0		
1983	0.2	252	0.1	278	0.0		0.0		0.0		<.1	274		
1984	0.4	248	<.1	299	<.1		<.1		<.1		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	No./h	Length	No./h	Length	
Striped mullet	1975	0.4	319	0.5	409	0.1	424	<.1	424	<.1	390	<.1	390	
	1976	0.3	318	<.1	418	<.1	463	0.0	463	0.0	390	0.0	390	
	1977	0.1	316	0.3	403	<.1	440	0.0	440	0.0	390	0.0	390	
	1978	0.1	335	<.1	377	<.1	327	<.1	327	<.1	347	<.1	347	
	1979	0.2	329	0.1	411	<.1	344	<.1	344	<.1	347	<.1	347	
	1980	0.2	329	<.1	426	0.0	497	<.1	497	<.1	460	<.1	460	
	1981	0.2	325	<.1	415	<.1	415	<.1	415	<.1	327	<.1	327	
	1982	0.2	323	<.1	399	<.1	370	<.1	370	<.1	375	<.1	375	
	1983	0.2	334	0.1	396	<.1	373	<.1	373	<.1	386	<.1	386	
	1984	0.2	327	0.1	426	<.1	415	<.1	415	<.1	500	<.1	500	
	Other finfishes	1975	0.1	277	0.8	347	0.1	567	<.1	567	<.1	240	<.1	240
		1976	0.3	293	0.4	338	0.2	368	0.1	368	0.1	763	0.1	763
		1977	0.5	269	0.8	334	0.1	373	<.1	373	<.1	1180	<.1	1180
		1978	<.1	284	0.1	350	<.1	244	<.1	244	<.1	453	<.1	453
1979		0.1	294	0.2	312	0.1	371	<.1	371	<.1	455	<.1	455	
1980		0.2	242	0.1	315	0.1	341	<.1	341	<.1	769	<.1	769	
1981		0.4	326	0.5	396	0.1	496	0.1	496	0.1	655	0.1	655	
1982		0.4	324	0.3	360	0.1	464	0.1	464	0.1	617	<.1	617	
1983		0.4	307	1.2	360	0.1	428	0.1	428	0.1	661	<.1	661	
1984		0.2	324	0.4	425	<.1	514	<.1	514	<.1	659	<.1	659	

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	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				

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 1975-1984. Blank indicates no measurement taken.

Species	Year	Mesh size												
		7.6-cm		10.2-cm		12.7-cm		15.2-cm						
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	
Red drum	1975	0.1	309	<.1	415	0.1	590	0.1	590	0.1	525			
	1976	<.1	328	0.1	385	0.2	559	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	472	<.1	634			
	1979	0.4	351	0.1	450	<.1	518	<.1	518	<.1	610			
	1980	0.1	316	0.3	489	0.1	493	0.1	493	<.1	493			
	1981	0.1	381	0.1	467	0.1	562	0.1	562	0.1	617			
	1982	0.1	336	<.1	476	0.1	562	0.1	562	<.1	648			
	1983	0.1	352	<.1	483	0.1	560	0.1	560	<.1	587			
	1984	0.2	401	0.3	453	0.1	544	0.1	544	<.1	591			
	Spotted seatrout	1975	0.2	423	<.1	543	<.1	620	<.1	620	0.0			
		1976	0.1	402	<.1	488	<.1	668	<.1	668	0.0			
		1977	0.5	374	0.2	486	<.1	612	<.1	612	<.1	588		
		1978	0.4	403	0.1	508	0.0		0.0		<.1	670		
1979		0.1	408	<.1	522	<.1	549	<.1	549	0.0				
1980		0.1	407	<.1	465	<.1	532	<.1	532	0.0				
1981		0.1	403	0.1	511	<.1	577	<.1	577	<.1	518			
1982		0.3	396	0.1	529	<.1	510	<.1	510	<.1	478			
1983		0.2	409	0.1	502	<.1	630	<.1	630	<.1	687			
1984		0.1	382	<.1	512	<.1	620	<.1	620	<.1	505			

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

Species	Year	Mesh size														
		7.6-cm		10.2-cm		12.7-cm		15.2-cm		15.2-cm		15.2-cm				
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length			
Black drum	1975	0.1	244	0.1	338	0.5	443	0.5	456	0.1	338	0.5	443	0.5	456	
	1976	<.1	230	0.1	476	0.4	471	0.4	535	0.1	476	0.4	471	0.6	535	
	1977	<.1	210	0.2	327	0.4	423	0.4	469	0.1	327	0.4	423	0.3	469	
	1978	<.1	414	0.1	430	0.6	408	0.2	460	0.1	414	0.6	408	0.2	460	
	1979	<.1	232	0.2	394	0.1	363	0.1	474	0.1	232	0.1	363	0.1	474	
	1980	0.1	254	0.1	347	0.3	391	0.1	473	0.1	254	0.3	391	0.1	473	
	1981	0.1	225	<.1	362	0.2	414	0.2	466	0.1	225	0.2	414	0.2	466	
	1982	<.1	263	0.2	347	0.5	385	0.1	489	0.1	263	0.5	385	0.1	489	
	1983	<.1	254	0.1	368	0.1	412	0.1	471	0.1	254	0.1	412	0.2	471	
	1984	0.1	298	<.1	444	0.1	435	0.1	495	0.1	298	0.1	435	0.1	495	
	Sheepshead	1975	0.0		<.1	412	0.1	378	0.1	420	0.0		0.1	378	0.2	420
		1976	0.0		0.0		<.1	364	<.1	379	0.0		<.1	364	0.2	379
1977		0.0		<.1		0.1	361	0.1	448	0.0		0.1	361	0.1	448	
1978		0.0		0.0		0.1	342	0.1	399	0.0		0.1	342	0.1	399	
1979		0.0		<.1	358	<.1	368	<.1	416	0.0		<.1	368	0.1	416	
1980		0.0		<.1	346	0.1	361	0.1	422	0.0		0.1	361	0.1	422	
1981		<.1	390	<.1	320	<.1	379	<.1	392	<.1	390	<.1	379	0.1	392	
1982		0.0		<.1	356	0.1	358	0.1	397	0.0		0.1	358	0.1	397	
1983		0.0		<.1	374	0.1	380	0.1	406	0.0		0.1	380	0.1	406	
1984		<.1	404	<.1	432	<.1	398	<.1	428	<.1	404	<.1	398	0.1	428	

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

Species	Year	Mesh size											
		7.6-cm		10.2-cm		12.7-cm		15.2-cm		15.2-cm		15.2-cm	
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length
Southern flounder	1975	<.1	223	0.0		<.1	510	<.1		0.1	489		
	1976	<.1	231	<.1	295	<.1	330	<.1		<.1	448		
	1977	0.0		0.0		<.1	491	<.1		0.0			
	1978	0.0		<.1	325	<.1	330	<.1		<.1	417		
	1979	<.1	209	0.0		<.1	386	<.1		<.1	458		
	1980	<.1	190	0.0		<.1	344	<.1		<.1	441		
	1981	<.1	249	<.1	346	<.1	416	<.1		<.1	451		
	1982	<.1	270	<.1	305	<.1	378	<.1		<.1	429		
	1983	<.1	315	<.1	296	<.1	355	<.1		<.1	444		
	1984	<.1	225	<.1	313	<.1	358	<.1		<.1	407		
Atlantic croaker	1975	0.1	272	<.1	342	<.1	420	<.1		0.0			
	1976	<.1	265	0.3	351	0.1	364	0.1		0.0			
	1977	0.1	272	0.7	351	0.1	412	0.1		0.0			
	1978	0.3	265	0.1	336	0.0		0.0		0.0			
	1979	<.1	271	<.1	361	0.0		0.0		0.0			
	1980	0.1	266	<.1	350	<.1	270	<.1		0.0			
	1981	0.1	260	0.1	346	<.1	382	<.1		<.1	454		
	1982	0.1	299	0.3	358	<.1	384	<.1		<.1	395		
	1983	<.1	270	<.1	348	<.1	480	<.1		0.0			
	1984	0.1	262	<.1	278	<.1		<.1		0.0			

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

Species	Year	Mesh size											
		7.6-cm		10.2-cm		12.7-cm		15.2-cm		17.8-cm		20.3-cm	
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length
Sand seatrout	1975	0.0		0.0		0.0		0.0		0.0		0.0	
	1976	0.0		0.0		0.0		0.0		0.0		0.0	
	1977	0.0		0.0		<.1	377	<.1		<.1		<.1	
	1978	0.0		0.0		0.0		0.0		0.0		0.0	
	1979	<.1	268	0.0		0.0		0.0		0.0		0.0	
	1980	0.0		0.0		0.0		0.0		0.0		0.0	
	1981	<.1	320	0.0		<.1	350	<.1		<.1		<.1	
	1982	0.0		0.0		<.1	265	<.1		<.1		<.1	
	1983	0.0		0.0		0.0		0.0		0.0		0.0	
	1984	0.0		0.0		0.0		0.0		0.0		0.0	
Gafftopsail catfish	1975	0.0		0.0		0.0		0.0		0.0		0.0	
	1976	0.0		0.0		0.0		0.0		0.0		0.0	
	1977	0.0		0.0		0.0		<.1	516	<.1		<.1	539
	1978	0.0		0.0		0.0		0.0		0.0		0.0	
	1979	0.0		0.0		0.0		0.0		0.0		0.0	
	1980	0.0		0.0		0.0		0.0		0.0		0.0	
	1981	0.0		0.0		0.0		0.0		0.0		0.0	
	1982	0.0		0.0		0.0		<.1	541	<.1		<.1	
	1983	0.0		0.0		0.0		0.0		0.0		0.0	
	1984	0.0		0.0		0.0		0.0		0.0		0.0	

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

Species	Year	Mesh size											
		7.6-cm		10.2-cm		12.7-cm		15.2-cm		15.2-cm		15.2-cm	
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length
Gulf menhaden	1975	0.2	263	0.1	317	0.0	317	0.0	317	0.0	317	0.0	317
	1976	<.1		0.1	317	<.1	317	<.1	317	<.1	317	0.0	325
	1977	1.1	244	0.7	293	0.1	293	0.1	293	0.1	293	<.1	290
	1978	0.2	249	<.1	325	0.0	325	0.0	325	0.0	325	0.0	325
	1979	0.1	256	<.1	288	0.0	288	0.0	288	0.0	288	<.1	240
	1980	0.5	250	0.1	247	0.1	247	0.1	247	0.1	247	<.1	240
	1981	0.6	259	0.1	278	0.1	278	<.1	278	<.1	278	<.1	252
	1982	<.1	264	<.1	280	<.1	280	<.1	280	<.1	280	<.1	237
	1983	<.1	272	<.1	310	<.1	310	<.1	310	<.1	310	0.0	280
	1984	0.1	268	<.1	294	<.1	294	<.1	294	<.1	294	<.1	265
Hardhead catfish	1975	0.4	306	0.1	326	<.1	326	<.1	326	<.1	326	<.1	245
	1976	0.4	304	0.1	268	<.1	268	<.1	268	<.1	268	<.1	267
	1977	0.3	305	<.1	325	<.1	325	<.1	325	<.1	325	<.1	380
	1978	0.4	292	<.1	240	<.1	240	<.1	240	<.1	240	0.0	300
	1979	0.2	302	0.1	264	0.1	264	0.1	264	0.1	264	0.0	280
	1980	0.2	309	0.1	283	0.1	283	0.1	283	0.1	283	<.1	311
	1981	0.2	310	<.1	330	<.1	330	<.1	330	<.1	330	<.1	293
	1982	0.4	310	0.1	295	0.1	295	<.1	295	<.1	295	<.1	284
	1983	0.8	321	0.2	326	0.2	326	0.1	326	0.1	326	<.1	285
	1984	0.6	311	0.2	310	0.2	310	0.1	310	0.1	310	<.1	285

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

Species	Year	Mesh size													
		7.6-cm		10.2-cm		12.7-cm		15.2-cm		12.7-cm		15.2-cm			
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length		
Pinfish	1975	<.1	178	0.0		0.0		0.0		0.0		0.0		0.0	
	1976	0.0		<.1	240	0.0		0.0		0.0		0.0		0.0	
	1977	<.1	191	0.1	294	0.0		0.0		0.0		0.0		0.0	
	1978	<.1	190	<.1	189	0.0		0.0		0.0		0.0		0.0	
	1979	<.1	155	0.0		0.0		0.0		0.0		0.0		0.0	
	1980	<.1	161	0.0		0.0		<.1	210	0.0		0.0		0.0	
	1981	<.1	217	<.1	339	0.0		0.0		0.0		0.0		0.0	
	1982	<.1	207	<.1	284	<.1	185	0.0		<.1		0.0		0.0	
	1983	0.1	178	<.1	326	0.0		0.0		0.0		0.0		0.0	
	1984	<.1	179	<.1	284	0.0		0.0		0.0		0.0		0.0	
	Spot	1975	0.2	238	0.2	302	0.0		0.0		0.0		0.0		0.0
		1976	<.1	226	<.1	288	0.0		0.0		0.0		0.0		0.0
		1977	0.2	234	0.1	289	0.0		0.0		0.0		0.0		0.0
		1978	0.3	242	0.1	290	0.0		0.0		0.0		0.0		0.0
1979		0.1	236	<.1	315	<.1	302	0.0		<.1		0.0		0.0	
1980		0.2	240	0.0		0.0		0.0		0.0		0.0		0.0	
1981		0.2	243	<.1	279	0.0		0.0		0.0		0.0		0.0	
1982		0.2	239	<.1	263	0.0		0.0		0.0		0.0		0.0	
1983		0.1	233	<.1	298	0.0		0.0		0.0		0.0		0.0	
1984		<.1	230	0.0		<.1		<.1		<.1		<.1		<.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	No./h	Length	No./h	Length	
Striped mullet	1975	0.2	326	0.1	414	0.0		0.0		0.0		0.0		
	1976	0.1	336	0.6	414	<.1	500	<.1	0.0	0.0	0.0	0.0		
	1977	0.1	333	0.2	409	<.1	481	<.1	0.0	<.1	<.1	382		
	1978	<.1	348	<.1	390	0.0		0.0	0.0	0.0	0.0			
	1979	0.1	348	0.5	422	<.1	430	<.1	0.0	0.0	0.0			
	1980	0.2	333	0.1	423	<.1	354	<.1	0.0	0.0	0.0			
	1981	0.2	343	0.1	427	<.1	348	<.1	0.0	<.1	<.1	384		
	1982	0.1	338	<.1	377	<.1	345	<.1	0.0	0.0	0.0			
	1983	0.1	345	0.2	415	0.0		0.0	0.0	<.1	<.1	383		
	1984	0.3	347	0.2	408	0.0		0.0	0.0	<.1	<.1	458		
	Other finfishes	1975	0.1	398	0.3	351	0.1	389	0.1	0.1	0.1	0.1	625	
		1976	<.1	1000	0.1	270	<.1	376	<.1	<.1	<.1	<.1	380	
		1977	0.1	271	0.3	321	<.1	396	<.1	<.1	<.1	<.1	187	
		1978	0.1	497	0.5	327	<.1	327	<.1	<.1	0.0	0.0		
1979		<.1	332	0.1	349	0.1	390	0.1	0.1	<.1	<.1	596		
1980		0.1	436	0.1	371	0.1	404	0.1	0.1	<.1	<.1	584		
1981		<.1	316	0.1	372	<.1	425	<.1	<.1	<.1	<.1	479		
1982		0.1	328	0.1	403	<.1	510	<.1	<.1	<.1	<.1	462		
1983		0.1	400	<.1	339	<.1	424	<.1	<.1	<.1	<.1	472		
1984		<.1	316	<.1	469	<.1	525	<.1	<.1	<.1	<.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				
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				

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 1975-1984. Blank indicates no measurement taken.

Species	Year	Mesh size												
		7.6-cm		10.2-cm		12.7-cm		15.2-cm						
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	
Red drum	1975	0.2	364	0.3	433	0.2	532	0.1	666					
	1976	0.3	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					
	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					

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 1975-1984. Blank indicates no measurement taken.

Species	Year	Mesh size												
		7.6-cm		10.2-cm		12.7-cm		15.2-cm						
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	
Red drum	1975	0.2	364	0.3	433	0.2	532	0.1	666					
	1976	0.3	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					
	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					

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

Species	Year	Mesh size												
		7.6-cm		10.2-cm		12.7-cm		15.2-cm		15.2-cm		15.2-cm		
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	
Black drum	1975	<.1	218	0.2	371	0.2	394	0.2	394	0.6	508	0.6	508	
	1976	0.1	328	0.2	346	1.0	399	1.0	399	1.0	474	1.0	474	
	1977	0.2	243	0.3	361	1.0	406	1.0	406	1.3	481	1.3	481	
	1978	<.1	214	0.1	333	0.2	382	0.2	382	0.1	461	0.1	461	
	1979	<.1	243	0.1	378	0.2	417	0.2	417	0.2	487	0.2	487	
	1980	<.1	236	0.4	346	0.4	405	0.4	405	0.2	496	0.2	496	
	1981	0.1	248	0.1	365	0.3	401	0.3	401	0.2	462	0.2	462	
	1982	0.1	267	0.8	337	0.7	403	0.7	403	0.3	497	0.3	497	
	1983	0.1	288	0.2	365	0.3	432	0.3	432	0.3	479	0.3	479	
	1984	<.1	260	0.1	353	0.1	464	0.1	464	0.2	506	0.2	506	
	Sheepshead	1975	0.0		0.0		<.1	330	<.1	330	0.1	365	0.1	365
		1976	0.0		<.1	302	0.1	325	0.1	325	0.1	364	0.1	364
		1977	0.0		<.1	256	0.2	333	0.2	333	0.2	380	0.2	380
1978		<.1	162	<.1	276	<.1	306	<.1	306	<.1	349	<.1	349	
1979		0.0		<.1	280	<.1	361	<.1	361	0.1	373	0.1	373	
1980		<.1	248	0.1	262	0.2	327	0.2	327	0.1	368	0.1	368	
1981		<.1	205	0.1	297	0.1	327	0.1	327	0.1	361	0.1	361	
1982		<.1	266	0.1	289	0.1	333	0.1	333	0.1	357	0.1	357	
1983		<.1	225	<.1	313	0.2	333	0.2	333	0.1	368	0.1	368	
1984		<.1	355	<.1	305	<.1	335	<.1	335	<.1	381	<.1	381	

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	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	<.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					
	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						

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	No./h	Length	No./h	Length
Gulf menhaden	1975	0.0		0.1	312	0.0		0.0		0.0		0.0	
	1976	<.1	258	<.1	310	<.1	255	<.1		0.0		0.0	
	1977	0.1	217	<.1	170	0.0		0.0		0.0		0.0	
	1978	0.0		0.0		0.0		0.0		0.0		0.0	
	1979	<.1	266	<.1	321	0.0		0.0		0.0		0.0	
	1980	0.0		0.1	325	0.0		0.0		0.0		0.0	
	1981	<.1	253	<.1	327	<.1	268	<.1		<.1		<.1	255
	1982	<.1	257	<.1	221	0.0		0.0		0.0		0.0	
	1983	<.1	248	<.1	287	0.0		0.0		0.0		<.1	280
	1984	0.1	245	0.1	322	<.1	271	<.1		<.1		<.1	293
Hardhead catfish	1975	0.2	304	0.0		0.1		0.1		0.1		0.0	
	1976	0.3	320	0.2	242	0.1		0.1		0.1		<.1	307
	1977	0.3	308	0.2	316	0.1		0.1		0.1		0.0	
	1978	0.4	325	0.1	347	0.1		0.1		0.1		<.1	375
	1979	0.3	332	0.1	351	<.1		<.1		<.1		<.1	340
	1980	0.2	331	0.2	343	0.1		0.1		0.1		<.1	307
	1981	0.3	329	0.2	369	0.1		0.1		0.1		0.1	329
	1982	0.3	317	0.3	349	0.1		0.1		0.1		0.1	328
	1983	0.5	337	0.3	380	0.1		0.1		0.1		<.1	344
	1984	0.4	321	0.3	345	0.1		0.1		0.1		<.1	314

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	No./h	Length	No./h	Length	
Pinfish	1975	0.0		0.0		0.0		0.0		0.0		0.0		
	1976	<.1	220	0.0		0.0		0.0		0.0		0.0		
	1977	0.1	209	0.0		0.0		0.0		0.0		0.0		
	1978	0.0		<.1	230	0.0		0.0		0.0		0.0		
	1979	<.1	218	0.0		0.0		0.0		0.0		0.0		
	1980	0.0		0.0		0.0		0.0		0.0		0.0		
	1981	<.1	197	<.1	268	<.1	285	0.0		0.0		0.0		
	1982	<.1	239	0.0		0.0		0.0		0.0		0.0		
	1983	<.1	212	<.1	155	0.0		0.0		0.0		0.0		
	1984	<.1	172	0.0		0.0		0.0		0.0		0.0		
	Spot	1975	0.2	236	0.0		0.0		0.0		0.0		0.0	
		1976	0.3	236	0.2	291	0.0		0.0		0.0		0.0	
		1977	0.4	248	<.1	278	0.0		0.0		0.0		0.0	
1978		0.1	223	0.0		0.0		0.0		0.0		0.0		
1979		0.1	241	<.1	316	0.0		0.0		0.0		0.0		
1980		<.1	250	0.0		0.0		0.0		0.0		0.0		
1981		0.1	234	<.1	271	0.0		0.0		0.0		0.0		
1982		0.2	242	<.1	294	0.0		0.0		0.0		0.0		
1983		0.1	239	<.1	273	<.1	259	0.0		0.0		0.0		
1984		<.1	231	0.0		0.0		0.0		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	No./h	Length	No./h	Length
Striped mullet	1975	0.4	321	0.1	406	0.0		0.0		0.0		0.0	
	1976	0.7	329	1.3	414	0.2	496	0.2		0.0		0.0	
	1977	0.5	327	0.2	407	0.0		0.0		0.0		0.0	
	1978	0.1	318	0.2	417	0.0		0.0		0.0		<.1	342
	1979	0.2	338	0.1	413	<.1	401	<.1		<.1		0.0	
	1980	0.3	330	0.1	402	0.0		0.0		<.1		<.1	330
	1981	0.6	341	0.3	408	<.1	358	<.1		<.1		<.1	382
	1982	0.2	346	0.2	408	<.1	380	<.1		<.1		<.1	374
	1983	0.3	341	0.3	409	<.1	448	<.1		<.1		<.1	350
	1984	0.3	333	0.1	419	<.1	371	<.1		<.1		<.1	300
Other finfishes	1975	<.1	423	0.8	348	0.1	475	0.1		0.1		<.1	452
	1976	0.3	356	0.7	370	0.2	445	0.2		0.2		0.1	425
	1977	0.7	351	0.3	365	0.1	548	0.1		0.1		0.1	516
	1978	0.2	354	0.4	335	0.1	602	0.1		0.1		0.1	711
	1979	0.2	395	0.2	364	0.1	499	0.1		0.1		<.1	731
	1980	0.1	350	<.1	436	0.1	384	0.1		0.1		<.1	463
	1981	0.2	354	0.2	353	0.1	474	0.1		0.1		0.1	605
	1982	0.2	442	0.3	379	0.1	472	0.1		0.1		0.1	490
	1983	0.2	426	0.2	366	0.1	451	0.1		0.1		0.1	447
	1984	0.2	428	0.2	420	0.1	784	0.1		0.1		0.1	730

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				

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.

Species	Year	Mesh size															
		7.6-cm		10.2-cm		12.7-cm		15.2-cm									
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length				
Red drum	1976	<.1	310	0.0		0.0		0.0		0.0		0.0		0.0		0.0	
	1977	0.1	401	0.1	451	0.1	556		0.0		0.0		0.0		0.0		
	1978	<.1	246	0.1	468	0.0			0.0		0.0		0.0		0.0		
	1979	0.1	345	0.1	479	0.1	548		0.1		0.1		<.1		<.1	693	
	1980	0.1	445	0.7	446	<.1	518		<.1		0.0		0.0		0.0		
	1981	0.2	386	0.1	451	<.1	518		<.1		<.1		<.1		<.1	611	
	1982	0.3	434	0.4	459	0.1	537		0.1		0.1		0.1		0.1	605	
	1983	0.3	423	0.4	461	0.1	547		0.1		0.1		<.1		<.1	624	
	1984	0.3	428	0.4	462	0.2	559		0.2		0.1		0.1		0.1	606	
	1985	0.1	440	0.3	486	0.1	595		0.1		0.1		0.1		0.1	674	
	Spotted seatrout	1976	0.0		0.1	530	0.0		0.0		0.0		0.0		0.0		0.0
		1977	<.1	352	0.1	515	<.1	576		<.1		0.0		<.1		<.1	727
		1978	<.1	431	0.1	451	0.1	616		0.1		0.1		<.1		<.1	674
		1979	0.1	379	0.1	475	0.1	653		0.1		0.1		<.1		<.1	639
		1980	0.1	420	0.1	408	0.0		0.0		0.0		0.0		0.0		0.0
1981		0.2	435	0.1	537	<.1	596		<.1		0.1		<.1		<.1	542	
1982		0.2	415	0.2	512	0.1	605		0.1		0.1		<.1		<.1	674	
1983		0.2	433	0.1	532	0.1	621		0.1		0.1		<.1		<.1	560	
1984		0.1	418	0.1	534	0.1	587		0.1		0.1		<.1		<.1	626	
1985		0.2	413	0.2	515	0.1	636		0.1		0.1		<.1		<.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	No./h	Length	No./h	Length	
Black drum	1976	0.1	250	0.0		<.1	370	0.0		0.0		0.0		
	1977	0.1	223	<.1	571	0.2	397	0.1		0.1		0.1	522	
	1978	0.1	371	<.1	473	0.1	461	0.1		0.1		0.1	461	
	1979	0.2	239	<.1	265	<.1	385	0.1		0.1		0.1	458	
	1980	0.2	225	<.1	430	0.1	370	<.1		<.1		<.1	415	
	1981	0.2	244	0.1	329	0.4	512	<.1		<.1		<.1	445	
	1982	0.2	240	0.1	393	0.1	403	0.1		0.1		0.1	479	
	1983	0.2	239	0.3	324	0.2	379	0.2		0.1		0.1	459	
	1984	0.1	256	0.2	344	0.3	379	0.3		0.1		0.1	451	
	1985	0.1	231	0.2	299	0.1	405	0.1		0.1		0.1	492	
	Sheepshead	1976	0.0		0.0		0.0		0.0		0.0		0.0	
		1977	<.1	197	0.0		0.0		0.0		<.1		<.1	480
		1978	0.0		0.0		0.0		0.0		0.0		0.0	
		1979	0.0		<.1	250	0.0		0.0		<.1		<.1	360
		1980	0.0		0.0		<.1	324	<.1		<.1		<.1	410
1981		0.0		<.1	377	<.1	380	<.1		<.1		<.1	422	
1982		0.0		<.1	292	<.1	314	<.1		<.1		<.1	355	
1983		0.0		<.1	292	<.1	302	<.1		<.1		<.1	364	
1984		<.1	457	<.1	327	<.1	328	<.1		<.1		<.1	385	
1985		0.0		<.1	341	<.1	335	<.1		<.1		<.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	No./h	Length	No./h	Length
Sand seatrout	1976	<.1	195	0.0		0.0		0.0		0.0		0.0	
	1977	0.0		0.0		0.0		0.0		0.0		0.0	
	1978	0.0		0.0		0.0		0.0		0.0		0.0	
	1979	<.1	225	<.1	224	<.1	206	<.1	206	<.1	206	<.1	206
	1980	0.0		0.0		0.0		0.0		0.0		0.0	
	1981	0.0		0.0		0.0		0.0		0.0		0.0	
	1982	0.0		0.0		0.0		0.0		0.0		0.0	
	1983	<.1	325	<.1		<.1	278	<.1	278	<.1	278	<.1	278
	1984	0.0		0.0		<.1	200	<.1	200	<.1	200	<.1	200
	1985	<.1		0.0		0.0		0.0		0.0		<.1	356
Gafftopsail catfish	1976	0.0		1.9	476	3.2	510	3.2	510	3.2	510	1.3	528
	1977	0.0		<.1	436	0.1	493	0.1	493	0.1	493	<.1	524
	1978	0.0		0.0		0.1	514	0.1	514	0.1	514	0.2	557
	1979	0.0		0.0		0.0	486	0.1	486	0.1	486	0.2	549
	1980	<.1	370	<.1	478	0.1	466	0.1	466	0.1	466	0.1	550
	1981	<.1	331	<.1	388	0.1	499	0.1	499	0.1	499	0.1	577
	1982	<.1	396	0.1	429	0.1	516	0.1	516	0.1	516	0.2	552
	1983	<.1	376	<.1	475	0.1	536	0.1	536	0.1	536	0.1	568
	1984	<.1	337	<.1	462	0.1	518	0.1	518	0.1	518	0.1	566
	1985	<.1	410	<.1	460	0.1	533	0.1	533	0.1	533	0.1	566

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	No./h	Length	No./h	Length			
Gulf menhaden	1976	0.1	250	<.1	260	0.0	244	<.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	<.1	313						
		1977	1.6	319	0.5	368	<.1	406	<.1	333						
		1978	1.6	328	0.4	374	<.1	313	<.1	333						
		1979	2.5	318	0.8	359	0.1	368	0.1	371						
		1980	1.8	325	0.8	355	<.1	332	<.1	306						
1981		1.3	320	0.2	392	<.1	306	<.1	338							
1982		2.7	327	0.7	352	0.2	332	0.2	312							
1983		2.9	323	0.7	358	0.1	325	0.1	330							
1984		1.5	331	0.6	371	0.1	324	0.1	341							
1985		2.3	321	0.9	364	0.2	330	0.2	327							

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

Species	Year	Mesh size												
		7.6-cm		10.2-cm		12.7-cm		15.2-cm		17.8-cm		20.3-cm		
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	
Pinfish	1976	0.0		0.0		0.0		0.0		0.0		0.0		
	1977	0.0		0.0		0.0		0.0		0.0		0.0		
	1978	0.0		0.0		0.0		0.0		0.0		0.0		
	1979	0.0		0.0		0.0		0.0		0.0		0.0		
	1980	0.0		0.0		0.0		0.0		0.0		0.0		
	1981	0.0		0.0		0.0		0.0		0.0		0.0		
	1982	0.0		0.0		0.0		0.0		0.0		0.0		
	1983	<.1	210	0.0		0.0		0.0		0.0		0.0		
	1984	0.0		0.0		0.0		0.0		0.0		0.0		
	1985	0.0		0.0		0.0		0.0		0.0		0.0		
	Spot	1976	0.4	218	0.0		0.0		0.0		0.0		0.0	
		1977	0.1	227	0.0		0.0		0.0		0.0		0.0	
		1978	<.1	225	0.0		0.0		0.0		0.0		0.0	
1979		0.0		0.0		0.0		0.0		0.0		0.0		
1980		0.0		0.0		0.0		0.0		0.0		0.0		
1981		<.1	250	0.0		0.0		0.0		0.0		0.0		
1982		<.1	244	0.0		0.0		0.0		0.0		0.0		
1983		0.1	240	0.0		0.0		0.0		0.0		0.0		
1984		<.1	247	0.0		0.0		0.0		0.0		0.0		
1985		<.1	233	0.0		0.0		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	No./h	Length	No./h	Length
Striped mullet	1976	0.1	385	0.0		0.0		0.0		0.0		0.0	
	1977	0.1	316	<.1	361	0.0		0.0		0.0		0.0	
	1978	0.0		0.0		0.0		0.0		0.0		0.0	
	1979	0.1	326	<.1	306	0.0		0.0		0.0		0.0	
	1980	0.1	343	0.0		0.0		0.0		0.0		0.0	
	1981	<.1	318	0.0		0.0		0.0		0.0		0.0	
	1982	0.2	338	<.1	397	0.0		0.0		0.0		0.0	
	1983	0.2	340	<.1	411	<.1	570		<.1		<.1		<.1
	1984	0.1	337	<.1	420	0.0		0.0		0.0		0.0	
	1985	0.2	325	<.1	428	<.1	430		<.1		<.1		<.1
Other finfishes	1976	<.1	340	0.1	460	0.1	735	0.1	735	<.1	1140	<.1	1140
	1977	2.0	293	0.5	383	<.1	548	<.1	548	<.1	1005	<.1	1005
	1978	1.2	274	0.3	372	<.1	402	<.1	402	0.1	1048	0.1	1048
	1979	0.6	330	0.4	345	<.1	958	<.1	958	0.1	957	0.1	957
	1980	0.2	559	0.1	490	<.1	369	<.1	369	<.1	560	<.1	560
	1981	0.5	309	0.2	379	<.1	725	<.1	725	<.1	489	<.1	489
	1982	0.4	366	0.6	394	0.1	528	0.1	528	<.1	756	<.1	756
	1983	0.3	386	0.6	395	0.1	531	0.1	531	<.1	714	<.1	714
	1984	0.1	352	0.4	388	0.1	502	0.1	502	<.1	673	<.1	673
	1985	0.3	352	0.5	414	0.1	718	0.1	718	<.1	778	<.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. (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		10.2-cm		12.7-cm		15.2-cm					
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length
Sand seatrout	1976	ND		ND		ND		ND		ND		ND	
	1977	0.0		0.0		0.0		0.0		0.0		0.0	
	1978	0.0		0.0		0.0		0.0		0.0		0.0	
	1979	0.0		0.0		0.0		0.0		0.0		0.0	
	1980	0.0		0.0		0.0		0.0		0.0		0.0	
	1981	0.0		0.0		0.0		0.0		0.0		0.0	
	1982	0.0		0.0		0.0		0.0		0.0		0.0	
	1983	0.0		0.0		0.0		0.0		0.0		0.0	
	1984	0.0		0.0		0.0		0.0		0.0		0.0	
	1985	0.0		0.0		0.0		0.0		0.0		0.0	
Gafftopsail catfish	1976	ND		ND		ND		ND		ND		ND	
	1977	0.0	444	0.1		0.3	506	0.3	506	0.1	568	0.1	568
	1978	0.0		0.0		<.1		<.1		0.1	553	0.1	553
	1979	0.0	409	<.1		0.3	531	0.3	531	0.1	580	0.1	580
	1980	0.0		<.1		0.1	552	0.1	552	0.1	587	0.1	587
	1981	<.1		0.1	357	0.1	486	0.1	486	0.1	576	0.1	576
	1982	0.0	417	0.1		0.1	508	0.1	508	<.1	603	<.1	603
	1983	<.1		0.0	376	0.0		0.0		0.0	574	<.1	574
	1984	0.0		0.0		0.0		0.0		0.0	579	<.1	579
	1985	0.0	438	<.1		<.1	483	<.1	483	<.1	494	<.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	No./h	Length	No./h	Length
Gulf menhaden	1976	ND		ND		ND		ND		ND		ND	
	1977	0.2	243	0.4	324	0.0		0.0		0.0		0.0	
	1978	0.0		0.0		<.1	194	<.1		0.0		0.0	
	1979	0.0		0.0		0.0		0.0		0.0		0.0	
	1980	0.0		0.0		0.0		0.0		0.0		0.0	
	1981	0.0		0.0		0.0		0.0		0.0		0.0	
	1982	0.0		0.0		0.0		0.0		0.0		0.0	
	1983	0.0		0.0		0.0		0.0		0.0		0.0	
	1984	0.0		0.0		0.0		0.0		0.0		0.0	
	1985	<.1	281	0.0		0.0		0.0		0.0		0.0	
Hardhead catfish	1976	ND		ND		ND		ND		ND		ND	
	1977	0.1	298	0.1	317	0.0		0.0		0.0		<.1	333
	1978	0.2	307	0.1	359	0.0		0.0		0.0		0.0	
	1979	0.1	326	0.1	389	<.1	240	<.1		<.1		0.0	
	1980	0.7	314	0.2	337	<.1		<.1		0.1		0.1	304
	1981	0.7	328	0.4	364	<.1	349	<.1		<.1		<.1	315
	1982	1.0	334	0.3	355	0.1	347	0.1		<.1		<.1	349
	1983	0.8	334	0.2	376	<.1	290	<.1		<.1		<.1	295
	1984	0.4	323	0.1	369	0.1	325	<.1		<.1		0.0	
	1985	0.6	315	0.5	367	0.1	346	0.1		0.1		<.1	351

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	No./h	Length	No./h	Length	
Pinfish	1976	ND		ND		ND		ND		ND		ND		
	1977	0.0		0.0		0.0		0.0		0.0		0.0		
	1978	0.0		0.0		0.0		0.0		0.0		0.0		
	1979	0.0		0.0		0.0		0.0		0.0		0.0		
	1980	0.0		0.0		0.0		0.0		0.0		0.0		
	1981	<.1	230	0.0		0.0		0.0		0.0		0.0		
	1982	<.1	205	0.0		0.0		0.0		0.0		0.0		
	1983	0.0		0.0		0.0		0.0		0.0		0.0		
	1984	0.0		0.0		0.0		0.0		0.0		0.0		
	1985	0.0		0.0		0.0		0.0		0.0		0.0		
	Spot	1976	ND		ND		ND		ND		ND		ND	
		1977	<.1	233	0.0		0.0		0.0		0.0		0.0	
		1978	<.1	256	0.0		0.0		0.0		0.0		0.0	
1979		<.1	259	0.0		0.0		0.0		0.0		0.0		
1980		<.1	233	0.0		0.0		0.0		0.0		0.0		
1981		<.1	230	0.0		0.0		0.0		0.0		0.0		
1982		0.0		0.0		0.0		0.0		0.0		0.0		
1983		<.1	233	0.0		0.0		0.0		0.0		0.0		
1984		<.1	220	0.0		0.0		0.0		0.0		0.0		
1985		<.1		0.0		<.1	357	0.0		0.0		0.0		

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	No./h	Length	No./h	Length
Striped mullet	1976	ND		ND		ND		ND		ND		ND	
	1977	0.0		0.0		0.0		0.0		0.0		0.0	
	1978	0.1	327	0.0		0.0		0.0		0.0		0.0	
	1979	0.1	326	<.1	407	0.0		0.0		0.0		0.0	
	1980	<.1	338	0.0		0.0		0.0		0.0		0.0	
	1981	0.1	345	0.0		0.0		0.0		0.0		0.0	
	1982	0.2	295	0.0		0.0		0.0		0.0		0.0	
	1983	0.1	342	<.1	395	0.0		0.0		0.0		0.0	
	1984	0.2	340	0.0		0.0		0.0		0.0		0.0	
	1985	0.2	325	<.1	386	0.0		0.0		0.0		0.0	
Other finfishes	1976	ND		ND		ND		ND		ND		ND	
	1977	0.1	298	0.1	357	<.1	378	<.1	378	0.1	854	0.1	854
	1978	0.2	278	<.1	343	<.1	164	<.1	164	0.0		0.0	
	1979	0.1	327	<.1	448	<.1	695	<.1	695	<.1		<.1	
	1980	0.2	271	0.0		0.0		0.0		0.0		0.0	1120
	1981	0.8	277	<.1		<.1		0.0		0.0		0.0	
	1982	0.6	323	0.1	353	<.1	855	<.1	855	0.0		0.0	
	1983	0.4	297	0.1	310	<.1	168	<.1	168	<.1	1020	<.1	1020
	1984	0.1	287	0.1	362	0.0		0.0		0.0		<.1	
	1985	0.2	434	0.1	430	0.1		855	0.1	855	<.1	<.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	1976	ND		ND		ND		ND		ND		ND	
finfishes	1977	2.1	349	1.5	396	0.5	477	0.2	635	0.5	477	0.2	635
	1978	1.1	349	0.5	364	0.5	331	0.2	496	0.5	331	0.2	496
	1979	0.8	337	0.8	383	0.6	450	0.3	503	0.6	450	0.3	503
	1980	2.4	306	0.9	368	0.4	399	0.4	478	0.4	399	0.4	478
	1981	3.5	337	1.4	393	0.4	429	0.2	479	0.4	429	0.2	479
	1982	2.9	337	1.3	394	0.3	475	0.2	496	0.3	475	0.2	496
	1983	3.5	366	1.9	369	1.5	396	0.8	473	1.5	396	0.8	473
	1984	1.5	362	1.0	411	0.8	410	0.4	459	0.8	410	0.4	459
	1985	1.6	351	1.1	404	0.6	472	0.4	547	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.

Species	Year	Mesh size												
		7.6-cm		10.2-cm		12.7-cm		15.2-cm						
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	
Red drum	1976	0.2	396	0.2	428	<.1	600	<.1	390	<.1		<.1		
	1977	<.1	423	0.1	476	0.0		0.0		0.0		0.0		
	1978	0.1	418	0.2	442	0.1	550	0.1	589	0.1		0.1	589	
	1979	0.1	404	<.1	434	<.1	360	<.1	457	<.1		<.1	457	
	1980	0.8	378	0.2	402	0.1	431	0.1		0.0		0.0		
	1981	0.2	407	<.1	422	0.0		0.0		0.0		0.0		
	1982	0.3	406	0.2	423	<.1	565	<.1	604	<.1		<.1	604	
	1983	0.5	387	0.1	435	<.1	514	<.1	582	<.1		<.1	582	
	1984	0.1	409	<.1	452	<.1	565	<.1	568	<.1		<.1	568	
	1985	<.1	388	<.1	466	<.1	516	<.1	589	<.1		<.1	589	
	Spotted seatrout	1976	0.1	422	0.0		0.0		0.0			0.0		
		1977	0.2	380	0.0		0.0		0.0			0.0		
		1978	0.4	373	0.2	494	0.0		0.0			0.0		
		1979	0.1	420	0.1	531	<.1	631	<.1			0.0		
		1980	0.4	384	0.2	495	<.1	531	<.1			0.0		
1981		0.3	387	<.1	524	0.0		0.0			0.0			
1982		0.2	403	0.2	486	0.1	571	0.1	527	<.1		<.1	527	
1983		0.4	413	0.2	499	<.1	571	<.1	522	<.1		<.1	522	
1984		0.2	405	0.1	509	<.1	471	<.1	460	<.1		<.1	460	
1985		0.1	393	<.1	499	<.1	631	<.1			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	No./h	Length	No./h	Length
Southern flounder	1976	0.0		0.0		0.0		0.0		0.0		0.0	
	1977	0.0		<.1	265	<.1		<.1	391	<.1		0.0	
	1978	0.0		0.0		<.1		<.1	346	<.1		<.1	315
	1979	0.0		<.1	294	<.1		<.1		<.1		0.0	
	1980	0.0		<.1	276	<.1		<.1	339	<.1		0.0	
	1981	0.0		<.1	270	0.0		0.0		0.0		0.0	
	1982	<.1	310	<.1	291	<.1		<.1	316	<.1		<.1	335
	1983	<.1	312	<.1	295	<.1		<.1	376	<.1		<.1	375
	1984	<.1	286	<.1	310	<.1		<.1	315	<.1		<.1	383
	1985	<.1	279	<.1	312	<.1		<.1	343	<.1		<.1	398
Atlantic croaker	1976	0.0		0.0		0.0		0.0		0.0		<.1	
	1977	0.0		0.0		0.0		0.0		0.0		0.0	
	1978	<.1	293	0.0		0.0		0.0		0.0		0.0	
	1979	<.1	264	0.0		0.0		0.0		0.0		0.0	
	1980	0.0		0.0		0.0		0.0		0.0		0.0	
	1981	<.1	276	0.0		0.0		0.0		0.0		0.0	
	1982	<.1	270	0.0		0.0		0.0		0.0		0.0	
	1983	<.1	273	0.0		0.0		0.0		0.0		0.0	
	1984	<.1	254	<.1	140	<.1		0.0		0.0		0.0	
	1985	<.1	260	<.1		<.1		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	No./h	Length	No./h	Length
Gulf menhaden	1976	<.1	250	0.0		0.0		0.0		0.0		0.0	
	1977	<.1	245	0.0		<.1	244	<.1	244	0.0		0.0	
	1978	0.1	245	0.0		<.1	240	<.1	240	0.0		0.0	
	1979	0.1	251	<.1	250	0.0		0.0		0.0		0.0	
	1980	<.1	256	0.0		<.1	242	<.1	242	0.0		0.0	
	1981	0.2	255	0.0		0.0		0.0		0.0		0.0	
	1982	<.1	246	<.1	221	<.1	274	<.1	274	<.1		<.1	262
	1983	0.1	250	<.1	258	<.1	254	<.1	254	<.1		<.1	246
	1984	0.1	249	<.1	265	<.1	238	<.1	238	<.1		<.1	245
	1985	0.2	246	<.1	218	<.1	219	<.1	219	<.1		<.1	193
Hardhead catfish	1976	<.1	285	0.1	315	0.0		0.0		0.0		<.1	250
	1977	1.0	310	0.5	348	0.2		0.2	279	0.2		0.2	301
	1978	0.1	306	0.1	284	<.1		<.1	276	0.0		0.0	
	1979	0.5	315	0.1	313	0.0		0.0		0.0		0.0	
	1980	0.2	314	<.1		<.1		<.1	330	<.1		<.1	333
	1981	1.3	329	0.2	325	0.1		0.1	318	0.0		0.0	
	1982	0.6	321	0.2	352	<.1		<.1	298	<.1		<.1	338
	1983	0.3	314	0.1	330	<.1		<.1	310	<.1		<.1	308
	1984	0.6	317	0.3	349	<.1		<.1	281	<.1		<.1	303
	1985	0.3	319	0.1	363	<.1		<.1	315	<.1		<.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	No./h	Length	No./h	Length
Striped mullet	1976	0.1	322	0.0		0.0		0.0		0.0		0.0	
	1977	0.2	314	0.0		0.0		0.0		0.0		0.0	
	1978	0.3	330	<.1	409	0.0		0.0		0.0		0.0	
	1979	0.1	341	0.0		0.0		0.0		0.0		0.0	
	1980	0.4	335	<.1	325	0.0		0.0		0.0		0.0	
	1981	<.1	336	0.0		0.0		0.0		0.0		0.0	
	1982	0.2	324	<.1	361	0.0		0.0		0.0		0.0	
	1983	0.1	343	<.1	405	0.0		0.0		0.0		0.0	
	1984	0.2	325	0.1	460	0.0		0.0		0.0		0.0	
	1985	0.1	330	<.1	431	0.0		0.0		0.0		0.0	
Other finfishes	1976	0.2	271	0.6	386	0.0		0.0		0.0		0.0	
	1977	1.3	473	0.4	480	<.1		<.1		618		0.1	1037
	1978	1.0	310	0.2	441	0.1		0.1		814		0.2	1086
	1979	0.9	348	0.2	456	0.1		0.1		590		0.1	896
	1980	1.1	403	0.2	628	0.1		0.1		954		0.1	1057
	1981	1.1	295	0.2	596	0.1		0.1		827		0.3	879
	1982	1.4	447	0.3	539	0.2		0.2		733		0.1	902
	1983	0.8	413	0.2	591	0.1		0.1		855		0.1	877
	1984	0.7	500	0.2	543	0.1		0.1		799		0.1	924
	1985	0.4	422	0.1	586	0.1		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	1976	0.7	333	1.0	381	0.2	456	0.6	467				
finfishes	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.

Species	Year	Mesh size												
		7.6-cm		10.2-cm		12.7-cm		15.2-cm						
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	
Red drum	1976	0.7	414	0.3	400	0.0		0.0		0.0		0.0		
	1977	0.2	367	0.1	422	0.0		0.0		0.0		0.0		
	1978	0.1	395	<.1	428	0.0						0.0		
	1979	0.1	397	0.1	465	<.1	449	<.1	448	0.0		0.0		
	1980	0.4	384	0.3	422	<.1	519	<.1	448	0.0		0.0		
	1981	0.5	383	<.1	407	<.1	457	<.1	519	0.0		0.0		
	1982	0.2	391	0.1	431	<.1	457	<.1	457	<.1	615	<.1	615	
	1983	0.6	366	0.1	427	<.1	566	<.1	566	<.1	650	<.1	650	
	1984	<.1	439	0.1	516	<.1	547	<.1	547	<.1	503	<.1	503	
	1985	<.1	394	0.1	479	<.1	485	<.1	485	<.1	668	<.1	668	
	Spotted seatrout	1976	0.1		0.3	382	0.1		0.1		0.0		0.0	
		1977	0.8	382	0.1	431	<.1		<.1	670	0.0		0.0	
		1978	1.1	391	0.2	484	<.1		<.1	473	0.0		0.0	
		1979	0.1	443	0.0		0.0		0.0		0.0		0.0	
		1980	0.7	377	0.2	501	<.1	365	<.1	365	<.1	612	<.1	612
1981		0.3	390	0.2	528	0.1	507	0.1	507	<.1	404	<.1	404	
1982		0.6	400	0.2	508	<.1	551	<.1	551	<.1	384	<.1	384	
1983		0.6	408	0.2	506	<.1	549	<.1	549	<.1	444	<.1	444	
1984		0.1	431	0.1	530	<.1	575	<.1	575	<.1	484	<.1	484	
1985		0.2	406	0.1	518	<.1		<.1		<.1	0.0	<.1	0.0	

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

Species	Year	Mesh size														
		7.6-cm		10.2-cm		12.7-cm		15.2-cm		15.2-cm		Length				
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length			
Southern flounder	1976	0.0		0.1	335			0.0		0.0		0.0		0.0		
	1977	<.1	208	0.0				0.0		0.0		0.0		0.0		
	1978	<.1	236	<.1	303			<.1	311			<.1	374	<.1	422	
	1979	<.1	350	<.1				<.1	324			<.1		0.0		
	1980	<.1	325	<.1	310			<.1				0.0		0.0		
	1981	<.1	281	<.1	322			0.0				0.0		0.0		
	1982	<.1	225	<.1	276			<.1	339			<.1		<.1	369	
	1983	<.1	386	<.1	305			<.1	344			<.1		<.1	386	
	1984	<.1	279	<.1	310			<.1	342			<.1		<.1	304	
	1985	<.1	319	<.1	314			<.1	332			<.1		<.1	357	
Atlantic croaker	1976	0.2		0.0				0.0		0.0		0.0		0.0		
	1977	<.1	238	0.0				0.0		0.0		0.0		0.0		
	1978	<.1	250	0.0				0.0		0.0		0.0		0.0		
	1979	0.0		0.0				0.0		0.0		0.0		0.0		
	1980	<.1	235	0.0				0.0		0.0		0.0		0.0		
	1981	0.0		0.0				0.0		0.0		0.0		0.0		
	1982	<.1	268	<.1	285			0.0		0.0		0.0		0.0		
	1983	<.1	268	0.0				0.0		0.0		0.0		0.0		
	1984	<.1	282	0.0				0.0		0.0		0.0		0.0		
	1985	<.1	227	0.0				<.1	142			<.1		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	No./h	Length	No./h	Length	
Sand seatrout	1976	0.0		0.0		0.0		0.0		0.0		0.0		
	1977	0.0		0.0		0.0		0.0		0.0		0.0		
	1978	0.0		0.0		0.0		0.0		0.0		0.0		
	1979	0.0		0.0		<.1	209	0.0		0.0		0.0		
	1980	0.0		0.0		0.0		0.0		0.0		0.0		
	1981	<.1	378	0.0		0.0		0.0		0.0		0.0		
	1982	0.0		0.0		0.0		0.0		0.0		0.0		
	1983	0.0		0.0		0.0		0.0		0.0		0.0		
	1984	0.0		<.1	236	0.0		0.0		0.0		0.0		
	1985	0.0		0.0		0.0		0.0		0.0		0.0		
	Gafftopsail catfish	1976	0.2	410	0.2	385	1.1	515	0.8		0.8		0.8	407
		1977	<.1	516	0.2	467	1.7	525	1.4		1.4		1.4	564
1978		0.0		0.4	438	1.1	496	0.3		0.3		0.3	558	
1979		<.1	463	<.1	576	0.1	531	0.3		0.3		0.3	541	
1980		0.0		<.1	481	0.6	536	0.5		0.5		0.5	564	
1981		0.0		<.1	467	0.2	497	0.4		0.4		0.4	568	
1982		0.0		0.1	498	0.6	531	0.7		0.7		0.7	561	
1983		<.1	499	0.2	484	0.8	525	0.9		0.9		0.9	554	
1984		<.1	396	0.1	485	0.4	518	0.6		0.6		0.6	562	
1985		0.0		0.1	450	0.3	536	0.4		0.4		0.4	565	

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

Species	Year	Mesh size													
		7.6-cm		10.2-cm		12.7-cm		15.2-cm		10.2-cm		12.7-cm		15.2-cm	
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length
Gulf menhaden	1976	0.0		0.0		0.1	275	0.0		0.1	275	0.0		0.0	
	1977	0.0		<.1	270	<.1	153	<.1		<.1	153	<.1		<.1	237
	1978	1.0	254	<.1	255	0.1	289	0.0		0.1	289	0.0		0.0	
	1979	0.0		<.1	132	0.0		0.0		0.0		0.0		0.0	
	1980	<.1	238	<.1	324	<.1	282	0.0		<.1	282	0.0		0.0	
	1981	<.1	266	<.1	291	0.1	237	0.1		0.1	237	<.1		<.1	263
	1982	0.1	241	<.1	298	<.1	239	0.1		<.1	239	0.1		0.1	243
	1983	0.1	249	<.1	226	<.1	241	<.1		<.1	241	<.1		<.1	234
	1984	<.1	251	0.1	319	<.1	248	<.1		<.1	248	<.1		<.1	244
	1985	0.2	245	<.1	232	<.1	224	<.1		<.1	224	<.1		<.1	250
Hardhead catfish	1976	0.3	402	1.1	291	0.1	280	1.1		0.1	280	0.0		0.0	
	1977	0.5	315	0.2	356	0.1	256	0.1		0.1	256	0.0		0.0	
	1978	0.7	310	0.2	355	<.1	260	<.1		<.1	260	0.0		0.0	
	1979	0.3	325	0.1	382	<.1	329	<.1		<.1	329	<.1		<.1	358
	1980	0.4	318	0.3	347	0.1	313	0.1		0.1	313	0.1		0.1	319
	1981	0.7	314	0.3	351	0.1	336	0.1		0.1	336	<.1		<.1	326
	1982	1.1	319	0.7	347	0.1	331	0.1		0.1	331	0.1		0.1	369
	1983	0.7	330	0.6	358	0.1	319	0.1		0.1	319	0.1		0.1	318
	1984	1.1	330	0.7	355	0.2	307	0.2		0.2	307	0.1		0.1	314
	1985	0.7	339	0.6	358	0.2	320	0.2		0.2	320	<.1		<.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	No./h	Length	No./h	Length
Pinfish	1976	0.0		0.0		0.0		0.0		0.0		0.0	
	1977	0.0		0.0		0.0		0.0		0.0		0.0	
	1978	<.1	196	<.1	222	0.0		0.0		0.0		0.0	
	1979	<.1		0.0		0.0		0.0		0.0		0.0	
	1980	0.0		0.0		0.0		0.0		0.0		0.0	
	1981	0.0		<.1	246	0.0		0.0		0.0		0.0	
	1982	<.1	213	<.1	238	0.0		0.0		0.0		0.0	
	1983	0.0		0.0		0.0		0.0		0.0		0.0	
	1984	<.1		0.0		0.0		0.0		0.0		0.0	
	1985	0.0		0.0		0.0		0.0		0.0		0.0	
Spot	1976	0.0		0.0		0.0		0.0		0.0		0.0	
	1977	0.1	230	0.0		0.0		0.0		0.0		0.0	
	1978	0.1	242	0.0		0.0		0.0		0.0		0.0	
	1979	0.0		0.0		0.0		0.0		0.0		0.0	
	1980	<.1	239	0.0		0.0		0.0		0.0		0.0	
	1981	0.0		0.0		0.0		0.0		0.0		0.0	
	1982	<.1	244	0.0		0.0		0.0		0.0		0.0	
	1983	0.1	248	0.0		0.0		0.0		0.0		0.0	
	1984	<.1	255	0.0		0.0		<.1	248	0.0		0.0	
	1985	<.1	238	0.0		0.0		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		7.6-cm		10.2-cm		12.7-cm		15.2-cm	
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length
Striped mullet	1976	0.0		0.1	338	0.0		0.0		0.0		0.0		0.0		0.0	
	1977	0.9	317	0.0		0.0		0.0		0.0		0.0		0.0		0.0	
	1978	0.2	334	0.0		0.0		0.0		0.0		0.0		0.0		0.0	
	1979	0.8	342	<.1	436	0.0		0.0		0.0		0.0		0.0		0.0	
	1980	0.2	323	<.1	429	0.0		0.0		0.0		0.0		0.0		0.0	
	1981	<.1	331	<.1	372	0.0		0.0		0.0		0.0		0.0		0.0	
	1982	0.2	330	<.1	362	0.0		0.0		0.0		0.0		0.0		0.0	
	1983	0.2	338	<.1	400	0.0		0.0		0.0		0.0		0.0		0.0	
	1984	0.2	333	<.1	407	0.0		0.0		0.0		0.0		0.0		0.0	
	1985	0.1	327	<.1	398	0.0		0.0		0.0		0.0		0.0		0.0	
Other finfishes	1976	0.1	570	0.0		0.2	502	0.2	760	0.2	502	0.2	760	0.2	502	0.2	760
	1977	0.4	426	0.2	406	0.1	589	0.1	1153	0.1	589	0.1	1153	0.1	589	0.1	1153
	1978	1.2	459	0.3	464	0.2	687	0.2	1079	<.1	687	<.1	1079	<.1	687	<.1	1079
	1979	0.8	454	0.2	643	0.1	748	0.1	887	0.1	748	0.1	887	0.1	748	0.1	887
	1980	0.4	457	0.2	603	0.1	717	0.1	824	<.1	717	<.1	824	<.1	717	<.1	824
	1981	1.3	391	0.2	470	0.3	635	0.3	865	0.2	470	0.2	865	0.2	470	0.2	865
	1982	0.4	448	0.1	562	0.1	648	0.1	896	0.1	562	0.1	896	0.1	562	0.1	896
	1983	0.6	454	0.2	571	0.1	691	0.1	766	0.1	454	0.1	766	0.1	454	0.1	766
	1984	0.6	514	0.2	552	0.1	714	0.1	848	0.1	514	0.1	848	0.1	514	0.1	848
	1985	0.2	679	0.2	761	0.1	907	0.1	1103	0.2	679	0.1	1103	0.1	679	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	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 Arkansas Bay system during spring 1976-1985. Blank indicates no measurement taken.

Species	Year	Mesh size												
		7.6-cm		10.2-cm		12.7-cm		15.2-cm						
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	
Red drum	1976	0.2	394	0.6	458	0.1	600	0.1	600	0.1	362			
	1977	0.3	363	0.1	480	0.1	475	0.1	475	0.0				
	1978	<.1	403	<.1		0.1	468	0.1	468	0.0				
	1979	0.3	402	0.1	464	<.1	505	<.1	505	<.1	443			
	1980	0.3	353	<.1	413	<.1	443	<.1	443	<.1	394			
	1981	0.3	369	<.1	471	0.1	488	0.1	488	<.1	458			
	1982	0.3	400	0.1	453	<.1	522	<.1	522	<.1	631			
	1983	0.4	371	0.1	415	<.1	430	<.1	430	<.1	517			
	1984	0.2	414	0.1	421	<.1	512	<.1	512	<.1	435			
	1985	0.1	413	0.2	451	0.1	547	0.1	547	<.1	527			
	Spotted seatrout	1976	1.8	410	0.7	527	0.4	585	0.4	585	0.4	480		
		1977	0.8	372	0.1	506	0.1	615	0.1	615	0.0			
		1978	0.1	381	<.1	502	<.1		<.1		0.0			
		1979	0.2	445	0.2	543	<.1	578	<.1	578	<.1	606		
		1980	0.1	399	0.1	517	<.1	600	<.1	600	0.0			
1981		0.5	414	0.2	533	0.1	619	0.1	619	<.1	690			
1982		0.5	400	0.2	494	0.1	535	0.1	535	<.1	456			
1983		0.4	410	0.2	516	<.1	546	<.1	546	<.1	401			
1984		0.2	407	0.1	490	<.1	443	<.1	443	0.0				
1985		0.2	394	0.1	516	<.1	498	<.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	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		10.2-cm		12.7-cm		15.2-cm						
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	
Southern flounder	1976	0.0		0.0		0.0		0.0		0.0		0.0		
	1977	0.0		<.1	282	0.1	383	0.0		0.0		0.0		
	1978	0.0		<.1	338	0.0		0.0		0.0		0.0		
	1979	0.0		<.1	281	0.0		0.0		0.0		0.0		
	1980	<.1	263	<.1	307	<.1	312	<.1	363	<.1	324	<.1	400	
	1981	0.0		0.0		<.1	346	<.1	356	<.1	433	<.1	361	
	1982	<.1	266	<.1	292	<.1	297	<.1	337	<.1		<.1		
	1983	<.1	306	<.1	272	<.1	319	<.1		<.1		<.1		
	1984	<.1	301	<.1		<.1		<.1		<.1		<.1		
	1985	<.1	322	<.1		<.1		<.1		<.1		<.1		
	Atlantic croaker	1976	0.0		0.0		0.0		0.0		0.0		0.0	
		1977	<.1	285	0.0		0.0		0.0		0.0		0.0	
		1978	<.1	248	0.0		0.0		0.0		0.0		0.0	
1979		0.0		0.0		0.0		0.0		0.0		0.0		
1980		<.1	240	0.0		0.0		0.0		0.0		0.0		
1981		<.1	274	<.1	320	<.1	310	<.1		<.1		<.1		
1982		<.1	264	0.0		0.0		0.0		0.0		0.0		
1983		<.1	286	0.0		0.0		0.0		0.0		0.0		
1984		<.1	269	<.1		<.1		<.1		<.1		<.1		
1985		<.1	115	0.0		0.0		<.1		<.1		<.1		

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

Species	Year	Mesh size							
		7.6-cm No./h	Length	10.2-cm No./h	Length	12.7-cm No./h	Length	15.2-cm No./h	Length
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		0.0	
	1983	0.0		0.0		0.0		0.0	230
	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	No./h	Length	No./h	Length	
Gulf menhaden	1976	0.0		0.0				0.0		0.0		0.0		
	1977	0.3	247	0.0				0.0		0.0		0.0		
	1978	0.0		0.0				0.0		0.0		0.0		
	1979	0.0		0.0			247					<.1	230	
	1980	<.1	271	0.0				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		10.2-cm		12.7-cm		15.2-cm					
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length
Pinfish	1976	0.0		0.0		0.0		0.0		0.0		0.0	
	1977	0.0		0.0		0.0		0.0		0.0		0.0	
	1978	0.0		0.0		0.0		0.0		0.0		0.0	
	1979	<.1	226	0.0		0.0		0.0		0.0		0.0	
	1980	0.0		0.0		0.0		0.0		0.0		0.0	
	1981	0.0		0.0		0.0		0.0		0.0		0.0	
	1982	<.1	228	0.0		0.0		0.0		0.0		<.1	236
	1983	<.1	160	0.0		0.0		0.0		0.0		0.0	
	1984	<.1	125	0.0		0.0		0.0		0.0		0.0	
	1985	<.1	237	0.0		0.0		0.0		0.0		0.0	
Spot	1976	0.0		0.0		0.0		0.0		0.0		0.0	
	1977	0.1	226	0.0		0.0		0.0		0.0		0.0	
	1978	<.1		0.0		0.0		0.0		0.0		0.0	
	1979	<.1	245	0.0		0.0		0.0		0.0		0.0	
	1980	0.0		0.0		0.0		0.0		0.0		0.0	
	1981	<.1	268	0.0		0.0		0.0		0.0		0.0	
	1982	<.1	249	0.0		0.0		0.0		0.0		0.0	
	1983	<.1	237	<.1	176	0.0		0.0		0.0		0.0	
	1984	<.1	253	0.0		0.0		0.0		0.0		0.0	
1985	<.1	241	<.1	235	0.0		0.0		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	No./h	Length	No./h	Length	
Striped mullet	1976	0.3	315	0.3	417	0.1		0.0		0.0		0.0		
	1977	0.8	319	0.0		0.0		0.0		0.0		0.0		
	1978	0.2	314	<.1	433	0.0		0.0		0.0		0.0		
	1979	0.1	333	<.1	435	<.1		0.0		0.0		0.0		
	1980	0.1	337	0.0		0.0		0.0		0.0		0.0		
	1981	0.1	337	<.1	320	0.0		0.0		0.0		0.0		
	1982	0.2	332	<.1	363	0.0		0.0		0.0		0.0		
	1983	0.2	337	<.1	426	0.0		0.0		0.0		0.0		
	1984	0.3	332	<.1	404	0.0		0.0		0.0		0.0		
	1985	0.2	335	<.1	420	0.0		0.0		0.0		0.0		
	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	1976	4.2	384	2.2	462	1.7	433	1.5	411				
finfishes	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.

Species	Year	Mesh size												
		7.6-cm		10.2-cm		12.7-cm		15.2-cm						
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	
Red drum	1976	0.4	386	0.3	448	0.0		0.0		0.0		0.0		
	1977	0.1	354	0.2	441	<.1	388	<.1		0.0		0.0		
	1978	0.0		0.2	437	<.1	523	<.1		<.1		<.1	655	
	1979	<.1	432	0.2	466	<.1	415	<.1		<.1		<.1	689	
	1980	0.3	383	0.5	430	0.1	476	0.1		0.1		0.1	638	
	1981	0.1	357	0.1	449	<.1	534	<.1		<.1		<.1	502	
	1982	0.1	426	0.3	451	0.1	513	0.1		<.1		<.1	568	
	1983	0.2	372	0.1	426	<.1	523	<.1		<.1		<.1	536	
	1984	0.1	398	0.4	434	0.2	525	0.2		0.1		0.1	491	
	1985	0.1	429	0.4	452	<.1	549	<.1		<.1		<.1	518	
	Spotted seatrout	1976	0.3	322	0.1	496	0.0		0.0		0.0		0.0	
		1977	0.3	368	<.1	310	<.1	505	<.1		0.0		0.0	
		1978	0.3	355	0.2	524	<.1	596	<.1		<.1		<.1	624
		1979	0.1	429	0.1	533	0.1	635	0.1		<.1		<.1	624
		1980	0.1	435	0.1	539	0.1	561	0.1		<.1		<.1	499
1981		0.3	371	0.2	515	<.1	619	<.1		<.1		<.1	672	
1982		0.4	409	0.3	521	0.1	590	0.1		<.1		<.1	571	
1983		0.3	407	0.2	528	0.1	611	0.1		<.1		<.1	610	
1984		0.1	411	0.1	509	<.1	541	<.1		<.1		<.1	506	
1985		0.2	393	0.1	549	0.1	511	0.1		<.1		<.1	564	

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

Species	Year	Mesh size															
		7.6-cm		10.2-cm		12.7-cm		15.2-cm		7.6-cm		10.2-cm		12.7-cm		15.2-cm	
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length
Black drum	1976	0.0		0.4	300	0.0		0.0		0.0		0.0		0.3	440	0.0	
	1977	<.1	225	0.2	291	0.2	386	0.2		0.1	427	0.1		0.1	427	0.1	
	1978	<.1	245	0.2	291	0.2	373	0.2		0.0		0.0		0.0		0.0	
	1979	<.1	276	<.1	289	0.1	416	0.1		0.1	473	<.1		<.1	473	<.1	
	1980	<.1	251	0.1	294	0.1	395	0.1		0.1	476	<.1		<.1	476	<.1	
	1981	<.1	239	<.1	308	<.1	387	<.1		<.1	572	<.1		<.1	572	<.1	
	1982	0.1	245	0.1	321	0.2	376	0.2		0.2	465	0.2		<.1	465	<.1	
	1983	0.1	240	0.3	329	0.3	389	0.3		0.3	458	0.3		0.2	458	0.2	
	1984	<.1	348	0.1	375	0.2	422	0.2		0.2	467	0.2		0.1	467	0.1	
	1985	<.1	284	0.1	304	<.1	340	<.1		<.1	467	<.1		<.1	467	<.1	
Sheepshead	1976	0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0	
	1977	0.0		0.0		0.1	252	0.1		0.1	336	0.1		0.1	336	0.1	
	1978	0.0		<.1	350	<.1	322	<.1		0.2	362	0.2		0.2	362	0.2	
	1979	0.0		<.1	283	0.2	352	0.2		0.3	378	0.3		0.3	378	0.3	
	1980	0.0		<.1	266	0.1	333	0.1		<.1	327	<.1		<.1	327	<.1	
	1981	<.1	242	<.1	288	<.1	318	<.1		<.1	381	<.1		<.1	381	<.1	
	1982	<.1	262	<.1	318	0.1	327	0.1		0.1	366	0.1		0.1	366	0.1	
	1983	<.1	303	<.1	317	0.2	352	0.2		0.2	404	0.2		0.1	404	0.1	
	1984	0.0		<.1	284	<.1	372	<.1		<.1	390	<.1		0.1	390	0.1	
	1985	<.1	415	<.1	420	0.1	399	0.1		0.1	445	0.1		0.1	445	0.1	

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

Species	Year	Mesh size												
		7.6-cm		10.2-cm		12.7-cm		15.2-cm		17.8-cm		20.3-cm		
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	
Southern flounder	1976	0.0		0.0		0.0		0.0		0.0		0.0		
	1977	0.0		<.1		0.0		0.0		0.0		<.1	430	
	1978	0.0		<.1	310	0.1	362	0.1	362	0.0		0.0		
	1979	<.1		<.1	322	<.1	372	<.1	362	0.1	409	<.1	312	
	1980	0.0		<.1	271	<.1	362	<.1	390	<.1	422	<.1	414	
	1981	<.1	266	<.1	290	<.1	376	<.1	376	0.0	405	<.1	408	
	1982	<.1	212	<.1	318	<.1	379	<.1	367	<.1	405	<.1	408	
	1983	<.1	439	<.1	319	<.1	367	<.1	365	<.1	405	<.1	408	
	1984	<.1	356	<.1	401	0.1	367	<.1	365	<.1	405	<.1	408	
	1985	<.1	282	<.1	306	<.1	365	<.1	365	<.1	405	<.1	408	
	Atlantic croaker	1976	1.0	227	0.0		0.0		0.0		0.0		0.0	
		1977	0.9	260	0.1	300	0.0		0.0		0.0		0.0	
		1978	0.1	246	0.0		0.0		0.0		<.1	487	<.1	487
1979		0.1	264	0.0		0.0		0.0		0.0		0.0		
1980		0.1	268	<.1	314	0.0		0.0		0.0		0.0		
1981		0.1	270	<.1	221	0.0		0.0		0.0		0.0		
1982		0.1	275	<.1	353	<.1	250	<.1	250	<.1	223	<.1	223	
1983		0.2	263	<.1	341	<.1	185	<.1	185	0.0		0.0		
1984		<.1	279	<.1	305	<.1	223	<.1	223	0.0		0.0		
1985		0.1	265	0.0		0.0		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	No./h	Length	No./h	Length
Sand seatrout	1976	0.0		0.0		0.2	266	0.1		0.0		0.1	265
	1977	0.0		0.0		0.0		0.0		0.0		0.0	
	1978	0.0		0.0		0.0		0.0		0.0		0.0	
	1979	0.0		0.0		0.0		<.1		<.1		<.1	284
	1980	<.1	312	0.0		0.0		0.0		0.0		0.0	
	1981	0.0		0.0		0.0		0.0		0.0		0.0	
	1982	<.1	329	<.1	270	<.1	268	<.1		<.1		<.1	293
	1983	<.1	391	<.1	291	<.1	281	<.1		<.1		<.1	242
	1984	0.0		0.0		<.1	247	<.1		0.0		0.0	
	1985	0.0		0.0		0.0		0.0		0.0		0.0	
Gafftopsail catfish	1976	0.0		0.0		0.0		0.0		0.0		0.0	
	1977	0.0		0.0		0.0		0.0		0.0		0.0	
	1978	0.0		<.1	357	0.0		<.1		<.1		<.1	515
	1979	0.0		0.0		0.1	541	0.1		0.2		0.2	554
	1980	0.0		0.0		<.1	578	<.1		0.1		0.1	599
	1981	0.0		<.1	472	0.1	520	0.1		<.1		<.1	548
	1982	0.0		<.1	453	0.1	523	0.1		0.1		0.1	561
	1983	0.0		<.1	448	<.1	504	<.1		<.1		0.1	582
	1984	0.0		<.1	439	<.1	506	0.1		0.1		0.1	564
	1985	0.0		<.1	383	<.1	493	<.1		<.1		<.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	No./h	Length	No./h	Length				
Gulf menhaden	1976	0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0	
	1977	1.7	249	0.4	279	0.3	256	0.2	258	0.0		0.2	258	0.0		0.0	
	1978	0.2	258	<.1	319	0.0		0.0		<.1		0.0		<.1		0.0	
	1979	0.1	255	0.0		0.0		0.0		0.0		0.0		<.1		0.0	
	1980	<.1	257	0.0		0.0		0.0		0.0		0.0		0.0		0.0	
	1981	0.1	242	<.1	306	0.0		0.0		<.1		0.0		<.1		0.0	
	1982	<.1	252	0.0		<.1		0.0		<.1		0.0		<.1		0.0	
	1983	<.1	247	<.1	273	<.1		0.0		<.1		0.0		<.1		0.0	
	1984	<.1	255	<.1	267	<.1		0.0		<.1		0.0		<.1		0.0	
	1985	0.4	252	<.1	242	0.1		0.0		0.1		0.1		0.1		0.1	
	Hardhead catfish	1976	0.6	305	0.0		0.0		0.0		0.0		0.0		0.1		0.1
1977		0.6	322	0.4	297	0.1	393	0.1	349	0.1		0.1	349	<.1		<.1	
1978		0.3	293	0.2	331	<.1	292	<.1	364	<.1		<.1	364	<.1		<.1	
1979		0.2	331	0.1	328	<.1	317	<.1	243	<.1		<.1	243	<.1		<.1	
1980		0.3	317	0.1	351	<.1	308	<.1		0.0		0.0		0.0		0.0	
1981		0.3	329	0.2	354	0.1	387	0.1	295	<.1		<.1	295	<.1		<.1	
1982		0.5	326	0.4	362	0.1	363	0.1	351	<.1		<.1	351	<.1		<.1	
1983		0.9	322	0.4	374	0.1	320	0.1	299	<.1		<.1	299	<.1		<.1	
1984		0.7	327	0.5	355	0.1	341	0.1	336	0.1		0.1	336	0.1		0.1	
1985		1.4	331	0.6	362	0.1	356	0.1	324	<.1		<.1	324	<.1		<.1	

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 G.14. (Cont'd.).

Species	Year	Mesh size											
		7.6-cm		10.2-cm		12.7-cm		15.2-cm					
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length
Striped mullet	1976	0.0		0.0		0.0		0.0		0.0		0.0	
	1977	0.1	340	0.0		0.0		0.0		0.0		0.0	
	1978	0.1	316	<.1	446	<.1	419	<.1	419	<.1	419	<.1	419
	1979	<.1	318	<.1	427	0.0		0.0		0.0		0.0	
	1980	0.1	309	<.1	345	0.0		0.0		0.0		0.0	
	1981	<.1	274	0.1	335	0.0		0.0		0.0		0.0	
	1982	0.2	338	<.1	402	0.0		0.0		0.0		<.1	393
	1983	0.1	339	<.1	418	<.1	334	<.1	334	<.1	334	<.1	409
	1984	0.1	330	<.1	381	0.0		0.0		0.0		0.0	
	1985	0.1	335	<.1	405	0.0		0.0		0.0		0.0	
Other finfishes	1976	0.3	298	1.6	354	0.3	388	0.3	388	0.1	362	0.1	362
	1977	0.2	277	0.4	344	0.1	489	0.1	489	<.1	790	<.1	790
	1978	0.4	265	0.3	323	0.1	331	0.1	331	0.0		0.0	
	1979	0.1	319	0.2	341	0.0		0.0		0.0		<.1	456
	1980	0.1	298	0.1	336	<.1	331	<.1	331	<.1	421	<.1	421
	1981	0.2	295	0.2	336	0.1	376	0.1	376	0.0		0.0	
	1982	0.2	398	0.3	418	0.1	470	0.1	470	0.1	553	0.1	553
	1983	0.5	416	0.5	443	0.1	564	0.1	564	<.1	579	<.1	579
	1984	0.2	402	0.8	354	0.1	452	0.1	452	0.1	561	0.1	561
	1985	0.2	329	0.1	384	0.1	559	0.1	559	<.1	691	<.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	1976	2.9	299	2.3	362	0.5	364	0.5	357
finfishes	1977	4.6	271	1.7	324	0.9	341	0.4	372
	1978	1.6	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.

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

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

Species	Year	Mesh size																							
		7.6-cm		10.2-cm		12.7-cm		15.2-cm		15.2-cm		15.2-cm													
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length												
Black drum	1976	0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0			
	1977	0.0		0.1	305	0.2		0.2		0.2		0.2		0.2		0.2		0.2		0.2		0.2		0.1	473
	1978	0.0		<.1	294	<.1		<.1		<.1		<.1		<.1		<.1		<.1		<.1		<.1		0.1	454
	1979	0.0		0.0	299	0.1		0.1		0.1		0.1		0.1		0.1		0.1		0.1		0.1		0.1	478
	1980	<.1	346	0.3	333	0.3		0.3		0.3		0.3		0.3		0.3		0.3		0.3		0.3		0.1	477
	1981	<.1	295	0.2	347	0.6		0.6		0.6		0.6		0.6		0.6		0.6		0.6		0.6		0.3	441
	1982	<.1	250	0.4	306	0.1		0.1		0.1		0.1		0.1		0.1		0.1		0.1		0.1		0.2	476
	1983	<.1	282	0.1	355	0.2		0.2		0.2		0.2		0.2		0.2		0.2		0.2		0.2		0.1	457
	1984	<.1	312	0.1	398	0.2		0.2		0.2		0.2		0.2		0.2		0.2		0.2		0.2		0.2	499
	1985	<.1	262	0.5	306	0.2		0.2		0.2		0.2		0.2		0.2		0.2		0.2		0.2		0.1	508
Sheepshead	1976	0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0	
	1977	0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.1	387
	1978	0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.1	416
	1979	0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.1	375
	1980	0.0		<.1	352	<.1		<.1		<.1		<.1		<.1		<.1		<.1		<.1		<.1		0.1	378
	1981	0.0		<.1	314	<.1		<.1		<.1		<.1		<.1		<.1		<.1		<.1		<.1		0.1	428
	1982	0.0		<.1	327	<.1		<.1		<.1		<.1		<.1		<.1		<.1		<.1		<.1		0.1	373
	1983	<.1	405	<.1	329	<.1		<.1		<.1		<.1		<.1		<.1		<.1		<.1		<.1		0.1	411
	1984	<.1	378	<.1	298	<.1		<.1		<.1		<.1		<.1		<.1		<.1		<.1		<.1		0.1	402
	1985	<.1	438	0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		<.1	433

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
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		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	<.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		17.8-cm		20.3-cm		
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	
Pinfish	1976	0.0		0.0		0.0		0.0		0.0		0.0		
	1977	0.0		0.0		0.0		0.0		0.0		0.0		
	1978	<.1	204	0.0		0.0		0.0		0.0		0.0		
	1979	0.0		0.0		0.0		0.0		0.0		0.0		
	1980	0.0		0.0		0.0		0.0		0.0		0.0		
	1981	<.1	190	0.0		0.0		0.0		0.0		0.0		
	1982	<.1	181	<.1	253	<.1	272	<.1	272	<.1	272	<.1	272	
	1983	<.1	184	<.1	331	<.1	375	<.1	375	<.1	375	<.1	375	
	1984	0.0		<.1	310	0.0		0.0		0.0		0.0		
	1985	<.1	181	<.1	144	0.0		0.0		0.0		0.0		
	Spot	1976	0.0		0.0		0.0		0.0		0.0		0.0	
		1977	0.2	228	0.0		0.0		0.0		0.0		0.0	
		1978	0.1	225	<.1	232	0.0		0.0		0.0		0.0	
1979		0.1	239	<.1	235	0.0		0.0		0.0		0.0		
1980		0.1	236	<.1	220	0.0		0.0		0.0		0.0		
1981		0.1	223	0.0		0.0		0.0		0.0		0.0		
1982		0.5	231	<.1	238	0.0		0.0		0.0		0.0		
1983		0.1	228	<.1	271	0.0		0.0		0.0		0.0		
1984		<.1	233	<.1	261	0.0		0.0		0.0		0.0		
1985		0.1	219	<.1	242	<.1	222	<.1	222	<.1	222	<.1	212	

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

Species	Year	Mesh size											
		7.6-cm		10.2-cm		12.7-cm		15.2-cm					
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length
Striped mullet	1976	0.0		0.0		0.0		0.0		0.0		0.0	
	1977	0.1	324	0.1	420	0.0		0.0		0.0		0.0	
	1978	<.1	331	<.1	316	0.0		0.0		0.0		0.0	
	1979	<.1	356	<.1	423	0.0		0.0		0.0		0.0	
	1980	0.1	360	<.1	442	0.0		0.0		0.0		0.0	
	1981	0.2	340	<.1	421	<.1	413	<.1	428	<.1	285	<.1	
	1982	0.1	344	<.1	425	<.1	428	<.1	428	0.0		0.0	
	1983	0.1	348	<.1	418	0.0		0.0		0.0		0.0	
	1984	0.5	339	0.1	416	<.1	333	<.1	449	<.1		0.0	
	1985	0.2	349	0.1	422	<.1	449	<.1		<.1		<.1	372
Other finfishes	1976	0.0		0.0		0.0		0.0		0.0		0.0	
	1977	0.1	428	0.3	334	<.1	400	<.1	400	<.1		<.1	
	1978	0.1	447	0.3	358	0.1	478	0.1	478	<.1		<.1	452
	1979	0.1	326	0.1	343	<.1	345	<.1	345	<.1		<.1	383
	1980	<.1	288	0.1	342	<.1	457	<.1	457	<.1		<.1	516
	1981	0.1	297	0.3	332	0.1	341	0.1	341	0.0		0.0	
	1982	0.1	352	0.1	360	<.1	440	<.1	440	<.1		<.1	602
	1983	<.1	348	<.1	377	<.1	405	<.1	405	<.1		<.1	426
	1984	0.1	408	0.1	353	<.1	410	<.1	410	<.1		<.1	560
	1985	0.2	357	0.1	327	0.1	327	<.1	448	<.1		<.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	1976	0.0		0.0		0.0		0.0		0.0		0.0	
finfishes	1977	1.9	331	1.2	385	0.4	412	0.2	471	0.4	385	0.2	471
	1978	2.8	347	1.1	384	0.4	394	0.3	432	0.4	384	0.3	432
	1979	1.0	332	0.8	379	0.3	371	0.2	416	0.3	379	0.2	416
	1980	1.9	329	1.1	386	0.5	420	0.3	438	0.5	386	0.3	438
	1981	1.7	323	1.2	349	0.9	389	0.4	408	0.9	349	0.4	408
	1982	2.3	324	1.3	382	0.5	446	0.4	467	0.5	382	0.4	467
	1983	1.0	330	0.6	385	0.4	415	0.3	451	0.4	385	0.3	451
	1984	1.8	337	0.8	380	0.4	410	0.3	483	0.4	380	0.3	483
	1985	1.7	310	1.2	362	0.5	411	0.2	464	0.5	362	0.2	464

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		15.2-cm		15.2-cm			
		No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length	No./h	Length		
Sand seatrout	1976	0.0		0.0		0.0		0.0		0.0		0.0		0.0	
	1977	0.0		0.0		0.0		0.0		0.0		0.0		0.0	
	1978	0.0		0.0		0.0		0.0		0.0		0.0		0.0	
	1979	0.0		0.0		<.1	245	<.1		<.1		0.0		0.0	
	1980	0.0		0.0		0.0		0.0		0.0		0.0		0.0	
	1981	0.0		0.0		0.0		0.0		0.0		0.0		0.0	
	1982	<.1	321	0.0		<.1	269	<.1		<.1		0.0		0.0	
	1983	0.0		0.0		0.0		0.0		0.0		0.0		0.0	
	1984	0.0		0.0		0.0		0.0		0.0		0.0		0.0	
	1985	0.0		0.0		0.0		<.1	308	<.1		<.1		<.1	230
Gafftopsail catfish	1976	0.0		0.0		0.0		0.0		0.0		0.0		0.0	
	1977	0.0		0.0		0.0		0.0		0.0		0.0		0.0	
	1978	0.0		0.0		0.0		0.0		0.0		0.0		0.0	
	1979	0.0		0.0		0.0		0.0		0.0		0.0		0.0	
	1980	0.0		0.0		0.0		0.0		0.0		0.0		0.0	
	1981	0.0		0.0		0.0		0.0		0.0		0.0		0.0	
	1982	0.0		<.1	471	0.0		0.0		0.0		<.1		<.1	272
	1983	0.0		0.0		0.0		0.0		0.0		0.0		0.0	
	1984	0.0		0.0		0.0		<.1	211	<.1		<.1		0.0	
	1985	<.1	364	0.0		0.0		<.1	455	<.1		<.1		<.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	No./h	Length	No./h	Length
Gulf menhaden	1976	0.0		0.0		0.0		0.0		0.0		0.0	
	1977	<.1	229	0.0		0.0		0.0		0.0		0.0	
	1978	<.1	246	0.0		0.0		0.0		0.0		0.0	
	1979	0.0		0.0		0.0		0.0		0.0		0.0	
	1980	<.1	261	<.1	212	<.1	316	<.1	0.0	<.1	0.0	<.1	0.0
	1981	<.1		<.1	254	<.1	233	<.1	0.0	<.1	0.0	<.1	0.0
	1982	<.1	269	<.1	330	<.1	264	<.1	0.0	<.1	0.0	<.1	243
	1983	0.1	246	<.1	345	<.1	235	<.1	0.0	<.1	0.0	<.1	232
	1984	<.1	236	0.0		<.1	269	<.1	0.0	<.1	0.0	<.1	275
	1985	0.4	255	<.1	300	<.1	271	<.1	0.0	<.1	0.0	<.1	249
	Hardhead catfish	1976	0.2	310	0.1	380	0.0		0.0		0.0		0.0
1977		0.2	303	0.1	341	0.1	339	0.1	0.0	<.1	0.0	<.1	277
1978		0.3	307	0.2	349	0.1	236	0.1	0.1	<.1	0.0	<.1	314
1979		0.1	321	0.1	275	0.1	261	0.1	0.1	<.1	0.0	<.1	320
1980		0.3	322	0.1	368	0.1	293	0.1	0.1	<.1	0.0	<.1	326
1981		0.5	307	0.1	344	<.1	336	<.1	0.0	0.0	0.0	0.0	338
1982		1.0	321	0.5	358	0.2	340	0.2	0.2	0.1	0.1	0.1	324
1983		1.0	325	0.6	357	0.2	346	0.2	0.2	0.1	0.1	0.1	332
1984		0.6	318	0.6	357	0.2	323	0.2	0.2	0.1	0.1	0.1	332
1985		0.3	322	0.3	362	0.1	319	0.1	0.1	<.1	0.0	<.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		<.1	517
1978		0.3	434	0.4	358	0.2	398	<.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	1976	2.9	389	2.2	428	1.7	442	0.3	507				
finfishes	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.

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

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.

Year	Bay system																	
	Galveston		East Matagorda		Matagorda		San Antonio		Aransas		Corpus Christi		Upper Laguna Madre		Lower Laguna Madre		Coastwide	
	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall
1975	ND	20.8	ND	ND	21.1	ND	22.6	ND	22.7	ND	23.3	ND	22.7	ND	24.0	ND	21.3	ND
1976	28.5	17.8	ND	15.2	28.5	24.9	28.0	24.2	29.0	24.1	26.0	24.2	19.3	ND	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	22.8	25.7	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	23.9	27.0	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	25.5	28.2	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	27.0	29.0	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	25.8	26.6	26.6	26.3	26.4	24.4
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	24.7	27.6	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	27.4	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	ND	28.6	ND	27.3	ND	26.3	ND	27.5	ND	26.3	ND	27.6	ND	28.3	ND	27.4	ND

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.

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

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

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

Table D.5. Mean surface salinity (o/oo) at sampled bag seine sites by bay system during October 1983-June 1985.
 ND = no data.

Month	Bay system										
	East		San Antonio		Aransas	Corpus Christi	Upper		Lower		Coastwide
	Galveston	Matagorda	Matagorda	Antonio			Laguna Madre	Laguna Madre	Laguna Madre	Laguna Madre	
Oct 1983	10.8	7.8	11.7	18.6	9.6	25.3	33.8	33.1	33.1	18.6	
Nov	17.0	12.6	11.9	15.9	9.8	22.8	35.1	32.3	32.3	19.6	
Dec	18.9	17.2	19.3	15.1	17.8	27.7	33.1	32.4	32.4	22.6	
Jan 1984	14.4	17.4	21.4	17.4	15.6	28.1	33.0	33.8	33.8	22.1	
Feb	16.5	14.5	19.2	18.0	17.1	26.3	32.0	27.8	27.8	21.3	
Mar	16.1	17.5	23.5	13.5	18.0	30.4	32.1	31.2	31.2	22.4	
Apr	23.7	21.6	25.2	22.6	22.7	31.3	37.8	33.1	33.1	27.2	
May	23.8	25.4	23.1	24.9	24.1	32.0	37.7	37.6	37.6	28.1	
Jun	18.9	22.8	24.7	27.4	21.0	30.5	40.4	34.2	34.2	26.8	
Jul	23.6	22.9	27.7	26.6	26.8	34.2	45.0	36.9	36.9	30.2	
Aug	26.0	25.3	24.0	30.6	29.0	37.9	49.8	39.1	39.1	32.2	
Sep	25.4	20.1	25.3	31.4	30.6	38.2	46.0	15.6	15.6	28.9	
Oct	19.0	13.3	15.6	27.0	24.3	34.4	40.3	17.0	17.0	23.6	
Nov	13.6	10.9	12.0	20.1	20.5	27.6	40.8	22.2	22.2	20.6	
Dec	13.0	10.7	15.6	16.9	23.2	34.3	39.5	27.4	27.4	22.1	
Jan 1985	16.3	14.5	16.1	21.6	21.5	29.4	38.0	28.9	28.9	23.0	
Feb	15.7	12.6	20.8	19.1	20.1	28.4	35.2	31.9	31.9	23.0	
Mar	4.7	9.5	15.5	14.9	20.2	26.7	36.4	27.9	27.9	18.6	
Apr	10.4	12.4	13.8	17.3	16.2	26.6	32.0	33.3	33.3	19.7	
May	14.2	16.6	13.2	13.0	12.2	22.2	36.6	33.4	33.4	19.6	
Jun	25.5	14.3	18.4	16.0	17.2	26.0	34.5	34.4	34.4	24.0	

Table D.6. Mean surface temperature (C) at sampled bag seine sites by bay system during October 1983-June 1985.
 ND = no data.

Month	Bay system																	
	Galveston		East Matagorda		Matagorda		San Antonio		Aransas		Corpus Christi		Upper Laguna Madre		Lower Laguna Madre		Coastwide	
Oct 1983	25.0	25.5	25.9	24.9	24.8	25.9	24.9	24.8	25.9	27.5	28.5	25.9	27.5	28.5	25.9	28.5	25.9	25.9
Nov	23.3	24.8	21.1	23.2	23.0	21.1	23.2	23.0	22.1	24.1	27.0	22.1	24.1	27.0	23.4	27.0	23.4	23.4
Dec	16.9	14.0	13.9	12.1	16.6	13.9	12.1	16.6	11.4	13.7	16.5	11.4	13.7	16.5	14.8	16.5	14.8	14.8
Jan 1984	12.9	11.2	12.1	9.8	12.7	12.1	9.8	12.7	12.1	12.4	13.2	12.1	12.4	13.2	12.2	13.2	12.2	12.2
Feb	17.0	15.3	14.5	15.6	16.1	14.5	15.6	16.1	16.0	15.6	17.5	16.0	15.6	17.5	16.1	17.5	16.1	16.1
Mar	20.0	20.5	20.6	16.4	22.2	20.6	16.4	22.2	20.5	20.3	20.7	20.5	20.3	20.7	20.1	20.7	20.1	20.1
Apr	24.3	19.9	22.2	23.2	23.8	22.2	23.2	23.8	22.5	26.0	24.3	22.5	26.0	24.3	23.7	24.3	23.7	23.7
May	26.2	26.2	26.7	25.5	26.8	26.7	25.5	26.8	27.3	28.5	27.6	27.3	28.5	27.6	26.8	27.6	26.8	26.8
Jun	31.3	27.8	29.7	27.9	29.3	29.7	27.9	29.3	28.4	30.1	28.0	28.4	30.1	28.0	29.5	28.0	29.5	29.5
Jul	31.2	28.8	30.1	28.5	29.6	30.1	28.5	29.6	28.2	30.6	29.8	28.2	30.6	29.8	29.9	29.8	29.9	29.9
Aug	31.2	28.4	30.6	29.1	28.9	30.6	29.1	28.9	28.7	30.4	29.3	28.7	30.4	29.3	29.9	29.3	29.9	29.9
Sep	28.6	29.3	28.2	27.0	28.7	28.2	27.0	28.7	27.1	28.6	29.1	27.1	28.6	29.1	28.3	29.1	28.3	28.3
Oct	26.5	26.4	23.3	23.2	23.2	23.3	23.2	23.2	25.7	23.0	27.2	25.7	23.0	27.2	24.8	27.2	24.8	24.8
Nov	18.0	21.9	21.5	18.3	21.4	21.5	18.3	21.4	21.2	19.0	19.8	21.2	19.0	19.8	19.8	19.8	19.8	19.8
Dec	19.0	21.3	16.1	18.0	21.1	16.1	18.0	21.1	22.1	22.0	19.2	22.1	22.0	19.2	19.4	19.2	19.4	19.4
Jan 1985	14.2	13.7	11.3	11.7	15.4	11.3	11.7	15.4	14.6	12.9	13.9	14.6	12.9	13.9	13.5	13.9	13.5	13.5
Feb	15.2	14.8	16.6	13.6	16.1	16.6	13.6	16.1	14.2	12.8	19.2	14.2	12.8	19.2	15.5	19.2	15.5	15.5
Mar	23.5	22.6	22.7	16.8	23.0	22.7	16.8	23.0	20.3	23.7	20.7	20.3	23.7	20.7	21.8	20.7	21.8	21.8
Apr	23.9	25.3	24.6	24.2	21.9	24.6	24.2	21.9	24.0	22.3	23.3	24.0	22.3	23.3	23.6	23.3	23.6	23.6
May	27.7	28.5	27.4	26.4	28.1	27.4	26.4	28.1	28.0	28.1	28.8	28.0	28.1	28.8	27.8	28.8	27.8	27.8
Jun	29.2	29.1	29.0	28.4	28.9	29.0	28.4	28.9	29.4	30.0	29.6	29.4	30.0	29.6	29.2	29.6	29.2	29.2

Table D.8. Mean surface turbidity (JTU) at sampled bag seine sites by bay system during October 1983-June 1985.
 ND = no data.

Month	Bay system														
	Galveston		East Matagorda		San Antonio		Aransas		Corpus Christi		Upper Laguna Madre		Lower Laguna Madre		Coastwide
Oct 1983	107	106	32	36	64	47	89	104	74						
Nov	91	79	58	33	44	35	35	41	54						
Dec	84	24	50	35	25	51	32	43	48						
Jan 1984	72	29	39	25	28	37	41	24	41						
Feb	55	42	40	25	28	33	88	24	43						
Mar	121	68	41	41	54	26	69	67	66						
Apr	174	31	28	38	57	53	112	85	85						
May	99	46	40	51	32	42	35	84	59						
Jun	95	72	35	28	45	37	93	70	62						
Jul	53	39	59	28	30	55	50	53	47						
Aug	87	29	27	41	32	43	125	35	56						
Sep	35	24	31	75	101	27	45	58	52						
Oct	48	35	51	35	34	50	82	71	52						
Nov	31	36	39	26	74	69	130	86	60						
Dec	30	57	63	27	56	41	109	74	55						
Jan 1985	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						

Table D.7. Mean surface dissolved oxygen (ppm) at sampled bag seine sites by bay system during October 1983-June 1985. ND = no data.

Month	Bay system									
	Galveston	East Matagorda	Matagorda	San Antonio	Aransas	Corpus Christi	Upper Laguna Madre	Lower Laguna Madre	Coastwide	
Oct 1983	10	8	8	9	9	9	7	8	9	
Nov	8	9	8	7	10	8	7	8	8	
Dec	8	8	9	8	12	10	5	10	9	
Jan 1984	12	9	12	10	14	11	8	8	11	
Feb	9	8	9	10	11	9	8	8	9	
Mar	8	9	9	10	9	8	7	9	8	
Apr	7	8	7	8	9	8	7	9	8	
May	7	9	8	8	9	10	7	8	8	
Jun	8	8	9	8	9	9	7	8	8	
Jul	7	8	9	7	6	8	7	8	7	
Aug	9	8	8	7	7	8	6	8	8	
Sep	9	8	7	12	7	8	5	10	8	
Oct	6	8	7	8	6	9	6	8	7	
Nov	10	9	8	9	9	9	6	10	9	
Dec	6	10	10	9	10	9	6	10	9	
Jan 1985	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	

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 October 1983-June 1985. Blank indicates no measurement taken.

Species Month	Bay system												Coastwide									
	Galveston			East 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	No./ha	Length		
Red drum																						
Oct 1983	7	30	2	55	0	0	0	0	0	0	0	0	3	195	0	0	0	0	0	0	2	93
Nov	87	40	3	54	0	0	0	0	14	56	0	0	31	34	0	2	2	21	0	0	26	43
Dec	127	50	58	45	37	64	0	0	31	54	0	0	0	0	0	10	10	42	0	0	39	51
Jan 1984	0		0		0		0		0		0		0		0	0	0	0	0	0	<1	45
Feb	13	58	0		0		0		0		0		21	67	0	2	2	54	0	0	4	59
Mar	33	68	2	74	0		0		4	94	0		10	92	0	8	8	83	0	0	10	82
Apr	0		0		17	113	0		10	152	0		0		0	4	4	126	0	0	6	133
May	7	157	0		7	144	0		41	194	8		8	122	0	0	0	0	0	0	4	154
Jun	0		0		0		0		0		0		0		0	0	0	0	0	0	0	0
Jul	0		0		0		0		0		0		2	195	0	0	0	0	0	0	<1	195
Aug	0		0		0		0		0		0		0		0	0	0	0	0	0	0	0
Sep	0		0		0		0		0		0		0		0	0	0	0	0	0	0	0
Oct	0		0		0		0		0		0		0		0	0	0	0	0	0	0	0
Nov	40	57	70	73	90	41	0		10	65	33	48	0		3	38	62	62	0	0	32	56
Dec	85	60	40	65	30	49	0		27	57	0		0		30	52	0	0	0	0	31	54
Jan 1985	5	65	20	79	20	62	0		103	59	40	49	0		0	23	76	76	0	0	27	65
Feb	5	79	7	99	0		0		7	77	20	73	10	72	33	33	90	90	0	0	12	79
Mar	10	109	47	122	17	108	0		83	94	10	91	0		17	17	104	104	0	0	25	101
Apr	10	172	3	130	20	132	0		10	130	13	108	0		10	10	131	131	0	0	14	134
May	7	174	10		19	171	0		7	175	7	133	0		3	3	130	130	0	0	6	160
Jun	0		0		7	177	0		10	165	0		0		0	3	176	176	0	0	3	173

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

Species	Bay system												Coastwide											
	Galveston			East			San Antonio			Aransas			Corpus Christi			Upper Laguna Madre		Lower Laguna Madre		Coastwide				
	Month	No./ha	Length	Matagorda	Matagorda	Length	San Antonio	San Antonio	Length	Aransas	Aransas	Length	Corpus Christi	Corpus Christi	Length	Upper Laguna Madre	Upper Laguna Madre	Length	Lower Laguna Madre	Lower Laguna Madre	Length	No./ha	Length	
Southern flounder																								
Oct 1983	3	167	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	167	
Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	<1	190	
Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Jan 1984	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Apr	7	66	12	2	31	2	0	0	6	28	10	43	10	32	5	33	2	32	2	32	4	4	35	
May	10	88	0	0	73	3	3	62	6	48	6	48	18	52	0	0	8	72	0	72	7	7	60	
Jun	3	64	0	0	65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	77	
Jul	3	89	2	0	0	0	3	70	4	57	2	202	0	0	0	0	0	0	0	0	2	2	64	
Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	145	
Sep	5	117	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Oct	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Nov	0	0	3	0	0	0	3	149	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Dec	0	0	0	0	0	0	0	0	3	161	0	0	0	0	0	0	0	0	0	0	0	0	0	
Jan 1985	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Feb	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Mar	43	50	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Apr	13	48	3	34	194	4	7	43	27	53	40	43	30	47	0	0	0	0	0	0	3	10	72	
May	0	0	10	90	0	0	0	0	0	0	0	0	3	129	3	71	7	54	7	54	2	2	86	
Jun	0	0	0	0	0	0	0	0	13	84	0	0	3	109	0	0	3	62	3	62	3	3	85	

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

Species	Bay system														Coastwide		
	Galveston		East Matagorda		San Antonio		Aransas		Corpus Christi		Upper Laguna Madre		Lower Laguna Madre			No./ha	Length
	No./ha	Length	No./ha	Length	No./ha	Length	No./ha	Length	No./ha	Length	No./ha	Length	No./ha	Length			
Gafftopsail catfish																	
Oct 1983	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
Jan 1984	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	0		0		0		0		0		0		0		0		0
Jun	0		0		0		0		0		0		0		0		0
Jul	0		0		0		0		0		0		0		0		0
Aug	0		0		0		0		0		0		0		0		0
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
Jan 1985	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		102
Jun	0		0		0		0		0		0		0		0		0

Gafftopsail catfish

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

Species Month	Bay system												Coastwide No./ha	Length												
	East			San Antonio			Aransas			Corpus Christi					Upper Laguna Madre			Lower Laguna Madre								
	Galveston	Matagorda	Matagorda	Matagorda	San Antonio	Aransas	Aransas	Corpus Christi	Upper Laguna Madre	Upper Laguna Madre	Lower Laguna Madre	Lower Laguna Madre			Coastwide	Length										
Oct 1983	0	7	64	17	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	62		
Nov	0	0	0	8	68	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	68	
Dec	70	2	63	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	45	
Jan 1984	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	32
Feb	123	0	0	33	34	0	0	86	31	0	0	0	0	5	32	0	0	0	0	0	0	0	0	44	31	32
Mar	6707	55	36	47	39	0	0	549	34	0	0	0	0	135	32	4	4	32	1599	1599	1599	1599	1599	1599	34	34
Apr	900	738	37	60	38	7226	36	2612	32	1945	29	102	39	58	32	32	32	32	1647	1647	1647	1647	1647	1647	34	34
May	2593	2690	39	1512	37	420	37	1516	42	3182	69	657	45	72	36	36	36	36	1517	1517	1517	1517	1517	1517	43	43
Jun	2443	120	47	125	55	2147	40	2878	45	15	53	135	47	456	67	67	67	67	1286	1286	1286	1286	1286	1286	49	49
Jul	4543	2	53	28	46	63	52	665	36	0	0	0	0	0	37	37	37	37	1107	1107	1107	1107	1107	1107	47	47
Aug	1720	0	0	98	57	37	46	0	0	0	0	0	0	2	43	0	0	0	393	393	393	393	393	393	54	54
Sep	470	963	64	2843	47	3113	57	60	85	23	74	483	67	10	76	76	76	76	1001	1001	1001	1001	1001	1001	67	67
Oct	190	1217	92	18,536	46	0	0	810	43	0	0	13	52	0	0	0	0	0	2983	2983	2983	2983	2983	2983	67	67
Nov	185	0	0	17	58	0	0	0	0	0	0	0	0	0	0	0	0	0	43	43	43	43	43	43	71	71
Dec	0	3	32	0	0	3	30	7	78	0	0	4	30	0	0	0	0	0	2	2	2	2	2	2	42	42
Jan 1985	5	0	0	3	63	0	0	7	32	0	0	0	0	0	0	0	0	0	3	3	3	3	3	3	43	43
Feb	10	650	42	0	0	0	0	0	0	10	38	20	23	53	34	34	34	34	35	35	35	35	35	35	35	35
Mar	1676	187	40	0	0	0	0	3	25	0	0	3	39	3	31	31	31	31	398	398	398	398	398	398	35	35
Apr	1313	327	34	3052	50	1883	38	163	42	23	34	287	38	103	35	35	35	35	1051	1051	1051	1051	1051	1051	38	38
May	1977	987	41	13,293	44	419	35	197	38	1423	37	50	34	20	32	32	32	32	2675	2675	2675	2675	2675	2675	38	38
Jun	747	20	56	20	45	9037	47	187	37	10	43	0	0	53	85	85	85	85	1274	1274	1274	1274	1274	1274	52	52

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

Species Month	Bay system																					
	East			San Antonio			Aransas			Corpus Christi			Upper Laguna Madre			Lower Laguna Madre			Coastwide			
	Calveston	Matagorda	Matagorda	Matagorda	San Antonio	Aransas	Aransas	Aransas	Corpus Christi	Upper Laguna Madre	Upper Laguna Madre	Upper Laguna Madre	Lower Laguna Madre	Lower Laguna Madre	Coastwide	Coastwide	Coastwide	Coastwide	Coastwide	Coastwide		
No./ha	No./ha	Length	No./ha	No./ha	Length	No./ha	Length	Length	No./ha	No./ha	Length	No./ha	Length	No./ha	Length	No./ha	Length	No./ha	Length	No./ha	Length	
Hardhead catfish																						
Oct 1983	10	97	147	95	5	93	7	138	2	91	3	107	6	91	2	132	10	106				
Nov	3	110	0	0	3	103	0	0	0	0	0	0	0	0	7	91	2	101				
Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Jan 1984	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	1	122				
Apr	3	122	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	122				
May	7	162	0	164	20	136	23	111	4	96	0	0	0	0	2	130	8	127				
Jun	50	131	72	0	23	130	3	111	10	158	17	118	6	136	6	136	21	136				
Jul	0	0	0	0	22	131	0	0	2	177	7	131	0	0	0	0	4	146				
Aug	250	74	0	0	62	83	13	128	7	83	52	62	42	59	16	69	78	80				
Sep	50	143	113	101	430	74	97	92	317	95	0	0	17	90	13	105	139	100				
Oct	5	93	167	104	73	97	63	82	53	91	3	111	7	133	187	97	59	101				
Nov	0	0	0	0	10	106	0	0	20	90	0	0	0	0	0	0	4	98				
Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Jan 1985	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Apr	0	0	0	0	0	0	0	0	10	136	0	0	0	0	3	158	2	147				
May	0	0	3	170	30	128	4	109	20	138	0	0	0	0	0	0	8	136				
Jun	10	131	10	133	37	142	7	138	7	126	0	0	0	0	17	162	12	139				

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

Species Month	Bay system																									
	Galveston			East 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			
Pinfish																										
Oct 1983	31	126		115	101	162	100	253	80	60	107	39	98	19	120	155	82		100	102						
Nov	33	125		65	104	0		100	90	28	97	98	85	15	99	52	91		43	99						
Dec	0			3	76	3	105	0		310	38	0		0		14	77		46	74						
Jan 1984	0			0		0		0		0		4	85	0		0			0							
Feb	0			0		0		10	25	2	73	0		0		0			0							
Mar	17	28		30	37	108	36	60	31	37	31	279	32	2	17	2	35		59	31						
Apr	240	40		188	42	397	55	310	46	2100	45	745	40	217	41	44	50		546	45						
May	617	46		333	50	13	60	397	52	1061	62	508	57	205	57	188	60		437	56						
Jun	947	53		562	60	102	71	527	69	382	78	225	62	237	70	310	66		445	66						
Jul	173	77		298	71	288	79	330	73	538	72	189	72	322	78	266	77		298	75						
Aug	217	92		270	87	57	118	263	80	218	100	122	76	167	110	230	87		188	94						
Sep	610	80		127	90	83	128	103	111	320	102	233	95	413	97	180	99		300	100						
Oct	30	118		100	97	73	122	59	92	240	106	15	106	117	109	133	112		94	108						
Nov	0			3	82	60	107	7	100	63	104	0		63	111	29	83		30	98						
Dec	0			0		0	86	3	104	3	104	0		15	115	10	92		4	74						
Jan 1985	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						

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

Species Month	Bay system												Coastwide								
	Galveston			East 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
Oct 1983	2148	95	470	76	737	84	1847	52	236	112	388	60	200	67	255	62	930	76			
Nov	1830	67	160	86	593	76	833	64	2588	48	682	56	760	57	1138	50	1253	63			
Dec	403	61	355	72	237	95	413	61	4976	52	221	66	772	50	198	51	1013	63			
Jan 1984	7880	55	552	65	697	113	115	58	4729	61	286	98	1882	40	200	52	2778	68			
Feb	183	54	888	54	492	55	1733	58	1273	51	325	50	1937	39	80	70	794	54			
Mar	603	62	1847	58	227	82	73	51	308	61	906	48	482	46	446	62	477	59			
Apr	320	62	270	66	253	69	123	67	1208	64	945	68	1300	58	204	69	564	65			
May	493	79	30	78	182	139	907	70	241	76	1086	63	522	69	252	77	470	81			
Jun	687	58	87	188	268	85	143	87	628	60	837	63	510	64	56	74	440	85			
Jul	650	75	737	54	533	75	773	54	1790	56	313	81	372	77	308	57	700	66			
Aug	997	83	390	82	548	72	207	65	1120	59	415	62	247	75	740	66	657	70			
Sep	765	80	177	108	663	64	2220	68	680	76	760	55	410	63	553	88	821	75			
Oct	350	73	470	68	450	94	860	68	753	70	900	39	523	73	240	78	541	70			
Nov	1880	62	1150	76	333	78	843	60	1077	78	1217	50	937	62	562	60	1042	66			
Dec	745	55	420	74	2637	60	4720	56	457	63	653	56	785	46	700	46	1441	57			
Jan 1985	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			

Other
finfishes

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

Species Month	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
Oct 1983	2534	95	600	87	992	95	2143	61	322	112	473	68	256	77	455	73	1152	84
Nov	2350	73	313	96	675	76	960	71	2853	64	843	62	790	59	1300	68	1475	71
Dec	960	51	593	84	253	92	520	67	5341	59	235	71	790	53	251	49	1218	66
Jan 1984	8043	55	587	71	717	111	122	63	4750	61	486	77	1882	39	222	50	2843	66
Feb	1207	38	913	54	858	53	2833	48	1939	44	929	38	2255	36	128	56	1394	46
Mar	10,057	42	2823	57	1912	56	413	39	2229	44	13,038	38	1655	50	4882	64	4947	49
Apr	4323	52	1685	51	2875	58	9113	50	10,154	57	6627	55	2460	57	4450	64	5403	56
May	7027	63	3778	54	2872	65	2610	62	3735	62	6994	62	3790	62	1718	68	4220	62
Jun	5397	62	1502	79	1193	78	3013	53	4636	69	1306	63	1867	66	2056	79	3015	69
Jul	5763	76	1350	72	1040	79	1197	61	3590	63	2002	76	1062	79	1870	75	2649	73
Aug	3507	82	845	88	915	79	607	78	1793	71	811	74	865	94	1828	83	1667	81
Sep	2205	82	1533	81	4170	69	5563	76	1780	89	1303	72	1930	80	1967	93	2672	80
Oct	1075	84	2037	95	19,407	54	1026	79	2443	77	1039	48	883	85	1013	96	4014	77
Nov	2135	63	1337	92	680	81	1000	62	1340	83	1277	51	1153	74	897	76	1286	73
Dec	910	54	477	74	3484	58	4780	56	537	62	667	56	967	46	717	47	1649	57
Jan 1985	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	15,860	68	1215	75	3157	65	2493	61	1017	55	1467	72	4279	64
Jun	4333	66	2713	80	2590	75	12,407	76	4687	61	2087	58	2140	62	1610	61	4202	67

Total
finfishes

