

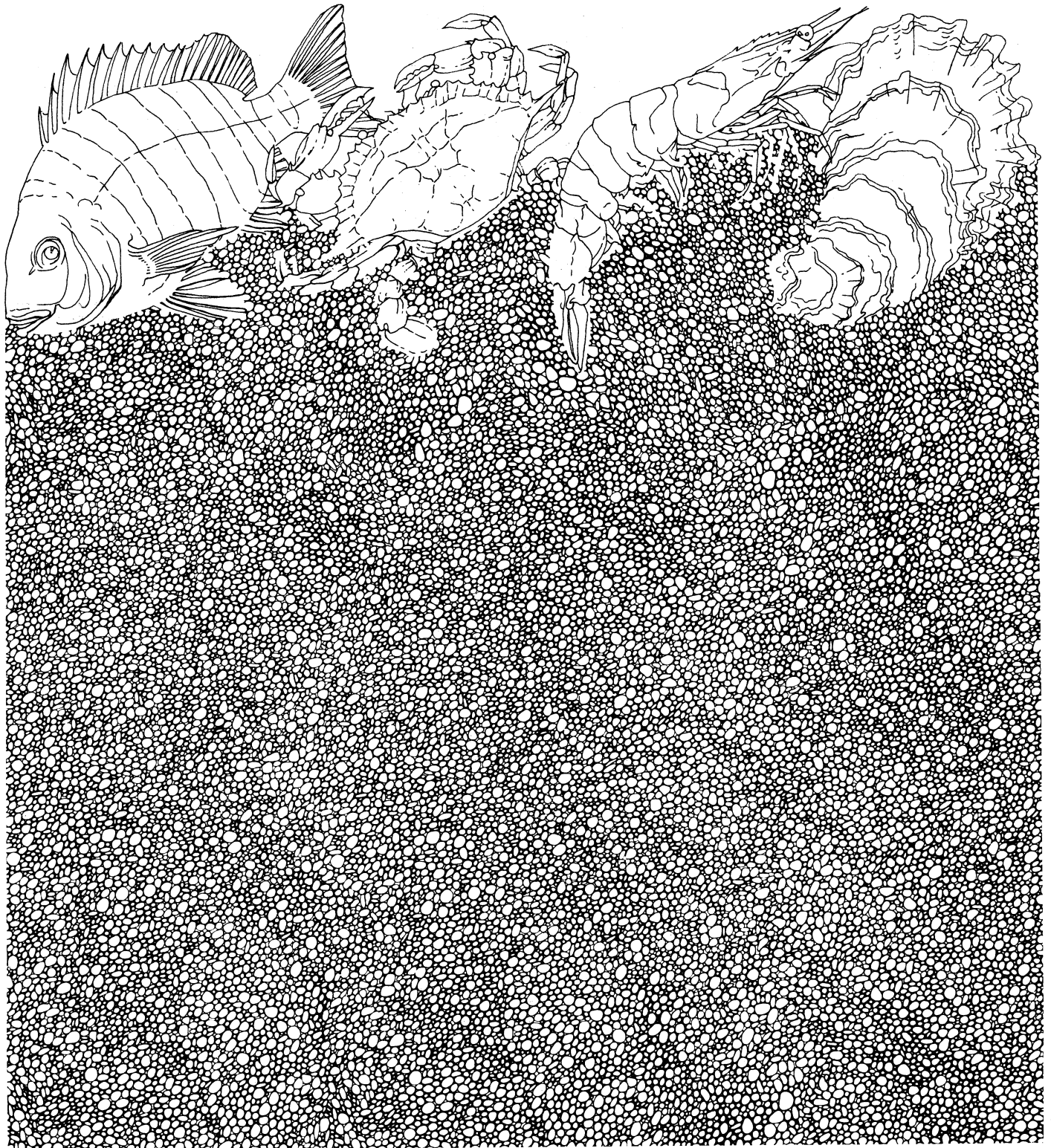
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Trends in Texas Commercial Fishery Landings, 1977-1985

by Hal R. Osburn, Gary E. Saul and C. L. Hamilton

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Texas Parks and Wildlife Department
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ABSTRACT

The Texas Parks and Wildlife Department in cooperation with the National Marine Fisheries Service collects data on commercially landed finfish and shellfish from Texas bays and from the Gulf of Mexico off Texas.

Shrimp continue to be the most important commercial seafood product in Texas. They comprised 82% of the weight and 92% of the ex-vessel value of total seafood landings, while Eastern oyster, blue crab and finfish accounted for 18% of the total weight landed and 8% of the ex-vessel value in 1985. Total reported landings in 1985 were 100,299,900 lb with an ex-vessel value of \$176,031,900. This is the fourth highest poundage and value recorded since 1977.

Since 1977, the mean price/lb paid to commercial fishermen increased for all species except for "other" shrimp and "other" finfish. With the exception of shrimp, prices of finfish and shellfish increased from 1984 to 1985.

INTRODUCTION

Gulland (1977) emphasized the importance to the fishery manager of knowing the landings of a marine resource. Landings data from both recreational and commercial fishermen are required to assess the needs for and the impacts of saltwater fishing regulations. Economic and sociologic information can also be inferred from landings data to allow for management based on the concept of optimum sustainable yield (Radovich 1975). Annual recreational fish landings in Texas have been estimated since 1974 based on on-site interviews at fishing access sites (Osburn and Ferguson 1986).

Commercial landings of marine species from Texas bays and the Gulf of Mexico (Gulf) off Texas (Fig. 1) have been collected from seafood dealers since 1887 (Perret et al. 1980). These early data were collected sporadically until 1936 when annual surveys were initiated (Game, Fish and Oyster Commission 1937). Since 1936, the Texas Parks and Wildlife Department (TPWD) has monitored the landings and value of the marine fishes, oysters, crabs and shrimp through a mandatory self-reporting system known as the Monthly Marine Products Report (MMPR, Fig. 2) which is completed by seafood dealers. Since 1956, the National Marine Fisheries Service (NMFS) has collected landings data on shrimp through dealer reports and shrimp vessel crew interviews (Prytherch 1980) while TPWD continued to collect data on fishes, crabs and oysters. Informal data exchange between agencies has permitted the compilation of total self-reported landings of marine species. Beginning 1 April 1985, TPWD and NMFS instituted a formal cooperative agreement to collect and exchange commercial fisheries statistics (Fig. 3).

From 1977-1981, additional landings information, including daily landings by species, was required of commercial finfish fishermen through the use of Individual Sales Transaction (IST) forms (Fig. 4). The use of the IST form was discontinued in March 1982 by the Texas Parks and Wildlife Commission because the data were inaccurate and the reporting system was largely duplicative (Green and Thompson 1981).

This report presents the landings and ex-vessel value of self-reported transactions from seafood dealers to TPWD, and landings and ex-vessel value data collected by NMFS, from 1977 through 1985.

MATERIALS AND METHODS

Licensed seafood dealers were required to complete an MMPR listing the total weight and price paid for each species (Table 1) purchased from commercial fishermen each month. MMPRs were due to TPWD on or before the 10th day of each month and detailed the preceding month's transactions. The Division of Statistics-Market News, NMFS, collected shrimp and menhaden landings and value data. Shrimp landings reported on MMPRs were provided to NMFS and landings of shrimp and finfish gathered by NMFS were provided to TPWD.

Each MMPR was checked by TPWD personnel for completeness. Necessary corrections were made after contacting each dealer by telephone where possible or in person as needed. All seafood products, except Eastern oyster (Crassostrea virginica), which were not reported in live weight by dealers were converted to live weight (round weight) using conversion factors listed in Appendix A. Eastern oyster landings were converted to meat weight (Appendix A, Table A.3).

Landings of Eastern oyster from leases were reported by leaseholders through MMPRs, monthly landings forms submitted to the Seabrook office of TPWD (Fig. 5) and annual summary forms (Fig. 6) submitted to the Austin Headquarters of TPWD. In the case of discrepancies between monthly and annual summaries, the highest values for landings were used. Eastern oyster landings presented in this report, except for Appendix G, represent MMPR data only and are comprised of landings from both private leases and public reefs. Eastern oyster landings in Appendix G are from private leases only.

Gulf shrimp landings at Texas ports as reported to TPWD by the Division of Statistics-Market News, NMFS, may include the landings of shrimp from waters of other states and countries as well as those of Texas. NMFS reports shrimp landings from shrimp fishing grid zones located in particular geographical areas, including Texas, in their publication Gulf Coast Shrimp Data. Gulf shrimp landings in this report are pooled for all grid zones off Texas. Monthly shrimp landings for 1979 through 1985, as reported to TPWD by NMFS, are preliminary data and may be revised.

Any difference in this report compared to previous reports is due to updating of the data base and the most recent report should be considered the most accurate. Except where noted, data are reported by calendar year.

RESULTS

Over 100,000,000 lb of seafood valued at over \$176,000,000 were commercially landed in Texas in 1985 (Tables 2 and 3). Shrimp constituted 82% of the weight and 92% of the ex-vessel value of all species landed in 1985. Eastern oyster, blue crab (Callinectes sapidus), and finfish comprised 18% of the total pounds landed in 1985 and 5%, 2% and 1% of the total ex-vessel value, respectively. Total weight landed of finfish and shellfish in 1985 was within the range reported from 1977 through 1984 (Table 2). The total value for 1985 was lower than that reported for the last three consecutive years (Table 3).

Brown shrimp (Penaeus aztecus), pink shrimp (P. duorarum) and white shrimp (P. setiferus) constituted 80-91% of all shellfish landings in all years (Table 2). From 1977 to 1985, brown and pink shrimp landings fluctuated between 50,459,300 lb and 78,494,000 lb, while white shrimp landings ranged from 14,235,300 lb to 27,952,100 lb. The value of brown and pink shrimp generally increased from \$100,815,900 in 1977 to over \$131,000,000 in 1981 and 1982 (Table 3). The value of white shrimp ranged from \$24,627,200 in 1977 to \$53,607,100 in 1984. The 1985 Eastern oyster

landings of 5,044,200 lb valued at \$8,590,800 were the second highest landings and value on record. Blue crab landings (6,952,000 lb - 9,705,700 lb) and values (\$1,928,500 - \$3,304,000) have remained relatively stable but were highest in 1985. From 1984 to 1985 stone crab (Menippe mercinaria) landings increased by 116,200 lb (510%) and \$97,100 (678%) in value (Tables 8, 9, 14 and 15).

From 1977 to 1981 red drum (Sciaenops ocellatus), spotted seatrout (Cynoscion nebulosus) and black drum (Pogonias cromis) constituted 71-73% of the pounds and 70-80% of the value of all finfish landings (Tables 4-7, 12 and 13). The 67th Legislature prohibited the sale of red drum and spotted seatrout effective 1 September 1981. During 1985, black drum, flounder (Paralichthys sp.) and snapper (Lutjanidae) constituted 54% of all finfish landings and 77% of all finfish values. From 1984 to 1985, landings of black drum decreased 267,100 lb (30%) and decreased \$29,500 (7%) in value; flounder increased 57,800 lb (15%) and increased \$88,500 (25%) in value; and snapper increased 179,900 lb (40%) and increased \$357,000 (44%) in value (Tables 2 and 3).

In each year, shrimp were the primary species landed from the bays and Gulf. In the bays, they constituted 48-62% of the total weight landed and 54-76% of the total value during each year; in the Gulf, shrimp constituted approximately 99% of both the total weight and total value during each year (Tables 4, 5, 10 and 11). Over 80% of the pounds of total shrimp landed valued at more than \$146,000,000 in 1985 were caught in the Gulf; the remainder valued at more than \$15,000,000 were caught in Texas bays. Over 84% of the brown and pink shrimp valued at \$107,535,600 and 71% of the white shrimp valued at \$38,360,800 were caught in the Gulf in 1985. Almost 57% of the total landings of finfish valued at \$913,000 were caught in Texas bays; the remainder valued at \$1,713,800 were caught in the Gulf.

The mean price/lb paid to commercial fishermen has generally increased for all species since 1977 except for "other" shrimp which decreased from \$1.11/lb in 1977 to \$0.27/lb in 1985 and "other" finfish which decreased from \$0.47/lb in 1977 to \$0.44/lb in 1985 (Tables 16 and 17). The price for snapper in 1985 was a record high (\$1.86/lb) and increased \$0.05/lb (3%) from 1984. The price for flounder (\$1.00/lb), sheepshead (Archosargus probatocephalus) (\$0.22/lb), and black drum (\$0.66/lb) increased \$0.08/lb (9%), \$0.01/lb (5%), and \$0.16/lb (32%), respectively, from 1984 to 1985. The price for brown and pink shrimp (\$1.97/lb) decreased \$0.06/lb (3%) and the price for white shrimp (\$1.97/lb) decreased \$0.34/lb (15%) in the past year. The price for blue crab (\$0.34/lb) increased \$0.09/lb (36%) while the price for oyster meat (\$1.70/lb) increased \$0.09/lb (6%) from 1984. The price for stone crab (\$0.82/lb) increased \$0.12/lb (17%) in the past year.

Weight and ex-vessel value of commercial landings reported during 1977-1985 are presented for Texas bay systems in Appendix B and for grid zones of the Gulf in Appendix C. The weight and value of 1985 seafood landings in Texas bay systems were highest in the Galveston Bay system; the weight of landings other than shrimp in the Gulf was highest in grid

zone 19.0 (offshore of the Matagorda and San Antonio Bay systems) while the value was highest in grid zone 21.0 (offshore of the lower Laguna Madre system).

Monthly summaries of landings and ex-vessel values for Texas bay systems and for grid zones of the Gulf during 1985 are presented in Appendices D and E, respectively. Weight and value varied among bay systems and grid zones by month and species. Nearly 58% of the weight and 52% of the value of brown and pink shrimp from the Gulf in 1985 was landed during July - September. Over 53% of the weight and 49% of the value of white shrimp from the Gulf in 1985 was landed during September - November.

Annual weight and value of menhaden (*Brevoortia* sp.) caught off Texas but landed commercially in Louisiana during 1977-1985 are presented in Appendix F. Weight and value have annually averaged 93,444,700 lb and \$3,799,800, respectively.

Annual volume of Eastern oyster transplanted to and landings and value from private oyster leases in Texas bays during 1977-1985 are presented in Appendix G. Lease numbers and acreage have generally increased since 1977, but weight and value of landings have fluctuated widely among years.

The number of commercial licenses sold in Texas in each fiscal year (September-August) from 1956 to 1985 are presented in Appendix H. Retail fish dealer licenses sold in 1985 (2,683) decreased 55% from 1984; wholesale fish licenses (251) decreased 36%.

DISCUSSION

Commercial fishing continues to be an important industry in Texas. Approximately 96,000,000 lb of landed seafood worth about \$167,000,000 in ex-vessel value alone are reported annually. Using an expansion factor of approximately 3 (Grubb 1973), the total economic impact of this industry at the wholesale level in Texas approximates one-half billion dollars annually. This does not include over 93,000,000 lb of menhaden worth nearly \$3,800,000 that are annually caught off Texas but landed in Louisiana.

Brown shrimp is the single most valuable species in the commercial fishery. Although landings of brown shrimp are not reported separately from those of pink shrimp, Christmas and Etzold (1977) have estimated that brown shrimp constitute about 95% of the landings of these two species combined. The value of the bay fishery relies primarily on white shrimp followed by brown and pink shrimp, Eastern oyster, blue crab and finfish.

Although commercial landings data have been used to determine the relative abundance of the resource, several assumptions must be made. In particular, the amount of inaccurate or incomplete reporting is typically unknown and must be considered constant when making temporal or spatial comparisons. Different reporting requirements can affect the amount of non-reporting and, thus, an estimate of relative abundance based on reported landings (Green and Thompson 1981). The problem of non-reporting by seafood dealers is seldom considered by fisheries managers when using

commercial landings data as the basis for management decisions (Cushing 1970).

Deficiencies in reporting requirements and subsequent enforcement also affect the utility of commercial landings data. The 69th Legislature did enact, effective 1 September 1985, increased penalties of \$10-\$200 with the possibility of license forfeiture for failure to file a required report (Anonymous 1985). Present Texas law, however, makes it difficult to assure that all commercial landings are reported; for example, (1) those who purchase seafood products directly from commercial fishermen without the intent to resell the products are exempt from reporting, and (2) seafood products landed but not bought or handled by Texas dealers (i.e., shipped and sold out of state) are exempt from being reported. Another deficiency in the present reporting system is that the MMPRs do not provide estimates of commercial fishing effort by gear type for each species landed. These inconsistencies limit the use of these commercial data for fisheries management purposes.

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Table 1. List of common and scientific names of species caught or landed in Texas.

Common name	Scientific name ^a
FINFISH	
Atlantic croaker	<u>Micropogonias undulatus</u>
Atlantic moonfish	<u>Selene setapinnis</u>
Atlantic spadefish	<u>Chaetodipterus faber</u>
Black drum	<u>Pogonias cromis</u>
Cobia	<u>Rachycentron canadum</u>
Codfish	Family Gadidae
Dolphin	<u>Coryphaena hippurus</u>
Flounder	
Gulf flounder	<u>Paralichthys albiquetta</u>
Southern flounder	<u>Paralichthys lethostigma</u>
Florida pompano	<u>Trachinotus carolinus</u>
Gafftopsail catfish	<u>Bagre marinus</u>
Greater amberjack	<u>Seriola dumerila</u>
Grouper	
Black grouper	<u>Mycteroperca bonaci</u>
Jewfish	<u>Epinephelus itajara</u>
Nassau grouper	<u>Epinephelus striatus</u>
Scamp	<u>Mycteroperca phenax</u>
Warsaw grouper	<u>Epinephelus nigritus</u>
Yellowedge grouper	<u>Epinephelus flavolimbatus</u>
Yellowfin grouper	<u>Mycteroperca venenosa</u>
Yellowmouth grouper	<u>Mycteroperca interstitialis</u>
Gulf butterflyfish	<u>Peprilus burti</u>
Kingfish	
Gulf kingfish	<u>Menticirrhus littoralis</u>
Southern kingfish	<u>Menticirrhus americanus</u>
Mackerel	
King mackerel	<u>Scomberomorus cavalla</u>
Spanish mackerel	<u>Scomberomorus maculatus</u>
Menhaden	<u>Brevoortia sp.</u>
Mullet	
Striped mullet	<u>Mugil cephalus</u>
White mullet	<u>Mugil curema</u>
Red drum	<u>Sciaenops ocellatus</u>
Sand seatrout	
Sand seatrout	<u>Cynoscion arenarius</u>
Silver seatrout	<u>Cynoscion nothus</u>
Shark	
Atlantic sharpnose	<u>Rhizoprionodon terraenovae</u>
Blacktip	<u>Carcharhinus limbatus</u>
Bull	<u>Carcharhinus leucas</u>
Great hammerhead	<u>Sphyrna mokarran</u>
Shortfin mako	<u>Isurus ocyrinchus</u>
Sheepshead	<u>Archosargus probatocephalus</u>

Table 1. (Cont'd).

Common name	Scientific name ^a
Snapper	
Lane snapper	<u>Lutjanus synagris</u>
Red snapper	<u>Lutjanus campechanus</u>
Vermilion snapper	<u>Rhomboplites aurorubens</u>
Spotted seatrout	<u>Cynoscion nebulosus</u>
Swordfish	<u>Xiphias gladius</u>
Tilefish	<u>Lopholatilus chamaeleonticeps</u>
Tuna	
Blackfin tuna	<u>Thunnus atlanticus</u>
Bluefin tuna	<u>Thunnus thynnus</u>
Yellowfin tuna	<u>Thunnus albacares</u>
SHELLFISH	
Atlantic bay scallop	<u>Argopecten irradians</u>
Crab	
Blue crab	<u>Callinectes sapidus</u>
Stone Crab	<u>Menippe mercinaria</u>
Eastern oyster	<u>Crassostrea virginica</u>
Shrimp	
Brown shrimp	<u>Penaeus aztecus</u>
White shrimp	<u>Penaeus setiferus</u>
Pink shrimp	<u>Penaeus duorarum</u>
Other shrimp	
Rock shrimp	<u>Sicyonia brevirostris</u>
Royal red shrimp	<u>Hymenopenaeus robustus</u>
Seabob	<u>Xiphopenaeus kroyeri</u>
Squid	
Brief squid	<u>Lolliguncula brevis</u>
Long-finned squid	<u>Loligo pealei</u>

^a Scientific names provided by Robins et al. (1980), Christmas and Etzold (1977), Hofstetter (1977) Leary (1967) and Rathjen (1973).

Table 2. Texas commercial finfish and shellfish landings (lb x 1000) during 1977-1985. Data based on MMPR.

Year	Finfish						Shellfish						Grand Total		
	Black drum	Flounder	Sheepshead	Snapper	Other	Total	Shrimp			Blue crab	Eastern Oyster	Other		Total	
							Brown and pink	White	Other						
1977	1,453.5	310.9	293.9	440.0	2,795.8	5,294.1	71,897.5	19,420.2	260.3	91,578.0	8,248.6	2,600.5	13.8	102,440.9	107,735.0
1978	1,785.5	237.1	327.9	388.3	2,447.7	5,186.5	62,329.7	21,464.7	332.3	84,126.7	7,469.6	1,907.0	15.5	93,518.8	98,705.3
1979	1,531.4	232.5	406.1	214.7	2,163.8	4,548.3	50,459.3	16,474.2	719.2	67,652.7	8,311.5	888.8	0.9	76,853.9	81,402.2
1980	1,058.4	194.9	473.5	231.6	2,392.4	4,351.1	58,332.0	14,235.3	1,330.2	73,897.5	8,953.0	1,738.5	0	84,589.0	88,940.1
1981	663.8	130.5	202.8	165.9	1,513.5	2,676.5	78,494.0	16,160.5	1,075.7	95,730.2	6,952.0	1,309.4	0	104,071.6	106,748.1
1982	1,249.0	535.9	322.4	369.6	524.0	3,000.9	51,386.4	18,288.1	1,211.1	70,885.6	8,009.9	3,633.1	13.4	82,542.0	85,542.9
1983	1,492.8	474.3	275.9	261.9	425.6	2,930.5	50,707.3	20,369.5	916.9	71,993.7	8,829.1	7,940.8	7.8	88,771.4	91,701.9
1984	900.2	380.1	179.2	452.5	367.1	2,279.1	62,051.7	27,952.1	232.5	90,236.3	7,206.6	5,033.1	46.0	102,522.0	104,801.1
1985	633.1	437.9	182.5	632.4	1,252.4	3,138.3	57,432.1	24,202.3	606.1	82,240.5	9,705.7	5,044.2	171.3	97,161.6	100,299.9

54 3390.0
 $\bar{Y} = 60376.7$
 1940.8

Table 3. Texas commercial finfish and shellfish ex-vessel value (\$ x 1000) during 1977-1985. Data based on MMPR.

Year	Finfish						Shellfish						Grand Total		
	Black drum	Flounder	Sheepshead	Snapper	Other	Total	Shrimp			Blue crab	Eastern Oyster	Other		Total	
							Brown and pink	White	Other						
1977	399.8	170.8	28.8	420.9	1,324.5	2,339.2	100,815.9	24,627.2	235.2	125,678.3	1,946.7	2,991.7	4.2	130,620.9	132,960.1
1978	607.5	173.2	39.2	403.5	1,447.7	2,671.1	101,798.7	38,837.6	344.6	140,980.9	2,003.8	2,205.6	4.4	145,194.7	147,865.8
1979	602.3	190.1	55.8	261.6	1,518.6	2,648.4	117,273.3	34,687.5	381.0	152,305.8	2,146.1	1,048.7	0.2	155,500.8	158,149.2
1980	539.8	153.7	66.5	351.3	2,044.5	3,155.8	113,972.9	25,637.8	433.2	140,043.9	2,455.8	2,692.3	0	145,192.0	148,347.8
1981	378.1	138.3	42.0	267.8	1,487.4	2,313.6	133,226.9	31,774.9	317.9	165,319.7	1,928.5	2,150.7	0	169,398.9	171,712.5
1982	782.5	521.4	79.7	669.2	136.8	2,189.6	131,658.5	43,724.9	504.4	175,887.8	2,375.1	5,313.7	5.0	183,581.6	185,771.2
1983	971.0	445.6	66.0	383.5	118.5	1,984.6	125,430.4	45,682.8	330.6	171,443.8	3,250.3	11,336.7	3.2	186,034.0	188,018.6
1984	449.3	351.0	36.8	818.8	119.6	1,775.5	125,724.7	53,607.1	198.5	179,530.3	2,242.6	8,118.4	22.9	189,914.2	191,689.7
1985	419.8	439.5	40.9	1,175.8	550.8	2,626.8	113,421.2	47,796.6	164.9	161,382.7	3,304.0	8,590.8	127.6	173,405.1	176,031.9

Table 4. Weight (lb x 1000) of each species landed commercially from Texas bay systems during 1977-1985. Data based on MMPR.

Year	Finfish										Shellfish						Grand Total		
	Atlantic					Gulf of Mexico					Shrimp			Other					
	Flounder	Croaker	Gafftopsail catfish	Sheepshead	Mullet	Other	Unclassified Food	Scrap	Total	Brown and pink	White	Other	Total	Blue crab	Eastern Oyster	Other		Total	
1977	1,390.7	210.4	30.0	60.8	260.0	7.8	2,148.3	44.1	140.5	4,292.7	4,711.1	9,391.4	1.6	14,104.1	8,237.4	2,600.5	5.3	24,947.3	29,240.0
1978	1,752.3	192.7	19.8	50.4	317.0	8.1	1,983.9	80.0	51.6	4,455.8	5,089.4	8,293.2	0	13,382.6	7,467.8	1,907.0	4.3	22,761.7	27,217.5
1979	1,504.7	206.8	16.4	39.0	383.5	82.5	1,595.9	81.9	44.8	3,955.5	7,194.3	8,027.7	0	15,222.0	8,311.0	888.8	0.3	24,422.1	28,377.6
1980	1,047.2	149.8	13.6	45.3	466.4	87.3	2,044.9	31.0	44.8	3,930.3	8,031.4	6,813.2	4.7	14,849.3	8,949.3	1,738.5	0	25,537.1	29,467.4
1981	649.5	101.8	2.2	6.9	193.7	85.2	1,240.8	19.3	9.7	2,309.1	7,156.3	6,096.0	0	13,252.3	6,945.6	1,389.4	0	21,587.3	23,896.4
1982	1,224.5	439.4	60.4	15.7	303.6	137.7	51.5	23.2	45.1	2,301.1	6,837.4	7,435.9	0.5	14,273.8	8,007.2	3,633.1	10.1	25,924.2	28,225.3
1983	1,480.8	399.4	19.5	37.5	272.2	100.1	15.0	42.1	71.5	2,438.1	10,050.2	8,033.3	0	18,083.5	8,794.0	7,940.7	2.6	34,820.8	37,258.9
1984	869.3	301.1	1.8	22.1	168.1	74.0	8.5	19.0	54.4	1,518.3	11,719.0	10,509.6	0.2	22,228.8	7,179.3	5,033.1	28.9	34,470.1	35,988.3
1985	621.7	365.8	35.8	27.2	156.9	253.5	13.2	48.3	250.9	1,773.3	9,178.0	7,101.5	3.0	16,282.5	9,674.7	5,044.2	153.5	31,154.9	32,928.2

Table 5. Ex-vessel (\$ x 1000) of each species landed commercially from Texas bay systems during 1977-1985. Data based on MMPR.

Year	Finfish										Shellfish						Grand Total		
	Atlantic					Gulf of Mexico					Shrimp			Other					
	Flounder	Croaker	Gafftopsail catfish	Sheepshead	Mullet	Other	Unclassified Food	Scrap	Total	Brown and pink	White	Other	Total	Blue crab	Eastern Oyster	Other		Total	
1977	387.8	121.7	3.3	9.7	23.3	1.6	1,149.1	8.5	18.9	1,724.0	2,823.7	8,270.3	0.3	11,094.3	1,944.5	2,991.7	1.8	16,032.3	17,756.2
1978	600.7	149.1	2.2	12.2	37.6	0.9	1,333.5	15.5	6.0	2,157.7	1,917.8	10,693.1	0	12,610.9	2,003.6	2,205.6	1.2	16,821.3	18,979.0
1979	593.5	173.6	2.7	8.6	52.0	7.7	1,345.4	14.4	4.0	2,201.9	6,095.0	11,111.8	0	17,206.8	2,146.5	1,048.7	0.1	20,401.6	22,603.5
1980	536.7	122.6	1.8	10.3	65.1	6.3	1,930.7	10.1	5.5	2,689.1	6,830.8	10,067.5	1.4	16,899.7	2,455.0	2,692.3	0	22,047.0	24,736.1
1981	373.6	117.7	0.5	1.6	40.3	5.8	1,387.2	5.2	1.3	1,933.2	4,157.5	7,233.7	0	11,391.2	1,926.8	2,150.7	0	15,468.7	17,401.9
1982	773.5	439.0	10.6	4.2	74.7	14.5	12.2	7.5	5.0	1,341.2	5,621.2	12,924.0	0.2	18,545.4	2,374.3	5,313.7	4.0	26,237.4	27,578.6
1983	965.4	394.4	4.2	7.8	65.1	11.1	5.1	16.6	10.8	1,480.5	12,022.0	12,608.8	0	24,630.8	3,239.6	11,336.7	1.3	39,208.3	40,688.8
1984	440.0	295.4	0.5	5.3	34.3	8.3	4.1	6.2	7.6	801.7	8,964.2	13,311.6	0.3	22,276.1	2,235.6	8,118.4	16.9	32,647.0	33,448.7
1985	413.9	378.9	6.6	6.8	36.2	25.4	6.3	20.3	18.4	913.0	5,885.6	9,435.8	0.8	15,322.2	3,295.4	8,590.8	117.8	27,326.3	28,239.3

Table 6. Weight (lb x 1000) of "other" finfish species landed commercially from Texas bay systems during 1977-1985. Data based on WMPR.

Species	Year									
	1977	1978	1979	1980	1981	1982	1983	1984	1985	
Atlantic moonfish	0	0	0	0	0	0	0	0	0	0.1
Atlantic spadefish	0	0	0	0	0	0	0	0	0.5	0
Florida pompano	0.4	0.5	2.1	0.4	0.2	0.2	5.1	2.0	2.7	2.7
Kingfish, unclassified	6.6	4.8	7.9	6.2	2.7	47.9	8.7	2.2	6.2	6.2
Mackerel	0	0	0	0	0	0	0	0.1	1.0	1.0
Red drum	899.8	853.5	676.9	1,106.4	604.3	0	0	0	0	0
Sand seatrout	6.5	6.4	9.8	3.5	16.2	3.6	1.2	3.6	2.6	2.6
Shark, unclassified	0	0	0	0	0	0	0	0.1	0.6	0.6
Spotted seatrout	1,235.0	1,118.6	899.3	928.3	617.2	0	0	0	0	0
Total	2,148.3	1,983.8	1,596.0	2,044.8	1,240.6	51.7	15.0	8.5	13.2	13.2

Table 7. Ex-vessel value (\$ x 1000) of "other" finfish species landed commercially from Texas bay systems during 1977-1985. Data based on MMPR.

Species	Year									
	1977	1978	1979	1980	1981	1982	1983	1984	1985	
Atlantic moonfish	0	0	0	0	0	0	0	0	0	<.1
Atlantic spadefish	0	0	0	0	0	0	0	0	0.2	0
Florida pompano	0.2	0.5	2.6	0.6	0.3	0.4	2.4	1.1	2.6	2.6
Kingfish, unclassified	1.2	0.8	1.8	1.1	0.7	10.6	2.1	0.6	1.8	1.8
Mackere1	0	0	0	0	0	0	0	<.1	0.6	0.6
Red drum	483.9	588.3	564.2	1,016.5	683.8	0	0	0	0	0
Sand seatrout	3.6	3.9	6.6	1.4	2.5	1.2	0.6	2.1	1.0	1.0
Shark, unclassified	0	0	0	0	0	0	0	<.1	0.3	0.3
Spotted seatrout	660.2	739.8	770.4	911.1	699.9	0	0	0	0	0
Total	1,149.1	1,333.3	1,345.6	1,930.7	1,387.6	12.2	5.1	4.0	6.3	6.3

Table 8. Weight (1b x 1000) of "other" shellfish species landed commercially from Texas bay systems during 1977-1985. Data based on MMPR.

Species	Year								
	1977	1978	1979	1980	1981	1982	1983	1984	1985
Atlantic bay scallop	0	0	0	0	0	0	0	0	0.1
Squid	5.3	4.3	0.3	0	0	10.1	2.6	10.0	17.6
Stone crab	0	0	0	0	0	0	0	18.9	135.8
Total	5.3	4.3	0.3	0	0	10.1	2.6	28.9	153.5

Table 9. Ex-vessel (\$ x 1000) of "other" shellfish species landed commercially from Texas bay systems during 1977-1985. Data based on MMPR.

Species	Year								
	1977	1978	1979	1980	1981	1982	1983	1984	1985
Atlantic bay scallop	0	0	0	0	0	0	0	0	0.4
Squid	1.8	1.2	0.1	0	0	4.0	1.3	3.7	7.3
Stone crab	0	0	0	0	0	0	0	13.2	110.2
Total	1.8	1.2	0.1	0	0	4.0	1.3	16.9	117.8

Table 10. Weight (lb x 1000) of each species landed commercially from the Gulf of Mexico during 1977-1985. Data based on MMPR.

Year	Finfish											Shellfish									
	Black drum	Flounder	Gafftopsail catfish	Sheepshead	Kingfish	Mullet	Cobia	Grouper	Snapper	Other	Unclassified Food Scrap	Shrimp			Blue crab	Other	Total				
												Brown and pink	White	Other							
1977	62.8	100.5	13.4	33.7	26.8	0.9	20.0	22.0	440.0	166.3	72.0	43.0	1,001.4	67,186.4	10,028.8	258.7	77,473.9	11.2	8.5	77,493.6	78,495.0
1978	33.2	44.5	27.1	10.9	19.8	28.3	13.7	39.9	428.5	61.7	27.4	36.1	730.7	57,240.3	13,171.5	332.3	70,744.1	1.8	11.2	70,757.1	71,487.8
1979	26.7	25.7	0.4	22.6	8.8	28.8	7.7	14.3	214.7	149.5	31.0	62.6	592.8	43,265.0	8,446.5	719.2	52,430.7	0.5	0.9	52,432.1	53,024.9
1980	11.2	45.1	0.4	7.1	13.3	4.4	2.2	23.1	231.6	61.5	12.1	8.8	420.8	50,300.6	7,422.2	1,325.6	59,048.4	3.6	0	59,052.0	59,472.8
1981	14.3	28.7	2.6	9.2	13.5	10.4	13.7	29.8	165.9	40.2	34.4	4.7	367.4	71,337.7	10,064.5	1,075.7	82,478.0	6.4	0	82,484.3	82,851.7
1982	24.5	96.5	1.4	18.8	25.2	3.2	24.1	64.8	369.6	4.0	67.1	0.7	699.9	44,549.0	10,852.3	1,210.6	56,611.9	2.7	3.4	56,618.0	57,317.9
1983	12.0	75.0	5.8	3.7	11.5	20.4	17.2	34.8	261.9	1.1	47.5	1.6	492.5	40,657.1	12,336.2	916.9	53,910.2	35.1	5.2	53,950.4	54,442.9
1984	30.9	79.0	4.8	11.2	14.9	9.8	12.7	33.1	452.5	80.2	29.2	2.6	760.8	50,332.7	17,442.5	232.4	68,007.6	27.3	20.9	68,055.8	68,816.4
1985	11.4	72.1	15.3	25.6	20.0	42.7	6.0	250.4	632.4	214.5	67.0	7.5	1,364.9	48,254.1	17,100.7	603.2	65,958.0	31.0	17.8	66,006.8	67,371.7

Table 11. Ex-vessel (\$ x 1000) of each species landed commercially from the Gulf of Mexico during 1977-1985. Data based on MMPR.

Year	Finfish											Shellfish									
	Black drum	Flounder	Gafftopsail catfish	Sheepshead	Kingfish	Mullet	Cobia	Grouper	Snapper	Other	Unclassified Food Scrap	Shrimp			Blue crab	Other	Total				
												Brown and pink	White	Other							
1977	12.0	49.2	4.3	5.5	4.2	0.2	4.7	5.2	420.9	91.6	12.8	4.9	615.2	100,815.9	24,627.2	235.2	125,678.3	2.2	4.2	125,684.7	126,299.7
1978	6.8	24.0	12.7	1.6	2.7	2.5	4.4	9.8	403.5	35.9	5.8	3.7	513.4	101,798.7	38,837.6	344.6	140,980.9	0.3	4.4	140,985.6	141,499.2
1979	8.8	16.5	0.1	3.8	1.2	2.4	2.8	6.7	261.6	125.8	9.4	7.5	446.5	117,237.3	34,687.5	381.0	152,305.8	0.2	0.2	152,306.2	152,742.7
1980	3.0	31.2	0.1	1.4	2.3	0.7	1.1	9.7	351.3	60.0	5.2	0.7	466.7	113,972.9	25,637.8	433.2	140,043.9	0.8	0	140,044.7	140,511.4
1981	4.6	20.6	2.1	1.7	2.8	1.3	7.3	14.2	267.8	50.4	7.2	0.3	380.3	129,069.4	24,541.3	317.9	153,928.6	1.7	0	153,930.3	154,310.6
1982	9.0	82.4	0.5	4.9	5.1	0.5	13.1	42.7	669.2	3.3	17.6	0.1	848.4	126,037.3	30,800.9	504.1	157,342.3	0.8	1.0	157,344.1	158,192.5
1983	5.6	51.2	1.9	0.9	2.8	3.3	10.2	31.9	383.5	0.3	12.3	0.2	504.1	113,408.4	33,074.0	330.7	146,813.1	10.6	2.0	146,825.7	147,329.8
1984	9.3	55.6	2.0	2.5	3.4	1.4	8.7	27.5	818.8	33.0	11.5	0.2	973.9	116,760.5	40,295.5	198.2	157,254.2	7.0	9.2	157,870.4	158,244.1
1985	5.8	60.6	5.7	4.7	6.3	5.7	3.8	213.0	1,175.9	212.4	18.5	1.4	1,713.8	107,535.6	38,360.8	164.1	146,060.5	8.5	9.8	146,078.8	147,792.6

Table 12. Weight (1b x 1000) of "other" finfish species landed commercially from the Gulf of Mexico during 1977-1985. Data based on MMPR.

Species	Year									
	1977	1978	1979	1980	1981	1982	1983	1984	1985	
Atlantic croaker	2.8	10.2	3.7	2.7	2.4	0.4	1.1	1.2	1.4	
Codfish	0	0	0	0	0	0	0	0.2	0	
Dolphin	0	0	0	0	0	0	0	0.1	0.2	
Florida pompano	0.5	0.5	1.5	0.8	0.2	3.6	0	4.0	13.0	
Greater amberjack	0	0	0	0	0	0	0	13.7	25.1	
Grouper, scamp	0	0	0	0	0	0	0	0	0.2	
Grouper, warsaw	0	0	0	0	0	0	0	0	0.6	
Gulf butterfish	0	0	0	0	0	0	0	0	4.9	
Mackerel, king	0	0	0.2	0	0	0	0	1.2	2.5	
Mackerel, Spanish	0	0	0	0	0	0	0	0	0.2	
Red drum	51.0	7.6	13.1	8.1	9.0	0	0	0	0	
Sand seatrout	0	0	0	0	0	0	0	0.1	2.3	
Shark, shortfin mako	0	0	0	0	0	0	0	0	0.5	
Shark, unclassified	0	0	0	0	0	0	0	9.9	62.8	
Spotted seatrout	111.8	43.4	131.0	49.7	28.6	0	0	0	0	
Swordfish	0	0	0	0	0	0	0	0	31.9	
Tilefish	0	0	0	0	0	0	0	0	42.0	
Tuna, bluefin	0	0	0	0	0	0	0	33.3	2.7	
Tuna, unclassified	0	0	0	0	0	0	0	6.7	22.7	
Tuna, yellowfin	0	0	0	0	0	0	0	9.3	1.5	
Total	166.1	61.7	149.5	61.3	40.2	4.0	1.1	79.7	214.5	

Table 13. Ex-vessel value (\$ x 1000) of "other" finfish species landed commercially from the Gulf of Mexico during 1977-1985. Data based on MMPR.

Species	Year									
	1977	1978	1979	1980	1981	1982	1983	1984	1985	
Atlantic croaker	0.6	1.5	0.6	0.2	0.5	0.1	0.2	0.5	0.2	0.2
Codfish	0	0	0	0	0	0	0	0.1	0	0
Dolphin	0	0	0	0	0	0	0	0	0.2	0.2
Florida pompano	0.3	0.6	2.4	1.1	0.3	3.2	0.1	5.6	12.3	12.3
Greater amberjack	0	0	0	0	0	0	0	10.3	16.5	16.5
Grouper, scamp	0	0	0	0	0	0	0	0	0.2	0.2
Grouper, warsaw	0	0	0	0	0	0	0	0	0.2	0.2
Gulf butterfish	0	0	0	0	0	0	0	0	0	2.6
Mackerel, king	0	0	0.2	0	0	0	0	0.9	2.0	2.0
Mackerel, Spanish	0	0	0	0	0	0	0	0	0.1	0.1
Red drum	27.6	4.4	10.2	8.3	11.6	0	0	0	0	0
Sand seatrout	0	0	0	0	0	0	0	0.6	2.1	2.1
Shark, shortfin mako	0	0	0	0	0	0	0	0	0.4	0.4
Shark, unclassified	0	0	0	0	0	0	0	2.5	27.4	27.4
Spotted seatrout	63.0	29.4	112.4	50.4	38.0	0	0	0	0	0
Swordfish	0	0	0	0	0	0	0	0	93.3	93.3
Tilefish	0	0	0	0	0	0	0	0	39.5	39.5
Tuna, bluefin	0	0	0	0	0	0	0	8.4	0.3	0.3
Tuna, unclassified	0	0	0	0	0	0	0	1.9	12.7	12.7
Tuna, yellowfin	0	0	0	0	0	0	0	1.9	2.0	2.0
Total	91.5	35.9	125.8	60.0	50.4	3.3	0.3	32.7	212.0	212.0

Table 14. Weight (lb x 1000) of "other" shellfish species landed commercially from the Gulf of Mexico during 1977-1985. Data based on MMPR.

Species	Year								
	1977	1978	1979	1980	1981	1982	1983	1984	1985
Squid	8.5	11.2	0.9	0	0	3.4	5.2	17.0	14.6
Stone crab	0	0	0	0	0	0	0	3.0	3.2
Total	8.5	11.2	0.9	0	0	3.4	5.2	20.9	17.8

Table 15. Ex-vessel (\$ x 1000) of "other" shellfish species landed commercially from the Gulf of Mexico during 1977-1985. Data based on MMPR.

Species	Year								
	1977	1978	1979	1980	1981	1982	1983	1984	1985
Squid	4.2	4.4	0.2	0	0	1.0	2.0	6.0	6.0
Stone crab	0	0	0	0	0	0	0	3.6	3.7
Total	4.2	4.4	0.2	0	0	1.0	2.0	9.6	9.7

Table 16. Price (\$/lb) paid commercial fishermen for finfish during 1977-1985. Data based on MMPR.

Year	Black drum		Flounder		Sheepshead		Snapper		Other	
	Range	Mean	Range	Mean	Range	Mean	Range	Mean	Range	Mean
1977	0.25-0.65	0.28	0.22-1.10	0.55	0.05-0.35	0.10	0.45-1.30	0.94	0.10-1.15	0.47
1978	0.30-0.65	0.34	0.40-1.30	0.73	0.05-0.35	0.12	0.85-1.65	1.04	0.05-1.35	0.59
1979	0.25-0.50	0.39	0.35-1.40	0.82	0.05-0.30	0.14	0.60-1.65	1.22	0.03-1.10	0.70
1980	0.35-0.70	0.51	0.25-1.25	0.79	0.03-0.25	0.14	0.65-1.95	1.52	0.05-1.25	0.85
1981	0.45-0.80	0.57	0.60-1.25	1.06	0.03-0.40	0.21	0.85-2.45	1.61	0.05-1.45	0.98
1982	0.45-0.85	0.63	0.50-1.35	0.97	0.10-0.50	0.25	0.60-2.15	1.01	0.05-0.85	0.26
1983	0.30-0.85	0.65	0.35-1.40	0.94	0.05-0.45	0.24	0.60-2.15	1.46	0.05-0.70	0.28
1984	0.25-0.80	0.50	0.50-1.00	0.92	0.05-0.30	0.21	1.45-2.95	1.81	0.05-1.50	0.33
1985	0.25-0.95	0.66	0.45-1.35	1.00	0.10-0.70	0.22	1.25-2.25	1.86	0.05-5.00	0.44

Table 17. Price (\$/lb) paid commercial fishermen for shellfish during 1977-1985. Data based on MMPR and NMFS.

Year	Brown and pink		White		Other		Blue crab		Stone crab		Eastern oyster	
	Range	Mean	Range	Mean	Range	Mean	Range	Mean	Range	Mean	Range	Mean
1977	0.85-3.10	1.49	0.45-2.95	1.44	0.85-2.80	1.11	0.16-0.35	0.26	0.85-1.25	1.18	0.85-1.25	1.18
1978	0.65-3.25	1.63	0.90-2.95	1.81	0.20-0.26	1.04	0.17-0.35	0.27	1.01-1.25	1.16	1.01-1.25	1.16
1979	0.45-3.25	2.32	0.45-3.15	2.11	0.25-0.95	0.53	0.14-0.55	0.26	0.91-1.63	1.18	0.91-1.63	1.18
1980	0.40-3.15	1.95	0.45-2.95	1.80	0.39-0.90	0.33	0.16-0.50	0.27	1.01-1.64	1.55	1.01-1.64	1.55
1981	0.40-3.20	1.70	0.45-3.00	1.97	0.35-0.85	0.30	0.21-0.55	0.28	1.04-1.70	1.55	1.04-1.70	1.55
1982	0.50-4.20	2.56	0.50-5.15	2.39	0.40-0.80	0.42	0.23-0.60	0.30	1.05-1.65	1.46	1.05-1.65	1.46
1983	0.50-4.00	2.47	0.50-4.25	2.24	0.25-0.90	0.36	0.23-0.60	0.37	1.05-1.71	1.43	1.05-1.71	1.43
1984	0.20-4.13	2.03	0.63-4.82	2.31	0.24-1.73	0.85	0.22-0.60	0.25	1.29-2.06	1.61	1.29-2.06	1.61
1985	0.40-4.40	1.97	0.50-4.91	1.97	0.20-0.51	0.27	0.22-0.75	0.34	1.26-1.89	1.70	1.26-1.89	1.70

Figure 1. Texas bay systems and Gulf of Mexico grid zones.

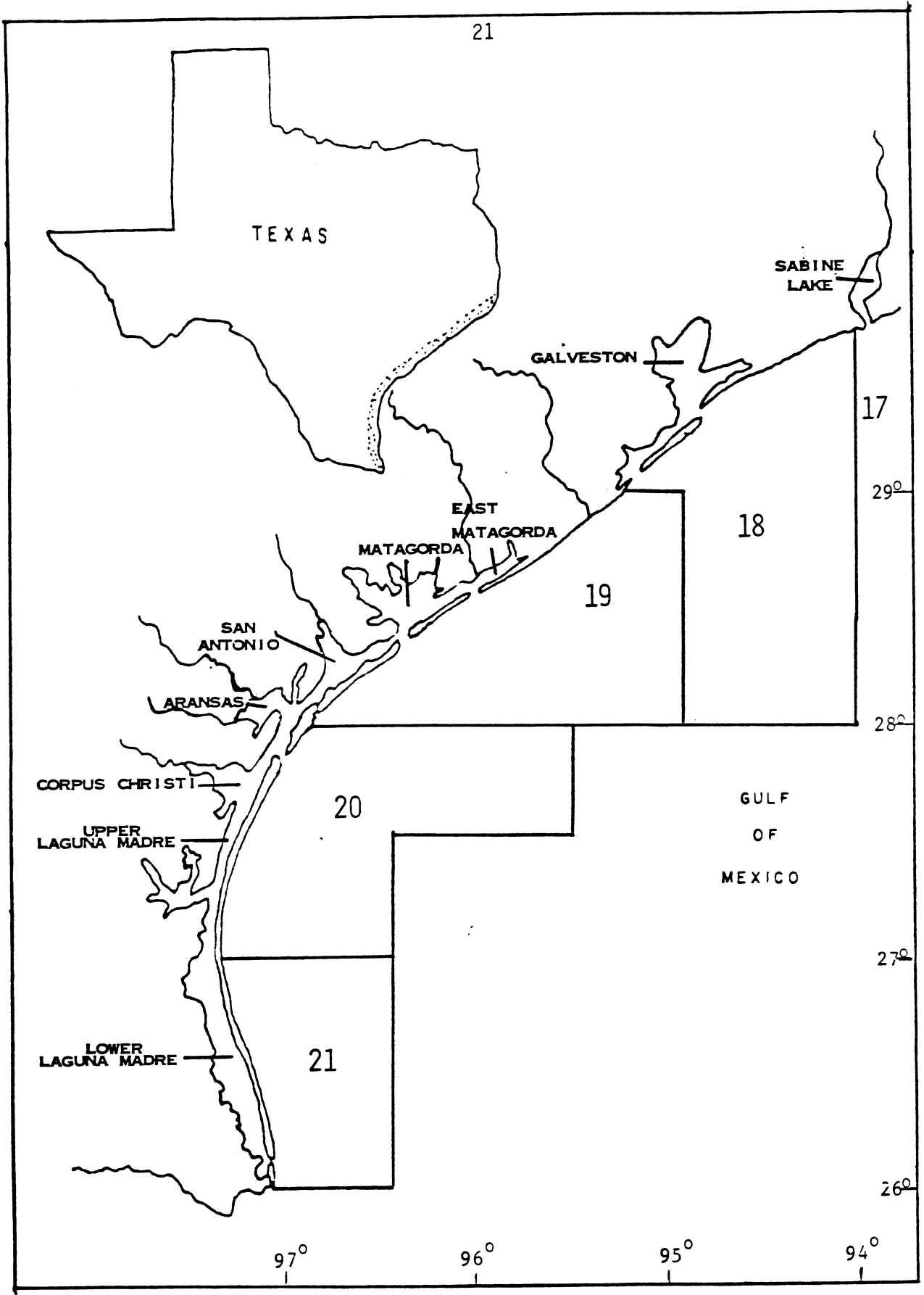


Figure 2. Monthly Marine Products Report (MMPR) form.

Figure 3. Letters establishing formal cooperative commercial landings data collection agreement between the Texas Parks and Wildlife Department and the National Marine Fisheries Service.



TEXAS
PARKS AND WILDLIFE DEPARTMENT
4200 Smith School Road Austin, Texas 78744

COMMISSIONERS

EDWIN L. COX, JR.
Chairman, Athens

WILLIAM M. WHELESS, III
Vice-Chairman, Houston

CHARLES D. TRAVIS
Executive Director

BOB ARMSTRONG
Austin

GEORGE R. BOLIN
Houston

WM. D. BRAECKLEIN
Dallas

WM. L. GRAHAM
Amarillo

RICHARD R. MORRISON, III
Clear Lake City

A.R. (TONY) SANCHEZ, JR.
Laredo

DR. RAY E. SANTOS
Lubbock

November 20, 1984

Dr. Albert C. Jones
75 Virginia Beach Drive
Southeast Fisheries Center
National Marine Fisheries Center
Miami, Florida 33149

Dear Al:

Enclosed is a letter that your staff can provide to seafood dealers in Texas who handle mainly shrimp but also purchase fish, crabs, or oysters infrequently. This letter should be signed by the dealer who wishes to provide seafood landings data to NMFS for submission to the Parks and Wildlife Department (TPWD) pursuant to our informal agreement that has been in place since 1960 whereby NMFS collects commercial shrimp landings and TPWD collects all other seafood landings. Once signed, a copy of each letter should be sent to Dr. Gary Matlock at 4200 Smith School Road, Austin, Texas 78744.

Thank you for your cooperation in minimizing duplication of our respective programs. Please contact me if you have any questions.

Sincerely,

Robert J. Kemp
Director of Fisheries

RJK:GM:dr

Enclosure

cc: Kim Newlin
Orman Farley



TEXAS
PARKS AND WILDLIFE DEPARTMENT
4200 Smith School Road Austin, Texas 78744

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Clear Lake City

W. B. OSBORN, JR.
Santa Elena

PERKINS D. SAMS
Midland

DR. RAY E. SANTOS
Lubbock

WM. M. WHELESS, III
Houston

Dear Seafood Dealer:

The Parks and Wildlife Department and the National Marine Fisheries Service are responsible for gathering information on the commercial landings of seafood in Texas. The Texas Parks and Wildlife Code requires that you report all purchases of seafood to the Texas Parks and Wildlife Department by the 10th of each month.

The National Marine Fisheries Service also requires reporting of shrimp landings. To reduce the burden on you, the dealer, and to prevent duplication of government programs, the Parks and Wildlife Department and the National Marine Fisheries Service cooperate in collecting landings data. The Department focuses on dealers buying fish, crabs, and oysters while the Service visits shrimp dealers. The two agencies exchange the data collected so you do not have to complete two reports.

However, there are occasions when dealers buying mainly shrimp will buy other seafood. FOR YOUR CONVENIENCE, you may provide the data on these other seafood purchases to the National Marine Fisheries Service if you so choose. By providing these data to the National Marine Fisheries Service, you will have met your obligation to provide reports of seafood purchases to the Parks and Wildlife Department.

If you wish to provide data on all seafood purchases you make to the National Marine Fisheries Service for transmission to the Texas Parks and Wildlife Department, please provide the information requested, sign, date and return to the National Marine Fisheries Service.

If you choose not to provide these data to the National Marine Fisheries Service, then you must submit them to the Texas Parks and Wildlife Department.

Thank you for your cooperation.

Sincerely,


Charles D. Travis
Executive Director

CDT:GM:dr

Dealer's Name
(Please Print)

Address

Dealer or Authorized
Representative Signature

Date

Figure 4. Individual Sales Transaction (IST) form.

TEXAS PARKS AND WILDLIFE DEPARTMENT
 4200 SMITH SCHOOL ROAD AUSTIN, TEXAS 78744
 COMMERCIAL FISH LANDINGS

INDIVIDUAL SALES TRANSACTION

			DATE OF SALE
MONTH	DAY	YEAR	

1
 FORM NO.

FISHERMAN'S NAME

BUSINESS NAME

| | | | |

COMMERCIAL LICENSE NO.

| | | | |

RED DRUM LICENSE NO.

BAY OR GULF WHERE FISH WERE TAKEN:

CIRCLE ONLY ONE AREA CODE - SEE MAP ON FOLDER

SABINE	GALVESTON	MATAGORDA	SAN ANTONIO	ARANSAS	CORPUS CHRISTI	UPPER LAGUNA MADRE	LOWER LAGUNA MADRE	GULF OF MEXICO
1	2 3 4	5 6 7	8 9	10 11	12 13	14 15	16 17	20 21 22 23 24

GEAR USED:	1 TROTLINE	5 SEINE	9 GIG	13 CRAB TRAWL
CIRCLE ONLY	2 TRAMMEL NET	6 SNAGLINE	10 SHRIMP TRAWL	14 OYSTER DREDGE
ONE	3 GILL NET	7 LONGLINE	11 FISH TRAWL	15 OYSTER TONGS
NUMBER	4 ROD AND REEL	8 PURSE SEINE	12 CRAB TRAP	16 OTHER

SPECIES	CODE	POUNDS	PRICE PER LB.		FOR DEALER USE	
			\$	CENTS		
RED DRUM	01					
BLACK DRUM	02					
SPOTTED SEATROUT	03					
SAND SEATROUT	04					
FLOUNDER	05					
SHEEPSHEAD	06					
ATLANTIC CROAKER	07					
GAFFTOP CATFISH	08					
WHITING	09					
POMPANO	10					
MULLET	11					
RED SNAPPER	12					
GROUPE (WARSAW)	13					
UNCLASSIFIED FOOD	14					
UNCLASSIFIED SCRAP	15					
CRABS (LIVE WEIGHT)	80					
OTHERS (LIST)						
OYSTER SALES	CODE	QUANTITY (NO. OF UNITS)	PRICE PER UNIT		YIELD IN GALS./UNIT	FOR DEALER USE
			\$	CENTS		
OYSTERS IN SACKS	81					
OYSTERS IN BUSHELS	82					
OYSTERS IN GALLONS	83					

Figure 5. Monthly oyster landings form submitted to the Seabrook office of the Texas Parks and Wildlife Department.

OYSTER HARVEST MONTHLY REPORTS
PRIVATE OYSTER LEASE
REGION IV

HARVEST REPORT FOR MONTH OF _____

PERMIT NO. _____

OYSTER LEASE NO. _____

NAME OF LEASE HOLDER _____

ADDRESS _____

BOATS USED FOR THIS LEASE THIS MONTH _____

NO. BARRELS HARVESTED _____

OR

NO. BUSHELS HARVESTED _____

NAME OF DEALER(S) BUYING OYSTERS _____

ADDRESS _____

SIGNATURE

This report must be submitted to the Regional Director for Coastal Fisheries, Region IV, Parks and Wildlife Department, 1018 Toddville Road, P.O. Box 8, Seabrook, Texas 77586, by the 5th of the following month after harvest of oysters from private lease.

Figure 6. Annual Oyster Location Lease Report form.

OYSTER LOCATION LEASE REPORT

Leaseholder: _____
Annual Rental: _____
Lease Number: _____
Date Filed: _____
Acreage: _____

Section 76.017 - 76.018 Parks and Wildlife Code:

The owner or locator of private oyster beds under the foregoing provisions shall not be required to pay any rentals on such locations for a period of five years, or till such time as he shall begin to market or sell oysters from such location or bed. When such locator shall begin to sell or market oysters from such location, he shall pay the State three dollars per acre per annum and ten cents a barrel on oyster sales.

Failure to pay such rental by the first day of March of each year shall annul and be a forfeiture of his lease. And if oysters are not marketed or sold from such location within five years from the date of location, such location shall become void.

IMPORTANT: PLEASE NOTE CHANGE IN LAW RESULTING IN INCREASE.

Enclosed is my rental payment for Lease # _____ :

Lease (_____ acres @ \$3.00 per acre) \$ _____
Oyster Sales (_____ barrels @ 10¢ per barrel) \$ _____
Total Remittance \$ _____

Signature

Date

FAILURE TO PAY RENTAL ON THIS LEASE BY MARCH 1, 1986 SHALL ANNUL AND BE A FORFEITURE OF THE LEASE ACCORDING TO LAW.

Please Return Report To:
Texas Parks and Wildlife Department
Revenue Branch
4200 Smith School Road
Austin, Texas 78744

Appendix A. Conversion factors used for finfish and shellfish.

Table A.1. Factors for converting finfish gutted weight to live weight.

Species	Conversion factors (divide by)	Reference
Atlantic croaker	0.85	TPWD unpublished data
Black drum	0.88	Harrington et al. (1979)
Florida pompano	0.85	NMFS (1980)
King mackerel	0.85	NMFS (1980)
Kingfish	0.85	TPWD unpublished data
Red drum	0.88	Harrington et al. (1979)
Sand seatrout	0.87	TPWD unpublished data
Shark	0.83	NMFS (1980)
Sheepshead	0.85	Harrington et al. (1979)
Snapper	0.85	TPWD unpublished data
Southern Flounder	0.93	Harrington et al. (1979)
Spanish mackerel	0.84	NMFS (1980)
Spotted seatrout	0.87	Harrington et al. (1979)
Swordfish	0.80	NMFS (1980)
Tilefish	0.91	NMFS (1980)
Yellowfin tuna	0.90	NMFS (1980)

Table A.2. Factors for converting finfish headed or collared weight to live weight.

Species	Conversion factors (divide by)	Reference
Black drum	0.61	TPWD unpublished data
Cobia	0.70	NMFS (1980)
Gafftopsail catfish	0.65	TPWD unpublished data
Grouper	0.70	NMFS (1980)
Snapper	0.61	TPWD unpublished data

Table A.3. Factors for converting blue crab to live weight and Eastern oyster to meat weight (TPWD unpublished data).

Species	Conversion factors (divide by)
Blue crab	6 lb/1 dozen
Eastern oyster (to oyster meat)	17.5 lb/barrel
Eastern oyster (to oyster meat)	8.75 lb/gallon
Live Eastern oyster	1 barrel = 3 bushels, baskets, or sacks

Table A.4. Factors for converting shrimp heads-on weight to heads-off weight (Chin 1960).

Species	Conversion factors (divide by)
Brown shrimp	1.61
Pink shrimp	1.60
Rock shrimp	1.67
Royal red shrimp	1.80
Sea bob	1.53
White shrimp	1.54

Appendix B. Weight (lb) and ex-vessel value (\$) of commercial finfish and shellfish landings from Texas bay systems during 1977-1985.

Table B.1. Weight (lb) of each species landed commercially from Sabine Lake system during 1977-1985. Data based on MMPR and MMFS.

Year	Finfish											Shellfish					Grand total		
	Finfish											Shellfish							
	Black drum	Flounder	Atlantic croaker	Gafftopsail catfish	Sheepshead	Kingfish	Mullet	Other	Unclassified Food	Scrap	Total	Brown and pink	White	Other	Total	Blue crab		Eastern oyster	Other
1977	980	687	0	39	139	37	0	934	0	0	2,816	2,336	4,212	9	6,548	226,100	0	0	232,648
1978	0	330	0	0	59	114	0	0	0	0	503	0	2,763	0	2,763	624,171	0	0	626,934
1979	556	51	9	9	764	60	56	274	0	248	2,027	0	0	0	0	163,301	0	0	163,301
1980	48	78	124	0	627	240	60	1,776	50	30	3,033	1,099	49,900	4,668	55,667	70,089	0	0	125,756
1981	219	119	0	0	76	238	12	461	230	45	1,400	12,830	43,248	0	56,078	72,624	0	0	128,702
1982	0	0	0	0	0	0	0	0	0	0	0	0	170,835	488	171,323	113,443	0	0	284,766
1983	379	567	0	0	430	1,201	0	0	0	140	2,717	0	740	0	740	172,874	0	0	173,614
1984	244	176	0	0	1,588	0	0	0	0	0	2,008	12,384	10,451	0	22,835	555,304	0	0	578,139
1985	486	2,283	0	0	1,592	552	0	62	94	275	5,344	0	21,169	0	21,169	673,758	0	0	694,927

Table B.2. Weight (lb) of each species landed commercially from the Galveston Bay system during 1977-1985. Data based on MMPR and MMFS.

Year	Finfish											Shellfish					Grand total		
	Finfish											Shellfish							
	Black drum	Flounder	Atlantic croaker	Gafftopsail catfish	Sheepshead	Kingfish	Mullet	Other	Unclassified Food	Scrap	Total	Brown and pink	White	Other	Total	Blue crab		Eastern oyster	Other
1977	102,175	14,382	5,989	20,875	21,117	6,530	3,843	160,235	41,313	78,691	455,150	2,256,576	2,988,766	1,600	5,246,942	1,859,418	1,917,532	3,335	9,027,227
1978	161,887	55,173	8,937	32,554	55,504	4,647	1,946	362,499	75,265	49,282	807,694	2,066,133	3,618,523	0	5,684,656	1,920,886	1,076,797	3,528	8,685,867
1979	73,101	46,869	9,604	23,900	72,192	7,828	46,427	141,803	36,569	44,242	502,535	1,316,025	1,963,252	0	3,278,277	1,953,742	43,097	162	5,275,278
1980	55,999	31,477	5,204	34,421	65,844	5,824	2,251	105,870	29,028	39,496	375,414	2,317,775	3,439,745	0	5,757,520	1,749,057	1,004,208	0	8,510,785
1981	51,830	20,610	660	3,670	51,376	2,287	3,985	83,986	16,864	9,155	244,423	1,991,873	2,655,307	0	4,647,180	609,682	951,654	0	6,208,516
1982	72,524	197,762	59,168	13,477	125,942	47,889	118,907	2,733	19,897	45,080	703,379	1,646,158	3,459,392	0	5,105,550	1,216,137	3,253,765	9,942	9,585,394
1983	53,458	134,968	8,021	35,298	64,568	7,429	82,608	493	32,905	70,846	490,594	1,493,414	2,773,657	0	4,267,071	1,407,572	6,967,064	2,277	12,643,984
1984	269,046	127,753	1,797	17,895	74,948	1,968	50,296	3,090	16,495	22,400	585,688	2,558,708	3,604,281	0	6,162,989	1,374,602	2,360,205	8,350	9,906,136
1985	114,591	149,117	31,728	29,972	50,581	2,640	130,550	4,046	43,403 ^a	76,456	624,084	1,651,048	2,638,555	0	4,289,603	2,151,640 ^b	3,195,405	12,380	9,648,954

^aIncludes 926 lb of shark fins

^bIncludes 867 lb of soft shell crabs

Table B.3. Weight (lb) of each species landed commercially from the Matagorda Bay system during 1977-1985. Data based on MMPR and NMFS.

Year	Finfish										Shellfish									
	Black drum	Atlantic croaker	Gafftopsail catfish	Sheepshead	Kingfish	Mullet	Other	Unclassified			Shrimp ^a			Blue crab	Eastern oyster	Other	Total	Grand total		
								Food	Scrap	Total	Brown and pink	White	Other						Total	
1977	17,489	19,184	400	1,536	5,290	0	1,196	68,541	1,047	2,040	116,723	1,008,551	2,621,280	0	3,629,831	211,227	168,605	1,937	4,011,600	4,128,323
1978	16,503	19,322	0	3,265	2,257	0	564	39,891	79	0	81,881	767,620	2,526,703	0	3,294,323	313,509	145,791	668	3,754,291	3,836,172
1979	10,150	6,593	0	867	2,997	0	270	33,972	0	0	54,849	2,546,059	2,832,037	0	5,378,096	680,808	120,937	14	6,179,855	6,234,704
1980	11,364	3,077	0	0	2,540	0	0	43,546	131	0	60,658	2,059,240	1,538,837	0	3,598,077	390,743	333,179	0	4,321,999	4,382,657
1981	6,047	553	3	41	287	1	18,379	19,406	10	55	44,782	1,521,424	1,746,315	0	3,267,739	368,089	88,659	0	3,724,487	3,769,269
1982	1,541	8,510	0	13	661	3	1,335	3	67	0	12,133	1,757,008	2,113,842	0	3,870,830	689,000	270,376	74	4,830,310	4,842,443
1983	1,696	13,692	31	15	241	10	3,516	402	271	0	19,874	3,204,889	3,614,158	0	6,819,047	796,690	199,940	109	7,815,786	7,835,660
1984	608	15,886	18	135	749	102	19,375	1,045	2,464	26,529	66,911	2,851,107	2,890,693	150	5,741,950	927,467	448,637	9,460	7,127,514	7,194,425
1985	8,092	28,824	0	545	5,786	100	117,938	11	500	157,301	319,097	2,194,857	2,678,970	2,707	4,876,534	989,229	123,350	7,266	5,996,379	6,315,476

^aNMFS reports East Matagorda Bay system shrimp landings as combined with Matagorda Bay system shrimp landings.

Table B.4. Weight (lb) of each species landed commercially from the East Matagorda Bay system during 1977-1985. Data based on MMPR and NMFS.

Year	Finfish										Shellfish									
	Black drum	Atlantic croaker	Gafftopsail catfish	Sheepshead	Kingfish	Mullet	Other	Unclassified			Shrimp ^a			Blue crab	Eastern oyster	Other	Total	Grand total		
								Food	Scrap	Total	Brown and pink	White	Other						Total	
1977	9,339	3,497	30	0	2,938	0	0	40,991	0	14,025	70,820	0	0	0	0	309,699	1,317	0	311,016	381,836
1978	9,593	3,103	0	0	1,964	0	0	35,008	0	0	49,668	0	0	0	0	267,668	578	0	268,246	317,914
1979	7,531	791	0	209	1,202	0	0	21,489	0	0	31,222	0	0	0	0	196,073	25,040	0	222,113	253,335
1980	4,248	390	0	0	487	0	1	38,138	0	0	43,264	0	0	0	0	468,952	2,722	0	471,674	514,938
1981	1,387	269	9	28	50	6	0	10,228	0	0	11,977	0	0	0	0	83,497	27,504	0	111,001	122,978
1982	1,975	11,758	0	1,474	1,540	0	0	34	1,352	0	18,133	0	0	0	0	630,153	0	0	630,153	648,286
1983	453	6,849	1	3	264	0	0	319	3	0	7,892	0	0	0	0	637,942	17,569	0	655,511	663,403
1984	199	2,968	0	178	221	33	0	18	25	0	3,642	0	0	0	0	317,525	58,317	2,114	377,956	381,598
1985	0	44	0	0	0	0	0	0	0	0	44	0	0	0	0	157,482	2,468	0	159,950	159,954

^aNMFS reports East Matagorda Bay system shrimp landings as combined with Matagorda Bay system shrimp landings.

Table B.5. Weight (lb) of each species landed commercially from the San Antonio Bay system during 1977-1985. Data based on MMPR and NMFS.

Year	Finfish										Shellfish					Grand total				
	Finfish										Shellfish									
	Black drum	Flounder	Atlantic croaker	Gafftopsail catfish	Sheepshead	Kingfish	Mullet	Other	Unclassified Food Scrap	Total	Brown and pink	White	Other	Total	Blue crab		Eastern oyster	Other	Total	
1977	39,889	15,012	0	6,829	6,523	0	188	133,412	154	0	202,007	231,089	1,428,055	0	1,659,144	2,181,587	438,391	50	4,279,172	4,481,179
1978	31,040	11,857	0	247	11,544	0	574	88,466	22	0	143,750	685,755	630,176	0	1,315,931	1,925,483	560,780	0	3,802,194	3,945,954
1979	8,679	5,083	0	243	5,903	0	0	63,914	680	0	84,502	738,899	952,150	0	1,691,049	2,681,111	600,745	0	4,972,905	5,057,407
1980	17,636	10,073	0	49	4,851	0	0	143,247	89	0	175,945	1,173,386	559,288	0	1,732,674	3,011,967	361,303	0	5,105,944	5,281,889
1981	9,887	11,426	0	28	2,939	0	30,381	67,021	0	0	121,682	736,031	587,894	0	1,323,925	3,211,057	142,641	0	4,677,623	4,799,305
1982	352	9,226	0	0	388	0	0	0	0	0	9,966	809,548	450,250	0	1,259,798	2,310,435	53,925	0	3,624,158	3,634,124
1983	6,694	6,070	0	641	3,177	0	215	0	0	0	16,797	1,094,207	385,703	0	1,479,910	2,546,789	635,624	70	4,662,393	4,679,190
1984	7,489	8,443	0	2,129	7,358	62	2,848	1,496	0	5,055	34,880	1,113,827	745,136	0	1,858,963	1,423,640	1,802,751	4,287	5,089,641	5,124,521
1985	7,934	14,298	0	2,253	9,576	452	615	735	317	0	36,180	1,205,250	680,398	0	1,885,648	2,987,746	1,500,343	47,290	6,421,027	6,457,207

Table B.6. Weight (lb) of each species landed commercially from the Aransas Bay system during 1977-1985. Data based on MMPR and NMFS.

Year	Finfish										Shellfish					Grand total				
	Finfish										Shellfish									
	Black drum	Flounder	Atlantic croaker	Gafftopsail catfish	Sheepshead	Kingfish	Mullet	Other	Unclassified Food Scrap	Total	Brown and pink	White	Other	Total	Blue crab		Eastern oyster	Other	Total	
1977	123,441	68,100	3,135	16,391	37,993	0	2,048	386,837	740	23,643	662,328	473,954	1,781,140	0	2,255,094	2,244,568	65,573	0	4,565,235	5,227,563
1978	81,282	41,200	3,680	4,445	33,778	4	1,870	244,282	235	10	410,786	659,810	993,356	0	1,653,166	2,051,177	119,994	0	3,824,337	4,235,123
1979	24,064	42,414	257	3,528	21,264	0	1,051	181,346	54	181	274,159	1,427,626	1,227,415	0	2,655,041	2,436,264	96,013	0	5,187,318	5,461,477
1980	36,919	58,005	18	1,752	11,954	0	14,951	249,484	337	223	373,643	1,010,885	824,648	0	1,835,533	2,716,056	21,588	0	4,573,177	4,946,820
1981	19,638	44,607	3	361	26,824	0	3,197	69,383	53	0	164,066	1,744,416	726,693	0	2,471,109	1,738,402	62,369	0	4,271,880	4,435,946
1982	36,491	119,852	258	542	59,483	0	8,851	0	0	0	225,477	1,916,457	841,457	0	2,757,914	2,150,379	51,509	125	4,959,927	5,185,404
1983	51,850	67,796	1,193	314	27,397	0	13,606	0	2,952	102	165,210	3,122,304	792,925	0	3,915,229	2,508,983	117,119	105	6,541,436	6,706,646
1984	16,790	75,233	0	102	5,510	0	0	0	0	0	97,635	2,789,635	1,747,920	0	4,537,555	2,129,660	359,952	2,400	7,029,567	7,127,202
1985	15,656	44,605	0	0	11,265	145	0	55	0	6,100	77,826	2,551,706	806,467	252	3,358,425	2,231,473	216,817	5,080	5,811,795	5,889,621

Table B. 7. Weight (lb) of each species landed commercially from the Corpus Christi Bay system during 1977-1985. Data based on NMPR and NMFS.

Year	Finfish										Shellfish					Grand total				
	Black drum	Flounder	Atlantic croaker	Gafftopsail catfish	Sheepshead	Kingfish	Mullet	Other	Unclassified			Shrimp			Blue crab		Eastern oyster	Other	Total	
									Food	Scrap	Total	Brown and pink	White	Other						Total
1977	199,848	49,128	3,206	14,989	116,863	57	73	151,054	0	0	535,218	738,572	567,956	0	1,306,528	102,750	0	0	1,409,278	1,944,496
1978	400,845	44,879	1,900	4,998	126,860	0	0	251,294	889	0	831,665	910,075	521,680	0	1,431,755	9,307	0	0	1,441,062	2,272,727
1979	383,315	68,726	3,489	9,946	201,684	6	34,680	216,751	41,854	0	960,451	1,166,697	1,052,891	0	2,219,588	50,498	0	116	2,270,202	3,230,653
1980	198,629	26,813	5,028	8,630	251,267	156	69,790	296,804	0	4,719	861,836	1,469,014	400,763	0	1,869,777	17,448	0	0	1,887,225	2,749,061
1981	58,074	5,948	75	2,560	51,927	179	23,592	183,843	128	69	376,395	1,149,681	336,542	0	1,486,223	7,723	0	0	1,493,946	1,820,341
1982	58,262	36,632	829	153	43,574	0	8,568	703	0	0	148,721	708,245	400,062	0	1,108,307	141,558	0	0	1,249,865	1,398,586
1983	105,884	74,422	7,763	1,247	87,195	0	0	176	0	0	276,687	1,135,421	466,130	0	1,601,551	231,757	0	35	1,833,343	2,110,030
1984	64,620	32,236	0	599	31,185	0	1,515	24	0	452	130,631	2,393,305	1,511,141	0	3,904,446	76,135	0	2,154	3,982,735	4,113,366
1985	29,309	86,770	4,115	3,087	39,254	31	4,422	198	572	10,720	178,478	1,404,056	274,707	0	1,678,763	132,786	0	78,237	1,889,786	2,068,264

Table B. 8. Weight (lb) of each species landed commercially from the upper Laguna Madre system during 1977-1985. Data based on NMPR and NMFS.

Year	Finfish										Shellfish					Grand total				
	Black drum	Flounder	Atlantic croaker	Gafftopsail catfish	Sheepshead	Kingfish	Mullet	Other	Unclassified			Shrimp			Blue crab		Eastern oyster	Other	Total	
									Food	Scrap	Total	Brown and pink	White	Other						Total
1977	519,296	5,205	104	23	41,537	0	495	320,747	32	0	887,439	0	0	0	0	126,811	0	0	126,811	1,014,250
1978	558,383	4,166	253	2	24,681	0	2,337	203,146	0	0	792,968	0	0	0	0	159,517	0	0	159,517	952,485
1979	562,558	3,362	655	65	31,619	0	0	222,193	0	0	820,452	0	0	0	0	26,911	0	0	26,911	847,363
1980	512,366	8,559	2,079	409	46,722	0	0	446,515	0	0	1,016,650	0	0	0	0	6,688	0	0	6,688	1,023,338
1981	343,717	5,031	931	93	35,306	4	2	266,387	0	0	651,471	0	0	0	0	0	0	0	0	651,471
1982	778,749	21,881	16	0	60,695	0	0	296	0	0	861,637	0	0	0	0	8,913	0	0	8,913	870,550
1983	1,021,586	50,078	6	0	80,860	0	0	739	0	0	1,153,269	0	0	0	0	12,290	0	0	12,290	1,165,559
1984	373,819	28,287	0	1,049	43,586	0	0	520	0	0	447,261	0	0	0	0	19,727	0	0	19,727	466,988
1985	284,762	17,998	0	296	36,410	0	0	1,802	0	0	341,268	171,060	1,266	0	172,326	92,515	0	400	265,241	606,509

Table B.9. Weight (lb) of each species landed commercially from the lower Laguna Madre system during 1977-1985. Data based on MMPR and NMFS.

Year	Finfish										Shellfish					Grand total			
	Finfish										Shellfish								
	Black drum	Atlantic croaker	Gafftopsail catfish	Sheepshead	Kingfish	Mullet	Other	Unclassified Food	Scrap	Total	Brown and pink	White	Other	Total	Blue crab		Eastern oyster	Other	Total
1977	378,258	17,121	147	27,603	0	0	878,924	836	22,071	1,360,215	0	0	0	0	975,244	9,066	0	984,310	2,344,525
1978	492,760	5,004	4,928	60,371	0	824	754,432	3,555	2,322	1,336,748	0	0	0	0	196,070	3,071	64	199,205	1,535,953
1979	434,749	2,356	190	45,826	0	0	706,426	2,731	170	1,225,315	0	0	0	0	122,279	1,963	0	124,242	1,349,557
1980	210,016	1,194	0	82,148	0	269	713,244	1,333	381	1,019,919	0	0	0	0	518,342	15,494	0	533,836	1,553,755
1981	157,654	10,855	526	24,770	3	5,700	523,375	1,651	346	724,880	0	0	0	0	815,087	0	0	815,087	1,539,967
1982	274,561	33,825	91	11,273	0	0	15	1,849	0	321,614	0	0	0	0	747,180	3,752	0	750,752	1,072,366
1983	238,784	44,935	2,473	8,089	109	126	4,180	5,922	379	304,997	0	0	0	0	479,092	3,433	0	482,525	787,522
1984	136,526	10,082	0	2,917	0	0	7	51	0	149,583	0	0	0	0	355,207	3,276	0	358,483	508,066
1985	160,854	21,852	0	2,429	2,316	0	149	3,419	0	191,019	0	0	0	0	258,041	5,847	2,840	266,728	457,747

Table B.10. Ex-vessel value (\$) of each species landed commercially from Sabine Lake system during 1977-1985. Data based on MMPR and NMFS.

Year	Finfish										Shellfish					Grand total			
	Finfish										Shellfish								
	Black drum	Atlantic croaker	Gafftopsail catfish	Sheepshead	Kingfish	Mullet	Other	Unclassified Food	Scrap	Total	Brown and pink	White	Other	Total	Blue crab		Eastern oyster	Other	Total
1977	281	424	8	34	7	0	555	0	0	1,309	1,098	2,529	0	3,627	57,906	0	0	61,533	62,842
1978	0	166	0	12	23	0	0	0	201	0	4,528	0	0	4,528	163,290	0	0	167,818	168,019
1979	199	25	2	169	13	13	172	0	54	649	0	0	0	0	49,330	0	0	49,330	49,979
1980	24	43	55	166	69	28	1,374	20	8	1,787	1,113	37,519	1,354	39,986	24,044	0	0	64,030	65,817
1981	81	56	0	15	51	6	364	35	5	613	8,600	38,279	0	46,879	29,574	0	0	76,453	77,066
1982	0	0	0	0	0	0	0	0	0	0	0	197,418	220	197,638	43,907	0	0	241,545	241,545
1983	197	412	0	94	254	0	0	0	21	978	0	1,029	0	1,029	74,656	0	0	75,685	76,663
1984	110	161	0	499	0	0	0	0	0	770	8,762	12,338	0	21,100	204,300	0	0	225,400	226,170
1985	462	2,024	0	602	243	0	31	59	41	3,462	0	10,747	0	10,747	231,323	0	0	242,070	245,532

Table B.11. Ex vessel value (\$) of each species landed commercially from the Galveston Bay system during 1977-1985. Data based on MMPR and NMFS.

Year	Finfish										Shellfish						Grand total							
	Atlantic croaker		Gafftopsail catfish		Sheepshead		Kingfish		Mullet		Other		Unclassified		Shrimp			Blue crab		Eastern oyster		Other		
	Flounder	Drum	Flounder	Drum	Sheepshead	Kingfish	Mullet	Other	Food	Scrap	Total	Brown and pink	White	Other	Total	Blue crab		Eastern oyster	Other	Total	Blue crab	Eastern oyster	Other	
1977	28,002	8,001	1,326	3,924	4,872	1,239	1,039	84,381	8,038	10,338	151,160	1,934,420	2,966,068	320	4,900,808	452,332	2,299,615	1,107	7,653,862	452,332	2,299,615	1,107	7,653,862	7,805,022
1978	48,796	43,424	1,075	6,676	10,514	791	238	212,370	14,780	5,792	344,456	778,260	4,977,027	0	5,755,287	521,289	1,222,871	987	7,500,434	521,289	1,222,871	987	7,500,434	7,844,890
1979	23,318	41,204	1,594	5,353	10,809	1,779	4,946	116,290	8,345	3,879	217,517	1,144,900	2,648,695	0	3,793,595	481,825	66,788	37	4,342,245	481,825	66,788	37	4,342,245	4,559,762
1980	30,080	28,679	997	8,770	15,128	1,003	474	109,937	9,499	5,039	209,606	2,076,228	4,831,461	0	6,907,689	493,068	1,643,511	0	9,044,268	493,068	1,643,511	0	9,044,268	9,253,874
1981	30,788	23,711	171	771	14,056	659	234	96,993	4,696	1,223	175,302	1,018,256	3,107,981	0	4,126,237	187,155	1,510,186	0	5,823,578	187,155	1,510,186	0	5,823,578	5,998,880
1982	27,294	199,896	10,070	2,870	27,011	10,597	12,609	757	5,863	5,038	302,005	1,442,651	5,829,651	0	7,272,302	401,467	4,781,388	3,898	12,459,055	401,467	4,781,388	3,898	12,459,055	12,761,060
1983	25,117	125,378	2,382	7,202	14,099	1,843	8,963	174	11,894	10,738	207,790	1,503,153	3,935,332	0	5,438,485	521,558	9,946,284	1,113	15,907,440	521,558	9,946,284	1,113	15,907,440	16,115,230
1984	106,901	133,969	493	3,858	15,456	496	5,485	1,119	5,958	5,392	279,127	2,061,455	40,32,756	0	6,091,211	531,924	4,015,279	3,725	10,645,139	531,924	4,015,279	3,725	10,645,139	10,924,266
1985	89,814	155,383	5,729	4,574	12,506	775	14,658	1,844	17,246 ^a	7,156	309,685	1,324,169	2,964,202	0	4,288,371	823,771 ^b	5,794,110	6,523	10,912,775	823,771 ^b	5,794,110	6,523	10,912,775	11,222,460

^aIncludes \$4,630 of sharkfins

^bIncludes \$637 of soft shell crabs

Table B.12. Ex vessel value (\$) of each species landed commercially from the Matagorda Bay system during 1977-1985. Data based on MMPR and NMFS.

Year	Finfish										Shellfish						Grand total							
	Atlantic croaker		Gafftopsail catfish		Sheepshead		Kingfish		Mullet		Other		Unclassified		Shrimp ^a			Blue crab		Eastern oyster		Other		
	Flounder	Drum	Flounder	Drum	Sheepshead	Kingfish	Mullet	Other	Food	Scrap	Total	Brown and pink	White	Other	Total	Blue crab		Eastern oyster	Other	Total	Blue crab	Eastern oyster	Other	
1977	4,774	12,470	120	305	1,240	0	344	39,237	210	306	59,006	353,186	2,488,878	0	2,842,064	52,248	188,224	657	3,083,193	52,248	188,224	657	3,083,193	3,142,199
1978	5,160	13,987	0	795	643	0	139	26,892	12	0	47,628	301,006	3,269,862	0	3,570,868	81,465	182,319	247	3,834,899	81,465	182,319	247	3,834,899	3,882,527
1979	4,021	5,928	0	326	579	0	34	27,906	0	0	38,794	2,190,100	3,920,487	0	6,110,587	180,569	146,205	5	6,437,366	180,569	146,205	5	6,437,366	6,476,160
1980	5,603	3,213	0	0	542	0	0	41,342	33	0	50,733	1,663,153	2,622,548	0	4,285,701	105,058	495,533	0	4,886,292	105,058	495,533	0	4,886,292	4,937,025
1981	3,318	683	2	21	54	1	939	19,916	7	6	24,947	955,878	2,233,391	0	3,189,269	209,954	389,590	0	6,088,243	209,954	389,590	0	6,088,243	6,099,685
1982	1,214	9,459	0	8	432	1	282	2	44	0	11,442	1,471,573	4,017,106	0	5,488,679	245,017	264,756	55	10,191,011	245,017	264,756	55	10,191,011	10,209,161
1983	1,312	15,708	13	7	146	3	627	163	171	0	18,150	3,973,047	5,708,136	0	9,681,183	302,472	732,038	4,835	6,825,813	302,472	732,038	4,835	6,825,813	6,851,523
1984	411	20,304	9	72	298	43	1,760	736	181	1,896	25,710	1,933,896	3,852,312	260	5,786,468	338,769	198,721	3,882	5,946,916	338,769	198,721	3,882	5,946,916	6,005,985
1985	3,790	33,438	0	250	1,865	46	10,126	21	88	9,445	59,069	1,389,731	4,015,136	677	5,405,544	338,769	198,721	3,882	5,946,916	338,769	198,721	3,882	5,946,916	6,005,985

^aNMFS reports East Matagorda Bay system shrimp landings as combined with Matagorda Bay system shrimp landings.

Table B. 13. Ex-vessel value (\$) of each species landed commercially from the East Matagorda Bay system during 1977-1985. Data based on MPR and NMFS.

Year	Finfish											Shellfish					Grand total			
	Black drum	Flounder	Atlantic croaker	Gafftopsail catfish	Sheepshead	Kingfish	Mullet	Other	Unclassified			Brown and pink	Shrimp ^a			Blue crab		Eastern oyster	Other	Total
									Food	Scrap	Total		White	Other	Total					
1977	2,556	2,112	9	0	709	0	0	24,164	0	1,403	30,953	0	0	0	0	75,882	1,224	0	77,106	108,059
1978	2,759	2,276	0	0	550	0	0	22,530	0	0	28,115	0	0	0	0	66,482	792	0	67,274	95,389
1979	2,655	614	0	94	487	0	0	18,033	0	0	21,883	0	0	0	0	48,079	38,020	0	86,099	107,982
1980	1,770	392	0	0	206	0	0	35,545	0	0	37,913	0	0	0	0	123,063	3,861	0	126,924	164,837
1981	906	342	7	21	35	5	0	10,387	11	0	11,714	0	0	0	23,578	43,804	0	67,382	79,096	
1982	1,454	10,815	0	1,105	1,088	0	0	22	1,351	0	15,835	0	0	0	189,697	0	0	189,697	205,532	
1983	316	8,384	0	2	117	0	0	281	2	0	9,102	0	0	0	157,135	26,985	0	184,120	193,222	
1984	142	3,188	0	80	99	15	0	14	13	0	3,551	0	0	0	73,935	96,489	519	170,943	174,494	
1985	0	53	0	0	0	0	0	0	0	0	53	0	0	0	37,847	4,221	0	42,068	42,121	

^aNMFS reports East Matagorda Bay system shrimp landings as combined with Matagorda Bay system shrimp landings.

Table B. 14. Ex-vessel value (\$) of each species landed commercially from the San Antonio Bay system during 1977-1985. Data based on MPR and NMFS.

Year	Finfish											Shellfish					Grand total			
	Black drum	Flounder	Atlantic croaker	Gafftopsail catfish	Sheepshead	Kingfish	Mullet	Other	Unclassified			Brown and pink	Shrimp			Blue crab		Eastern oyster	Other	Total
									Food	Scrap	Total		White	Other	Total					
1977	9,631	8,965	0	1,254	757	0	38	71,942	69	0	92,656	74,219	975,469	0	1,049,688	506,154	428,621	8	1,984,471	2,077,127
1978	9,021	9,331	0	43	1,595	0	83	63,048	3	0	83,124	221,690	613,291	0	834,981	504,868	661,881	0	2,001,730	2,084,854
1979	3,231	4,830	0	43	1,134	0	0	57,467	272	0	66,977	570,771	1,149,737	0	1,720,508	723,938	686,703	0	3,131,149	3,198,126
1980	8,365	9,856	0	27	1,032	0	0	133,602	9	0	152,891	1,028,620	775,524	0	1,804,144	802,172	503,258	0	3,109,574	3,262,465
1981	5,446	13,065	0	11	737	0	1,519	69,704	0	0	90,482	461,439	537,989	0	999,428	797,729	194,686	0	1,991,843	2,082,325
1982	193	10,192	0	0	65	0	0	0	0	0	10,450	663,891	687,225	0	1,351,116	653,507	63,737	0	2,068,360	2,078,810
1983	4,299	7,521	0	211	678	0	65	0	0	0	12,774	1,307,198	638,401	0	1,945,599	1,021,105	908,940	36	3,875,680	3,888,454
1984	5,754	11,051	0	788	2,464	28	886	1,021	0	303	22,295	881,545	1,017,071	0	1,898,616	376,917	2,727,333	1,816	5,004,682	5,026,973
1985	3,797	17,857	0	925	3,358	99	283	418	130	0	26,867	619,042	843,141	0	1,462,183	957,812	2,239,741	37,154	4,696,890	4,723,757

Table B.15. Ex-vessel value (\$) of each species landed commercially from the Aransas Bay system during 1977-1985. Data based on MMPR and NMFS.

Year	Finfish										Shrimp					Shellfish					
	Black drum	Flounder	Atlantic croaker	Gafftopsail catfish	Sheepshead	Kingfish	Mullet	Other	Unclassified Food Scrap			Total	Brown and pink	Shrimp			Blue crab	Eastern oyster	Other	Total	Grand total
									Food	Scrap	Total			White	Other	Total					
1977	33,415	40,208	469	2,731	2,654	0	102	229,823	124	1,317	310,843	159,139	1,395,300	0	1,554,439	505,799	65,103	0	2,125,341	2,436,184	
1978	26,440	33,525	303	935	2,938	4	208	185,033	50	1	249,434	221,432	1,135,803	0	1,357,235	567,764	133,735	0	2,058,734	2,308,168	
1979	9,094	34,294	44	885	2,720	0	105	163,013	6	18	210,179	1,148,755	1,746,314	0	2,895,069	613,601	108,704	0	3,617,374	3,827,553	
1980	17,804	43,227	4	308	1,573	0	770	251,724	340	20	315,770	862,589	1,207,650	0	2,070,239	766,161	22,934	0	2,859,334	3,175,104	
1981	12,343	53,451	1	91	6,151	0	458	79,428	13	0	151,936	925,332	876,325	0	1,801,657	547,211	91,656	0	2,440,524	2,592,460	
1982	23,801	111,574	58	133	16,555	0	876	0	0	15	152,997	1,422,764	1,496,129	0	2,918,893	615,757	72,485	65	3,607,200	3,760,197	
1983	30,276	64,576	239	78	3,876	0	1,497	0	2,650	15	103,207	3,818,816	1,429,216	0	5,248,032	937,186	183,905	61	6,369,184	6,472,391	
1984	10,165	57,928	0	28	1,232	0	0	0	0	0	69,353	2,143,511	2,407,353	0	4,550,864	608,702	540,829	4,200	5,704,595	5,773,948	
1985	12,594	45,195	0	0	2,174	62	0	31	0	610	60,666	1,428,731	1,234,636	144	2,663,511	743,747	342,310	6,263	3,755,831	3,816,497	

Table B.16. Ex-vessel value (\$) of each species landed commercially from the Corpus Christi Bay system during 1977-1985. Data based on MMPR and NMFS.

Year	Finfish										Shrimp					Shellfish					
	Black drum	Flounder	Atlantic croaker	Gafftopsail catfish	Sheepshead	Kingfish	Mullet	Other	Unclassified Food Scrap			Total	Brown and pink	Shrimp			Blue crab	Eastern oyster	Other	Total	Grand total
									Food	Scrap	Total			White	Other	Total					
1977	59,310	29,921	334	1,482	7,736	3	4	89,617	0	0	188,407	301,665	442,067	0	743,732	25,810	0	0	769,542	957,949	
1978	153,766	35,304	314	809	11,979	0	0	177,562	118	0	379,852	395,436	692,600	0	1,088,036	2,136	0	0	1,090,172	1,470,024	
1979	165,498	55,662	676	1,823	25,873	2	2,561	191,436	5,324	0	448,855	1,040,520	1,646,614	0	2,687,134	10,907	0	23	2,698,064	3,146,919	
1980	108,901	21,887	376	1,071	29,996	18	5,031	300,842	0	420	468,542	1,199,080	592,844	0	1,791,924	7,821	0	0	1,799,745	2,268,287	
1981	34,388	6,029	16	674	7,862	9	2,118	196,317	26	10	247,449	788,033	439,698	0	1,227,731	3,852	0	0	1,231,583	1,479,032	
1982	39,154	35,722	385	43	10,643	0	729	422	0	0	87,098	620,284	696,440	0	1,360,646	43,922	0	0	1,360,646	1,447,744	
1983	68,646	72,871	1,225	291	22,969	0	0	35	0	0	166,037	1,419,771	896,636	0	2,316,407	93,369	0	18	2,409,794	2,575,831	
1984	39,853	30,914	0	179	5,987	0	170	23	0	45	77,171	1,935,026	1,989,797	0	3,924,823	27,079	0	1,705	3,953,607	4,030,778	
1985	23,816	82,572	876	958	7,759	2	444	187	139	1,156	117,859	1,016,137	366,652	0	1,382,789	44,890	0	59,735	1,487,414	1,605,273	

Table B.17. Ex-vessel value (\$) of each species landed commercially from the upper Laguna Madre system during 1977-1985. Data based on MMR and MMFS.

Year	Finfish										Shellfish					Grand total				
	Finfish										Shellfish									
	Black drum	Flounder	Atlantic croaker	Gafftopsail catfish	Sheepshead	Kingfish	Mullet	Other	Unclassified Food	Scrap	Total	Brown and pink	White	Other	Total		Blue crab	Eastern oyster	Other	Total
1977	165,429	3,278	10	3	3,130	0	50	186,747	8	0	358,655	0	0	0	0	28,855	0	0	28,855	387,510
1978	229,320	3,434	42	0	2,832	0	210	163,236	0	0	399,074	0	0	0	0	45,691	0	0	45,691	444,765
1979	244,455	3,313	130	12	5,234	0	0	206,136	0	0	459,280	0	0	0	0	6,836	0	0	6,836	466,116
1980	265,977	6,424	320	97	7,907	0	0	411,325	0	0	692,050	0	0	0	0	2,704	0	0	2,704	694,754
1981	199,140	5,604	223	21	7,458	1	0	293,345	0	0	505,792	0	0	0	0	0	0	0	0	505,792
1982	535,031	24,167	4	0	16,936	0	0	347	0	0	576,485	0	0	0	0	3,832	0	0	3,832	580,317
1983	708,865	53,945	1	0	22,018	0	0	1,060	0	0	785,889	0	0	0	0	6,074	0	0	6,074	791,963
1984	195,673	27,576	0	274	7,706	0	0	504	0	0	231,733	0	0	0	0	8,056	0	0	8,056	239,789
1985	164,458	18,348	0	122	7,321	0	0	1,695	0	0	191,944	107,763	1,313	0	109,076	30,883	0	200	140,159	332,103

Table B.18. Ex-vessel value (\$) of each species landed commercially from the lower Laguna Madre system during 1977-1985. Data based on MMR and MMFS.

Year	Finfish										Shellfish					Grand total				
	Finfish										Shellfish									
	Black drum	Flounder	Atlantic croaker	Gafftopsail catfish	Sheepshead	Kingfish	Mullet	Other	Unclassified Food	Scrap	Total	Brown and pink	White	Other	Total		Blue crab	Eastern oyster	Other	Total
1977	84,443	16,294	1,056	30	2,138	0	0	421,397	93	5,518	530,969	0	0	0	0	239,526	8,957	0	248,483	779,452
1978	125,476	7,678	502	2,918	6,517	0	49	481,799	546	235	625,720	0	0	0	0	50,571	4,010	10	54,591	680,311
1979	141,050	27,732	269	38	4,958	0	0	566,319	413	15	737,794	0	0	0	0	30,801	2,235	0	33,036	770,830
1980	98,202	8,799	81	0	8,571	0	13	643,886	239	41	759,832	0	0	0	0	130,942	23,234	0	154,176	914,008
1981	86,390	11,614	94	1	3,882	1	570	600,430	290	58	703,330	0	0	0	0	234,290	0	0	234,290	937,620
1982	145,360	37,163	27	0	2,013	0	0	27	309	0	184,899	0	0	0	0	212,255	6,531	0	218,786	403,685
1983	126,297	45,586	346	0	1,111	35	57	1,295	1,820	51	176,598	0	0	0	0	183,548	5,796	0	189,344	365,942
1984	80,984	10,314	0	0	605	0	0	12	26	0	91,941	0	0	0	0	102,235	6415	0	108,650	200,591
1985	115,191	23,998	0	0	629	579	0	284	2,679	0	143,360	0	0	0	0	86,400	11,732	4,080	102,212	245,572

Appendix C. Weight (lb) and ex-vessel value (\$) of commercial finfish and shellfish, except shrimp, landings from the Gulf of Mexico grid zones during 1977-1985.

Table C.1. Weight (lb) of each species, except shrimp, landed commercially from Gulf of Mexico grid zone 17.0 during 1977-1985. Data based on MMPR.

Year	Finfish											Shellfish			Grand total			
	Black drum	Flounder	Atlantic croaker	Gafftopsail catfish	Sheepshead	Kingfish	Mullet	Cobia	Grouper	Snapper	Other	Unclassified		Blue crab		Other	Total	
												Food	Scrap					
1977	5,810	2,888	386	50	1,615	4,805	0	200	629	36,211	3,864	0	0	56,458	0	0	56,458	
1978	20,455	2,539	0	112	143	2,128	0	0	0	1,546	779	461	0	28,163	1,268	13	1,281	29,444
1979	114	1,176	0	77	587	418	0	0	0	3,222	3,277	0	0	8,871	100	0	100	8,971
1980	113	3,619	352	0	471	3,668	0	0	582	825	312	71	276	10,289	3,149	0	3,149	13,438
1981	71	2,816	29	562	532	1,250	619	0	4	235	129	0	515	6,762	5,860	0	5,860	12,662
1982	62	4,010	35	31	1,450	1,923	0	0	0	0	0	0	142	7,653	2,555	114	2,669	10,332
1983	247	3,715	8	23	474	1,082	0	0	0	5,549	0	468	860	12,426	5,355	150	5,505	17,931
1984	307	4,112	33	0	171	453	0	0	199	6,102	0	0	480	11,857	962	200	1,162	13,019
1985	20	9,021	0	52	194	2,828	0	0	14,515	17,193	3,738	1,021	425	49,007	2,211	71	2,282	51,289

Table C.2. Weight (lb) of each species, except shrimp, landed commercially from Gulf of Mexico grid zone 18.0 during 1977-1985. Data based on MMPR.

Year	Finfish											Shellfish			Grand total			
	Black drum	Flounder	Atlantic croaker	Gafftopsail catfish	Sheepshead	Kingfish	Mullet	Cobia	Grouper	Snapper	Other	Unclassified		Blue crab		Other	Total	
												Food	Scrap					
1977	28,861	55,084	2,266	10,128	24,444	20,513	535	13,865	8,158	97,198	141,503	53,797	38,864	495,216	11,038	7,813	18,851	514,067
1978	4,955	32,429	5,390	1,634	8,924	16,089	1,340	10,124	17,470	100,449	45,442	18,781	35,905	298,932	502	11,164	11,666	310,598
1979	14,324	20,653	3,742	331	17,147	6,038	2,753	5,629	7,020	62,133	90,923	25,831	62,236	318,760	417	577	994	319,754
1980	7,181	35,081	13	434	4,856	9,424	1,076	1,700	13,957	58,750	44,102	10,763	8,546	195,883	485	0	485	196,368
1981	4,900	16,644	0	2,081	6,657	10,178	9,881	8,289	4,796	20,996	8,271	1,067	4,167	97,927	519	0	519	98,446
1982	4,683	56,556	0	1,373	15,794	19,301	3,204	15,532	10,477	97,911	346	12,312	0	237,489	48	1,340	1,431	238,920
1983	2,137	37,650	160	4,565	2,264	8,738	19,922	6,997	6,876	97,665	31	621	0	187,626	26,709	1,288	27,997	215,623
1984	3,048	32,968	1,198	2,757	7,403	9,518	9,350	5,542	5,822	51,089	3,640	0	0	132,335	26,378	13,380	39,758	172,093
1985	4,946	25,750	1,139	12,005	7,538	11,690	39,653	1,097	14,389	103,718	33,104	2,601	3,839	261,469	21,566	6,575	28,141	289,610

Table C. 3. Weight (lb) of each species, except shrimp, landed commercially from Gulf of Mexico grid zone 19.0 during 1977-1985. Data based on MMPR.

Year	Finfish													Shellfish			Grand Total	
	Finfish													Shellfish				
	Black drum	Atlantic croaker	Gafftopsail catfish	Sheepshead	Kingfish	Mullet	Cobia	Grouper	Snapper	Other	Unclassified Food	Scrap	Total	Blue crab	Other	Total		
1977	10,039	33,124	0	3,142	1,953	1,050	239	4,142	3,538	57,780	14,341	1,860	4,164	1,35,372	137	532	669	1,36,041
1978	4,464	6,646	59	211	663	1,101	577	3,236	10,972	69,671	4,878	657	237	103,372	0	50	50	103,422
1979	8,555	1,208	0	29	1,969	2,174	26,066	2,045	2,698	41,243	50,360	3,392	0	139,739	0	0	0	139,739
1980	591	2,265	2,358	0	1,700	187	3,330	540	5,214	70,449	13,650	986	10	101,280	0	0	0	101,280
1981	1,356	609	0	0	102	2,049	0	5,414	10,848	49,586	11,803	0	0	81,767	0	0	0	81,767
1982	470	19,412	0	0	848	2,879	0	8,578	29,583	153,504	3,289	2,889	0	221,452	0	0	0	221,452
1983	3,042	25,312	764	246	691	1,411	72	10,200	22,320	81,760	5	17,641	701	164,165	2,611	2,128	4,739	168,904
1984	1,204	24,865	0	1,687	403	3,029	420	6,374	13,258	134,083	54,133	7,396	2,086	248,938	0	4,151	4,151	253,089
1985	2,544	17,593	0	232	772	2,339	0	2,861	117,217	116,553	94,596	62,537	3,224	420,468	7,216	4,725	11,941	432,409

Table C. 4. Weight (lb) of each species, except shrimp, landed commercially from Gulf of Mexico grid zone 20.0 during 1977-1985. Data based on MMPR.

Year	Finfish													Shellfish			Grand Total	
	Finfish													Shellfish				
	Black drum	Atlantic croaker	Gafftopsail catfish	Sheepshead	Kingfish	Mullet	Cobia	Grouper	Snapper	Other	Unclassified Food	Scrap	Total	Blue crab	Other	Total		
1977	116	298	0	0	0	0	100	0	0	0	337	0	0	851	0	0	0	851
1978	0	0	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	0	0
1980	0	0	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	0	0
1982	1,136	403	0	616	0	0	0	0	0	0	0	0	0	2,155	0	0	0	2,155
1983	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	4,603	13,843	0	262	2,577	1,591	0	745	5,680	76,541	3,073	0	0	108,915	0	1,450	1,450	110,365
1985	1,510	7,706	277	815	16,764	2,282	3,000	1,956	76,568	126,273	37,836	12	5	275,004	0	3,409	3,409	278,413

Table C.5. Weight (lb) of each species, except shrimp, landed commercially from Gulf of Mexico grid zone 21.0 during 1977-1985. Data based on MMPR.

Year	Finfish											Shellfish			Grand total			
	Finfish											Shellfish						
	Black drum	Flounder	Atlantic croaker	Gafftopsail catfish	Sheepshead	Kingfish	Mullet	Cobia	Grouper	Snapper	Other	Unclassified Food	Scrap	Total		Blue crab	Other	Total
1977	17,966	9,091	163	36	5,909	412	0	1,775	9,673	248,811	3,245	16,379	0	313,460	0	179	179	313,639
1978	3,326	2,856	4,721	25,144	1,129	438	26,351	339	11,467	216,627	393	7,470	0	300,261	0	0	0	300,261
1979	3,659	2,651	0	0	2,935	170	0	0	4,582	108,134	1,205	1,766	341	125,443	0	0	0	125,443
1980	3,357	4,134	0	0	64	33	0	0	3,335	101,584	556	279	0	113,342	0	0	0	113,342
1981	7,972	8,590	2,350	0	1,894	26	0	0	14,194	94,833	17,519	33,359	0	180,737	0	0	0	180,737
1982	18,158	16,070	338	38	722	1,069	0	0	24,708	117,550	0	51,941	535	231,129	0	1,895	1,895	233,024
1983	6,563	8,339	170	1,002	237	229	418	9	5,531	76,920	6	28,852	0	128,276	460	1,652	2,112	130,388
1984	21,717	3,240	0	115	627	398	0	41	8,130	184,674	18,156	21,754	0	258,852	0	1,765	1,765	260,617
1985	2,408	12,070	0	2,214	332	884	0	0	26,276	265,963	43,938	814	0	354,899	0	2,995	2,995	357,894

Table C.6. Ex-vessel value (\$) of each species, except shrimp, landed commercially in Gulf of Mexico grid zone 17.0 during 1977-1985. Data based on MMPR.

Year	Finfish											Shellfish			Grand total			
	Finfish											Shellfish						
	Black drum	Flounder	Atlantic croaker	Gafftopsail catfish	Sheepshead	Kingfish	Mullet	Cobia	Grouper	Snapper	Other	Unclassified Food	Scrap	Total		Blue crab	Other	Total
1977	1,558	1,529	93	10	331	966	0	50	159	32,954	2,030	0	0	39,680	0	0	0	39,680
1978	4,091	1,222	0	20	17	346	0	0	0	1,725	357	108	0	7,886	159	3	162	8,048
1979	23	622	0	15	139	66	0	0	0	4,280	3,943	0	0	9,088	30	0	30	9,118
1980	16	2,242	36	0	53	463	0	0	262	1,170	197	18	42	4,499	694	0	694	5,193
1981	17	1,562	7	112	142	150	71	0	1	458	90	0	123	2,733	1,520	0	1,520	4,253
1982	21	2,236	9	8	302	315	0	0	0	0	0	0	26	2,917	742	46	788	3,705
1983	70	2,224	3	6	106	181	0	0	0	9,062	0	70	120	11,842	2,545	60	2,605	14,447
1984	8	3,316	8	0	38	91	0	0	328	11,051	0	0	72	14,998	333	140	473	15,471
1985	5	7,180	0	14	49	1,154	0	0	21,108	33,148	2,646	348	63	65,715	888	28	916	66,631

Table C. 7. Ex-vessel value (\$) of each species, except shrimp, landed commercially from Gulf of Mexico grid zone 18.0 during 1977-1985. Data based on MMPR.

Year	Finfish											Shellfish			Grand total			
	Black drum	Flounder	Atlantic croaker	Gafftopsail catfish	Sheepshead	Kingfish	Mullet	Cobia	Grouper	Snapper	Other	Unclassified		Blue crab		Other		
												Food	Scrap				Total	
1977	6,144	28,295	515	1,727	4,441	3,021	120	3,485	1,909	85,618	79,622	10,640	4,464	230,001	2,199	2,222	4,421	234,422
1978	1,097	18,078	1,060	380	1,412	2,121	536	3,380	4,370	94,228	30,042	4,720	3,639	165,063	92	3,190	3,282	168,345
1979	5,222	13,949	626	79	3,083	897	444	2,362	2,840	74,384	80,184	7,984	7,474	199,528	146	179	325	199,853
1980	1,630	24,689	3	129	1,057	1,752	163	880	5,507	78,035	47,018	4,373	615	165,851	118	0	118	165,969
1981	1,044	11,550	0	1,976	1,325	2,364	1,252	4,357	2,537	27,916	10,153	280	221	64,975	208	0	208	65,183
1982	1,906	48,195	0	475	4,290	4,115	486	9,065	5,369	168,969	70	3,152	0	246,092	48	558	606	246,698
1983	886	23,660	56	1,202	619	2,182	3,225	4,928	4,178	144,159	45	193	0	185,333	7,191	502	7,693	193,026
1984	1,100	22,020	539	983	1,700	2,480	1,183	3,384	4,281	86,140	4,374	0	0	128,184	6,618	4,773	11,391	139,575
1985	2,927	22,726	221	3,726	1,735	3,968	5,387	643	10,606	181,665	36,460	404	452	270,920	5,851	3,496	9,347	280,267

Table C. 8. Ex-vessel value (\$) of each species, except shrimp, landed commercially from Gulf of Mexico grid zone 19.0 during 1977-1985. Data based on MMPR.

Year	Finfish											Shellfish			Grand total			
	Black drum	Flounder	Atlantic croaker	Gafftopsail catfish	Sheepshead	Kingfish	Mullet	Cobia	Grouper	Snapper	Other	Unclassified		Blue crab		Other		
												Food	Scrap				Total	
1977	1,952	16,543	0	2,546	341	109	27	982	1,072	39,627	8,044	361	416	72,020	29	113	142	72,162
1978	1,021	3,451	6	47	34	165	76	920	2,174	63,698	3,496	169	12	75,269	0	13	13	75,282
1979	2,992	658	0	5	289	227	2,002	461	745	43,733	38,959	677	0	90,748	0	0	0	90,748
1980	382	1,998	167	0	243	47	500	259	2,418	114,454	12,137	737	2	133,344	0	0	0	133,344
1981	285	563	0	0	34	410	0	2,929	5,181	74,471	15,116	0	0	98,989	0	0	0	98,989
1982	94	18,460	0	0	186	550	0	4,019	17,094	271,642	3,125	1,903	0	317,073	0	0	0	317,073
1983	1,654	18,957	115	86	90	379	18	5,268	22,795	119,931	9	5,599	42	174,943	639	1,009	1,648	176,591
1984	663	17,435	0	914	96	488	188	4,835	11,954	242,157	16,130	5,296	132	300,288	0	2,854	2,854	303,142
1985	894	13,458	0	151	61	601	0	1,675	105,205	220,538	114,560	14,941	901	472,985	1,798	4,071	5,869	478,854

Table C.9. Ex-vessel value (\$) of each species, except shrimp, landed commercially from Gulf of Mexico grid zone 20.0 during 1977-1985. Data based on MMPR.

Year	Finfish											Shellfish			Grand total								
	Atlantic croaker		Gafftopsail catfish		Sheepshead		Kingfish		Mullet		Cobia		Grouper			Snapper		Other		Unclassified Food Scrap		Blue crab	
	Black drum	Flounder	Atlantic croaker	Gafftopsail catfish	Sheepshead	Kingfish	Mullet	Cobia	Grouper	Snapper	Other	Unclassified Food	Scrap	Total		Blue crab	Other	Total	Blue crab	Other	Total		
1977	35	149	0	0	0	0	5	0	0	0	173	0	0	362	0	0	0	0	0	0	0	362	
1978	0	0	0	0	0	0	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	0	0	0	0	0	0	
1980	0	0	0	0	0	0	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	0	0	0	0	0	0	
1982	682	383	0	0	0	0	0	0	0	1,170	0	0	0	2,235	0	0	0	0	0	0	0	2,235	
1983	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
1984	1,367	10,451	0	69	516	268	0	500	4,959	143,496	2,644	0	0	164,270	0	0	0	0	0	0	0	1,352	
1985	1,315	5,860	56	293	2,762	273	300	1,433	55,386	246,469	40,130	12	1	354,290	0	0	0	0	0	0	0	1,507	

Table C.10. Ex-vessel (\$) of each species, except shrimp, landed commercially from Gulf of Mexico grid zone 21.0 during 1977-1985. Data based on MMPR.

Year	Finfish											Shellfish			Grand total								
	Atlantic croaker		Gafftopsail catfish		Sheepshead		Kingfish		Mullet		Cobia		Grouper			Snapper		Other		Unclassified Food Scrap		Blue crab	
	Black drum	Flounder	Atlantic croaker	Gafftopsail catfish	Sheepshead	Kingfish	Mullet	Cobia	Grouper	Snapper	Other	Unclassified Food	Scrap	Total		Blue crab	Other	Total	Blue crab	Other	Total		
1977	2,270	2,647	24	7	430	59	0	197	2,014	262,676	1,054	1,753	0	273,131	0	0	37	0	0	0	37	273,168	
1978	596	1,262	472	12,227	169	43	1,917	119	3,217	243,850	487	829	0	265,188	0	0	0	0	0	0	0	265,188	
1979	549	1,245	0	0	294	9	0	0	3,111	139,154	2,049	690	34	147,135	0	0	0	0	0	0	0	147,135	
1980	1,018	2,260	0	0	10	15	0	0	1,549	157,616	454	42	0	162,964	0	0	0	0	0	0	0	162,964	
1981	3,207	6,911	470	0	189	5	0	0	6,471	164,486	24,585	6,929	0	213,253	0	0	0	0	0	0	0	213,253	
1982	6,289	13,173	54	8	143	117	0	0	20,257	227,404	0	12,543	72	280,060	0	0	390	0	0	0	390	280,450	
1983	3,039	6,377	32	601	39	58	60	9	4,869	110,355	10	6,547	0	131,996	245	410	0	0	0	0	0	655	
1984	6,112	2,421	0	35	103	39	0	29	5,939	335,990	9,275	6,208	0	366,151	0	0	522	0	0	0	522	366,673	
1985	693	11,411	0	1,548	53	343	0	0	19,723	488,259	18,277	2,829	0	543,146	0	0	622	0	0	0	622	543,758	

Appendix D. Monthly commercial finfish and shellfish landings (lb) and ex-vessel value (\$) from Texas bay systems during 1985.

Table D.1. Weight (lb) of each species landed commercially from the Sabine Lake system during 1985. Data based on NMPP and NMFS.

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total
FINFISH													
Black drum	0	0	0	0	0	0	0	0	0	0	486	0	486
Flounder, unclassified	108	108	0	0	0	0	0	57	0	484	831	695	2,283
Kingfish, unclassified	0	0	0	0	0	0	0	262	0	176	55	59	552
Seatrout, sand	0	0	0	0	0	0	0	0	0	0	62	0	62
Sheepshead	0	0	0	0	0	0	0	82	0	412	590	508	1,592
Unclassified food	0	0	0	0	0	0	0	94	0	0	0	0	94
Unclassified scrap	0	0	0	0	0	0	0	275	0	0	0	0	275
Total finfish	108	108	0	0	0	0	0	770	0	1,072	2,024	1,262	5,344
SHELLFISH													
Shrimp (heads on)													
White	0	0	0	0	0	0	85	2,103	7,839	0	11,142	0	21,169
Total Shrimp	0	0	0	0	0	0	85	2,103	7,839	0	11,142	0	21,169
Blue crab	17,962	17,553	36,207	46,176	54,670	77,158	40,099	114,752	55,419	28,137	142,161	43,464	673,758
Total shellfish	17,962	17,553	36,207	46,176	54,670	77,158	40,184	116,855	63,258	28,137	153,303	43,464	694,927
Grand Total	18,070	17,661	36,207	46,176	54,670	77,158	40,184	117,625	63,258	29,209	155,327	44,726	700,271

Table D.2. Weight (lb) of each species landed commercially from the Galveston Bay system during 1985. Data based on MHPR and NMFS.

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total
FINFISH													
Atlantic croaker	0	0	0	1	433	1,870	3,937	8,679	7,808	6,351	2,198	451	31,728
Atlantic moonfish	0	0	0	0	0	0	0	0	120	0	0	0	120
Black drum	3,031	6,390	1,787	6,021	16,824	23,503	13,418	19,035	6,954	5,981	5,052	6,595	114,591
Florida pompano	36	0	0	0	0	298	56	0	105	0	0	0	495
Flounder, unclassified	5,044	2,174	1,551	3,030	3,942	1,582	5,356	6,362	10,305	48,042	54,874	6,855	149,117
Gafftopsail catfish	0	0	582	1,729	8,153	3,977	707	732	4,240	115	64	673	20,972
Kingfish, unclassified	345	0	483	0	594	382	2	9	113	292	330	90	2,640
Mackerel, Spanish	0	0	0	0	0	884	168	0	0	0	0	0	1,052
Mullet, unclassified	0	1,000	5,182	580	19,925	30,904	13,963	13,014	13,752	19,218	9,512	3,500	130,550
Shark, unclassified	0	0	0	0	73	167	0	0	5	0	0	0	245
Seatrout, sand	0	0	0	0	0	0	11	16	11	788	501	807	2,134
Sheepshead	3,844	4,168	1,215	1,834	2,006	2,961	491	2,401	3,702	10,280	10,190	7,449	50,581
Unclassified food	0	0	333	4,673	660	3,679	2,504	19,954	1,306	6,365	3,017	912	43,403
Unclassified scrap	108	25	0	2,353	1,841	23,970	15,243	2,706	7,654	10,148	7,701	4,707	76,456
Total finfish	12,448	13,757	11,133	20,221	54,451	94,177	55,856	72,908	56,075	107,580	93,439	32,039	624,084
SHELLFISH													
Shrimp (heads on)													
Brown and pink	0	0	0	0	179,450	427,623	572,022	468,779	0	213	2,961	0	1,651,048
White	51,346	0	0	100	28,797	15,632	65,515	483,259	794,040	651,175	350,240	198,452	2,638,555
Total Shrimp	51,346	0	0	100	208,247	443,255	637,537	952,038	794,040	651,388	353,201	198,452	4,289,603
Atlantic bay scallop	0	0	0	0	0	30	50	0	0	0	0	0	80
Blue crab	34,937	33,719	41,611	161,180	251,561	486,998	253,358	162,643	170,504	289,742	198,577	66,816	2,151,646
Oyster, Eastern	395,349	434,708	172,923	189,897	44,102	95,919	43,838	48,091	47,986	68,689	720,972	932,931	3,195,405
Squid, unclassified	0	10	0	114	125	330	161	1,003	2,874	2,662	665	110	8,054
Stone crab	0	0	116	450	720	60	210	544	930	476	644	96	4,246
Total shellfish	481,632	468,437	214,650	351,741	504,755	1,026,592	935,154	1,164,318	1,016,334	1,012,957	1,274,059	1,198,405	9,649,034
Grand Total	494,080	482,194	225,783	371,962	559,206	1,120,769	991,010	1,237,226	1,072,409	1,120,537	1,367,498	1,230,444	10,273,118

Table D.3. Weight (lb) of each species landed commercially from the Matagorda Bay system during 1985. Data based on MPR and MFS.

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total
FINFISH													
Black drum	47	1,036	5	0	0	0	0	31	32	6	121	6,814	8,092
Flounder, unclassified	781	1,218	385	449	2,796	2,769	3,453	2,989	2,480	2,754	3,964	4,786	28,824
Gafftopsail catfish	0	0	0	0	52	229	6	0	163	0	95	0	545
Kingfish, unclassified	0	0	0	0	0	20	0	80	0	0	0	0	100
Mullet, unclassified	44,843	67,145	0	0	212	2,970	101	656	635	1,376	0	0	117,938
Seatrout, sand	0	0	0	0	0	0	0	0	11	0	0	0	11
Sheepshead	0	0	0	120	657	499	139	316	841	131	621	2,462	5,786
Unclassified food	0	0	92	0	0	0	0	408	0	0	0	0	500
Unclassified scrap	60,983	42,950	2,057	0	51,073	41	142	55	0	0	0	0	157,301
Total finfish	106,654	112,349	2,539	569	54,790	6,528	3,841	4,535	4,162	4,267	4,801	14,062	319,017
SHELLFISH													
Shrimp (heads on) ^a													
Brown and pink	0	0	0	7,804	650,625	865,113	638,846	27,792	0	837	3,840	0	2,194,857
White	31,100	3,562	0	19,237	40,841	14,701	57,367	1,009,314	534,600	674,587	230,114	63,547	2,678,970
Other	2,707	0	0	0	0	0	0	0	0	0	0	0	2,707
Total Shrimp	33,807	3,562	0	27,041	691,466	879,814	696,213	1,037,106	534,600	675,424	233,954	63,547	4,876,534
Blue crab	13,320	61,489	82,810	159,927	113,975	844	124,921	73,916	62,864	98,502	129,752	66,909	989,229
Oyster, Eastern	54,899	30,207	16,820	14,422	0	0	0	0	0	0	6,144	858	123,350
Squid, unclassified	0	0	75	165	216	338	572	1,180	427	977	299	289	4,538
Stone crab	0	0	312	0	0	0	818	810	582	78	116	12	2,728
Total shellfish	102,026	95,258	100,017	201,555	805,657	880,996	822,524	1,113,012	598,473	774,981	370,265	131,615	5,996,379
Grand Total	208,680	207,607	102,556	202,124	860,447	887,524	826,365	1,117,547	602,635	779,248	375,066	145,677	6,315,476

^aMFS reports East Matagorda Bay system shrimp landings as combined with Matagorda Bay system shrimp landings.

Table D.4. Weight (lb) of each species landed commercially from the East Matagorda Bay system during 1985. Data based on MPR and MMFS.

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total
FINFISH													
Flounder, unclassified	0	0	0	0	0	0	4	40	0	0	0	0	44
Total finfish	0	0	0	0	0	0	4	40	0	0	0	0	44
SHELLFISH^a													
Blue crab	0	0	0	0	0	157,160	322	0	0	0	0	0	157,482
Oyster, Eastern	630	683	0	0	0	0	0	0	0	0	840	315	2,468
Total shellfish	630	683	0	0	0	157,160	322	0	0	0	840	315	159,950
Grand Total	630	683	0	0	0	157,160	326	40	0	0	840	315	159,994

^aMMFS reports East Matagorda Bay system shrimp landings as combined with Matagorda Bay system shrimp landings.

Table D.5. Weight (lb) of each species landed commercially from the San Antonio Bay system during 1985. Data based on NMFS and NMFS.

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total
FINFISH													
Black drum	101	745	67	352	168	147	5,046	394	0	318	104	492	7,934
Flounder, unclassified	8	75	107	473	2,015	3,518	2,242	2,427	378	984	1,743	328	14,298
Gafftopsail catfish	0	0	118	155	435	329	0	37	0	112	108	959	2,253
Kingfish, unclassified	0	0	0	0	0	0	452	0	0	0	0	0	452
Mullet, unclassified	0	0	5	5	2	28	121	215	0	73	143	23	615
Seatrout, sand	0	0	7	0	0	0	1	0	0	113	217	0	338
Shark, unclassified	0	0	0	0	0	339	0	58	0	0	0	0	397
Sheepshead	1	1,089	3	261	751	858	1,627	605	0	3,989	209	183	9,576
Unclassified food	0	0	0	0	0	0	0	317	0	0	0	0	317
Total finfish	110	1,909	307	1,246	3,371	5,219	9,489	4,053	378	5,589	2,524	1,985	36,180
SHELLFISH													
Shrimp (heads on)													
Brown and pink	0	0	0	21,120	567,805	368,308	180,840	11,772	0	39,706	15,693	6	1,205,250
White	0	0	0	0	508	154	5,116	160,488	165,319	303,727	35,800	9,286	680,398
Total Shrimp	0	0	0	21,120	568,313	368,462	185,956	172,260	165,319	343,433	51,493	9,292	1,885,648
Blue crab	46,841	55,178	94,470	230,988	385,429	508,144	391,890	369,197	265,303	283,979	355,178	1,149	2,987,746
Oyster, Eastern	194,306	207,675	151,516	77,719	0	0	0	0	0	0	592,413	276,714	1,500,343
Squid, unclassified	0	0	0	0	0	71	0	28	0	266	0	0	365
Stone crab	387	3,576	6,242	3,132	15,240	0	5,006	1,886	0	4,000	7,159	297	46,925
Total shellfish	241,534	266,429	252,228	332,959	968,982	876,677	582,852	543,371	430,622	631,678	1,006,243	287,452	6,421,027
Grand Total	241,644	268,338	252,535	334,205	972,353	881,896	592,341	547,424	431,000	637,267	1,008,767	289,437	6,457,207

Table D.6. Weight (lb) of each species landed commercially from the Aransas Bay system during 1985. Data based on MMPR and NMFS.

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total
FINFISH													
Black drum	4,363	2,287	1,135	1,571	584	341	795	795	568	767	1,064	1,386	15,656
Florida pompano	0	0	0	12	0	0	0	0	0	0	7	0	19
Flounder, unclassified	1,489	726	421	1,098	272	3,903	2,595	3,007	3,250	2,681	20,198	4,965	44,605
Kingfish, unclassified	0	0	0	0	0	0	0	145	0	0	0	0	145
Seatrout, sand	13	0	0	0	23	0	0	0	0	0	0	0	36
Sheepshead	2,653	2,441	720	594	248	335	91	0	0	0	1,036	3,147	11,265
Unclassified scrap	0	0	0	0	0	0	6,100	0	0	0	0	0	6,100
Total finfish	8,518	5,454	2,276	3,275	1,127	4,579	9,581	3,947	3,818	3,448	22,305	9,498	77,826
SHELLFISH													
Shrimp (heads on)													
Brown and pink	0	0	0	6,313	1,053,969	783,196	484,971	50,667	1,803	143,263	23,181	4,343	2,551,706
White	0	0	0	69	0	1,212	7,009	382,605	239,432	153,792	18,603	3,745	806,467
Other	0	0	0	0	0	0	0	252	0	0	0	0	252
Total shrimp	0	0	0	6,382	1,053,969	784,408	491,980	433,524	241,235	297,055	41,784	8,088	3,358,425
Blue crab	55,833	111,180	94,755	147,802	157,197	602,590	304,755	242,303	181,957	98,227	114,438	120,436	2,231,473
Oyster, Eastern	43,875	25,849	50,314	48,809	0	0	0	0	0	0	46,149	1,821	216,817
Squid, unclassified	0	0	0	0	0	39	0	0	0	0	560	0	599
Stone crab	463	0	1,238	0	0	302	1,972	298	208	0	0	0	4,481
Total shellfish	100,171	137,029	146,307	202,993	1,211,166	1,387,339	798,707	676,125	423,400	395,282	202,931	130,345	5,811,795
Grand Total	108,689	142,483	148,583	206,268	1,212,293	1,391,918	808,288	680,072	427,218	398,730	225,236	139,843	5,889,621

Table D.7. Weight (lb) of each species landed commercially from the Corpus Christi Bay system during 1985. Data based on MMPR and MIFS.

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total
FINFISH													
Atlantic croaker	0	0	0	0	0	0	0	0	0	3,977	138	0	4,115
Black drum	3,738	4,400	2,694	1,091	166	8	68	0	466	1,249	5,030	10,399	29,309
Florida pompano	0	0	0	88	0	0	0	0	0	56	47	2	193
Flounder, unclassified	503	1,194	55	120	872	1,953	1,720	1,837	1,635	4,842	31,611	40,428	86,770
Mullet, unclassified	22	4,000	0	200	0	0	0	0	0	0	0	200	4,422
Seatout, sand	0	0	0	0	0	0	0	0	0	5	0	0	5
Sheepshead	1,353	15,085	5,067	842	128	23	33	80	77	351	1,165	15,050	39,254
Unclassified food	0	0	0	430	114	0	0	0	0	18	10	0	572
Unclassified scrap	0	0	0	0	0	968	0	0	3,467	3,715	2,392	178	10,770
Total finfish	5,616	25,250	7,816	2,905	1,288	2,952	1,821	1,917	5,856	15,950	40,850	66,257	178,478
SHELLFISH													
Shrimp (heads on)													
Brown and pink	0	35	36,237	142,691	594,477	431,967	64,785	11,439	2,368	49,939	44,983	25,135	1,404,056
White	14,933	0	0	1,302	2,578	0	0	63,579	33,992	76,509	62,311	19,503	274,707
Total Shrimp	14,933	35	36,237	143,993	597,055	431,967	64,785	75,018	36,360	126,448	107,294	44,638	1,678,763
Blue crab	2,648	11,382	27,300	24,223	26,666	0	10,735	14,194	12	138	15,488	0	132,786
Squid, unclassified	985	3	200	76	358	194	60	163	572	778	234	10	3,633
Stone crab	0	716	0	3,420	13,740	10,052	4,888	4,492	16,502	11,500	4,832	4,462	74,604
Total shellfish	18,566	12,136	63,737	171,712	637,819	442,213	80,648	93,867	53,446	138,864	127,848	49,110	1,889,786
Grand Total	24,182	37,386	71,553	174,617	639,107	445,165	82,289	95,784	59,302	154,814	168,698	115,367	2,068,264

Table D.8. Weight (lb) of each species landed commercially from the upper Laguna Madre system during 1985. Data based on MMPR and NMFS.

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total
FINFISH													
Black drum	46,441	30,749	31,761	20,717	6,791	5,333	11,585	8,186	34,901	10,964	37,981	39,353	284,762
Florida pompano	24	0	0	0	4	1	17	21	345	0	912	478	1,802
Flounder, unclassified	1,313	1,649	640	503	268	1,099	1,205	699	2,326	853	3,818	3,625	17,998
Gafftopsail catfish	0	154	92	0	0	0	0	4	46	0	0	0	296
Sheepshead	12,765	5,465	989	427	415	830	1,064	369	2,635	1,259	3,138	7,054	36,410
Total finfish	60,543	38,017	33,482	21,647	7,478	7,263	13,871	9,279	40,253	13,076	45,849	50,510	341,268
SHELLFISH													
Shrimp (heads on)													
Brown and pink	0	0	0	0	36,896	109,911	7,127	900	0	2,508	12,230	1,488	171,060
White	0	0	0	0	0	0	0	0	0	0	1,101	165	1,266
Total shrimp	0	0	0	0	36,896	109,911	7,127	900	0	2,508	13,331	1,653	172,326
Blue crab	0	0	0	0	0	0	0	3,549	7,894	13,411	54,585	13,076	92,515
Squid, unclassified	0	400	0	0	0	0	0	0	0	0	0	0	400
Total shellfish	0	400	0	0	36,896	109,911	7,127	4,449	7,894	15,919	67,916	14,729	265,241
Grand Total	60,543	38,417	33,482	21,647	44,374	117,174	20,998	13,728	48,147	28,995	113,765	65,239	606,509

Table D.9. Weight (lb) of each species landed commercially from the lower Laguna Madre system during 1985. Data based on MPR and MFS.

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total
FINFISH													
Black drum	43,473	27,684	16,475	3,172	1,804	326	1,190	3,984	7,716	6,086	12,935	36,009	160,854
Florida pompano	0	0	3	3	3	0	0	2	0	0	89	49	149
Flounder, unclassified	396	713	498	1,078	853	3,109	1,199	3,270	3,250	2,774	3,314	1,398	21,852
Kingfish, unclassified	0	0	0	0	0	0	0	0	0	0	2,316	0	2,316
Sheepshead	487	490	241	16	53	0	31	31	13	4	102	992	2,429
Unclassified food	0	0	0	0	0	0	0	2,539	0	0	0	880	3,419
Total finfish	44,356	28,887	17,217	4,269	2,713	3,435	2,389	9,826	10,979	8,864	18,756	39,328	191,019
SHELLFISH													
Blue crab	2,588	49,487	38,853	44,113	32,872	18,157	12,648	20,020	3,182	6,495	10,908	18,718	258,041
Oyster, Eastern	0	0	1,488	53	841	1,155	1,330	0	210	560	210	0	5,847
Stone crab	0	400	2,400	40	0	0	0	0	0	0	0	0	2,840
Total shellfish	2,588	49,887	42,741	44,206	33,713	19,312	13,978	20,020	3,392	7,055	11,118	18,718	266,728
Grand Total	46,944	78,774	59,958	48,475	36,426	22,747	16,367	29,846	14,371	15,919	29,874	58,046	457,747

Table D.10. Ex-vessel value (\$) of each species landed commercially from the Sabine Lake system during 1985. Data based on MMR and NMFS.

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total
FINFISH													
Black drum	0	0	0	0	0	0	0	0	0	0	462	0	462
Flounder, unclassified	76	59	0	0	0	0	0	42	0	460	741	646	2,024
Kingfish, unclassified	0	0	0	0	0	0	0	68	0	123	22	30	243
Seatrout, sand	0	0	0	0	0	0	0	0	0	0	31	0	31
Sheepshead	0	0	0	0	0	0	0	21	0	165	218	198	602
Unclassified food	0	0	0	0	0	0	0	59	0	0	0	0	59
Unclassified scrap	0	0	0	0	0	0	0	41	0	0	0	0	41
Total finfish	76	59	0	0	0	0	0	231	0	748	1,474	874	3,462
SHELLFISH													
Shrimp (heads on)													
White	0	0	0	0	0	0	68	1,745	3,920	0	5,014	0	10,747
Total Shrimp	0	0	0	0	0	0	68	1,745	3,920	0	5,014	0	10,747
Blue crab	6,631	6,989	13,178	16,097	16,753	23,218	12,152	40,678	19,560	10,067	49,376	16,624	231,323
Total shellfish	6,631	6,989	13,178	16,097	16,753	23,218	12,220	42,423	23,480	10,067	54,390	16,624	242,070
Grand Total	6,707	7,048	13,178	16,097	16,753	23,218	12,220	42,654	23,480	10,815	55,864	17,498	245,532

Table D.11. Ex-vessel value (\$) of each species landed commercially from the Galveston Bay system during 1985. Data based on MMRP and NMFS.

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total
FINFISH													
Atlantic croaker	0	0	0	0	82	265	1,892	1,306	933	868	294	89	5,729
Atlantic moonfish	0	0	0	0	0	0	0	0	48	0	0	0	48
Black drum	1,905	3,104	1,117	5,214	15,072	21,686	11,740	17,883	3,453	2,683	2,681	3,276	89,814
Florida pompano	11	0	0	0	0	224	51	0	130	0	0	0	416
Flounder, unclassified	5,223	2,267	1,552	3,236	4,228	1,552	5,057	6,039	11,191	51,503	57,144	6,391	155,383
Gafftopsail catfish	0	0	204	534	1,590	818	216	146	334	23	36	673	4,574
Kingfish, unclassified	69	0	121	0	118	179	1	4	36	59	149	39	775
Mackerel, spanish	0	0	0	0	0	601	17	0	0	0	0	0	618
Mullet, unclassified	0	100	518	59	2,545	3,710	1,443	1,884	1,325	1,798	908	368	14,658
Shark, unclassified	0	0	0	0	47	89	0	0	2	0	0	0	138
Seatrout, sand	0	0	0	0	0	0	3	4	3	223	142	249	624
Sheepshead	1,046	1,091	365	637	584	547	152	722	1,058	2,411	2,205	1,688	12,506
Unclassified food	0	0	91	2,282	267	1,262	963	9,329	295	1,683	760	314	17,246
Unclassified scrap	11	3	0	253	534	1,575	1,539	529	675	1,024	513	500	7,156
Total finfish	8,265	6,565	3,968	12,215	25,067	32,508	23,074	37,846	119,483	62,275	64,832	13,587	309,685
SHELLFISH													
Shrimp (heads on)													
Brown and pink	0	0	0	0	62,047	182,951	448,684	629,127	0	264	1,096	0	1,324,169
White	31,050	0	0	161	54,445	43,671	43,320	493,721	1,059,877	777,990	313,095	146,872	2,964,202
Total Shrimp	31,050	0	0	161	116,492	226,622	492,004	1,122,848	1,059,877	778,254	314,191	146,872	4,288,371
Atlantic bay scallop	0	0	0	0	0	144	240	0	0	0	0	0	384
Blue crab	15,667	12,546	17,336	64,201	92,886	181,853	97,194	68,644	58,891	106,822	78,526	29,205	823,771
Oyster, Eastern	653,260	736,248	290,184	323,032	76,300	164,379	64,920	82,544	84,120	119,451	1,277,477	1,922,195	5,794,110
Squid, unclassified	0	5	0	37	50	137	59	328	1,120	983	313	28	3,060
Stone crab	0	0	87	227	274	90	263	408	760	343	483	144	3,079
Total shellfish	699,977	748,799	307,607	387,658	286,002	573,225	654,680	1,274,772	1,204,768	1,005,853	1,670,990	2,098,444	10,912,775
Grand Total	708,242	755,364	311,575	399,873	311,069	605,733	677,754	1,312,618	1,224,251	1,068,128	1,735,822	2,112,031	11,222,460

Table D.12. Ex-vessel value (\$) of each species landed commercially from the Matagorda Bay system during 1985. Data based on MMPR and MFS.

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total
FINFISH													
Black drum	33	311	2	0	0	0	0	14	22	3	66	3,339	3,790
Flounder, unclassified	692	914	500	606	3,557	3,520	4,309	3,854	3,254	3,065	4,901	4,266	33,438
Gafftopsail catfish	0	0	0	0	23	76	2	0	99	0	50	0	250
Kingfish, unclassified	0	0	0	0	0	9	0	37	0	0	0	0	46
Mullet, unclassified	4,055	5,356	0	0	53	328	25	91	94	124	0	0	10,126
Seatrout, sand	0	0	0	0	0	0	0	0	21	0	0	0	21
Sheepshead	0	0	0	54	296	215	60	134	340	57	199	510	1,865
Unclassified food	0	0	14	0	0	0	0	74	0	0	0	0	88
Unclassified scrap	3,659	2,577	123	0	3,064	2	17	3	0	0	0	0	9,445
Total finfish	8,439	9,158	639	660	6,993	4,150	4,413	4,207	3,830	3,249	5,216	8,115	59,069
SHELLFISH													
Shrimp (heads on) ^a													
Brown and pink	0	0	0	12,642	284,248	502,901	563,289	23,200	0	494	2,957	0	1,389,731
White	13,062	1,817	0	33,293	119,332	44,411	172,577	1,400,169	817,938	1,076,361	288,300	47,876	4,015,136
Other	677	0	0	0	0	0	0	0	0	0	0	0	677
Total Shrimp	13,739	1,817	0	45,935	403,580	547,312	735,866	1,423,369	817,938	1,076,855	291,257	47,876	5,405,544
Blue crab	4,001	23,229	28,997	55,985	37,625	338	43,722	25,869	22,041	34,180	42,620	20,162	338,769
Oyster, Eastern	87,946	47,097	28,830	23,587	0	0	0	0	0	0	10,067	1,194	198,721
Squid, unclassified	0	0	38	66	86	137	204	579	206	408	132	72	1,928
Stone crab	0	0	234	0	0	0	894	321	345	49	104	7	1,954
Total shellfish	105,686	72,143	58,099	125,573	441,291	547,787	780,686	1,450,138	840,530	1,111,492	344,180	69,311	5,946,916
Grand Total	114,125	81,301	58,738	126,233	448,284	551,937	785,099	1,454,345	844,360	1,114,741	349,396	77,426	6,005,985

^aMFS reports East Matagorda Bay system shrimp landings as combined with Matagorda Bay system shrimp landings.

Table D.13. Ex-vessel value (\$) of each species landed commercially from the East Matagorda Bay system during 1985. Data based on MPR and NMFS.

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total
FINFISH													
Flounder, unclassified	0	0	0	0	0	0	7	46	0	0	0	0	53
Total finfish	0	0	0	0	0	0	7	46	0	0	0	0	53
SHELLFISH^a													
Blue crab	0	0	0	0	0	37,718	129	0	0	0	0	0	37,847
Oyster, Eastern	972	1,053	0	0	0	0	0	0	0	0	1,728	468	4,221
Total shellfish	972	1,053	0	0	0	37,718	129	0	0	0	1,728	468	42,068
Grand Total	972	1,053	0	0	0	37,718	136	46	0	0	1,728	468	42,121

^aNMFS reports East Matagorda Bay system shrimp landings as combined with Matagorda Bay system shrimp landings.

Table D.14. Ex-vessel value (\$) of each species landed commercially from the San Antonio Bay system during 1985. Data based on MMPR and NMFS.

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total
FINFISH													
Black drum	81	522	54	282	136	115	1,594	309	0	254	81	369	3,797
Flounder, unclassified	8	94	128	616	2,549	4,393	2,601	2,892	510	1,378	2,353	335	17,857
Gafftopsail catfish	0	0	47	39	109	66	0	7	0	39	81	537	925
Kingfish, unclassified	0	0	0	0	0	0	99	0	0	0	0	0	99
Mullet, unclassified	0	0	1	3	1	14	61	108	0	29	57	9	283
Seatrout, sand	0	0	5	0	0	0	1	0	0	79	163	0	248
Shark, unclassified	0	0	0	0	0	146	0	24	0	0	0	0	170
Sheepshead	0	436	1	65	263	292	553	206	0	1,396	84	62	3,358
Unclassified food	0	0	0	0	0	0	0	130	0	0	0	0	130
Total finfish	89	1,052	236	1,005	3,058	5,026	4,909	3,676	510	3,175	2,819	1,312	26,867
SHELLFISH													
Shrimp (heads on)													
Brown and pink	0	0	0	27,667	246,891	154,890	136,257	13,143	0	27,794	12,397	3	619,042
White	0	0	0	0	1,488	534	5,322	214,049	209,955	367,728	35,800	8,265	843,141
Total Shrimp	0	0	0	27,667	248,379	155,424	141,579	227,192	209,955	395,522	48,197	8,268	1,462,183
Blue crab	16,144	19,062	32,810	80,516	134,119	177,694	101,891	129,129	92,756	73,931	99,450	310	957,812
Oyster, Eastern	284,316	306,928	223,329	112,687	0	0	0	0	0	0	897,970	414,511	2,239,741
Squid, unclassified	0	0	0	0	0	36	0	14	0	133	0	0	183
Stone crab	258	2,658	4,682	1,973	7,671	0	4,455	943	0	7,400	6,658	273	36,971
Total shellfish	300,718	328,648	260,821	222,843	390,169	333,154	247,925	357,278	302,711	476,986	1,052,275	423,362	4,696,890
Grand Total	300,807	329,700	261,057	223,848	393,227	338,180	252,834	360,954	303,221	480,161	1,055,094	424,674	4,723,757

Table D.15. Ex-vessel value (\$) of each species landed commercially from the Arkansas Bay system during 1985. Data based on MMPR and NMFS.

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total
FINFISH													
Black drum	3,549	1,815	882	1,048	555	239	775	700	398	627	853	1,153	12,594
Florida pompano	0	0	0	8	0	0	0	0	0	0	4	0	12
Flounder, unclassified	1,743	838	450	1,419	347	4,580	2,456	3,240	3,894	2,729	19,343	4,156	45,195
Kingfish, unclassified	0	0	0	0	0	0	0	62	0	0	0	0	62
Seatrout, sand	6	0	0	0	13	0	0	0	0	0	0	0	19
Sheepshead	521	286	183	143	75	91	32	0	0	0	200	643	2,174
Unclassified scrap	0	0	0	0	0	0	610	0	0	0	0	0	610
Total finfish	5,819	2,939	1,515	2,618	990	4,910	3,873	4,002	4,292	3,356	20,400	5,952	60,666
SHELLFISH													
Shrimp (heads on)													
Brown and pink	0	0	0	10,416	493,892	328,942	441,324	51,174	1,316	80,227	17,618	3,822	1,428,731
White	0	0	0	204	0	3,478	6,168	554,777	397,457	230,688	29,393	12,471	1,234,636
Other	0	0	0	0	0	0	0	144	0	0	0	0	144
Total Shrimp	0	0	0	10,620	493,892	332,420	447,492	606,095	398,773	310,915	47,011	16,293	2,663,511
Blue crab	18,422	50,758	32,923	52,731	53,850	197,100	93,094	79,942	63,729	27,657	36,614	36,927	743,747
Oyster, Eastern	70,425	42,730	80,020	78,959	0	0	0	0	0	0	67,321	2,855	342,310
Squid, unclassified	0	0	0	0	0	19	0	0	0	0	280	0	299
Stone crab	139	0	1,548	0	0	621	3,293	217	146	0	0	0	5,964
Total shellfish	88,986	93,488	114,491	142,310	547,742	530,160	543,879	686,254	462,648	338,572	151,226	56,075	3,755,831
Grand Total	94,805	96,427	116,006	144,928	548,732	535,070	547,752	690,256	466,940	341,928	171,626	62,027	3,816,497

Table D.16. Ex-vessel value (\$) of each species landed commercially from the Corpus Christi Bay system during 1985. Data based on MMPR and NMFS.

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total
FINFISH													
Atlantic croaker	0	0	0	0	0	0	0	0	0	0	35	0	826
Black drum	2,937	3,680	2,021	1,036	91	6	45	0	443	1,307	4,126	8,124	23,816
Florida pompano	0	0	0	84	0	0	0	0	0	53	47	2	186
Flounder, unclassified	589	1,302	66	153	1,120	2,623	2,078	2,331	2,007	4,117	30,628	35,558	82,572
Gafftopsail catfish	0	314	0	50	1	0	0	0	64	415	114	0	958
Kingfish, unclassified	0	0	0	0	0	0	0	0	0	2	0	0	2
Mullet, unclassified	4	400	0	20	0	0	0	0	0	0	0	20	444
Seatrout, sand	0	0	0	0	0	0	0	0	0	1	0	0	1
Sheepshead	327	2,517	1,131	253	39	6	9	21	16	69	211	3,160	7,759
Unclassified food	0	0	0	65	52	0	0	0	0	18	4	0	139
Unclassified scrap	0	0	0	0	0	97	0	0	347	375	244	93	1,156
Total finfish	3,857	8,213	3,218	1,661	1,303	2,732	2,132	2,352	2,877	7,148	35,409	46,957	117,859
SHELLFISH													
Shrimp (heads on)													
Brown and pink	0	39	48,232	232,301	305,195	237,335	58,954	14,295	2,960	42,448	47,232	27,146	1,016,137
White	16,373	0	0	2,991	6,213	0	0	81,127	47,589	110,173	79,758	22,428	366,652
Total Shrimp	16,373	39	48,232	235,292	311,408	237,335	58,954	95,422	50,549	152,621	126,990	49,574	1,382,789
Blue crab	848	5,691	7,917	8,478	7,471	0	4,262	4,258	7	72	5,886	0	44,890
Squid, unclassified	394	1	160	35	125	78	24	66	229	336	163	4	1,615
Stone crab	0	358	0	3,645	8,519	11,258	4,008	3,731	9,586	6,948	4,991	5,076	58,120
Total shellfish	17,615	6,089	56,309	247,450	327,523	248,671	67,248	103,477	60,371	159,977	138,030	54,654	1,487,414
Grand Total	21,472	14,302	59,527	249,111	328,826	251,403	69,380	105,829	63,248	167,125	173,439	101,611	1,605,273

Table D.17. Ex-vessel value (\$) of each species landed commercially from the upper Laguna Madre system during 1985. Data based on MMPR and MFES.

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total
FINFISH													
Black drum	23,983	18,290	18,459	14,995	3,579	2,932	7,655	4,545	19,720	10,416	20,007	19,877	164,458
Florida pompano	23	0	0	0	4	1	17	26	328	0	890	406	1,695
Flounder, unclassified	1,256	1,824	747	546	283	1,422	1,141	661	2,370	1,047	3,653	3,398	18,348
Gafftopsail catfish	0	54	51	0	0	0	0	1	16	0	0	0	122
Sheepshead	2,123	1,477	148	83	95	216	180	61	606	394	691	1,247	7,321
Total finfish	27,385	21,645	19,405	15,624	3,961	4,571	8,993	5,294	23,040	11,857	25,241	24,928	191,944
SHELLFISH													
Shrimp (heads on)													
Brown and pink	0	0	0	0	15,127	73,640	6,272	630	0	1,630	9,050	1,414	107,763
White	0	0	0	0	0	0	0	0	0	0	1,156	157	1,313
Total Shrimp	0	0	0	0	15,127	73,640	6,272	630	0	1,630	10,206	1,571	109,076
Blue crab	0	0	0	0	0	0	0	1,065	2,921	5,364	17,608	3,925	30,883
Squid, unclassified	0	200	0	0	0	0	0	0	0	0	0	0	200
Total shellfish	0	200	0	0	15,127	73,640	6,272	1,695	2,921	6,994	27,814	5,496	140,159
Grand Total	27,385	21,845	19,405	15,624	19,088	78,211	15,265	6,989	25,961	18,851	53,055	30,424	332,103

Table D. 18. Ex-vessel value (\$) of each species landed commercially from the lower Laguna Madre system during 1985. Data based on MMPR and NMFS.

Species	Months												Total
	January	February	March	April	May	June	July	August	September	October	November	December	
FINFISH													
Black drum	30,535	18,333	12,696	2,409	1,389	243	801	3,465	6,344	4,376	9,410	25,190	115,191
Florida pompano	0	0	3	3	6	0	0	2	0	0	174	96	284
Flounder, unclassified	425	635	476	1,069	810	3,549	1,179	3,698	3,773	3,248	3,790	1,346	23,998
Kingfish, unclassified	0	0	0	0	0	0	0	0	0	0	579	0	579
Sheepshead	146	105	48	3	15	0	0	12	5	1	46	248	629
Unclassified food	0	0	0	0	0	0	0	1,799	0	0	0	880	2,679
Total finfish	31,106	19,073	13,223	3,484	2,220	3,792	1,980	8,976	10,122	7,625	13,999	27,760	143,360
SHELLFISH													
Blue crab	776	17,600	13,099	15,379	11,151	4,358	4,427	7,007	1,114	2,273	3,600	5,616	86,400
Oyster, Eastern	0	0	2,819	105	1,680	2,376	2,736	0	432	1,152	432	0	11,732
Stone crab	0	800	3,200	80	0	0	0	0	0	0	0	0	4,080
Total shellfish	776	18,400	19,118	15,564	12,831	6,734	7,163	7,007	1,546	3,425	4,032	5,616	102,212
Grand Total	31,882	37,473	32,341	19,048	15,051	10,526	9,143	15,983	11,668	11,050	18,031	33,376	245,572

Appendix E. Monthly commercial finfish and shellfish landings (lb) and ex-vessel value (\$) from the Gulf of Mexico grid zones during 1985.

Table E.1. Weight (lb) of each species, except shrimp, landed commercially from Gulf of Mexico grid zone 17.0 during 1985. Data based on MPR.

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total
FINFISH													
Black drum	0	0	0	0	0	0	0	0	0	0	20	0	20
Florida pompano	0	0	0	0	0	0	0	0	0	0	575	0	575
Flounder, unclassified	158	17	164	146	257	0	0	0	173	1,147	3,930	3,029	9,021
Gafftopsail catfish	0	0	0	0	0	0	0	0	15	23	14	0	52
Greater amberjack	0	0	0	0	0	0	0	0	471	588	0	1,074	2,133
Grouper, unclassified	0	0	0	0	0	0	0	0	2,817	6,944	122	4,632	14,515
Kingfish, unclassified	0	24	0	59	609	0	275	118	59	630	852	202	2,828
Sheepshead	0	0	18	28	0	0	0	0	33	40	75	0	194
Snapper, red	0	0	0	0	0	0	0	1,107	1,248	2,365	4,620	6,795	16,135
Snapper, unclassified	0	0	0	0	0	0	73	0	0	0	0	985	1,058
Tilefish	0	0	0	0	0	0	0	0	0	549	0	481	1,030
Unclassified food	0	0	0	0	0	0	0	760	0	0	245	16	1,021
Unclassified scrap	0	0	0	75	0	0	0	0	175	175	0	0	425
Total finfish	158	41	182	308	866	0	348	1,985	4,991	12,461	10,453	17,214	49,007
SHELLFISH													
Blue crab	0	0	34	0	536	0	0	0	167	65	1,142	267	2,211
Squid, unclassified	0	54	0	0	0	0	0	0	0	17	0	0	71
Total Shellfish	0	54	-34	0	536	0	0	0	167	82	1,142	267	2,282
Grand total	158	95	216	308	1,402	0	348	1,985	5,158	12,543	11,595	17,481	51,289

Table E.2. Weight (lb) of each species, except shrimp, landed commercially from Gulf of Mexico grid zone 18.0 during 1985. Data based on MHPR.

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total
FINFISH													
Atlantic croaker	0	162	0	0	0	0	800	0	165	0	12	0	1,139
Black drum	343	497	414	192	0	11	14	0	0	1,668	1,344	463	4,946
Cobia	0	0	0	69	39	0	39	0	721	229	0	0	1,097
Dolphin	0	0	0	0	0	46	0	0	0	0	0	0	46
Florida pompano	0	0	0	0	33	205	0	823	0	0	0	11,035	12,096
Flounder, unclassified	238	337	594	769	434	635	1,901	1,245	3,636	4,929	9,771	1,211	25,750
Gafftopsail catfish	0	0	0	9,819	49	0	125	1,647	0	314	0	51	12,005
Greater amberjack	72	118	60	13	3,624	195	0	0	0	0	16	0	4,098
Grouper, unclassified	1,645	1,462	3,127	3,228	97	2,374	177	928	271	0	220	860	14,389
Gulf butterfish	0	0	0	0	0	1,333	2,040	1,356	0	0	0	0	4,729
Kingfish, unclassified	124	146	58	49	2,184	0	387	600	1,865	1,018	3,613	1,646	11,690
Mackerel, king	0	0	0	0	401	0	0	0	0	0	0	0	401
Mackerel, Spanish	0	0	0	0	0	0	0	0	0	211	0	0	211
Mullet, unclassified	0	2,435	0	0	0	0	10,110	18,422	1,649	2,628	4,409	0	39,653
Seatrout, sand	0	0	0	0	0	0	0	0	0	0	0	168	168
Sheepshead	0	1,439	273	911	94	12	265	540	151	234	3,295	374	7,538
Shark, unclassified	0	3,718	0	16	983	0	258	239	0	847	0	0	6,061
Snapper, red	3,458	7,212	4,154	3,759	6,176	4,302	1,993	3,553	18,975	16,161	30,371	2,983	103,097
Snapper, unclassified	0	0	0	33	0	0	0	0	0	15	377	196	621
Swordfish	0	0	0	0	29	0	0	0	0	0	0	1,784	1,813
Tuna, unclassified	0	0	0	0	0	0	0	0	0	0	0	2,598	2,598
Tuna, yellowfin	0	0	0	0	372	0	0	0	0	0	0	511	883
Unclassified food	0	15	10	0	0	2,540	4	0	0	26	6	0	2,601
Unclassified scrap	0	300	0	0	0	3,276	206	57	0	0	0	0	3,839
Total finfish	5,930	17,841	8,690	18,858	14,515	14,929	18,319	29,410	27,433	28,280	53,434	23,830	261,469
SHELLFISH													
Blue crab	0	340	2,485	5,279	1,559	0	0	5,164	2,766	1,359	1,724	890	21,566
Squid, unclassified	0	50	172	344	163	0	331	0	4,019	230	629	277	6,215
Stone crab	0	0	0	0	360	0	0	0	0	0	0	0	360
Total Shellfish	0	390	2,657	5,623	2,082	0	331	5,164	6,785	1,589	2,353	1,167	28,141
Grand total	5,930	18,231	11,347	24,481	16,597	14,929	18,650	34,574	34,218	29,869	55,787	24,997	289,610

Table E.3. Weight (lb) of each species, except shrimp, landed commercially from Gulf of Mexico grid zone 19.0 during 1985. Data based on MHPR.

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total
FINFISH													
Black drum	280	0	188	0	45	16	0	0	1,767	0	98	150	2,544
Cobia	0	0	82	306	116	347	879	877	155	0	70	29	2,861
Dolphin	0	0	0	0	25	0	0	0	0	0	0	0	25
Florida pompano	0	0	0	0	0	0	5	29	1	0	0	0	35
Flounder, unclassified	1,696	854	0	241	489	765	7,114	3,218	207	1,333	825	851	17,593
Gafftopsail catfish	0	0	0	0	0	24	0	0	0	208	0	0	232
Greater amberjack	68	0	1,598	900	835	0	128	446	0	0	101	229	4,305
Grouper, scamp	0	0	37,800	36,545	29,601	29	3,456	3,221	50	119	82	1,150	117,217
Grouper, unclassified	4,172	992	0	0	0	0	189	0	0	0	0	0	189
Gulf butterfish	0	0	0	0	0	0	212	270	0	0	695	95	2,339
Kingfish, unclassified	25	26	135	881	0	0	0	0	0	0	29	90	331
Seatrout, sand	0	155	0	57	0	0	0	0	0	0	32	145	24,518
Shark, unclassified	180	6	4,611	3,119	11,000	0	4,539	0	245	641	0	0	772
Sheepshead	0	700	0	19	0	53	0	0	0	0	0	0	772
Snapper, red	16,336	1,808	13,977	22,813	10,403	2,129	8,720	12,351	1,325	8,713	7,245	8,085	113,905
Snapper, unclassified	105	0	0	788	218	0	0	1,537	0	0	0	0	2,648
Swordfish	0	4,531	4,671	0	16,148	0	0	0	0	0	0	683	26,033
Tilefish	854	0	6,580	11,282	974	0	0	1,068	0	0	0	0	20,758
Tuna, bluefin	0	0	0	0	0	0	2,715	0	0	0	0	0	2,715
Tuna, unclassified	0	0	0	0	2,647	0	7,503	4,299	1	500	0	478	15,428
Unclassified food	0	0	0	0	0	25	1,976	3,761	0	1,479	55,296	0	62,537
Unclassified scrap	0	0	0	0	952	1,156	0	0	0	0	0	1,116	3,224
Total finfish	23,716	9,072	69,642	76,951	73,453	4,544	37,436	31,077	3,751	12,993	64,473	14,022	432,409
SHELLFISH													
Blue crab	0	0	0	0	7,025	0	0	0	0	0	0	191	7,216
Squid, unclassified	21	0	97	32	0	118	1,186	0	0	0	0	471	1,925
Stone crab	0	0	0	0	0	0	0	2,800	0	0	0	0	2,800
Total Shellfish	21	0	97	32	7,025	118	1,186	2,800	0	0	0	662	11,941
Grand total	23,737	9,072	69,739	76,983	80,478	4,662	38,622	33,877	3,751	12,993	64,473	14,022	432,409

Table E.4. Weight (lb) of each species, except shrimp, landed commercially from Gulf of Mexico grid zone 20.0 during 1985. Data based on MHPH.

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total
FINFISH													
Atlantic croaker	0	0	0	0	0	0	0	0	0	276	1	0	277
Black drum	794	0	0	0	0	0	0	0	0	716	0	0	1,510
Cobia	0	299	319	0	0	243	164	0	169	419	0	343	1,956
Codfish, unclassified	0	0	6	0	0	0	0	0	0	0	0	0	6
Dolphin	0	24	0	0	0	0	29	0	0	0	0	0	53
Florida pompano	0	47	55	0	0	90	0	0	0	0	0	0	192
Flounder, unclassified	2,527	0	0	0	0	1,059	66	0	2,788	430	177	659	7,706
Gafftopsail catfish	0	0	123	0	77	0	0	0	615	0	0	0	815
Greater amberjack	237	81	333	328	0	659	879	214	0	0	151	0	2,882
Grouper, scamp	0	0	0	0	0	24	0	0	0	0	0	0	24
Grouper, unclassified	787	29,706	3,829	200	0	39,551	66	0	359	314	6	1,750	76,568
Grouper, warsaw	0	0	0	0	0	0	0	0	0	0	0	621	621
Kingfish, unclassified	0	271	208	247	33	88	0	0	541	894	0	0	2,282
Mackerel, king	0	0	0	0	0	290	1,771	0	0	0	0	0	2,061
Mullet, unclassified	2,000	0	1,000	0	0	0	0	0	0	0	0	0	3,000
Seatrout, sand	634	0	0	0	0	0	0	0	0	0	310	0	944
Shark, shortfin mako	0	0	0	0	0	0	0	0	0	0	0	504	504
Shark, unclassified	770	910	137	19	0	1,174	69	0	12	0	278	0	3,369
Sheepshead	353	0	14,882	1,529	0	0	0	0	0	0	0	0	16,764
Snapper, red	7,347	11,505	4,586	853	469	30,897	2,354	4,125	9,142	3,274	11,023	22,437	108,012
Snapper, unclassified	258	35	0	0	0	909	0	0	21	17,028	10	0	18,261
Swordfish	901	1,833	0	0	0	0	0	0	0	1,288	0	0	4,022
Tilefish	0	13,101	0	0	0	6,865	0	0	0	0	0	0	19,966
Tuna, unclassified	208	445	0	0	1,749	0	0	0	163	0	0	0	2,565
Tuna, yellowfin	0	0	0	0	0	627	0	0	0	0	0	0	627
Unclassified food	12	0	0	0	0	0	0	0	0	0	0	0	12
Unclassified scrap	0	0	0	0	0	0	0	0	0	0	5	0	5
Total finfish	16,828	58,257	25,478	3,176	2,328	82,476	5,398	4,339	13,810	24,639	11,961	26,314	275,004
SHELLFISH													
Squid	258	0	200	200	90	775	0	0	195	100	1,441	150	3,409
Total Shellfish	258	0	200	200	90	775	0	0	195	100	1,441	150	3,409
Grand total	17,086	58,257	25,678	3,376	2,418	83,251	5,398	4,339	14,005	24,739	13,402	26,464	278,413

Table E.5. Weight (lb) of each species, except shrimp, landed commercially from Gulf of Mexico grid zone 21.0 during 1985. Data based on MMRP.

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total
FIMFISH													
Black drum	0	0	475	759	0	0	0	0	0	0	250	924	2,408
Dolphin	0	0	0	0	0	0	0	0	88	0	0	0	88
Florida pompano	0	69	0	0	0	0	0	0	0	0	3	0	72
Flounder, unclassified	0	161	635	76	3,466	2	3,881	413	350	714	1,208	1,164	12,070
Gafftopsail catfish	0	0	0	2	0	0	0	0	0	0	2,212	0	2,214
Greater amberjack	1,075	655	165	689	273	39	403	1,757	1,328	1,845	2,002	1,532	11,763
Grouper, unclassified	1,502	1,070	5,122	3,559	4,768	410	4,591	1,507	879	1,111	721	1,036	26,276
Kingfish, unclassified	0	0	0	0	0	0	0	0	0	532	352	0	884
Mackerel, Spanish	0	0	0	0	0	0	23	0	0	0	0	0	23
Seatrout, sand	0	0	72	826	0	0	0	0	0	0	0	0	898
Shark, unclassified	1,285	1,830	2,547	1,212	2,472	3,911	717	464	2,801	3,740	4,483	3,372	28,834
Sheepshead	0	0	0	22	0	0	19	0	0	0	291	0	332
Snapper, red	20,088	15,293	26,815	18,781	15,682	11,340	22,335	28,105	20,574	32,687	26,042	25,794	263,536
Snapper, unclassified	0	351	0	0	0	0	0	0	686	25	395	970	2,427
Tilefish	0	0	88	0	8	0	0	0	0	0	0	0	96
Tuna, unclassified	0	0	0	0	0	2,034	0	0	130	0	0	0	2,164
Unclassified food	0	0	0	0	0	198	89	372	0	0	155	0	814
Total finfish	23,950	19,429	35,919	25,926	26,669	17,934	32,058	32,618	26,836	40,654	38,114	34,792	354,899
SHELLFISH													
Squid, unclassified	8	73	0	0	0	2,034	734	43	0	65	18	20	2,995
Total Shellfish	8	73	0	0	0	2,034	734	43	0	65	18	20	2,995
Grand total	23,958	19,502	35,919	25,926	26,669	19,968	32,792	32,661	26,836	40,719	38,132	34,812	357,894

Table E.6. Weight (lb) of each shrimp species (heads-on) landed commercially from the Gulf of Mexico during 1985. Data based on NMFS.

Month	Brown and Pink	White	Other	Total
January	1,567,987	600,121	363,830	2,531,938
February	1,274,584	459,593	129,376	1,863,553
March	815,779	772,765	0	1,588,544
April	1,139,622	632,072	615	1,772,309
May	1,455,329	1,292,021	612	2,747,962
June	1,663,603	777,441	64	2,441,108
July	13,493,023	866,627	0	14,359,650
August	8,300,151	1,392,157	67	9,692,375
September	6,097,053	2,873,812	967	8,971,832
October	4,591,819	3,138,917	6,952	7,737,688
November	3,226,839	2,984,072	10,107	6,221,018
December	4,628,308	1,311,141	90,571	6,030,020
Total	48,254,097	17,100,739	603,161	65,957,997

Table E.7. Ex-vessel (\$) value of each species, except shrimp, landed commercially from Gulf of Mexico grid zone 17.0 during 1985. Data based on MMPR.

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total
FINFISH													
Black drum	0	0	0	0	0	0	0	0	0	0	5	0	5
Florida pompano	0	0	0	0	0	0	0	0	0	0	460	0	460
Flounder, unclassified	134	14	136	121	211	0	0	0	155	856	3,281	2,272	7,180
Gafftopsail catfish	0	0	0	0	0	0	0	0	4	6	4	0	14
Greater amberjack	0	0	0	0	0	0	0	0	283	441	0	365	1,089
Grouper, unclassified	0	0	0	0	0	0	0	0	4,085	10,416	86	6,521	21,108
Kingfish, unclassified	0	2	0	18	213	0	187	53	15	295	310	61	1,154
Sheepshead	0	0	5	7	0	0	0	0	8	10	19	0	49
Snapper, red	0	0	0	0	0	0	0	1,618	2,431	4,327	9,017	14,077	31,470
Snapper, unclassified	0	0	0	0	0	0	101	0	0	0	0	1,577	1,678
Tilefish	0	0	0	0	0	0	0	0	0	659	0	438	1,097
Unclassified food	0	0	0	0	0	0	0	304	0	0	37	7	348
Unclassified scrap	0	0	0	11	0	0	0	0	26	26	0	0	63
Total finfish	134	16	141	157	424	0	288	1,975	7,007	17,036	13,219	25,318	65,715
SHELLFISH													
Blue crab	0	0	22	0	188	0	0	0	159	16	386	117	888
Squid, unclassified	0	19	0	0	0	0	0	0	0	9	0	0	28
Total Shellfish	0	19	22	0	188	0	0	0	159	25	386	117	916
Grand total	134	35	163	157	612	0	288	1,975	7,166	17,061	13,605	25,435	66,631

Table E.8. Ex-vessel (\$) value of each species, except shrimp, landed commercially from Gulf of Mexico grid zone 18.0 during 1985. Data based on MMPR.

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total
FINFISH													
Atlantic croaker	0	24	0	0	0	0	160	0	33	0	4	0	221
Black drum	172	284	124	124	0	8	9	0	0	1,111	874	221	2,927
Cobia	0	0	0	35	37	0	33	0	402	136	0	0	643
Dolphin	0	0	0	0	0	23	0	0	0	0	0	0	23
Florida pompano	0	0	0	0	40	305	0	420	0	0	0	10,839	11,604
Flounder, unclassified	237	255	403	605	284	721	1,483	956	3,655	4,882	8,093	1,152	22,726
Gafftopsail catfish	0	0	0	3,390	2	0	40	82	0	204	0	8	3,726
Greater amberjack	54	64	39	8	3,805	84	0	0	0	0	11	0	4,065
Grouper, unclassified	1,469	1,073	2,571	2,040	141	1,258	77	483	184	0	154	1,156	10,606
Gulf butterfish	0	0	0	0	0	800	1,040	692	0	0	0	0	2,532
Kingfish, unclassified	25	24	9	10	1,521	0	124	178	524	256	841	456	3,968
Mackerel, king	0	0	0	0	347	0	0	0	0	0	0	0	347
Mackerel, Spanish	0	0	0	0	0	0	0	0	0	106	0	0	106
Mullet, unclassified	0	319	0	0	0	0	1,213	2,763	168	263	661	0	5,387
Seatrout, sand	0	0	0	0	0	0	0	0	0	0	0	92	92
Sheepshead	0	282	36	241	17	3	56	217	45	59	666	113	1,735
Shark, unclassified	0	2,417	0	6	442	0	121	60	0	339	0	0	3,385
Snapper, red	6,375	13,890	7,631	6,704	10,330	4,620	2,904	5,757	34,211	27,249	55,969	5,101	180,741
Snapper, unclassified	0	0	0	68	0	0	0	0	0	29	494	333	924
Swordfish	0	0	0	0	100	0	0	0	0	0	0	6,066	6,166
Tuna, unclassified	0	0	0	0	0	0	0	0	0	0	0	6,911	6,911
Tuna, yellowfin	0	0	0	0	539	0	0	0	0	0	0	690	1,229
Unclassified food	0	2	2	0	0	383	2	0	0	13	2	0	404
Unclassified scrap	0	45	0	0	0	328	62	17	0	0	0	0	452
Total finfish	8,332	18,679	10,815	13,231	17,605	8,533	7,324	11,625	39,222	34,647	67,769	33,138	270,920
SHELLFISH													
Blue crab	0	85	741	1,597	313	0	0	1,291	692	340	436	356	5,851
Squid, unclassified	0	25	42	69	49	0	99	0	2,381	152	298	111	3,226
Stone crab	0	0	0	0	270	0	0	0	0	0	0	0	270
Total Shellfish	0	110	783	1,666	632	0	99	1,291	3,073	492	734	467	9,347
Grand total	8,332	18,789	11,598	14,897	18,237	8,533	7,423	12,916	42,295	35,139	68,503	33,605	280,267

Table E.9. Ex-vessel (\$) value of each species, except shrimp, landed commercially from Gulf of Mexico grid zone 19.0 during 1985. Data based on MMPR.

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total
FINFISH													
Black drum	126	0	103	0	20	10	0	0	563	0	49	23	894
Cobia	0	0	50	199	80	146	527	446	163	0	49	15	1,675
Dolphin	0	0	0	0	11	0	0	0	0	0	0	0	11
Florida pompano	0	0	0	0	0	0	5	29	1	0	0	0	35
Flounder, unclassified	895	531	0	181	359	523	6,225	1,941	220	1,200	656	727	13,458
Gafftopsail catfish	0	0	0	0	0	5	0	0	0	146	0	0	151
Greater amberjack	14	0	1,039	585	373	0	64	148	0	0	40	78	2,341
Grouper, scamp	0	0	0	0	0	0	0	0	0	0	0	137	137
Grouper, unclassified	5,419	1,181	34,804	28,768	30,108	16	1,877	2,208	26	105	83	610	105,205
Gulf butterfish	0	0	0	0	0	0	89	0	0	0	0	0	89
Kingfish, unclassified	9	12	61	176	0	0	28	41	0	0	245	29	601
Seatrout, sand	0	106	0	40	0	0	0	0	0	0	15	59	220
Shark, unclassified	92	3	2,030	939	8,910	0	1,173	0	123	237	13	45	13,565
Sheepshead	0	35	0	8	0	18	10	0	0	0	0	0	61
Snapper, red	31,498	2,892	27,594	48,050	21,101	3,103	15,051	21,502	2,573	16,507	12,051	14,176	216,098
Snapper, unclassified	158	0	0	1,694	177	0	0	2,411	0	0	0	0	4,440
Swordfish	0	17,671	18,217	9,590	40,693	0	0	1,068	0	0	0	1,229	77,810
Tilefish	1,016	0	4,277	1,101	0	0	326	0	0	0	0	0	17,052
Luna, bluefin	0	0	0	0	0	0	0	0	0	0	0	0	326
Luna, unclassified	0	0	0	0	1,265	0	900	633	1	60	0	115	2,974
Unclassified food	0	0	0	0	0	125	237	459	0	296	13,824	0	14,941
Unclassified scrap	0	0	0	0	143	289	0	0	0	0	0	469	901
Total finfish	39,227	22,431	88,175	90,230	104,341	4,235	26,502	30,886	3,670	18,551	27,025	17,712	472,985
SHELLFISH													
Blue crab	0	0	0	0	1,756	0	0	0	0	0	0	42	1,798
Squid, unclassified	8	0	49	16	0	30	298	0	0	0	0	170	571
Stone crab	0	0	0	0	0	0	0	3,500	0	0	0	0	3,500
Total Shellfish	8	0	49	16	1,756	30	298	3,500	0	0	0	212	5,869
Grand total	39,235	22,431	88,224	90,246	106,097	4,265	26,800	34,386	3,670	18,551	27,025	17,924	478,854

Table E.10. Ex-vessel (\$) value of each species, except shrimp, landed commercially from Gulf of Mexico grid zone 20.0 during 1985. Data based on MMPR.

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total
FINFISH													
Atlantic croaker	0	0	0	0	0	0	0	0	0	55	1	0	56
Black drum	635	0	0	0	0	0	0	0	0	680	0	0	1,315
Cobia	0	278	303	0	0	106	99	0	161	304	0	182	1,433
Codfish, unclassified	0	0	4	0	0	0	0	0	0	0	0	0	4
Dolphin	0	17	0	0	0	0	19	0	0	0	0	0	36
Florida pompano	0	45	52	0	0	14	0	0	0	0	0	0	111
Flounder, unclassified	2,325	0	0	0	0	638	61	0	1,613	495	174	554	5,860
Gafftopsail catfish	0	0	43	0	35	0	0	0	215	0	0	0	293
Greater amberjack	201	38	283	279	0	224	804	56	0	0	108	0	1,993
Grouper, scamp	0	0	0	0	0	23	0	0	0	0	0	0	23
Grouper, unclassified	792	19,966	2,747	183	0	29,485	50	0	162	198	6	1,797	55,386
Grouper, warsaw	0	0	0	0	0	0	0	0	0	0	0	217	217
Kingfish, unclassified	0	27	21	37	2	15	0	0	108	63	0	0	273
Mackerel, king	0	0	0	0	0	203	1,505	0	0	0	0	0	1,708
Mullet, unclassified	200	0	100	0	0	0	0	0	0	0	0	0	300
Seatrou, sand	444	0	0	0	0	0	0	0	0	0	155	0	599
Shark, shortfin mako	0	0	0	0	0	0	0	0	0	0	0	418	418
Shark, unclassified	346	462	62	9	0	430	3	0	6	0	125	0	1,443
Sheepshead	71	0	2,232	459	0	0	0	0	0	0	0	0	2,762
Snapper, red	10,485	21,698	8,864	1,774	787	48,275	4,116	7,800	16,533	5,289	26,009	51,786	203,416
Snapper, unclassified	335	51	0	0	0	1,594	0	0	28	41,037	8	0	43,053
Swordfish	2,207	5,033	0	0	0	0	0	0	0	2,112	0	0	9,352
Tilefish	0	15,590	0	0	0	5,561	0	0	0	0	0	0	21,151
Tuna, unclassified	250	757	0	0	1,224	0	0	0	41	0	0	0	2,272
Tuna, yellowfin	0	0	0	0	0	803	0	0	0	0	0	0	803
Unclassified food	12	0	0	0	0	0	0	0	0	0	0	0	12
Unclassified scrap	0	0	0	0	0	0	0	0	0	0	0	0	0
Total finfish	18,303	63,962	14,711	2,741	2,048	87,371	6,657	7,856	18,867	50,233	26,587	54,954	354,290
SHELLFISH													
Squid, unclassified	125	0	100	100	45	288	0	0	98	50	626	75	1,507
Total Shellfish	125	0	100	100	45	288	0	0	98	50	626	75	1,507
Grand total	18,428	63,962	14,811	2,841	2,093	87,659	6,657	7,856	18,965	50,283	27,213	55,029	355,797

Table E.11. Ex-vessel (\$) value of each species, except shrimp, landed commercially from Gulf of Mexico grid zone 21.0 during 1985. Data based on MMPR.

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total
FINFISH													
Black drum	0	0	325	136	0	0	0	0	0	0	38	194	693
Dolphin	0	0	0	0	0	0	0	0	128	0	0	0	128
Florida pompano	0	100	0	0	0	0	0	0	0	0	4	0	104
Flounder, unclassified	0	193	699	44	3,652	2	4,347	268	245	617	728	616	11,411
Gafftopsail catfish	0	0	0	0	0	0	0	0	0	0	1,548	0	1,548
Greater amberjack	752	366	116	482	176	25	258	1,125	794	795	1,264	846	6,999
Groupers, unclassified	1,164	1,455	3,919	2,504	3,442	216	3,688	774	638	743	518	662	19,723
Kingfish, unclassified	0	0	0	0	0	0	0	0	0	255	88	0	343
Mackerel, Spanish	0	0	0	0	0	0	17	0	0	0	0	0	17
Seatrout, sand	0	0	50	1,156	0	0	0	0	0	0	0	0	1,206
Shark, unclassified	460	613	1,002	308	674	672	167	155	931	1,519	1,253	1,275	9,029
Sheepshead	0	0	0	3	0	0	6	0	0	0	44	0	53
Snapper, red	38,496	30,297	51,951	36,568	26,692	19,001	37,678	46,425	38,048	58,319	51,365	50,701	485,541
Snapper, unclassified	0	404	0	0	0	0	0	0	652	49	474	1,139	2,718
Tilefish	0	0	150	0	6	0	0	0	0	0	0	0	156
Tuna, unclassified	0	0	0	0	0	549	0	0	89	0	0	0	638
Unclassified food	0	0	0	0	0	792	325	1,301	0	0	411	0	2,829
Total Finfish	40,872	33,428	58,212	41,201	34,642	21,257	46,486	50,048	41,525	62,297	57,735	55,433	543,136
SHELLFISH													
Squid, unclassified	2	15	0	0	0	407	147	22	0	13	4	12	622
Total Shellfish	2	15	0	0	0	407	147	22	0	13	4	12	622
Grand total	40,874	33,443	58,212	41,201	34,642	21,664	46,633	50,070	41,525	62,310	57,739	55,445	543,758

Table E.12. Ex-vessel value (\$) of each shrimp species (heads-on) landed commercially from the Gulf of Mexico during 1985. Data based on NMFS.

Month	Brown and Pink	White	Other	Total
January	4,653,192	994,012	90,958	5,738,162
February	3,872,317	819,090	37,599	4,729,006
March	2,319,547	1,415,649	0	3,735,196
April	2,880,443	1,574,897	134	4,455,474
May	3,415,319	3,735,111	201	7,150,631
June	2,666,234	2,430,783	16	5,097,033
July	21,592,421	2,818,371	0	24,410,792
August	18,763,685	2,994,631	38	21,758,354
September	15,178,938	5,949,960	696	21,129,594
October	12,605,214	6,901,578	1,668	19,508,460
November	8,262,485	6,042,841	2,426	14,307,752
December	11,325,794	2,683,862	30,390	14,040,046
Total	107,535,589	38,360,785	164,126	146,060,500

Appendix F. Weight (lb) and ex-vessel value (\$) of menhaden caught off Texas but landed commercially in Louisiana during 1977-1985.

Table F.1. Total weight (lb x 1000) and ex-vessel value (\$ x 1000) of menhaden (Brevoortia sp.) caught off Texas but landed commercially in Louisiana during 1977-1985. Data based on NMFS.

Year	Total weight landed	Total ex-vessel value
1977	46,076.1	1,828.8
1978	111,552.8	4,813.5
1979	116,623.3	4,983.3
1980	52,028.6	2,323.6
1981	131,394.2	5,148.0
1982	121,693.9	4,698.6
1983	95,459.2	3,865.1
1984	116,623.3	4,588.0
1985	49,550.6	1,949.3

Appendix G. Weight (lb) of Eastern oyster meat transplanted to private oyster leases, and weight and ex-vessel value (\$) of reported commercial landings from private oyster leases in Texas bay systems during 1977-1985.

Table G.1. Total weight (lb x 1000) and ex-vessel value (\$ x 1000) of commercial landings of Eastern oyster meat from private oyster leases in Texas bays during 1977-1985. Data based on annual oyster location lease reports of private oyster leaseholders.

Year	Total number of leases	Total leased acreage	Total weight landed	Total ex-vessel value
1977	32	1,831.7	1,078.4	1,293.3
1978	35	1,946.9	508.6	577.6
1979	44	2,368.1	40.9	63.4
1980	44	2,368.1	600.0	982.0
1981	45	2,446.9	504.0	799.8
1982	45	2,446.9	704.1	1,034.7
1983	48	2,510.2	1,047.8	1,495.9
1984	47	2,466.3	643.9	1,095.4
1985	44	2,308.9	483.4	876.5

Table G.2. Total weight (lb x 1000) of Eastern oyster meat transplanted to private oyster leases in Texas bay systems during 1978^a-1985. Data based on weekly oyster transplant reports submitted to IPMD by oyster leaseholders.

Year	Months												Total	
	January	February	March	April	May	June	July	August	September	October	November	December		
1978	0	0	0	0	378.0	35.0	0	353.5	245.0	0	0	0	0	1011.5
1979	0	0	0	0	582.8	0	0	271.3	24.5	0	0	0	0	878.5
1980	0	0	0	0	355.3	61.3	0	141.8	0	0	0	0	0	558.3
1981	0	0	0	0	656.3	124.3	0	185.5	318.5	0	0	0	0	1284.5
1982	0	0	0	0	372.8	7.0	0	435.8	21.0	0	0	0	0	836.5
1983	0	0	0	0	871.5	432.3	0	493.5	236.3	0	0	0	0	2033.5
1984	0	0	0	341.3	484.8	0	0	761.3	283.5	0	0	0	0	1870.8
1985	0	0	0	0	693.0	448.0	273.0	502.3	99.8	0	0	0	0	2016.0

^aData prior to 1978 not available.

Table G.3. Total weight (lb x 1000) of Eastern oyster meat landed from private oyster leases in Texas bay systems during 1978^a-1985. Data based on monthly oyster harvest reports submitted to IPMD by oyster leaseholders.

Year	Months												Total	
	January	February	March	April	May	June	July	August	September	October	November	December		
1978	60.6	49.8	58.0	55.1	13.5	65.1	83.5	25.7	41.9	53.9	1.6	0	0	508.7
1979	0.4	1.4	0.7	0	0	0	6.2	0	0	14.1	9.9	5.6	0	38.3
1980	17.8	16.3	12.8	20.5	47.0	77.2	113.4	76.1	99.5	85.0	1.1	2.1	0	568.8
1981	26.1	36.3	30.5	38.1	47.6	62.6	67.2	35.1	22.7	49.3	31.4	28.8	0	475.7
1982	11.6	14.6	26.2	38.7	64.9	63.0	60.4	66.5	64.3	92.1	0	0	0	502.3
1983	0	25.4	35.6	82.4	120.9	198.9	164.6	65.1	64.5	88.8	11.2	6.9	0	864.3
1984	8.2	10.5	36.9	45.2	83.9	123.6	42.4	43.9	29.2	104.1	1.4	14.5	0	543.8
1985	5.4	0	0	6.8	42.4	84.1	83.0	58.4	40.3	65.0	0	0	0	385.4

^aData prior to 1978 not available.

Appendix H. Number of commercial licenses sold in Texas in each fiscal year (September-August) from 1956 through 1985.

Table H.1. Number of commercial dealer licenses sold in Texas in each fiscal year from 1956 through 1985^a. (The sale of a license occurs when money is received in Austin).

Fiscal year	Retail Fish ^b			Retail fish truck	Retail oyster	Bait	Whole-			Shrimp house operator	Bait shrimp	Menhaden fish plant
	Large	Medium	Small				sale fish truck	sale fish	sale fish truck			
1956	2,675	1,444	3,888	75	0	3,936	157	96	0	0	0	
1957	2,691	1,425	3,841	80	0	3,533	155	88	0	0	0	
1958	2,792	1,376	3,639	84	0	4,391	1,450	76	0	0	0	
1959	2,809	1,593	3,963	84	0	5,007	171	73	6	25	0	
1960	3,163	1,491	3,775	86	0	4,043	175	81	18	582	0	
1961	3,390	1,499	3,482	78	12	3,865	185	87	9	528	2	
1962	3,388	1,549	3,564	63	0	3,421	187	72	10	502	5	
1963	3,414	1,594	3,437	88	2	3,192	201	83	16	500	1	
1964	3,485	1,650	3,688	76	0	3,260	205	69	29	476	3	
1965	3,435	1,598	3,585	73	1	3,034	209	71	36	412	2	
1966	3,467	1,617	3,559	65	0	2,968	234	78	28	417	1	
1967	3,433	1,573	3,492	46	0	3,272	227	69	29	416	1	
1968	3,455	1,619	3,477	57	1	3,030	241	74	37	432	1	
1969	3,545	1,645	3,441	50	0	3,071	203	67	31	405	1	
1970	3,574	1,599	3,481	53	0	3,169	211	62	33	408	1	
1971	3,639	1,585	3,418	73	0	3,214	225	62	34	397	1	
1972	3,761	1,518	3,382	97	0	3,146	219	52	33	439	1	
1973	3,694	1,551	3,363	122	0	2,928	219	65	33	430	1	
1974	3,721	1,481	2,794	167	0	2,471	251	54	27	417	0	
1975	3,639	1,438	2,725	436	0	2,692	250	58	26	417	0	
1976	3,513	1,449	2,717	490	0	3,000	241	54	27	423	0	
1977	3,002	1,330	2,703	599	0	3,019	260	67	25	422	0	
1978	2,919	1,301	2,718	789	0	2,994	260	77	27	420	0	
1979	2,818	1,211	2,668	602	1	2,874	254	60	28	477	0	
1980	2,524	1,174	2,494	541	1	2,856	265	44	30	477	0	
1981	2,481	1,153	2,370	885	3	2,773	254	52	27	500	0	
1982	2,256	1,147	2,246	1,287	2	2,831	307	83	29	520	0	
1983	4,755	1,108	2,222	1,175	3	2,980	329	108	47	692	0	
1984 ^c	6,009			980	0	2,975	394	72	33	569	0	
1985	2,683			932	0	1,393	251	72	19	380	0	

^a License data are not additive across columns for any row since dealers may have multiple licenses.

^b Large = Dealer located in a city with > 40,000 population;

Medium = Dealer located in a city with 7,500 to 40,000 population;

Small = Dealer located in a city with < 7,500 population.

^c Beginning in fiscal year 1984, all retail fish dealer licenses were combined into one category.

Table H.2. Number of commercial saltwater fishermen licenses sold in Texas in each fiscal year from 1956 through 1985. (The sale of a license occurs when money is received in Austin).

Fiscal year	Tidal water	Red drum	General				Finfish						
			Resident ^a	Non-resident ^b	Vessel (captain & crew)				Resident	Non-resident ^b	Menhaden only	Import	
					1	2	3	4					
1956			10,382										
1957			10,072										
1958			15,554										
1959			16,538										
1960			18,695										
1961			23,634										
1962			23,497										
1963			27,617										
1964			28,586										
1965			27,428										
1966			28,461										
1967			30,902										
1968			25,278										
1969			27,757										
1970			31,642										
1971			34,268										
1972			36,498										
1973			38,007										
1974			33,342										
1975			27,289										
1976			26,651										
1977			27,134										
1978		541	28,653										
1979	30,644	605	5,182										
1980	2,127	636	19,945	2,291		0		1,987	46	558			
1981	52	635	14,309	3,491		2,626		1,680	444	80			
1982			13,468	3,990		2,697		632	16	0		336	
1983			15,492	4,021		3,417		668	31	0		268	
1984			13,887	6,656		2,926		482	12	0		198	
1985			9,291	4,142		2,008		445	26	0		190	

^a Until 1979 there were no divisions in the General Commercial Fishing Licenses.

^b Total sales regardless of fee per license which depends on state of residency of purchaser.

Table H.3. Number of commercial saltwater fishing gear licenses sold in Texas in each fiscal year from 1956 through 1985. (The sale of a license occurs when money is received in Austin).

Fiscal year	Saltwater trotline tags	Seine tags	Commercial oyster dredge	Mussel dredge permit (power)
1956		10,832	150	0
1957		10,107	129	0
1958		9,414	30	0
1959		10,467	230	0
1960		11,089	258	0
1961		12,869	374	0
1962		11,269	249	0
1963		12,207	408	1
1964		13,209	153	1
1965		12,784	198	1
1966		13,183	210	0
1967		13,959	153	3
1968		13,704	106	10
1969		13,753	97	2
1970	11,360	14,084	115	0
1971	14,229	14,996	126	0
1972	16,204	13,893	195	0
1973	18,390	15,312	126	0
1974	22,623	17,282	99	0
1975	17,554	16,721	40	0
1976	17,904	17,306	16	0
1977	18,500	15,983	72	0
1978	14,716	14,810	59	0
1979	16,212	17,270	58	2
1980	16,868	13,958	52	8
1981	18,061	9,707	109	1
1982	16,625	8,013	103	2
1983	15,714	8,283	244	0
1984	9,518	6,551	250	1
1985	7,648	7,006	102	0

Table H.4. Number of commercial saltwater boat and vessel licenses sold in Texas in each fiscal year from 1956 through 1985^a. (The sale of a license occurs when money is received in Austin).

Fiscal year	Fishing boat	Fishing Boat (menhaden only)	Gulf shrimp	Bay shrimp	Bay-bait shrimp boat	Bait shrimp boat	Duplicate commercial shrimp boat plates
1956	1,392	39	0	0	0	0	0
1957	1,535	36	0	0	0	0	0
1958	2,466	36	0	0	0	0	0
1959	2,657	47	125	0	0	0	0
1960	2,280	21	1,755	0	1,846	0	0
1961	1,616	24	1,947	0	2,506	0	0
1962	1,396	24	1,655	0	2,456	0	0
1963	1,314	13	1,636	24	3,328	0	0
1964	1,380	17	1,958	1,849		1,196	0
1965	1,236	26	1,958	2,217		1,321	0
1966	1,147	22	1,947	1,969		1,460	0
1967	1,029	27	2,140	1,760		1,752	0
1968	997	39	2,437	1,953		632	0
1969	978	37	2,624	2,457		768	0
1970	1,066	36	2,871	3,218		881	0
1971	1,086	31	2,900	3,743		966	0
1972	1,330	42	3,341	3,995		1,265	0
1973	1,336	54	3,368	3,974		1,365	0
1974	1,482	45	3,239	3,747		1,590	0
1975	1,277	52	2,764	3,523		1,368	0
1976	1,366	51	2,573	2,917		1,406	0
1977	1,601	36	2,881	3,232		1,449	0
1978	1,386	48	3,173	3,768		1,521	0
1979	1,726	43	3,364	4,444		1,752	53
1980	1,530	33	3,308	4,473		2,016	46
1981	1,268	34	3,718	5,215		2,217	58
1982	791	38	4,046	4,479		2,283	69
1983	1,087	41	4,124	4,711		2,723	53
1984	1,116	48	4,663	4,922		3,103	63
1985	807	15	2,921	4,387		2,396	49

^aLicense data are not additive across columns for any row since boats may have multiple licenses.

