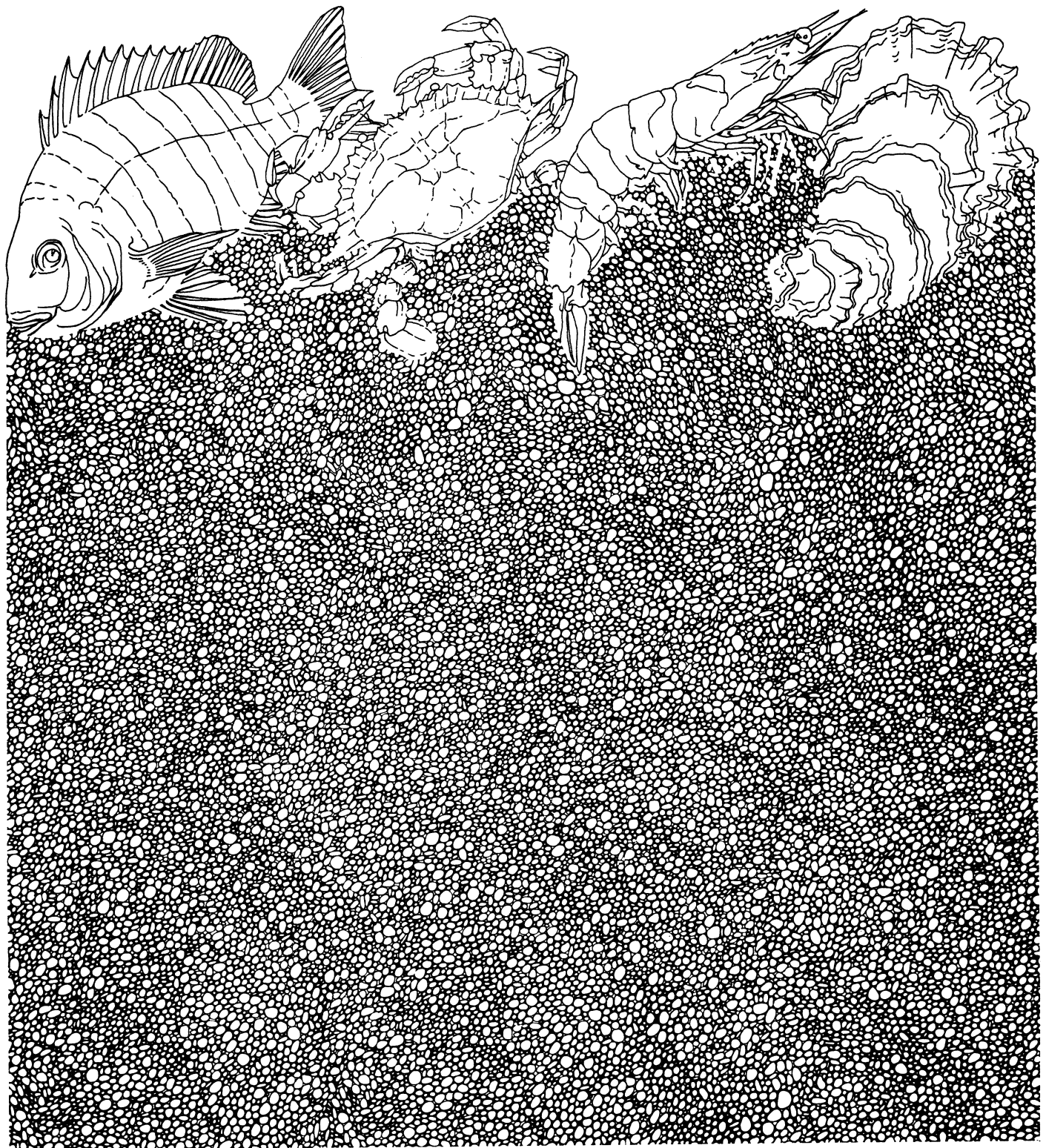


Trends in Texas Commercial Fisheries Landings, 1977-1984

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

Management Data Series Number 84
1985

Texas Parks and Wildlife Department
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4200 Smith School Road
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ABSTRACT

The Texas Parks and Wildlife Department in cooperation with the National Marine Fisheries Service collects data on commercially landed finfishes and shellfishes 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 86% of the pounds and 94% of the value of total seafood landings, while oysters, crabs and finfish accounted for 14% of the total pounds landed and 6% of the value in 1984. Total reported landings in 1984 were 104,801,100 lb with an ex-vessel value of \$191,689,700. This is the third highest poundage recorded and the fourth year in a row of record high value. The previous high value in 1983 was exceeded by over \$3,670,000.

Since 1977, the mean price/lb paid to commercial fishermen increased for all species except for "other" shrimp. However, with the exception of red snapper, white shrimp, and oysters, prices of finfishes and shellfishes decreased from 1983 to 1984.

INTRODUCTION

Gulland (1977) emphasizes the importance to the fishery manager of knowing the landings of a marine resource. Landings data from both recreational and commercial fishermen are needed 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 1985).

Commercial landings of marine species from Texas bays and the Gulf of Mexico off Texas (Figure 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) (Figure 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 for fish, crabs and oysters. Data exchange between agencies permits the compilation of total self-reported landings of marine species.

From 1977-1981, additional landings information, including daily catch by species, was required of commercial finfish fishermen through the use of Individual Sales Transaction (IST) forms (Figure 3). 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 economic value of self-reported transactions from seafood dealers and landings data collected by NMFS from 1977 through 1984.

MATERIALS AND METHODS

Seafood dealers were required to complete an MMPR listing the total weight and price paid for each species 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 (Penaeus sp.) landings data. Shrimp landings reported on MMPRs were provided to NMFS and landings of shrimp and finfish gathered by NMFS were provided to TPWD. The scientific names of each species reported and their appropriate grouping by common name are listed in Table 1.

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 oysters, which were not reported in live weight by dealers were converted to live weight (round weight) using conversion factors listed in Appendix A. Oyster landings were converted to meat weight (Table A.3).

Landings of oysters from leases were reported by leaseholders through MMPRs, monthly landings forms submitted to the Seabrook office of TPWD (Figure 4) and annual summary forms (Figure 5) submitted to the Austin Headquarters of TPWD. In the case of discrepancies between monthly and annual summaries, the highest values for landings were used. Oyster landings presented in this report (except for Appendix G) represent MMRP data only and are comprised of landings from both private leases and public reefs.

The Gulf of Mexico 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. The NMFS reports shrimp landings from shrimp fishing grid zones located in particular geographical areas, including Texas, in their publication Gulf Coast Shrimp Data. The monthly shrimp landings for calendar years 1979 through 1984, as reported to TPWD by NMFS, are preliminary data and may be revised.

Any differences 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.

RESULTS

Nearly 105,000,000 lb of seafood valued at almost \$192,000,000 were commercially landed in Texas in 1984 (Tables 2 and 3). Shrimp constituted 86% of the pounds and 94% of the value of all species landed in 1984. Oysters, crabs, and finfish comprised 14% of the total pounds landed in 1984 and 4%, 1% and 1% of the total economic value, respectively. Total landings of shellfish in 1984 were within the range of those reported through 1983 but total landings of finfish were the lowest reported through 1983 (Table 2). The total value, however, for 1984 was the highest on record for the fourth consecutive year (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 1984 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 1984 oyster landings of 5,033,100 lb valued at \$8,118,400 were the second highest landings and value on record. Blue crab landings (6,952,000 lb - 8,953,000 lb) and values (\$1,928,500 - \$3,250,300) have remained relatively stable. Stone crab landings in 1984 of 18,900 lb valued at \$13,200 represent the first recorded commercial landings of this species.

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 4-11). The 67th Legislature prohibited the sale of red drum and spotted seatrout effective 1 September 1981. During calendar year 1984, black drum, flounder (Paralichthys sp.) and snapper (Lutjanidae) constituted 76%

of all finfish landings. From 1983 to 1984 landings of black drum decreased 592,600 lb (40%) and decreased \$521,700 (54%) in value; flounder decreased 94,000 lb (20%) and decreased \$94,600 (21%) in value; and snapper increased 190,600 lb (73%) and increased \$435,300 (114%) in value (Tables 2 and 3).

In each year, penaeid shrimp were the primary species landed from the bays and Gulf. In the bays, they constituted 48-62% of the total weight landed and 61-76% 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, 8, 9). Over 75% of the pounds of total shrimp landed valued at more than \$157,000,000 in 1984 were caught in the Gulf; the remainder valued at more than \$22,000,000 were reported caught in Texas bays. Over 81% of the brown shrimp valued at \$116,760,500 and over 62% of the white shrimp valued at \$40,295,500 were caught in the Gulf in 1984. Almost 67% of the total landings of finfishes valued at \$801,700 were caught in Texas bays; the remainder valued at \$973,900 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 \$0.85/lb in 1984 (Tables 12 and 13). Of the finfish species, the price for snapper in 1984 was a record high and increased \$0.35/lb (24%) from 1983. The price for flounder, sheepshead (Archosargus probatocephalus), and black drum decreased \$0.02/lb (2%), \$0.03/lb (12%), and \$0.15/lb (23%), respectively, from 1983 to 1984. The price for brown and pink shrimp decreased \$0.44/lb (18%) and the price for white shrimp increased \$0.07/lb (3%) in the past year. The price for blue crabs decreased \$0.12/lb (32%) while the price for oyster meat increased \$0.18/lb (13%) from 1983. The mean price paid for stone crabs was \$0.70/lb.

Weight (lb) and ex-vessel value (\$) of commercial landings reported during calendar years 1977-1984 are presented for Texas bays in Appendix B and for grid zones of the Gulf in Appendix C. The weight and value of 1984 seafood landings in Texas bays and grid zones were highest in the Galveston Bay system and in grid zone 21.0 (offshore of the lower Laguna Madre system), respectively.

Monthly summaries of Texas bay and grid zones of the Gulf landings and value during calendar year 1984 are presented in Appendices D, E and F. Weight and value varied among bays and grid zones by month and species. Nearly 53% of the weight and 45% of the value of brown and pink shrimp from the Gulf was landed in July and August of 1984. Over 63% of the weight and 58% of the value of white shrimp from the Gulf was landed in September, October and November of 1984.

Annual landings of oyster meat from private oyster leases in Texas bays during calendar years 1977-1984 are presented in Appendix G. The total number of leases and leased acreage has 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 1984 are presented in Appendix H. Retail

and wholesale fish dealer licenses sold in 1984 totaled 6,009 and 394, respectively.

DISCUSSION

Commercial fishing continues to be an important industry in Texas. Approximately 96,000,000 pounds of landed seafood worth about \$166,000,000 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.

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, oysters, blue crabs, and finfishes.

Although commercial landing data have been used to determine the stability of the resource, several assumptions must be made. The amount of inaccurate or incomplete reporting is typically unknown and must be considered constant when making temporal or spatial comparisons. A change in the reporting requirements, however, can affect the amount of non-reporting and, thus, the reliability of conclusions about the stability of the resource is doubtful.

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). Green and Thompson (1981) did find that total landings from MMPRs did not differ significantly from total landings estimated from on-site fish house surveys. However, they noted that IST tickets were submitted with inaccuracies. Present Texas law 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 "purchased" in Texas (i.e., shipped and sold out of state) are exempt from being reported. In addition, failure to file a required report carries only a \$10-\$50 fine (Anonymous 1983). 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 harvested. These inconsistencies limit the use of these commercial data for fisheries management purposes.

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Figure 1. Texas bays and Gulf of Mexico grid zones.

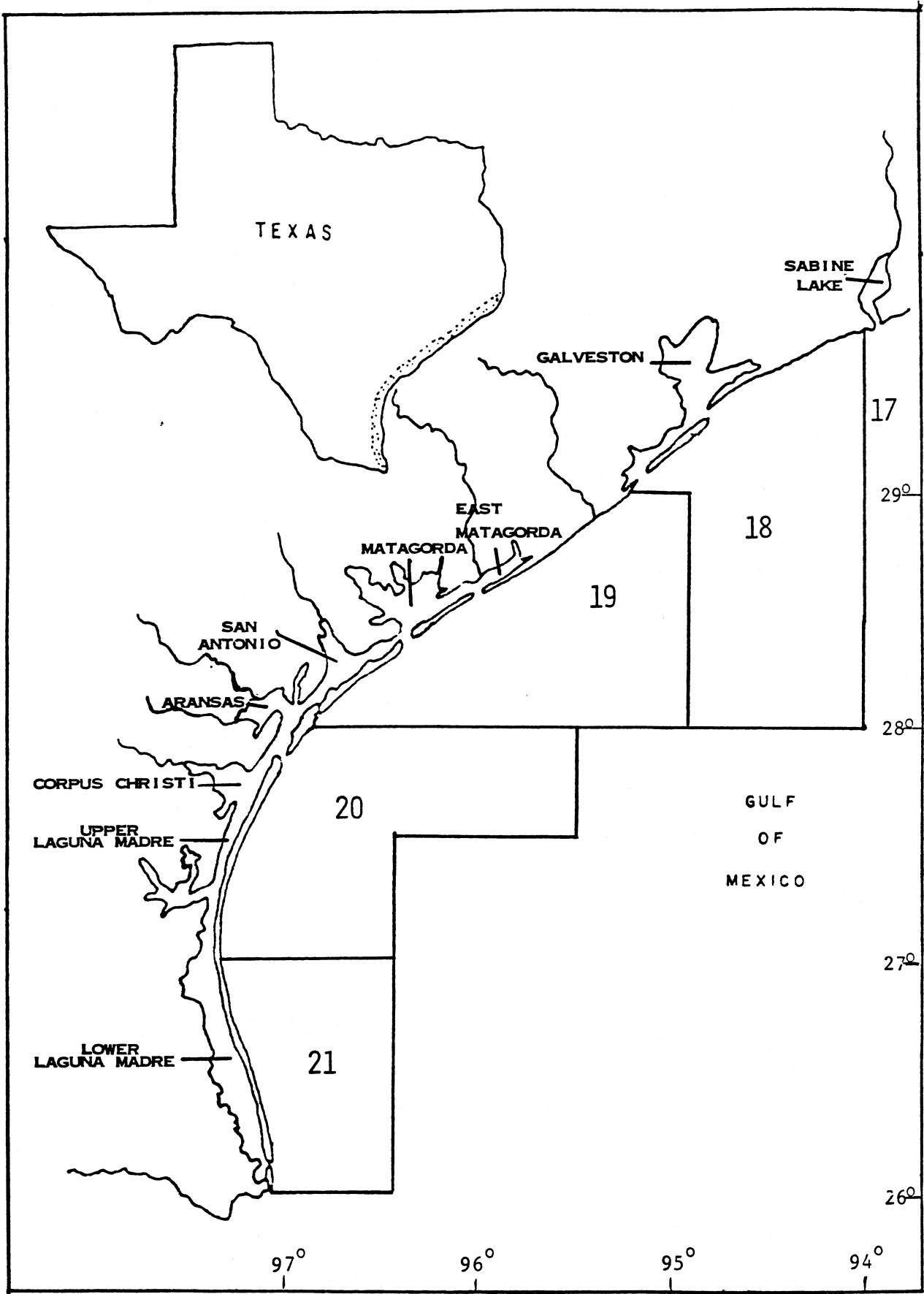


Figure 2. Monthly Marine Products Report (MMPR) form.

Figure 3. 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:**
- | | | | |
|------------------------|----------------|---------------|------------------|
| CIRCLE ONLY ONE NUMBER | 1 TROTLINE | 5 SEINE | 9 GIG |
| | 2 TRAMMEL NET | 6 SNAGLINE | 10 SHRIMP TRAWL |
| | 3 GILL NET | 7 LONGLINE | 11 FISH TRAWL |
| | 4 ROD AND REEL | 8 PURSE SEINE | 12 CRAB TRAP |
| | | | 13 CRAB TRAWL |
| | | | 14 OYSTER DREDGE |
| | | | 15 OYSTER TONGS |
| | | | 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 4. 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 Todville Road, P.O. Box 8, Seabrook, Texas 77586, by the 5th of the following month after harvest of oysters from private lease.

Figure 5. Annual Oyster Location Lease Report.

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, 1985 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

Table 1. List of common and scientific names of species sold by commercial fishermen to seafood dealers in Texas.

Common name	Scientific name ^a
SHELLFISH	
Brown shrimp	<u>Penaeus aztecus</u>
White shrimp	<u>Penaeus setiferus</u>
Pink shrimp	<u>Penaeus duorarum</u>
Other shrimp	
Royal red shrimp	<u>Humenopenaeus robustus</u>
Seabob	<u>Xiphopenaeus kroyeri</u>
Rock shrimp	<u>Sicyonia brevirostris</u>
Oyster	<u>Crassostrea virginica</u>
Blue crab	<u>Callinectes sapidus</u>
Stone Crab	<u>Menippe mercinaria</u>
Squid	
Brief squid	<u>Lolliguncula brevis</u>
Long-finned squid	<u>Loligo pealei</u>
FINFISH	
Red drum	<u>Sciaenops ocellatus</u>
Spotted seatrout	<u>Cynoscion nebulosus</u>
Black drum	<u>Pogonias cromis</u>
Sand seatrout	
Sand seatrout	<u>Cynoscion arenarius</u>
Silver seatrout	<u>Cynoscion nothus</u>
Flounder	
Southern flounder	<u>Paralichthys lethostigma</u>
Gulf flounder	<u>Paralichthys albiquetta</u>
Atlantic croaker	<u>Micropogonias undulatus</u>
Gafftopsail catfish	<u>Bagre marinus</u>
Sheepshead	<u>Archosargus probatocephalus</u>
Whiting	
Southern kingfish	<u>Menticirrhus americanus</u>
Gulf kingfish	<u>Menticirrhus littoralis</u>
Mullet	
Striped mullet	<u>Mugil cephalus</u>
White mullet	<u>Mugil curema</u>
Florida pompano	<u>Trachinotus carolinus</u>
Cobia	<u>Rachycentron canadum</u>
Grouper	
Yellowedge grouper	<u>Epinephelus flavolimbatus</u>
Jewfish	<u>Epinephelus itajara</u>
Warsaw grouper	<u>Epinephelus nigritus</u>
Nassau grouper	<u>Epinephelus striatus</u>
Black grouper	<u>Mycteroperca bonaci</u>
Yellowmouth grouper	<u>Mycteroperca interstitialis</u>
Scamp	<u>Mycteroperca phenax</u>
Yellowfin grouper	<u>Mycteroperca venenosa</u>

Table 1. (Cont'd).

Common name	Scientific name ^a
Atlantic spadefish	<u>Chaetodipterus faber</u>
Codfishes	Family Gadidae
Dolphin	<u>Coryphaena hippurus</u>
Greater amberjack	<u>Seriola dumerila</u>
Snapper	
Red snapper	<u>Lutjanus campechanus</u>
Vermilion snapper	<u>Rhomboplites aurorubens</u>
Lane snapper	<u>Lutjanus synagris</u>
Mackerel	
Spanish mackerel	<u>Scomberomorus maculatus</u>
King mackerel	<u>Scomberomorus cavalla</u>
Tuna	
Blackfin tuna	<u>Thunnus atlanticus</u>
Bluefin tuna	<u>Thunnus thynnus</u>
Yellowfin tuna	<u>Thunnus albacares</u>
Swordfish	<u>Xiphias gladius</u>
Sharks	
Blacktip	<u>Carcharhinus limbatus</u>
Atlantic sharpnose	<u>Rhizoprionodon terraenovae</u>
Bull	<u>Carcharhinus leucas</u>
Shortfin mako	<u>Isurus ocyrinchus</u>
Great hammerhead	<u>Sphyrna mokarran</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) for calendar years 1977-1984. Data based on MMPR.

Year	Finfish										Shellfish								
	Black drum	Flounder	Sheepshead	Snapper	Other	Total	Shrimp			Brown and pink	White	Other	Total	Blue crabs	Stone crabs	Oysters	Squid	Total	Grand 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	0	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	0	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	0	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	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	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	0	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	0	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	18.9	5,033.1	27.1	102,522.0	104,801.1			

Table 3. Texas commercial finfish and shellfish ex-vessel value (\$ x 1000) for calendar years 1977-1984. Data based on MMPR.

Year	Finfish										Shellfish								
	Black drum	Flounder	Sheepshead	Snapper	Other	Total	Shrimp			Brown and pink	White	Other	Total	Blue crabs	Stone crabs	Oysters	Squid	Total	Grand 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	0	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	0	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	0	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	0	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	0	2,150.7	0	169,398.9	171,712.5			
1982	782.5	521.4	79.7	669.2	1,36.8	2,189.6	131,658.5	43,724.9	504.4	175,887.8	2,375.1	0	5,313.7	5.0	183,581.6	185,771.2			
1983	971.0	445.6	66.0	383.5	1,18.5	1,984.6	125,430.4	45,682.8	330.6	171,443.8	3,250.3	0	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	13.2	8,118.4	9.7	189,914.2	191,689.7			

Table 4. Weight (lb x 1000) of each species landed commercially from Texas bay systems for calendar years 1977-1984. Data based on MMPR.

Year	Finfish										Shellfish						Grand Total			
	Black drum	Flounder	Atlantic croaker	Gafftopsail catfish	Sheepshead	Mullet	Other	Unclassified		Brown and pink	Shrimp			Blue crabs	Stone crabs	Oysters		Squid		
								Food	Scrap		Total	White	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	0	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	0	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	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	0	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	0	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	0	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	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	18.9	5,033.1	10.0	34,470.1	35,988.3

Table 5. Ex-vessel (\$ x 1000) of each species landed commercially from Texas bay systems for calendar years 1977-1984. Data based on MMPR.

Year	Finfish										Shellfish						Grand Total			
	Black drum	Flounder	Atlantic croaker	Gafftopsail catfish	Sheepshead	Mullet	Other	Unclassified		Brown and pink	Shrimp			Blue crabs	Stone crabs	Oysters		Squid		
								Food	Scrap		Total	White	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	0	2,991.7	1.8	16,032.3	17,556.2
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	0	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	0	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	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	0	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	0	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	0	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	13.2	8,118.4	3.7	32,647.0	33,448.7

Table 6. Weight (lb x 1000) of "other" finfish species landed commercially from Texas bay systems for calendar years 1977-1984. Data based on MMPR.

Species	Year							
	1977	1978	1979	1980	1981	1982	1983	1984
Atlantic spadefish	0	0	0	0	0	0	0	0.5
Florida pompano	0.4	0.5	2.1	0.4	0.2	0.2	5.1	2.0
Mackerel	0	0	0	0	0	0	0	0.1
Red drum	899.8	853.5	676.9	1106.4	604.3	0	0	0
Sand seatrout	6.5	6.4	9.8	3.5	16.2	3.6	1.2	3.6
Shark, unclassified	0	0	0	0	0	0	0	0.1
Spotted seatrout	1235.0	1118.6	899.3	928.3	617.2	0	0	0
Whiting	6.6	4.8	7.9	6.2	2.7	47.9	8.7	2.2
Total	2,148.3	1,983.8	1,596.0	2,044.8	1,240.6	51.7	15.0	8.5

Table 7. Ex-vessel value (\$ x 1000) of "other" finfish species landed commercially from Texas bay systems for calendar years 1977-1984. Data based on MMPR.

Species	Year							
	1977	1978	1979	1980	1981	1982	1983	1984
Atlantic spadefish	0	0	0	0	0	0	0	0.2
Florida pompano	0.2	0.5	2.6	0.6	0.3	0.4	2.4	1.1
Mackerel	0	0	0	0	0	0	0	0.0
Red drum	483.9	588.3	564.2	1016.5	683.8	0	0	0
Sand seatrout	3.6	3.9	6.6	1.4	2.5	1.2	0.6	2.1
Sharks, unclassified	0	0	0	0	0	0	0	0.0
Spotted seatrout	660.2	739.8	770.4	911.1	699.9	0	0	0
Whiting	1.2	0.8	1.8	1.1	0.7	10.6	2.1	0.6
Total	1,149.1	1,333.3	1,345.6	1,930.7	1,387.6	12.2	5.1	4.0

Table 8. Weight (lb x 1000) of each species landed commercially from the Gulf of Mexico during calendar years 1977-1984. Data based on MMPR.

Year	Finfish											Shellfish					Grand Total				
	Black drum	Flounder	Gafftopsail catfish	Sheepshead	Whiting	Mullet	Cobia	Grouper	Snapper	Other	Unclassified Food Scrap	Shrimp			Blue crabs	Squid					
												Brown and pink	White	Other				Total			
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	17.0	68,051.9	68,812.8

Table 9. Ex-vessel (\$ x 1000) of each species landed commercially from the Gulf of Mexico during calendar years 1977-1984. Data based on MMPR.

Year	Finfish											Shellfish					Grand Total				
	Black drum	Flounder	Gafftopsail catfish	Sheepshead	Whiting	Mullet	Cobia	Grouper	Snapper	Other	Unclassified Food Scrap	Shrimp			Blue crabs	Squid					
												Brown and pink	White	Other				Total			
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	6.0	157,267.2	158,241.1

Table 10. Weight (lb x 1000) of "other" finfish species landed commercially from the Gulf of Mexico for calendar years 1977-1984. Data based on MMPR.

Species	Year							
	1977	1978	1979	1980	1981	1982	1983	1984
Atlantic croaker	2.8	10.2	3.7	2.7	2.4	0.4	1.1	1.2
Codfishes	0	0	0	0	0	0	0	0.2
Dolphin	0	0	0	0	0	0	0	0.1
Florida pompano	0.5	0.5	1.5	0.8	0.2	3.6	0	4.0
Greater amberjack	0	0	0	0	0	0	0	13.7
Mackere1	0	0	0.2	0	0	0	0	1.2
Red drum	51.0	7.6	13.1	8.1	9.0	0	0	0
Sand seatrout	0	0	0	0	0	0	0	0.1
Sharks, unclassified	0	0	0	0	0	0	0	9.9
Spotted seatrout	111.8	43.4	131.0	49.7	28.6	0	0	0
Tuna, bluefin	0	0	0	0	0	0	0	33.3
Tuna, unclassified	0	0	0	0	0	0	0	6.7
Tuna, yellowfin	0	0	0	0	0	0	0	9.3
Total	166.1	61.7	149.5	61.3	40.2	4.0	1.1	79.7

Table 11. Ex-vessel value (\$ x 1000) of "other" finfish species landed commercially from the Gulf of Mexico for calendar years 1977-1984. Data based on MMPR.

Species	Year							
	1977	1978	1979	1980	1981	1982	1983	1984
Atlantic croaker	0.6	1.5	0.6	0.2	0.5	0.1	0.2	0.5
Codfishes	0	0	0	0	0	0	0	0.1
Dolphin	0	0	0	0	0	0	0	0.0
Florida pompano	0.3	0.6	2.4	1.1	0.3	3.2	0.1	5.6
Greater amberjack	0	0	0	0	0	0	0	10.3
Mackerel	0	0	0.2	0	0	0	0	0.9
Red drum	27.6	4.4	10.2	8.3	11.6	0	0	0
Sand seatrout	0	0	0	0	0	0	0	0.6
Sharks, unclassified	0	0	0	0	0	0	0	2.5
Spotted seatrout	63.0	29.4	112.4	50.4	38.0	0	0	0.0
Tuna, bluefin	0	0	0	0	0	0	0	8.4
Tuna, unclassified	0	0	0	0	0	0	0	1.9
Tuna, yellowfin	0	0	0	0	0	0	0	1.9
Total	91.5	35.9	125.8	60.0	50.4	3.3	0.3	32.7

Table 12. Price (\$/lb) paid commercial fishermen for finfish during calendar years 1977-1984. 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	0.10-0.35	0.20
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	0.05-0.65	0.20
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	0.03-0.45	0.18
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	0.05-0.45	0.19
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	0.05-0.45	0.21
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	0.33
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

Table 13. Price (\$/lb) paid commercial fishermen for shellfish during calendar years 1977-1984. Data based on MMPR and NMFS.

Year	Brown and pink		White		Other		Blue crabs		Stone crabs		Oysters	
	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		
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		
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		
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		
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		
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		
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		
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		

Appendix A. Conversion factors used for finfish and shellfish.

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

Species	Conversion factors (divided by)	Reference
Red drum	0.88	Harrington et al. (1979)
Spotted seatrout	0.87	Harrington et al. (1979)
Black drum	0.88	Harrington et al. (1979)
Sand seatrout	0.87	NMFS (1980)
Flounder	0.93	Harrington et al. (1979)
Whiting	0.85	NMFS (1980)
Croaker	0.85	NMFS (1980)
Sheepshead	0.85	Harrington et al. (1979)
Pompano	0.85	NMFS (1980)
Snapper	0.85	NMFS (1980)

Table A.2. Factors for converting headed or collared weight to live weight (NMFS 1980).

Species	Conversion factors (divided by)
Black drum	0.61
Gafftopsail catfish	0.65
Cobia	0.70
Grouper	0.70
Snapper	0.61

Table A.3. Factors for converting blue crabs to live weight and oysters to meat weight (NMFS 1980).

Species	Conversion factors (divided by)
Blue crabs	6 lb/1 doz.
Oysters (to oyster meat)	17.5 lb/bbl
Oysters (to oyster meat)	8.75 lb/gal
Live Oysters	1 barrel = 3 bushels, baskets, or sacks

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

Species	Conversion factors (divided by)
Brown shrimp	1.61
Pink shrimp	1.60
White shrimp	1.54
Royal Red shrimp	1.80
Sea bobs	1.53
Rock shrimp	1.67

Table A.5. Factors for converting fish and shellfish products used in the United States (NMFS 1980).

Species and product	Conversion factors	
	Live to product weight	Product weight to live
FISH		
Cod, Pacific		
Gutted	0.78	1.28
Dressed	0.58	1.72
Fillets	0.34	2.94
Steaks		
Croaker		
Gutted	0.33	3.03
Fillets		
Cusk		
Gutted	0.88	1.13
Dressed		
Fillets	0.37	2.69
Drum		
Gutted		
Dressed		
Fillets	0.33	3.03
Flounder, Atlantic (NES)		
Gutted	0.83	1.20
Fillets	0.36	2.82
Flounder, Atlantic, Blackback		
Gutted		
Fillets	0.33	3.03
Flounder, Atlantic, Dab		
Gutted		
Fillets	0.30	3.33
Flounder, Atlantic, Fluke		
Gutted		
Fillets	0.38	2.63
Flounder, Atlantic, Grey Sole		
Gutted		
Fillets	0.29	3.45

Table A.5. (Cont'd.)

Species and product	Conversion factors	
	Live to product weight	Product weight to live
FISH (Cont'd.)		
Flounder, Atlantic, Lemon Sole Gutted Filletts	0.36	2.78
Flounder, Atlantic, Yellowtail Gutted Filletts	0.36	2.78
Flounder, Pacific, Starry Gutted Filletts	0.27	3.70
Flounder, Pacific, Turbot Gutted Filletts	0.30	3.33
Groupers Gutted Collared (Wt. 1b. 30% loss) Filletts Steaks	0.38	2.63
Haddock Gutted Dressed Filletts	0.88 0.75 0.35	1.14 1.33 2.85
Hake, White Gutted Dressed Filletts	0.75 0.37	1.34 2.68
Jack Mackerel Canned	0.55	1.82
Lake Trout Gutted Filletts Smoked, dressed	0.85 0.56 0.56	1.18 1.79 1.79

Table A.5. (Cont'd.)

Species and product	Conversion factors	
	Live to product weight	Product weight to live
FISH (Cont'd.)		
Ling		
Gutted		
Collared (Wt. 1b. 30% loss)		
Dressed	0.70	1.43
Fillets	0.30	3.33
Mackerel, Atlantic		
Fillets	0.45	2.22
Canned	0.50	2.00
Pickled or salted, dressed	0.50	2.00
Mackerel, King		
Gutted	0.85	1.18
Fillets	0.55	1.82
Mackerel, Spanish		
Gutted	0.84	1.19
Fillets	0.57	1.75
Menhaden		
Fish meal	0.21	4.81
Ocean Perch, Atlantic		
Fillets	0.25	4.00
Ocean Perch, Pacific		
Fillets	0.28	3.57
Perch, Pacific		
Fillets	0.28	3.57
Pike or Pickerel		
Fillets	0.55	1.82
Pollock, Alaska		
Gutted	0.79	1.27
Dressed	0.62	1.61
Fillets	0.27	3.70
Pollock, Atlantic		
Gutted	0.89	1.13
Fillets	0.40	2.46

Table A.5. (Cont'd.)

Species and product	Conversion factors	
	Live to product weight	Product weight to live
FISH (Cont'd.)		
Pompano		
Filletts	0.38	2.63
Gutted and gilled - 15% loss		
Sea Bass		
Gutted		
Filletts	0.50	2.00
Sea Trout		
Filletts	0.33	3.03
Steaks		
Shad		
Filletts	0.33	3.03
Canned	0.54	1.84
Sharks		
Gutted	0.83	1.20
Filletts	0.65	1.54
Sharks, Grayfish (Spiny Dogfish)		
Gutted	0.83	1.20
Filletts	0.37	2.70
Sheepshead		
Gutted		
Filletts	0.33	3.03
Snapper, Red		
Gutted	0.93	1.08
Filletts	0.50	2.00
Steaks	0.70	1.43
Collared - 28% loss		
Sturgeon		
Gutted	0.83	1.20
Dressed	0.80	1.25
Filletts	0.35	2.85
Smoked, dressed	0.40	2.50
Canned, smoked	0.60	1.67

Table A.5. (Cont'd.)

Species and product	Conversion factors	
	Live to product weight	Product weight to live
FISH (Cont'd.)		
Swordfish		
Gutted	0.80	1.25
Dressed Steaks	0.66	1.52
Tilefish		
Gutted	0.91	1.09
Fillets	0.35	2.87
Tuna, Albacore		
Gutted	0.90	1.11
Dressed	0.80	1.25
Canned	0.53	1.89
Tuna, Skipjack		
Gutted		
Dressed	0.80	1.25
Canned	0.48	2.08
Tuna, Yellowfin		
Gutted	0.90	1.11
Dressed	0.80	1.25
Canned	0.48	2.08
White Bass		
Gutted		
Fillets	0.41	2.44
Whitefish		
Gutted	0.85	1.18
Fillets	0.55	1.82
Smoked, dressed	0.56	1.79
Whiting		
Dressed	0.60	1.66
Fillets	0.33	3.03
Whiting, Pacific (Hake, Pacific)		
Dressed	0.56	1.79
Fillets	0.25	4.00

Table A.5. (Cont'd.)

Species and product	Conversion factors	
	Live to product weight	Product weight to live
FISH (Cont'd.)		
Wolffish		
Gutted	0.83	1.20
Fillets	0.35	2.86
Yellow Perch		
Gutted		
Fillets	0.44	2.27
Yellow Pike		
Gutted		
Fillets	0.45	2.22
SHELLFISH		
Crabs, Blue		
Meat	0.14	7.14
Crabs, Dungeness		
Cooked Sections	0.52	1.92
Meat	0.24	4.17
Crabs, King		
Cooked Sections	0.57	1.75
Meat	0.20	5.00
Crabs, Snow		
Cooked Sections	0.47	2.13
Meat	0.20	5.00
Lobster, Spiny		
Tails	0.33	3.03
Meat	0.23	4.35
Scallops		
Meat	0.12	8.33

Table A.5. (Cont'd.)

Species and product	Conversion factors	
	Live to product weight	Product weight to live
SHELLFISH (Cont'd.)		
Shrimp		
South Atlantic and Gulf:		
Headless		
Brown	0.62	1.61
Pink	0.62	1.60
White	0.65	1.54
Royal Red	0.56	1.80
Sea Bobs	0.65	1.53
All species	0.63	1.59
Peeled fantail, raw	0.50	2.00
Peeled, raw	0.49	2.04
Peeled, cooked	0.32	3.13
Breaded, raw (includes fantail)	1.00	1.00
Dried	0.13	7.69
Canned	0.31	3.21
Pacific and North Atlantic:		
All species, headless	0.57	1.75
Peeled, raw	0.28	3.57
Canned	0.16	6.25

Appendix B. Weight (lb) and ex-vessel value (\$) of commercial landings from Texas bays during calendar years 1977-1984.

Table B.1. Weight (lb) of each species landed commercially from Sabine Lake system during calendar year 1977-1984. Data based on MMPR.

Year	Finfish											Shellfish					Grand total				
	Black drum	Flounder	Atlantic croaker	Gafftopsail catfish	Sheepshead	Whiting	Mullet	Other	Unclassified		Brown and pink	Shrimp		Blue crabs	Stone crabs	Oysters		Squid	Total		
									Food	Scrap		White	Other							Total	
1977	980	687	0	39	139	37	0	934	0	0	2,816	2,336	4,212	9	6,548	226,100	0	0	0	232,648	235,464
1978	0	330	0	0	59	114	0	0	0	0	503	0	2,763	0	2,763	624,171	0	0	0	626,934	627,437
1979	556	51	9	9	764	60	56	274	0	248	2,027	0	0	0	0	163,301	0	0	0	163,301	165,328
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	0	125,756	128,789
1981	219	119	0	0	76	238	12	461	230	45	1,400	12,830	43,248	0	56,078	72,624	0	0	0	128,702	130,102
1982	0	0	0	0	0	0	0	0	0	0	0	0	170,835	488	171,323	113,443	0	0	0	284,766	284,766
1983	379	567	0	0	430	1,201	0	0	0	140	2,717	0	740	0	740	172,874	0	0	0	173,614	176,331
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	0	578,139	580,147

Table B.2. Weight (lb) of each species landed commercially from the Galveston Bay system during calendar year 1977-1984. Data based on MMPR.

Year	Finfish											Shellfish					Grand total				
	Black drum	Flounder	Atlantic croaker	Gafftopsail catfish	Sheepshead	Whiting	Mullet	Other	Unclassified		Brown and pink	Shrimp		Blue crabs	Stone crabs	Oysters		Squid	Total		
									Food	Scrap		White	Other							Total	
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	0	1,917,532	3,335	9,027,227	9,482,377
1978	161,987	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	0	1,076,797	3,528	8,685,867	9,493,561
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	0	43,097	162	5,275,278	5,777,813
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	0	1,004,208	0	8,510,785	8,886,199
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	0	951,654	0	6,208,516	6,452,939
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	0	3,253,765	9,942	9,585,394	10,288,773
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	0	6,967,064	2,277	12,643,984	13,134,578
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	1,636	2,360,205	6,714	9,906,136	10,491,824

Table B.3. Weight (lb) of each species landed commercially from the Matagorda Bay system during calendar year 1977-1984. Data based on MMPR.

Year	Finfish										Shellfish						Grand total				
	Black drum	Flounder	Atlantic croaker	Gafftopsail catfish	Sheepshead	Whiting	Mullet	Other	Unclassified		Brown and pink	Shrimp			Blue crabs	Stone crabs		Oysters	Squid	Total	
									Food	Scrap		Total	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	0	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	0	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	0	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	0	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	0	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	0	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	0	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	7,193	448,637	2,267	7,127,514	7,194,425

Table B.4. Weight (lb) of each species landed commercially from the East Matagorda Bay system during calendar year 1977-1984. Data based on MMPR.

Year	Finfish										Shellfish						Grand total				
	Black drum	Flounder	Atlantic croaker	Gafftopsail catfish	Sheepshead	Whiting	Mullet	Other	Unclassified		Brown and pink	Shrimp			Blue crabs	Stone crabs		Oysters	Squid	Total	
									Food	Scrap		Total	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	0	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	0	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	0	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	0	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	0	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	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	0	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	2,114	58,317	0	377,956	381,598

Table B.5. Weight (lb) of each species landed commercially from the San Antonio Bay system during calendar year 1977-1984. Data based on MMPR.

Year	Finfish										Shellfish										
	Black drum	Atlantic flounder	Gafftopsail catfish	Sheepshead	Whiting	Mullet	Other	Unclassified		Total	Shrimp			Blue crabs	Stone crabs	Oysters	Squid	Total	Grand total		
								Food	Scrap		Brown and pink	White	Other							Total	
1977	39,889	15,012	0	6,523	0	188	133,412	154	0	202,007	231,089	1,428,055	0	1,659,144	2,181,587	0	438,391	50	4,279,172	4,481,179	
1978	31,040	11,857	0	247	11,544	0	88,466	22	0	143,750	685,755	630,176	0	1,315,931	1,925,483	0	560,780	0	3,802,194	3,945,954	
1979	8,679	5,083	0	243	5,903	0	63,914	680	0	84,502	738,899	952,150	0	1,691,049	2,681,111	0	600,745	0	4,972,905	5,057,407	
1980	17,636	10,073	0	49	4,851	0	143,247	89	0	175,945	1,173,386	559,288	0	1,732,674	3,011,967	0	361,303	0	5,105,944	5,281,889	
1981	9,887	11,426	0	28	2,939	0	30,381	67,021	0	121,682	736,031	587,894	0	1,323,925	3,211,057	0	142,641	0	4,677,623	4,799,305	
1982	352	9,226	0	0	388	0	0	0	0	9,966	809,548	450,250	0	1,259,798	2,310,435	0	53,925	0	3,624,158	3,634,124	
1983	6,694	6,070	0	641	3,177	0	215	0	0	16,797	1,094,207	385,703	0	1,479,910	2,546,789	0	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	4,275	1,802,751	12	5,089,641	5,124,521

Table B.6. Weight (lb) of each species landed commercially from the Aransas Bay system during calendar year 1977-1984. Data based on MMPR.

Year	Finfish										Shellfish										
	Black drum	Atlantic flounder	Gafftopsail catfish	Sheepshead	Whiting	Mullet	Other	Unclassified		Total	Shrimp			Blue crabs	Stone crabs	Oysters	Squid	Total	Grand total		
								Food	Scrap		Brown and pink	White	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	0	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	0	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	0	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	0	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	0	62,369	0	4,271,880	4,435,946
1982	36,491	119,852	258	542	59,483	0	8,851	0	0	225,477	1,916,457	841,457	0	2,757,914	2,150,379	0	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	0	117,119	105	6,541,436	6,706,646
1984	16,790	75,233	0	102	5,510	0	0	0	0	97,635	2,789,635	1,747,920	0	4,537,555	2,129,660	2,400	359,952	0	7,029,567	7,127,202	

Table B.7. Weight (lb) of each species landed commercially from the Corpus Christi Bay system during calendar year 1977-1984. Data based on MMPR.

Year	Finfish											Shellfish						Grand total		
												Shrimp			Blue crabs				Grand total	
	Black drum	Atlantic croaker	Gafftopsail catfish	Sheepshead	Whiting	Mullet	Other	Unclassified Food	Scrap	Total	Brown and pink	White	Other	Total	Stone crabs	Oysters	Squid			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	326,395	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	1,140	0	3,982,735	4,113,366

Table B.8. Weight (lb) of each species landed commercially from the upper Laguna Madre system during calendar year 1977-1984. Data based on MMPR.

Year	Finfish											Shellfish						Grand total		
												Shrimp			Blue crabs				Grand total	
	Black drum	Atlantic croaker	Gafftopsail catfish	Sheepshead	Whiting	Mullet	Other	Unclassified Food	Scrap	Total	Brown and pink	White	Other	Total	Stone crabs	Oysters	Squid			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	01,016,650	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	01,153,269	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

Table B.9. Weight (lb) of each species landed commercially from the lower Laguna Madre system during calendar year 1977-1984. Data based on MMPR.

Year	Finfish										Shellfish					Grand total			
	Black drum	Atlantic croaker	Gafftopsail catfish	Sheepshead	Whiting	Mullet	Other	Unclassified		Brown and pink	Shrimp		Blue crabs	Stone crabs	Oysters		Squid	Total	
								Food	Scrap		White	Other							Total
1977	378,258	35,255	17,121	147	27,603	0	0	878,924	836	22,071	360,215	0	0	0	0	9,066	0	984,310	2,344,525
1978	492,760	12,552	5,004	4,928	60,371	0	824	754,432	3,555	2,322	336,748	0	0	0	3,071	64	199,205	1,535,953	
1979	434,749	32,867	2,356	190	45,826	0	0	706,426	2,731	1,701	225,315	0	0	0	1,963	0	124,242	1,349,557	
1980	210,016	11,334	1,194	0	82,148	0	269	713,244	1,333	381	019,919	0	0	0	15,494	0	533,836	1,553,755	
1981	157,654	10,855	526	3	24,770	3	5,700	523,375	1,651	346	724,880	0	0	0	0	0	815,087	1,539,967	
1982	274,561	33,825	91	0	11,273	0	0	15	1,849	0	321,614	0	0	0	3,752	0	750,752	1,072,366	
1983	238,784	44,935	2,473	0	8,089	109	126	4,180	5,922	379	304,997	0	0	0	3,433	0	482,525	787,522	
1984	136,526	10,082	0	0	2,917	0	0	7	51	0	149,583	0	0	0	3,276	0	358,483	508,066	

Table B.10. Ex-vessel value (\$) of each species landed commercially from Sabine Lake system during calendar year 1977-1984. Data based on MMPR.

Year	Finfish										Shellfish					Grand total			
	Black drum	Atlantic croaker	Gafftopsail catfish	Sheepshead	Whiting	Mullet	Other	Unclassified		Brown and pink	Shrimp		Blue crabs	Stone crabs	Oysters		Squid	Total	
								Food	Scrap		White	Other							Total
1977	281	424	0	8	34	7	0	555	0	1,309	1,098	2,529	0	3,627	57,906	0	0	61,533	62,842
1978	0	166	0	0	12	23	0	0	0	201	0	4,528	0	4,528	163,290	0	0	167,818	168,019
1979	199	25	2	2	169	13	13	172	0	649	0	0	0	0	49,330	0	0	49,330	49,979
1980	24	43	55	0	166	69	28	1,374	20	8	1,787	37,519	1,354	39,986	24,044	0	0	64,030	65,817
1981	81	56	0	0	15	51	6	364	35	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	0	94	254	0	0	0	21	978	1,029	0	1,029	74,656	0	0	75,685	76,663
1984	110	161	0	0	499	0	0	0	0	770	8,762	12,338	0	21,100	204,300	0	0	225,400	226,170

Table B.11. Ex-vessel value (\$) of each species landed commercially from the Galveston Bay system during calendar year 1977-1984. Data based on MIPR.

Year	Finfish											Shellfish					Grand total					
	Atlantic					Gafftopsail			Sheepshead			Whiting		Mullet	Other	Unclassified		Total	Brown and pink	Shrimp		
	Black drum	Flounder	croaker	catfish	Sheepshead	Whiting	Mullet	Other	Food	Scrap	Total	Other	Food	Scrap	Total	White		Other	Total	Blue crabs	Stone crabs	Oysters
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	0	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	0	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	0	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	0	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	0	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	0	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	0	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	1,530	4,015,279	2,195	10,645,139	10,924,266	

Table B.12. Ex-vessel value (\$) of each species landed commercially from the Matagorda Bay system during calendar year 1977-1984. Data based on MIPR.

Year	Finfish											Shellfish					Grand total					
	Atlantic					Gafftopsail			Sheepshead			Whiting		Mullet	Other	Unclassified		Total	Brown and pink	Shrimp		
	Black drum	Flounder	croaker	catfish	Sheepshead	Whiting	Mullet	Other	Food	Scrap	Total	Other	Food	Scrap	Total	White		Other	Total	Blue crabs	Stone crabs	Oysters
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	0	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	0	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	0	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	0	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	95,838	0	130,348	0	3,415,455	3,440,402	
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	209,954	0	389,590	0	6,088,243	6,099,685	
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	245,017	0	264,756	55	10,191,011	10,209,161	
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	302,472	3,854	732,038	981	6,825,813	6,851,523	

Table B. 13. Ex-vessel value (\$) of each species landed commercially from the East Matagorda Bay system during calendar year 1977-1984. Data based on MIPR.

Year	Finfish											Shellfish						Grand total		
	Black drum	Atlantic croaker	Gafftopsail catfish	Sheepshead	Whiting	Mullet	Other	Unclassified			Shrimp			Blue crabs	Stone crabs	Oysters	Squid		Total	
								Food	Scrap	Total	Brown and pink	White	Other							Total
1977	2,656	2,112	9	0	709	0	24,164	0	1,403	30,953	0	0	0	0	75,882	0	1,224	0	77,106	108,059
1978	2,759	2,276	0	0	550	0	22,530	0	0	28,115	0	0	0	0	66,482	0	792	0	67,274	95,389
1979	2,655	614	0	94	487	0	18,033	0	0	21,883	0	0	0	0	48,079	0	38,020	0	86,099	107,982
1980	1,770	392	0	0	206	0	35,545	0	0	37,913	0	0	0	0	123,063	0	3,861	0	126,924	164,837
1981	906	342	7	21	35	5	10,387	11	0	11,714	0	0	0	23,578	0	43,804	0	67,382	79,096	
1982	1,454	10,815	0	1,105	1,088	0	22	1,351	0	15,835	0	0	0	189,697	0	0	0	189,697	205,532	
1983	316	8,384	0	2	117	0	281	2	0	9,102	0	0	0	157,135	0	26,985	0	184,120	193,222	
1984	142	3,188	0	80	99	15	0	14	13	3,551	0	0	0	73,935	519	96,489	0	170,943	174,494	

Table B. 14. Ex-vessel value (\$) of each species landed commercially from the San Antonio Bay system during calendar year 1977-1984. Data based on MIPR.

Year	Finfish											Shellfish						Grand total		
	Black drum	Atlantic croaker	Gafftopsail catfish	Sheepshead	Whiting	Mullet	Other	Unclassified			Shrimp			Blue crabs	Stone crabs	Oysters	Squid		Total	
								Food	Scrap	Total	Brown and pink	White	Other							Total
1977	9,631	8,965	0	1,254	757	0	38	71,942	69	92,656	74,219	975,469	0	1,049,688	506,154	0	428,621	8	1,984,471	2,077,127
1978	9,021	9,331	0	43	1,595	0	83	63,048	3	83,124	221,690	613,291	0	834,981	504,868	0	661,881	0	2,001,730	2,084,854
1979	3,231	4,830	0	43	1,134	0	0	57,467	272	66,977	570,771	1,149,737	0	1,720,508	723,938	0	686,703	0	3,131,149	3,198,126
1980	8,365	9,856	0	27	1,032	0	0	133,602	9	152,891	1,028,620	775,524	0	1,804,144	802,172	0	503,258	0	3,109,574	3,262,465
1981	5,446	13,065	0	11	737	0	1,519	69,704	0	90,482	461,439	537,989	0	999,428	797,729	0	194,686	0	1,991,843	2,082,325
1982	193	10,192	0	0	65	0	0	0	0	10,450	663,891	687,225	0	1,351,116	653,507	0	63,737	0	2,068,360	2,078,810
1983	4,299	7,521	0	211	678	0	65	0	0	12,774	1,307,198	638,401	0	1,945,599	1,021,105	0	908,940	36	3,875,680	3,888,454
1984	5,754	11,051	0	788	2,464	28	886	1,021	0	22,295	881,545	1,017,071	0	1,898,616	376,917	1,810	2,727,333	6	5,004,682	5,026,973

Table B. 15. Ex-vessel value (\$) of each species landed commercially from the Aransas Bay system during calendar year 1977-1984. Data based on MMPR.

Year	Finfish										Shellfish						Grand total				
	Black drum	Flounder	Atlantic croaker	Gafftopsail catfish	Sheepshead	Whiting	Mullet	Other	Unclassified		Total	Shrimp			Stone crabs	Blue crabs		Oysters	Squid	Total	
									Food	Scrap		Brown and pink	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	0	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	0	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	0	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	0	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	0	91,656	0	2,440,524	2,592,460
1982	23,801	111,574	58	133	16,555	0	876	0	0	0	152,997	1,422,764	1,496,129	0	2,918,893	615,757	0	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	0	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	4,200	540,829	0	5,704,595	5,773,948

Table B. 16. Ex-vessel value (\$) of each species landed commercially from the Corpus Christi Bay system during calendar year 1977-1984. Data based on MMPR.

Year	Finfish										Shellfish						Grand total				
	Black drum	Flounder	Atlantic croaker	Gafftopsail catfish	Sheepshead	Whiting	Mullet	Other	Unclassified		Total	Shrimp			Stone crabs	Blue crabs		Oysters	Squid	Total	
									Food	Scrap		Brown and pink	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	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	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	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	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	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	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	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	1,197	0	508	3,953,607	4,030,778

Table B.17. Ex-vessel value (\$) of each species landed commercially from the upper Laguna Madre system during calendar year 1977-1984. Data based on MMPR.

Year	Finfish											Shellfish					Grand total				
	Black drum	Flounder	Atlantic croaker	Gafftopsail catfish	Sheepshead	Whiting	Mullet	Other	Unclassified		Brown and pink	Shrimp			Blue crabs	Stone crabs		Oysters	Squid	Total	
									Food	Scrap		Total	White	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	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	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	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	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	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	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	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	0	8,056	239,789

Table B.18. Ex-vessel value (\$) of each species landed commercially from the lower Laguna Madre system during calendar year 1977-1984. Data based on MMPR.

Year	Finfish											Shellfish					Grand total			
	Black drum	Flounder	Atlantic croaker	Gafftopsail catfish	Sheepshead	Whiting	Mullet	Other	Unclassified		Brown and pink	Shrimp			Blue crabs	Stone crabs		Oysters	Squid	Total
									Food	Scrap		Total	White	Other						
1977	84,443	16,294	1,056	30	2,138	0	0	421,397	93	5,518	530,969	0	0	0	239,526	0	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	50,571	0	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	30,801	0	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	130,942	0	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	234,290	0	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	212,255	0	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	183,548	0	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	102,235	0	6,415	0	108,650	200,591

Appendix C. Weight (lb) and ex-vessel value (\$) of commercial landings from the Gulf of Mexico grid zones during calendar years 1977-1984.

Table C.1. Weight (lb) of each species landed commercially from Gulf of Mexico grid zone 17.0 during calendar years 1977-1984. Data based on MMPR.

Year	Finfish											Shellfish			Grand total		
	Finfish											Shellfish					
	Black drum	Atlantic croaker	Gafftopsail catfish	Sheepshead	Whiting	Mullet	Cobia	Grouper	Snapper	Other	Unclassified Food	Scrap	Total	Blue crabs		Squid	Total
1977	5,810	2,888	386	1,615	4,805	0	200	629	36,211	3,864	0	0	56,458	0	0	0	56,458
1978	20,455	2,539	0	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	587	418	0	0	0	3,222	3,277	0	0	8,871	100	0	100	8,971
1980	113	3,619	352	471	3,668	0	0	582	825	312	71	276	10,289	3,149	0	3,149	13,438
1981	71	2,816	29	532	1,250	619	0	4	235	129	0	515	6,762	5,860	0	5,860	12,662
1982	62	4,010	35	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	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	171	453	0	0	199	6,102	0	0	480	11,857	962	200	1,162	13,019

Table C.2. Weight (lb) of each species landed commercially from Gulf of Mexico grid zone 18.0 during calendar years 1977-1984. Data based on MMPR.

Year	Finfish											Shellfish			Grand total		
	Finfish											Shellfish					
	Black drum	Atlantic croaker	Gafftopsail catfish	Sheepshead	Whiting	Mullet	Cobia	Grouper	Snapper	Other	Unclassified Food	Scrap	Total	Blue crabs		Squid	Total
1977	28,861	55,084	2,266	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	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	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	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	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	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	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	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

Table C.3. Weight (lb) of each species landed commercially from Gulf of Mexico grid zone 19.0 during calendar years 1977-1984. Data based on MMPR.

Year	Finfish											Shellfish			Grand total			
	Black drum	Atlantic croaker	Gafftopsail catfish	Sheepshead	Whiting	Mullet	Cobia	Grouper	Snapper	Other	Unclassified Food Scrap	Total	Blue crabs	Squid		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	135,372	137	532	669	136,041
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	13,252	134,083	54,133	7,396	2,086	248,932	0	1,551	1,551	250,483

Table C.4. Weight (lb) of each species landed commercially from Gulf of Mexico grid zone 20.0 during calendar years 1977-1984. Data based on MMPR.

Year	Finfish											Shellfish			Grand total			
	Black drum	Atlantic croaker	Gafftopsail catfish	Sheepshead	Whiting	Mullet	Cobia	Grouper	Snapper	Other	Unclassified Food Scrap	Total	Blue crabs	Squid		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	0	616	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	310	310	109,225

Table C.5. Weight (lb) of each species landed commercially from Gulf of Mexico grid zone 21.0 during calendar years 1977-1984. Data based on MMPR.

Year	Finfish											Shellfish				Grand total		
	Black drum	Flounder	Atlantic croaker	Gafftopsail catfish	Sheepshead	Whiting	Mullet	Cobia	Grouper	Snapper	Other	Unclassified		Blue crabs	Squid		Total	
												Food	Scrap					
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	14,194	94,833	17,519	33,359	0	180,737	0	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	1,605	1,605	260,457

Table C.6. Ex-vessel value (\$) of each species landed commercially in Gulf of Mexico grid zone 17.0 during calendar years 1977-1984. Data based on MMPR.

Year	Finfish											Shellfish				Grand total		
	Black drum	Flounder	Atlantic croaker	Gafftopsail catfish	Sheepshead	Whiting	Mullet	Cobia	Grouper	Snapper	Other	Unclassified		Blue crabs	Squid		Total	
												Food	Scrap					
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

Table C.7. Ex-vessel value (\$) of each species landed commercially from Gulf of Mexico grid zone 18.0 during calendar years 1977-1984. Data based on MMRP.

Year	Finfish											Shellfish			Grand total			
	Black drum	Flounder	Atlantic croaker	Gafftopsail catfish	Sheepshead	Whiting	Mullet	Cobia	Groupers	Snappers	Other	Unclassified Food	Unclassified Scrap	Total		Blue crabs	Squid	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

Table C.8. Ex-vessel value (\$) of each species landed commercially from Gulf of Mexico grid zone 19.0 during calendar years 1977-1984. Data based on MMRP.

Year	Finfish											Shellfish			Grand total			
	Black drum	Flounder	Atlantic croaker	Gafftopsail catfish	Sheepshead	Whiting	Mullet	Cobia	Groupers	Snappers	Other	Unclassified Food	Unclassified Scrap	Total		Blue crabs	Squid	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	11,950	242,157	16,130	5,296	132	300,284	0	514	514	300,798

Table C.9. Ex-vessel value (\$) of each species landed commercially from Gulf of Mexico grid zone 20.0 during calendar years 1977-1984. Data based on MMPR.

Year	Finfish											Shellfish			Grand total													
	Black drum	Flounder	Atlantic croaker	Gafftopsail catfish	Sheepshead	Whiting	Mullet	Cobia	Grouper	Snapper	Other	Unclassified Food Scrap	Total	Blue crabs		Squid	Total											
1977	35	149	0	0	0	0	5	0	0	0	173	0	0	0	0	0	362	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	0					
1980	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
1981	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
1982	682	383	0	0	0	0	0	0	0	1,170	0	0	0	0	0	0	0	0	0	0	0	0	2,235	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	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	0	0	0	0	0	0	0	0	0	164,270	0	155	155	164,425	

Table C.10. Ex-vessel (\$) of each species landed commercially from Gulf of Mexico grid zone 21.0 during calendar years 1977-1984. Data based on MMPR.

Year	Finfish											Shellfish			Grand total			
	Black drum	Flounder	Atlantic croaker	Gafftopsail catfish	Sheepshead	Whiting	Mullet	Cobia	Grouper	Snapper	Other	Unclassified Food Scrap	Total	Blue crabs		Squid	Total	
1977	2,270	2,647	24	7	430	59	0	197	2,014	262,676	1,054	1,753	0	273,131	0	37	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	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	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	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	213,253
1982	6,289	13,173	54	8	143	117	0	0	20,257	227,404	0	12,543	72	280,060	0	390	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	655	132,651
1984	6,112	2,421	0	35	103	39	0	29	5,939	335,990	9,275	6,208	0	366,151	0	442	442	366,593

Table C.11. Weight (lb x 1000) of each shrimp species (heads-on) landed commercially from the Gulf of Mexico during calendar years 1977-1984. Data based on NMFS.

Year	Brown and pink	White	Other	Total
1977	67,186.4	10,028.8	258.7	77,473.9
1978	57,240.3	13,171.5	332.3	70,744.1
1979	43,265.0	8,446.5	719.2	52,430.7
1980	50,300.6	7,422.1	1,325.6	59,048.3
1981	71,337.8	10,064.5	1,075.7	82,478.0
1982	44,549.0	10,852.3	1,210.6	56,611.8
1983	40,657.1	12,336.2	916.8	53,910.1
1984	50,332.7	17,437.8	232.4	68,002.9

Table C.12. Ex-vessel value (\$ x 1000) of each shrimp species (heads-on) landed commercially from the Gulf of Mexico during calendar years 1977-1984. Data based on NMFS.

Year	Brown and pink	White	Other	Total
1977	97,992.2	16,356.9	234.9	114,584.0
1978	99,880.9	28,144.5	344.5	128,369.9
1979	111,142.2	23,575.6	381.1	135,098.9
1980	107,142.1	15,570.3	431.8	123,144.2
1981	129,069.4	24,541.3	317.9	153,928.6
1982	126,037.3	30,800.9	504.2	157,342.4
1983	113,408.4	33,074.0	330.7	146,813.1
1984	116,760.5	40,281.4	198.2	157,240.1

Appendix D. Monthly commercial finfish and shellfish landings (lb) and ex-vessel value (\$) from Texas bay systems during calendar year 1984.

Table D.1. Weight (lb) of each species landed commercially from the Sabine Lake system during calendar year 1984. Data based on MIPR.

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total
FINFISH													
Black drum	0	0	0	0	0	0	0	227	0	17	0	0	244
Flounder	0	0	0	3	0	0	0	0	0	173	0	0	176
Sheepshead	0	0	353	235	353	588	0	0	0	0	0	59	1,588
Total finfish	0	0	353	238	353	588	0	227	0	190	0	59	2,008
SHELLFISH													
Shrimp													
Brown and pink	0	0	0	0	3,460	209	0	8,665	50	0	0	0	12,384
White	0	0	0	0	859	0	0	3,337	2,239	4,016	0	0	10,451
Total Shrimp	0	0	0	0	4,319	209	0	12,002	2,289	4,016	0	0	22,835
Blue crabs	100	5,598	900	21,920	57,807	66,582	11,689	5,039	32,263	155,968	120,982	76,456	555,304
Total shellfish	100	5,598	900	21,920	62,126	66,791	11,689	17,041	34,552	159,984	120,982	76,456	578,139
Grand Total	100	5,598	1,253	22,158	62,479	67,379	11,689	17,268	34,552	160,174	120,982	76,515	580,147

Table D.2. Weight (lb) of each species landed commercially from the Galveston Bay system during calendar year 1984. Data based on MMFR.

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total
FINFISH													
Atlantic croaker	0	0	0	0	64	44	86	535	746	139	183	0	1,797
Atlantic Spadefish	0	0	0	0	197	0	114	0	198	0	0	0	509
Black drum	717	980	449	3,047	17,828	47,679	3,530	101,035	55,780	26,993	7,585	3,423	269,046
Florida pompano	0	0	0	79	128	939	0	118	128	35	8	0	1,435
Flounder	1,266	3,583	1,036	1,380	2,467	2,352	1,403	3,278	9,111	30,577	66,385	4,915	127,753
Gafftopsail catfish	760	37	0	866	11,102	3,393	162	1,491	9	0	75	0	17,895
Mackerel	0	0	0	0	0	0	0	0	39	64	0	0	103
Mullet	0	0	29	232	7,498	10,231	1,886	6,864	6,026	4,153	2,010	11,367	50,296
Sand Seatrout	0	0	0	0	0	0	0	0	0	0	1,053	0	1,053
Sharks, unclassified	0	0	0	0	0	0	93	0	0	0	0	0	93
Sheepshead	2,563	16	3,007	2,251	7,665	6,795	678	13,246	11,399	17,695	8,523	1,110	74,948
Unclassified - Food	150	1,268	350	0	4,390	2,475	1,162	1,715	3,609	1,204	172	0	16,495
Unclassified - Scrap	0	0	7,510	3,831	3,708	2,049	1,245	2,383	1,340	71	253	10	22,400
Whiting	1,184	0	0	0	0	32	26	477	0	0	62	187	1,968
Total finfish	6,640	5,884	12,381	11,686	55,047	75,989	10,385	131,142	88,385	80,931	86,309	21,012	585,791
SHELLFISH													
Shrimp													
Brown and pink	0	0	0	0	296,744	1,479,084	732,039	45,815	5,036	0	0	0	2,558,708
White	2,878	18,145	1,479	3,508	33,520	10,867	14,525	1,302,370	924,525	652,653	546,656	93,155	3,604,281
Total Shrimp	2,878	18,145	1,479	3,508	330,264	1,489,951	746,564	1,348,185	929,561	652,653	546,656	93,155	6,162,989
Blue crabs	1,577	46,959	26,029	51,727	107,393	164,393	141,182	249,169	169,480	175,467	137,053	104,173	1,374,602
Oysters	836,901	560,638	403,009	48,214	90,984	118,771	78,029	18,831	90,441	99,051	4,200	10,956	2,360,205
Stone crabs	0	0	0	0	0	856	148	60	170	208	296	48	1,786
Squid	0	0	0	153	4,298	271	98	933	256	607	83	15	6,714
Total shellfish	841,356	625,742	430,517	103,602	532,939	1,774,242	966,191	1,617,178	1,189,908	927,986	688,288	208,347	9,906,296
Grand Total	847,996	631,626	442,898	115,288	587,986	1,850,231	976,576	1,748,320	1,278,293	1,008,917	774,597	229,359	10,492,087

Table D.3. Weight (lb) of each species landed commercially from the Matagorda Bay system during calendar year 1984. 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	3	0	0	15	0	0	0	18
Black drum	0	57	0	244	0	3	11	55	147	66	0	25	608
Flounder	0	298	0	141	20	2,723	2,068	1,222	1,122	687	6,015	1,590	15,886
Gafftopsail catfish	0	0	0	0	3	82	0	32	18	0	0	0	135
Mullet	17,429	0	0	0	0	0	0	393	103	501	919	30	19,375
Sand seatrout	0	0	0	0	0	3	0	5	0	669	426	2	1,045
Sheepshead	0	74	0	62	0	265	126	0	59	15	60	88	749
Unclassified - Food	0	0	0	1,940	0	2	0	0	0	522	0	0	2,464
Unclassified - Scrap	0	0	0	0	15,639	7,631	0	556	0	518	307	1,878	26,529
Whiting	0	0	0	0	0	29	19	12	32	8	0	2	102
Total finfish	17,429	429	0	2,387	15,662	10,741	2,224	2,275	1,496	2,926	7,727	3,615	66,911
SHELLFISH													
Shrimp													
Brown and pink	0	0	0	0	1,630,685	1,425,332	539,604	121,904	322	4,291	70,029	58,940	2,851,107
White	0	0	0	1,658	28,882	84,449	5,644	657,695	675,807	749,095	620,383	67,080	2,890,693
Other	0	0	0	0	0	150	0	0	0	0	0	0	150
Total Shrimp	0	0	0	1,658	659,567	1,509,931	545,248	779,599	676,129	753,386	690,412	126,020	5,741,950
Blue crabs	6	67,831	154,767	106,595	184,714	86,828	61,212	44,950	18,912	52,352	42,306	106,994	927,467
Oysters	52,431	45,257	112,838	195,915	0	0	0	0	0	0	19,968	22,228	448,637
Stone crabs	0	0	0	0	0	0	0	2,600	12	3,188	1,393	0	7,193
Squid	0	0	0	0	0	2	323	1,426	273	243	0	0	2,267
Total shellfish	52,437	113,088	267,605	304,168	844,281	1,596,761	606,783	828,575	695,326	809,169	754,079	255,242	7,127,514
Grand Total	69,866	113,517	267,605	306,555	859,943	1,607,502	609,007	830,850	696,822	812,095	761,806	258,857	7,194,425

Table D. 4. Weight (lb) of each species landed commercially from the East Matagorda Bay system during calendar year 1984. Data based on MMPR.

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total
FINFISH													
Black drum	0	0	150	0	39	0	3	7	0	0	0	0	199
Flounder	1,445	0	12	0	40	0	11	1,460	0	0	0	0	2,968
Sand Seatrout	0	0	0	0	0	0	0	0	0	18	0	0	18
Sheepshead	0	0	96	0	74	0	0	51	0	0	0	0	221
Unclassified - Food	0	0	15	0	10	0	0	0	0	0	0	0	25
Whiting	0	0	0	0	15	0	18	0	0	0	0	0	33
Total finfish	1,445	0	273	0	178	0	210	1,518	0	18	0	0	3,642
SHELLFISH													
Blue crabs	1,568	0	0	299	90	1,200	95,310	79,129	68,901	49,030	21,998	0	317,525
Oysters	12,391	25,309	6,318	3,431	0	0	0	0	0	0	7,473	3,395	58,317
Stone crabs	0	0	0	0	0	0	0	500	700	914	0	0	2,114
Total shellfish	13,959	25,309	6,318	3,730	90	1,200	95,310	79,629	69,601	49,944	29,471	3,395	377,956
Grand Total	15,404	25,309	6,591	3,730	268	1,200	95,520	81,147	69,601	49,962	29,471	3,395	381,598

Table D.5. Weight (lb) of each species landed commercially from the San Antonio Bay system during calendar year 1984. 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	1,044	615	3,541	289	1,522	478	0	7,489
Flounder	0	285	0	645	430	334	2,398	839	558	1,149	1,805	0	8,443
Gafftopsail catfish	0	0	0	794	362	134	235	342	177	37	0	48	2,129
Mullet	0	341	0	0	0	113	604	98	799	399	494	0	2,848
Sand seatrout	0	0	0	0	0	0	0	0	0	541	0	955	1,496
Sheepshead	0	0	0	0	0	1,149	773	913	875	2,189	1,298	161	7,358
Unclassified - Scrap	0	0	0	0	0	0	4,616	0	439	0	0	0	5,055
Whiting	0	0	0	0	0	0	0	0	0	0	62	0	62
Total finfish	0	626	0	1,439	792	2,774	9,241	5,733	3,137	5,837	4,137	1,164	34,880
SHELLFISH													
Shrimp													
Brown and pink	0	0	0	0	565,979	347,414	180,842	15,033	2,574	1,742	243	0	1,113,827
White	0	0	0	0	428	21,515	237	320,334	198,833	135,547	68,242	0	745,136
Total Shrimp	0	0	0	0	566,407	368,929	181,079	335,367	201,407	137,289	68,485	0	1,858,963
Blue crabs	0	100,479	95,798	183,500	77,855	80,164	78,496	234,887	232,022	264,938	72,803	2,680	1,423,640
Oysters	211,157	171,712	153,792	159,928	0	0	0	20,965	0	0	508,640	576,557	1,802,751
Stone crabs	0	0	0	0	0	0	0	400	1,738	440	797	900	4,275
Squid	0	0	0	0	0	0	0	0	12	0	0	0	12
Total shellfish	211,157	272,209	249,590	343,428	644,262	449,093	259,575	591,619	435,179	402,667	650,725	580,137	5,089,641
Grand Total	211,157	272,835	249,590	344,867	645,054	451,867	268,816	597,352	438,316	408,504	654,862	581,301	5,124,521

Table D.6. Weight (lb) of each species landed commercially from the Arkansas Bay system during calendar year 1984. Data based on MIPR.

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total
FISH													
Black drum	5,114	0	0	0	2,614	389	468	900	0	575	4,183	2,547	16,790
Flounder	19	0	0	22	602	488	701	499	2,040	1,731	32,306	36,825	75,233
Gafftopsail catfish	0	0	0	0	0	0	0	0	30	23	49	0	102
Sheepshead	1,011	0	0	0	732	367	87	147	265	235	1,150	1,516	5,510
Total finfish	6,144	0	0	22	3,948	1,244	1,256	1,546	2,335	2,564	37,688	40,888	97,635
SHELLFISH													
Shrimp													
Brown and pink	0	0	0	0	777,174	816,724	997,918	182,812	5,645	0	1,431	7,931	2,789,635
White	0	180	0	0	4,618	8,675	2,946	411,529	406,025	577,889	312,913	23,145	1,747,920
Total Shrimp	0	180	0	0	781,792	825,399	1,000,864	594,341	411,670	577,889	314,344	31,076	4,537,555
Blue crabs	103	253,681	132,306	218,727	163,693	164,951	310,716	223,844	140,255	253,722	109,217	158,445	2,129,660
Oysters	56,403	33,916	32,988	21,566	0	0	0	0	0	0	159,935	55,144	359,952
Stone crabs	0	0	0	0	0	0	2,400	0	0	0	0	0	2,400
Total shellfish	56,506	287,777	165,294	240,293	945,485	990,350	1,313,980	818,185	551,925	831,611	583,496	244,665	7,029,567
Grand Total	62,650	287,777	165,294	240,315	949,433	991,594	1,315,236	819,731	554,260	834,175	621,184	285,553	7,127,202

Table D.7. Weight (lb) of each species landed commercially from the Corpus Christi Bay system during calendar year 1984. Data based on MMPR.

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total
FINFISH													
Black drum	18,403	11,285	23,794	3,047	910	56	6	318	682	1,180	2,038	2,901	64,620
Florida pompano	0	0	0	0	0	0	0	0	0	0	0	24	24
Flounder	5,472	1,691	2,072	156	955	431	353	116	225	4,536	7,463	8,766	32,236
Gafftopsail catfish	0	0	462	34	0	0	0	0	0	37	66	0	599
Mullet	0	0	0	18	0	0	37	0	0	0	317	1,143	1,515
Sheepshead	8,447	3,570	11,396	4,300	255	11	0	6	0	359	1,413	1,428	31,185
Unclassified - Scrap	0	0	0	0	0	0	0	0	0	63	11	378	452
Total finfish	32,322	16,546	37,724	7,555	2,120	498	396	440	907	6,175	11,308	14,640	130,631
SHELLFISH													
Shrimp													
Brown and pink	0	0	0	0	992,328	1,131,123	132,131	26,866	20,817	22,950	259	66,831	2,393,305
White	0	0	352	0	6,595	5,598	192,437	297,599	187,029	342,987	398,010	80,534	1,511,141
Total Shrimp	0	0	352	0	998,923	1,136,721	324,568	324,465	207,846	365,937	398,269	147,365	3,904,446
Blue crabs	940	0	4,115	0	7,200	8,112	0	0	4,128	14,177	18,959	18,504	76,135
Stone crabs	0	0	0	0	0	0	0	0	1,140	0	0	0	1,140
Squid	0	0	0	22	0	0	0	0	0	0	575	417	1,014
Total shellfish	940	0	4,467	22	1,006,123	1,144,833	324,568	324,465	213,114	380,114	417,803	166,286	3,982,735
Grand Total	33,262	16,546	42,191	7,577	1,008,243	1,145,331	324,964	324,905	214,021	386,289	429,111	180,926	4,113,360

Table D.B. Weight (lb) of each species landed commercially from the upper Laguna Madre system during calendar year 1984. Data based on MMPR.

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total
FINFISH													
Black drum	73,631	56,234	49,696	42,359	13,167	205	4,541	32,761	20,309	7,822	39,497	33,597	373,819
Florida pompano	3	0	7	7	0	0	26	28	270	108	0	71	520
Flounder	722	464	567	1,094	53	0	44	306	680	2,476	17,662	4,219	28,287
Gafftopsail catfish	0	246	323	480	0	0	0	0	0	0	0	0	1,049
Sheepshead	3,807	1,806	5,326	3,383	432	21	156	1,027	2,495	3,236	14,058	7,839	43,586
Total finfish	78,163	58,750	55,919	47,323	13,652	226	4,767	34,122	23,754	13,642	71,217	45,726	447,261
SHELLFISH													
Blue crabs	0	0	7,959	0	10,268	0	0	0	1,500	0	0	0	19,727
Total shellfish	0	0	7,959	0	10,268	0	0	0	1,500	0	0	0	19,727
Grand Total	78,163	58,750	63,878	47,323	23,920	226	4,767	34,122	25,254	13,642	71,217	45,726	466,988

Table D.9. Weight (lb) of each species landed commercially from the lower Laguna Madre system during calendar year 1984. Data based on MMPR.

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total
FIMFISH													
Black drum	43,242	23,895	7,245	4,141	2,453	3,221	1,382	2,174	4,884	20,413	12,003	11,473	136,526
Florida pompano	0	0	0	0	0	0	0	0	0	0	7	0	7
Flounder	441	317	229	207	1,236	644	773	720	456	2,350	1,795	914	10,082
Sheepshead	1,488	1,065	28	0	8	12	55	22	0	59	149	31	2,917
Unclassified - Food	0	0	0	0	0	51	0	0	0	0	0	0	51
Total finfish	45,171	25,277	7,502	4,348	3,697	3,928	2,210	2,916	5,340	22,822	13,954	12,418	149,583
SHELLFISH													
Blue crabs	2,058	19,512	25,883	43,382	55,146	19,841	24,775	35,389	34,960	38,351	27,510	28,400	355,207
Oysters	735	788	613	123	88	105	158	105	53	35	0	473	3,276
Total shellfish	2,793	20,300	26,496	43,505	55,234	19,946	24,993	35,494	35,013	38,386	27,510	28,873	358,483
Grand Total	47,964	45,577	33,998	47,853	58,931	23,874	27,143	38,410	40,353	61,208	41,464	41,291	508,066

Table D.10. Ex-vessel value (\$) of each species landed commercially from the Sabine Lake system during calendar year 1984. Data based on MHPR.

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total
FINFISH													
Black drum	0	0	0	0	0	0	0	102	0	8	0	0	110
Flounder	0	0	0	3	0	0	0	0	0	158	0	0	161
Sheeps head	0	0	124	71	159	118	0	0	0	0	0	27	499
Total finfish	0	0	124	74	159	118	0	102	0	166	0	27	770
SHELLFISH													
Shrimp													
Brown and pink	0	0	0	0	2,768	65	0	5,892	37	0	0	0	8,762
White	0	0	0	0	2,680	0	0	2,202	2,597	4,859	0	0	12,338
Total Shrimp	0	0	0	0	5,448	65	0	8,094	2,634	4,859	0	0	21,100
Blue crabs	50	2,844	360	9,291	23,417	27,065	5,260	1,915	11,292	54,589	41,457	26,760	204,300
Total shellfish	50	2,844	360	9,291	28,865	27,130	5,260	10,009	13,926	59,448	41,457	26,760	225,400
Grand Total	50	2,844	484	9,365	29,024	27,248	5,260	10,111	13,926	59,614	41,457	26,787	226,170

Table D.11. Ex-vessel value (\$) of each species landed commercially from the Galveston Bay system during calendar year 1984. 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	10	6	40	164	207	26	40	0	493
Atlantic Spadefish	0	0	0	0	79	0	46	0	79	0	0	0	204
Black drum	371	384	218	1,494	9,888	15,348	2,490	42,947	19,543	8,000	3,775	2,443	106,901
Florida pompano	0	0	0	0	218	172	0	77	19	5	2	0	513
Flounder	1,204	3,528	1,063	1,365	2,498	2,345	1,388	3,086	8,646	32,138	71,790	4,918	133,969
Gafftopsail catfish	190	13	0	231	2,142	1,020	49	187	3	0	23	0	3,858
Mackerel	0	0	0	0	0	0	0	0	6	13	0	0	19
Mullet	0	0	10	23	847	1,062	223	701	646	418	201	1,354	5,485
Sand Seatrout	0	0	0	0	0	0	0	0	0	0	369	0	369
Sharks, unclassified	0	0	0	0	0	0	33	0	0	0	0	0	33
Sheepshead	641	6	928	679	1,585	1,365	147	2,694	2,217	3,373	1,540	281	15,456
Unclassified - Food	60	601	53	0	2,412	831	304	686	774	186	51	0	5,958
Unclassified - Scrap	0	0	2,629	575	654	423	220	445	389	27	25	5	5,392
Whiting	296	0	0	0	0	6	3	142	0	0	12	37	496
Total finfish	2,762	4,532	4,901	4,387	20,333	22,578	4,943	51,129	32,529	44,168	77,828	9,038	279,146
SHELLFISH													
Shrimp													
Brown and pink	0	0	0	0	125,998	1,115,876	767,453	49,409	2,719	0	0	0	2,061,455
White	2,792	12,520	961	8,618	98,879	21,928	8,564	1,561,673	1,111,145	686,338	455,404	63,934	4,032,756
Total Shrimp	2,792	12,520	961	8,618	224,877	1,137,804	776,017	1,611,082	1,113,864	686,338	455,404	63,934	6,094,211
Blue crabs	327	22,073	11,646	22,220	45,394	61,719	53,583	91,460	64,515	66,204	51,967	40,816	531,924
Oysters	1,487,777	874,811	666,663	64,478	130,109	220,711	150,805	30,821	175,544	188,220	7,200	18,140	4,015,279
Stone crabs	0	0	0	0	0	788	133	111	165	182	189	42	1,610
Squid	0	0	0	84	1,300	116	29	332	107	184	37	6	2,195
Total shellfish	1,490,896	909,404	679,270	95,400	401,680	1,421,138	980,567	1,733,806	1,354,195	941,128	514,797	122,938	10,645,219
Grand Total	1,493,658	913,936	684,171	99,787	422,013	1,443,716	985,510	1,784,935	1,386,724	985,314	592,625	131,976	10,924,365

Table D. 12. Ex-vessel value (\$) of each species landed commercially from the Matagorda Bay system during calendar year 1984. 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	2	0	0	7	0	0	0	9
Black drum	0	46	0	162	0	2	6	39	92	44	0	20	411
Flounder	0	225	0	171	21	3,671	2,786	1,462	1,447	769	7,176	2,576	20,304
Gafftopsail catfish	0	0	0	0	2	39	0	14	17	0	0	0	72
Mullet	1,569	0	0	0	0	0	0	38	10	50	90	3	1,760
Sand seatrout	0	0	0	0	0	3	0	2	0	426	303	2	736
Sheepshead	0	33	0	28	0	93	44	0	27	7	26	40	298
Unclassified - Food	0	0	0	116	0	2	0	0	0	63	0	0	181
Unclassified - Scrap	0	0	0	0	938	763	0	33	0	31	18	113	1,896
Whiting	0	0	0	0	0	14	4	5	14	4	0	2	43
Total finfish	1,569	304	0	477	961	4,589	2,840	1,593	1,614	1,394	7,613	2,756	25,710
SHELLFISH													
Shrimp													
Brown and pink	0	0	0	0	348,698	954,346	390,907	166,946	225	4,677	39,216	28,881	1,933,896
White	0	0	0	3,100	85,259	205,626	18,797	738,566	919,855	1,163,105	681,503	36,501	3,852,312
Other	0	0	0	0	0	260	0	0	0	0	0	0	260
Total Shrimp	0	0	0	3,100	433,957	1,160,232	409,704	905,512	920,080	1,167,782	720,719	65,382	5,786,468
Blue crabs													
Oysters	3	22,552	54,172	32,252	51,392	3,320	20,335	17,365	9,669	16,833	14,600	32,979	302,472
Stone crabs	90,444	76,522	196,652	310,574	0	0	0	0	0	0	28,166	29,680	732,038
Squid	0	0	0	0	0	0	0	2,340	5	925	584	0	3,854
Total shellfish	90,447	99,074	250,824	345,926	485,349	1,190,554	430,184	925,807	929,891	1,185,647	764,069	128,041	6,821,133
Grand Total	92,016	99,378	250,824	346,403	486,310	1,195,143	433,024	927,400	931,505	1,187,041	771,682	130,797	6,846,843

Table D.13. Ex-vessel value (\$) of each species landed commercially from the East Mataogorda Bay system during calendar year 1984. Data based on WIPR.

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total
FINFISH													
Black drum	0	0	120	0	18	0	0	1	3	0	0	0	142
Flounder	1,156	0	13	0	38	0	10	1,971	0	0	0	0	3,188
Sand Seatrout	0	0	0	0	0	0	0	0	0	14	0	0	14
Sheepshead	0	0	43	0	33	0	0	23	0	0	0	0	99
Unclassified - Food	0	0	8	0	5	0	0	0	0	0	0	0	13
Whiting	0	0	0	0	7	0	8	0	0	0	0	0	15
Total finfish	1,156	0	184	0	101	0	99	1,997	0	14	0	0	3,551
SHELLFISH													
Blue crabs	314	0	0	120	59	480	20,196	16,765	17,249	12,813	5,939	0	73,935
Oysters	21,240	41,906	10,908	5,587	0	0	0	0	0	0	11,610	5,238	96,489
Stone crabs	0	0	0	0	0	0	0	105	175	239	0	0	519
Total shellfish	21,554	41,906	10,908	5,707	59	480	20,196	16,870	17,424	13,052	17,549	5,238	170,943
Grand Total	22,710	41,906	11,092	5,707	160	480	20,295	18,867	17,424	13,066	17,549	5,238	174,494

Table D.14. Ex-vessel value (\$) of each species landed commercially from the San Antonio Bay system during calendar year 1984. Data based on WMPR.

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total
FINFISH													
Black drum	0	0	0	0	0	835	486	2,833	231	987	382	0	5,754
Flounder	0	228	0	774	581	418	3,174	1,129	809	1,449	2,489	0	11,051
Gafftopsail catfish	0	0	0	357	163	34	59	86	44	11	0	34	788
Mullet	0	34	0	0	0	57	302	49	157	40	247	0	886
Sand seatrout	0	0	0	0	0	0	0	0	0	352	0	669	1,021
Sheepshead	0	0	0	0	0	402	269	320	306	657	454	56	2,464
Unclassified - Scrap	0	0	0	0	0	0	277	0	26	0	0	0	303
Whiting	0	0	0	0	0	0	0	0	0	0	28	0	28
Total finfish	0	262	0	1,131	744	1,746	4,567	4,417	1,573	3,496	3,600	759	22,295
SHELLFISH													
Shrimp													
Brown and pink	0	0	0	0	367,870	302,250	191,693	16,085	2,259	1,254	134	0	881,545
White	0	0	0	0	1,212	69,924	796	370,628	304,709	203,607	66,195	0	1,017,071
Total Shrimp	0	0	0	0	369,082	372,174	192,489	386,713	306,968	204,861	66,329	0	1,898,616
Blue crabs	0	36,364	35,405	56,885	24,074	23,307	18,228	53,052	51,351	58,408	19,039	804	376,971
Oysters	345,828	258,750	225,740	233,068	0	0	0	43,128	0	0	754,501	866,318	2,727,333
Stone crabs	0	0	0	0	0	0	0	88	819	104	349	450	1,810
Squid	0	0	0	0	0	0	0	6	0	0	0	0	6
Total shellfish	345,828	295,114	261,145	289,953	393,156	395,481	210,717	482,981	359,144	263,373	840,218	867,572	5,004,682
Grand Total	345,828	295,376	261,145	291,084	393,900	397,227	215,284	487,398	360,717	266,869	843,818	868,331	5,026,977

Table D.15. Ex-vessel value (\$) of each species landed commercially from the Arkansas Bay system during calendar year 1984. Data based on MPPR.

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total
FINFISH													
Black drum	2,813	0	0	0	1,961	272	257	955	0	374	2,299	1,334	10,165
Flounder	23	0	0	26	722	593	861	478	2,266	1,560	25,490	25,909	57,928
Gafftopsail catfish	0	0	0	0	0	0	0	0	8	13	7	0	28
Sheepshead	101	0	0	0	146	73	17	29	53	129	288	396	1,232
Total finfish	2,937	0	0	26	2,829	938	1,135	1,362	2,327	2,076	28,084	27,639	69,353
SHELLFISH													
Shrimp													
Brown and pink	0	0	0	0	474,076	612,543	847,802	197,541	4,805	0	716	6,028	2,143,511
White	0	475	0	0	15,101	21,948	10,227	419,855	564,420	941,923	406,787	26,617	2,407,353
Total Shrimp	0	475	0	0	489,177	634,491	858,029	617,396	569,225	941,923	407,503	32,645	4,550,864
Blue crabs	38	82,993	48,269	70,251	51,059	47,791	73,036	54,283	34,534	67,335	31,881	47,232	608,702
Oysters	96,375	49,420	51,120	33,963	0	0	0	0	0	0	228,180	81,771	540,829
Stone crabs	0	0	0	0	0	0	4,200	0	0	0	0	0	4,200
Total shellfish	96,413	132,888	99,389	104,214	540,236	682,282	935,265	671,679	603,759	1,009,258	667,564	161,648	5,704,595
Grand Total	99,350	132,888	99,389	104,240	543,065	683,220	936,400	673,041	606,086	1,011,334	695,648	189,287	5,773,948

Table D.16. Ex-vessel value (\$) of each species landed commercially from the Corpus Christi Bay system during calendar year 1984. Data based on IMPR.

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total
FINFISH													
Black drum	10,675	7,124	14,836	1,894	569	48	5	238	443	776	1,361	1,884	39,853
Florida pompano	0	0	0	0	0	0	0	0	0	0	0	23	23
Flounder	4,624	1,431	2,049	169	1,146	518	600	140	208	4,439	7,411	8,179	30,914
Gafftopsail catfish	0	0	139	9	0	0	0	0	0	11	20	0	179
Mullet	0	0	0	5	0	0	19	0	0	0	32	114	170
Sheepshead	1,646	616	2,391	646	77	4	0	2	0	89	193	323	5,987
Unclassified - Scrap	0	0	0	0	0	0	0	0	0	6	1	38	45
Total finfish	16,945	9,171	19,415	2,723	1,792	570	624	380	651	5,321	9,018	10,561	77,171
SHELLFISH													
Shrimp													
Brown and pink	0	0	0	0	692,927	978,748	134,774	31,761	17,334	18,562	196	60,724	1,935,026
White	0	0	700	0	20,508	16,348	148,582	317,041	255,870	539,511	581,319	109,918	1,989,797
Total Shrimp	0	0	700	0	713,435	995,096	283,356	348,802	273,204	558,073	581,515	170,642	3,924,823
Blue crabs	235	0	1,440	0	3,816	4,299	0	0	2,188	3,453	5,496	6,152	27,079
Stone crabs	0	0	0	0	0	0	0	0	1,197	0	0	0	1,197
Squid	0	0	0	11	0	0	0	0	0	0	288	209	508
Total shellfish	235	0	2,140	11	717,251	999,395	283,356	348,802	276,589	561,526	587,299	177,003	3,953,607
Grand Total	17,180	9,171	21,555	2,734	719,043	999,965	283,980	349,182	277,240	566,847	596,317	187,564	4,030,778

Table D.17. Ex-vessel value (\$) of each species landed commercially from the upper Laguna Madre system during calendar year 1984. Data based on MPR.

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total
FINFISH													
Black drum	35,164	30,541	19,574	25,488	11,641	92	2,043	19,872	9,348	5,251	19,041	17,618	195,673
Florida pompano	3	0	7	8	0	0	25	29	262	103	0	67	504
Flounder	687	446	557	1,214	55	0	42	295	718	2,687	16,794	4,081	27,576
Gafftopsail catfish	0	49	81	144	0	0	0	0	0	0	0	0	274
Sheepshead	574	418	927	951	137	3	23	167	486	578	2,266	1,176	7,706
Total finfish	36,428	31,454	21,146	27,805	11,833	95	2,133	20,363	10,814	8,619	38,101	22,942	231,733
SHELLFISH													
Blue crabs	0	0	2,548	0	5,134	0	0	0	375	0	0	0	8,056
Total shellfish	0	0	2,548	0	5,134	0	0	0	375	0	0	0	8,056
Grand Total	36,428	31,454	23,693	27,805	16,967	95	2,133	20,363	11,189	8,619	38,101	22,942	239,789

Table D.18. Ex-vessel value (\$) of each species landed commercially from the lower Laguna Madre system during calendar year 1984. Data based on MPR.

Species	Months												Total
	January	February	March	April	May	June	July	August	September	October	November	December	
FINFISH													
Black drum	25,204	13,111	4,362	2,781	1,519	2,281	953	1,611	3,488	11,488	6,977	7,209	80,984
Florida pompano	0	0	0	0	0	0	0	0	0	0	12	0	12
Flounder	459	289	217	197	1,173	674	847	824	534	1,932	2,126	1,042	10,314
Sheepshead	288	223	7	0	2	3	14	7	0	18	33	10	605
Unclassified - Food	0	0	0	0	0	26	0	0	0	0	0	0	26
Total finfish	25,951	13,623	4,586	2,978	2,694	2,984	1,814	2,442	4,022	13,438	9,148	8,261	91,941
SHELLFISH													
Blue crabs	1,029	6,244	9,055	13,305	18,920	5,754	5,077	7,440	8,225	11,575	7,514	8,097	102,235
Oysters	1,470	1,710	1,155	224	150	192	315	180	108	60	0	851	6,415
Total shellfish	2,499	7,954	10,210	13,529	19,070	5,946	5,392	7,620	8,333	11,635	7,514	8,948	108,650
Grand Total	28,450	21,577	14,796	16,507	21,764	8,930	7,206	10,062	12,355	25,073	16,662	17,209	200,591

Appendix E. Monthly commercial finfish and shellfish (except shrimp) landings (lb) and ex-vessel value (\$) from the Gulf of Mexico grid zones for calendar year 1984.

Table E.1. Weight (lb) of each species, except shrimp, landed commercially from Gulf of Mexico grid zone 17.0 during calendar year 1984. Data based on MIFPR.

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	9	24	0	0	33
Black drum	28	51	0	17	194	0	0	0	17	0	0	0	307
Flounder	243	171	180	92	27	0	14	34	82	86	2,143	1,040	4,112
Grouper	0	0	0	0	0	0	0	0	0	0	199	0	199
Sheepshead	22	48	0	40	0	0	0	0	47	14	0	0	171
Snapper unclassified	0	0	0	0	186	0	0	588	0	0	3,827	1,501	6,102
Unclassified - scrap	200	95	0	0	0	0	0	0	0	185	0	0	480
Whiting	180	118	0	85	0	0	11	0	0	35	24	0	453
Total finfish	673	483	180	234	407	0	25	622	155	344	6,193	2,541	11,857
SHELLFISH													
Crabs blue	0	0	0	0	0	0	0	0	0	38	924	0	962
Squid	0	0	0	0	0	0	0	0	0	0	0	200	200
Total Shellfish	0	0	0	0	0	0	0	0	0	38	924	200	1,162
Grand total	673	483	180	234	407	0	25	622	155	382	7,117	2,741	13,019

Table E.2. Weight (lb) of each species, except shrimp, landed commercially from Gulf of Mexico grid zone 18.0 during calendar year 1984. Data based on MMR.

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	1,198	0	1,198
Black drum	76	931	10	31	331	29	0	0	298	466	876	0	3,048
Cobia	0	68	174	0	0	0	1,501	1,867	1,446	0	217	269	5,542
Codfishes	0	0	0	0	0	0	0	0	0	0	144	0	144
Florida pompano	0	0	0	0	355	0	13	0	2,501	0	0	0	2,869
Flounder	5,336	1,205	314	540	881	914	2,508	1,159	3,759	3,128	9,898	3,326	32,968
Gafftopsail catfish	0	0	0	251	806	53	18	535	582	0	512	0	2,757
Greater amberjack	0	0	0	0	0	0	147	0	0	0	0	0	147
Grouper	855	47	906	376	1,610	0	151	310	0	0	814	753	5,822
Mackerel	748	0	0	0	275	1,200	0	0	1,287	3,485	1,865	0	9,350
Mullet	0	0	0	0	0	0	0	0	0	0	0	87	87
Shark unclassified	0	0	0	0	0	0	0	0	0	0	0	0	0
Sheepshead	44	1,527	10	2,537	2,141	0	141	273	137	0	593	0	7,403
Snapper unclassified	6,205	8,245	4,636	2,856	954	517	2,476	3,613	1,662	3,915	7,863	8,147	51,089
Whiting	1,443	357	892	559	0	317	460	1,875	1,184	379	1,592	460	9,518
Total finfish	14,707	12,380	7,432	7,150	7,353	3,030	7,415	9,632	13,146	11,373	25,572	13,042	132,335
SHELLFISH													
Crabs blue	0	94	68	1,440	1,801	4,643	5,033	4,922	3,894	4,483	0	0	26,378
Squid	165	190	163	1,212	5,038	966	527	1,865	941	1,643	530	140	13,380
Total Shellfish	165	284	231	2,652	6,839	5,609	5,560	6,787	4,835	6,126	530	140	39,758
Grand total	14,872	12,664	7,663	9,802	14,192	8,639	12,975	16,419	17,981	17,499	26,102	13,182	172,093

Table E.3. Weight (lb) of each species, except shrimp, landed commercially from Gulf of Mexico grid zone 19.0 during calendar year 1984. Data based on MMR.

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total
FINFISH													
Black drum	425	0	224	23	0	32	0	0	0	0	0	500	1,204
Cobia	65	33	0	0	444	667	2,076	1,589	112	1,168	204	16	6,374
Dolphin	0	0	0	0	0	0	0	51	0	0	0	0	51
Florida pompano	146	0	0	0	0	0	0	0	35	0	29	0	210
Flounder	2,415	446	545	909	1,793	1,230	1,821	2,053	283	4,971	6,381	2,018	24,865
Gafftopsail catfish	0	0	0	0	615	740	25	38	0	269	0	0	1,687
Greater amberjack	0	0	0	0	0	0	1,095	245	288	201	0	501	2,330
Grouper	3,196	1,455	1,366	2,517	554	813	1,344	597	169	479	587	175	13,252
Mackerel	0	0	0	0	0	0	249	511	0	0	0	0	760
Mullet	0	0	0	0	0	0	0	5	0	0	0	415	420
Sand seatrout	0	0	0	0	0	0	0	0	0	0	888	0	888
Shark unclassified	0	0	0	0	0	0	0	233	61	646	57	163	1,160
Sheepshead	0	0	0	74	0	0	0	253	0	0	76	0	403
Snapper unclassified	6291	3,760	2,534	9,365	11,839	6,014	37,869	15,791	8,858	13,179	8,410	10,019	134,083
Tuna bluefin	0	0	0	0	0	0	0	0	0	32,003	1,186	0	33,189
Tuna yellowfin	0	0	0	0	0	0	0	0	0	0	9,042	0	9,042
Tuna unclassified	0	0	0	0	0	0	396	342	5,765	0	0	0	6,503
Unclassified - food	1,434	596	0	1,803	2,042	0	1,521	0	0	0	0	0	7,396
Unclassified - scrap	0	0	2,005	0	0	0	0	0	0	81	0	0	2,086
Whiting	153	0	48	29	29	0	1,618	0	12	659	476	5	3,029
Total finfish	14,125	6,290	6,722	14,720	17,316	9,496	48,014	21,708	15,583	53,656	27,336	13,812	248,932
SHELLFISH													
Squid	1,065	104	0	7	40	0	15	320	0	0	0	0	1,551
Total Shellfish	1,065	104	0	7	40	0	15	320	0	0	0	0	1,551
Grand total	15,190	6,394	6,722	14,727	17,356	9,496	48,029	22,028	15,583	53,656	27,336	13,812	250,483

Table E. 4. Weight (lb) of each species, except shrimp, landed commercially from Gulf of Mexico grid zone 20.0 during calendar year 1984. Data based on MMRP.

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total
FINFISH													
Black drum	0	0	3,523	0	0	0	0	0	0	0	1,080	0	4,603
Cobia	0	0	0	0	264	0	0	0	430	51	0	0	745
Codfishes	0	0	0	0	0	0	0	0	0	52	0	0	52
Florida pompano	0	0	0	0	0	0	0	0	0	0	274	0	274
Flounder	0	0	134	0	0	0	0	0	2,322	0	10,096	1,291	13,843
Gafftopsail catfish	0	0	0	0	0	0	0	0	0	0	108	154	262
Greater amberjack	104	0	0	0	0	0	0	0	447	831	433	0	1,815
Grouper	503	0	371	1,298	1,705	1,077	201	0	403	26	32	64	5,680
Mackerel	0	0	0	0	0	0	0	0	0	58	0	0	58
Shark unclassified	0	0	0	0	0	0	0	0	0	9	24	566	599
Sheepshead	0	0	0	0	0	0	0	0	1,000	0	859	718	2,577
Snapper unclassified	8,018	0	2,209	24,853	10,217	2,933	3,746	0	5,412	7,323	2,719	9,111	76,541
Tuna bluefin	0	0	0	0	0	0	0	0	0	0	83	0	83
Tuna unclassified	0	0	0	0	0	100	92	0	0	0	0	0	192
Whiting	0	0	0	0	0	0	0	0	233	0	0	1,358	1,591
Total finfish	8,625	0	6,237	26,151	12,186	4,110	4,039	0	10,247	8,350	15,708	13,262	108,915
SHELLFISH													
Squid	0	0	0	0	0	0	0	0	0	0	310	0	310
Total Shellfish	0	0	0	0	0	0	0	0	0	0	310	0	310
Grand total	8,625	0	6,237	26,151	12,186	4,110	4,039	0	10,247	8,350	16,018	13,262	109,225

Table E. 5. Weight (lb) of each species, except shrimp, landed commercially from Gulf of Mexico grid zone 21.0 during calendar year 1984. Data based on MMRP.

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total
FINFISH													
Black drum	3,937	14,653	95	1,136	0	0	0	0	0	0	932	964	21,717
Cobia	0	0	0	0	0	0	0	0	0	41	0	0	41
Florida pompano	0	612	0	0	0	0	0	0	0	0	5	0	617
Flounder	0	437	161	0	0	131	172	340	414	473	652	460	3,240
Gafftopsail catfish	0	55	0	0	0	0	0	0	0	0	60	0	115
Greater amberjack	96	38	180	0	406	1,022	1,180	1,948	859	1,646	774	1,220	9,369
Grouper	988	1,095	337	522	781	1,273	1,352	490	121	759	35	377	8,130
Shark unclassified	0	0	0	0	0	0	878	914	649	1,451	539	3,526	7,957
Sheepshead	92	0	0	0	0	0	0	0	0	0	0	535	627
Snapper unclassified	7,991	13,521	12,552	3,131	11,088	27,481	30,227	24,408	11,193	19,798	9,656	13,628	184,674
Tuna yellowfin	0	0	0	0	0	0	0	0	0	88	125	0	213
Unclassified - food	3,664	7,657	1,765	2,713	4,404	1,551	0	0	0	0	0	0	21,754
Whiting	0	0	0	0	0	0	0	0	0	0	0	398	398
Total finfish	16,768	38,068	15,090	7,502	16,679	31,458	33,809	28,100	13,236	24,256	12,778	21,108	258,852
SHELLFISH													
Squid	188	353	0	212	330	0	0	76	72	78	0	296	1,605
Total Shellfish	188	353	0	212	330	0	0	76	72	78	0	296	1,605
Grand total	16,956	38,421	15,090	7,714	17,009	31,458	33,809	28,176	13,308	24,334	12,778	21,404	260,457

Table E. 6. Ex-vessel (\$) value of each species, except shrimp, landed commercially from Gulf of Mexico grid zone 17.0 during calendar year 1984. 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	2	6	0	0	8
Black drum	6	13	0	3	68	0	0	0	4	0	0	0	8
Flounder	143	100	135	58	16	0	10	24	60	64	1,822	884	3,316
Grouper	0	0	0	0	0	0	0	0	0	0	328	0	328
Sheepshead	4	10	0	8	0	0	0	0	12	4	0	0	38
Snapper unclassified	0	0	0	0	363	0	0	1,088	0	0	6,774	2,826	11,051
Unclassified - scrap	30	14	0	0	0	0	0	0	0	28	0	0	72
Whiting	35	24	0	17	0	0	2	0	0	9	4	0	91
Total finfish	218	161	135	86	447	0	12	1,112	78	111	8,928	3,710	14,998
SHELLFISH													
Crabs blue	0	0	0	0	0	0	0	0	0	10	323	0	333
Squid	0	0	0	0	0	0	0	0	0	0	0	140	140
Total Shellfish	0	0	0	0	0	0	0	0	0	10	323	140	473
Grand total	218	161	135	86	447	0	12	1,112	78	121	9,251	3,850	15,471

Table E.7. Ex-vessel (\$) value of each species, except shrimp, landed commercially from Gulf of Mexico grid zone 18.0 during calendar year 1984. 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	0	539	0	539
Black drum	30	335	2	8	149	13	0	0	89	140	334	0	1,100
Cobia	0	34	87	0	0	0	1,054	1,055	827	0	166	161	3,384
Codfishes	0	0	0	0	0	0	0	0	0	0	101	0	101
Florida pompano	0	0	0	0	89	0	18	0	3,982	0	0	0	4,089
Flounder	3,030	875	224	477	817	868	2,289	929	2,475	2,344	5,759	1,983	22,020
Gafftopsail catfish	0	0	0	97	363	40	8	161	175	0	139	0	983
Greater amberjack	0	0	0	0	0	0	66	0	0	0	0	0	66
Grouper	456	24	498	263	1,127	0	106	165	0	0	870	772	4,281
Mackerel	0	0	0	0	0	0	0	0	73	0	0	0	73
Mullet	112	0	123	0	41	180	0	0	154	349	224	0	1,183
Shark unclassified	0	0	0	0	0	0	0	0	0	0	0	26	26
Sheepshead	9	364	3	756	218	0	35	27	21	0	267	0	1,700
Snapper unclassified	10,012	12,538	7,903	5,193	1,748	796	4,335	6,205	2,719	5,069	14,224	15,398	86,140
Whiting	361	82	223	136	0	63	115	376	314	167	528	115	2,480
Total finfish	14,010	14,252	9,063	6,930	4,552	1,960	8,026	8,918	10,829	8,069	23,151	18,405	128,184
SHELLFISH													
Crabs blue	0	38	25	360	450	1,161	1,258	1,231	974	1,121	0	0	6,618
Squid	83	86	82	667	1,511	483	264	538	199	692	105	63	4,773
Total Shellfish	83	124	107	1,027	1,961	1,644	1,522	1,769	1,173	1,813	0	63	11,391
Grand total	14,093	14,376	9,170	7,957	6,513	3,604	9,548	10,687	12,002	9,882	23,256	18,468	139,575

Table E.8. Ex-vessel (\$) value of each species, except shrimp, landed commercially from Gulf of Mexico grid zone 19.0 during calendar year 1984. Data based on MMR.

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total
FINFISH													
Black drum	149	0	95	5	0	14	0	0	0	0	0	400	663
Cobia	29	18	0	0	422	634	1,443	1,395	95	673	116	10	4,835
Dolphin	0	0	0	0	0	0	0	48	0	0	0	0	48
Florida pompano	102	0	0	0	0	0	0	0	20	0	42	0	164
Flounder	1,247	241	257	522	973	676	864	1,970	331	3,064	5,397	18,193	17,435
Gafftopsail catfish	0	0	0	0	400	396	5	19	0	94	0	0	914
Greater amberjack	0	0	0	0	0	0	986	208	230	211	0	403	2,038
Grouper	3,680	889	1,149	2,139	574	428	1,633	454	124	227	504	149	11,950
Mackerel	0	0	0	0	0	0	249	485	0	0	0	0	734
Mullet	0	0	0	0	0	0	0	1	0	0	0	187	188
Sand seatrout	0	0	0	0	0	0	0	0	0	0	622	0	622
Shark unclassified	0	0	0	0	0	0	0	70	31	312	29	74	516
Sheepshead	0	0	0	15	0	0	0	51	0	0	30	0	96
Snapper unclassified	8,639	6,170	4,122	18,056	22,611	9,792	72,493	27,543	17,501	22,251	14,749	17,953	242,157
Tuna bluefin	0	0	0	0	0	0	0	0	0	8,093	297	0	8,390
Tuna yellowfin	0	0	0	0	0	0	0	0	0	0	1,808	0	1,808
Tuna unclassified	0	0	0	0	0	0	297	359	1,154	0	0	0	1,810
Unclassified - food	2,814	512	0	1,334	408	0	228	0	0	0	0	0	5,296
Unclassified - scrap	0	0	120	0	0	0	0	0	0	12	0	0	132
Whiting	23	0	5	6	6	0	324	0	9	66	48	1	488
Total finfish	16,683	7,830	5,748	22,077	25,394	11,940	78,522	32,603	19,495	35,003	23,642	21,007	300,284
SHELLFISH													
Squid	311	42	0	3	16	0	6	136	0	0	0	0	514
Total Shellfish	311	42	0	3	16	0	6	136	0	0	0	0	514
Grand total	16,994	7,872	5,748	22,080	25,410	11,940	78,528	32,739	19,495	35,003	23,642	21,070	300,798

Table E.9. Ex-vessel (\$) value of each species, except shrimp, landed commercially from Gulf of Mexico grid zone 20.0 during calendar year 1984. Data based on MMPR.

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total
FINFISH													
Black drum	0	0	881	0	0	0	0	0	0	0	486	0	1,367
Cobia	0	0	0	0	185	0	0	0	267	48	0	0	500
Codfishes	0	0	0	0	0	0	0	0	0	44	0	0	44
Florida pompano	0	0	0	0	0	0	0	0	0	0	500	0	500
Flounder	0	0	74	0	0	0	0	0	1,597	0	8,134	646	10,451
Gafftopsail catfish	0	0	0	0	0	0	0	0	0	0	38	31	69
Greater amberjack	73	0	0	0	0	0	0	0	420	698	405	0	1,596
Grouper	352	0	278	909	1,520	1,401	141	0	273	18	22	45	4,959
Mackerel	0	0	0	0	0	0	0	0	0	41	0	0	41
Shark unclassified	0	0	0	0	0	0	0	0	0	5	12	340	357
Sheepshead	0	0	0	0	0	0	0	0	200	0	172	144	516
Snapper unclassified	15,234	0	4,595	51,927	19,961	5,857	7,305	0	8,107	12,950	4,277	13,283	143,496
Tuna bluefin	0	0	0	0	0	0	0	0	0	0	29	0	29
Tuna unclassified	0	0	0	0	0	40	37	0	0	0	0	0	77
Whiting	0	0	0	0	0	0	0	0	35	0	0	233	268
Total finfish	15,659	0	5,828	52,836	21,666	7,298	7,483	0	10,899	13,804	14,075	14,722	164,270
SHELLFISH													
Squid	0	0	0	0	0	0	0	0	0	0	155	0	155
Total Shellfish	0	0	0	0	0	0	0	0	0	0	155	0	155
Grand total	15,659	0	5,828	52,836	21,666	7,298	7,483	0	10,899	13,804	14,230	14,722	164,425

Table E.10. Ex-vessel (\$) value of each species, except shrimp, landed commercially from Gulf of Mexico grid zone 21.0 during calendar year 1984. Data based on MIPR.

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total
FINFISH													
Black drum	1,158	4,098	62	284	0	0	0	0	0	0	317	193	6,112
Cobia	0	0	0	0	0	0	0	0	0	29	0	0	29
Florida pompano	0	887	0	0	0	0	0	0	0	0	7	0	894
Flounder	0	213	121	0	0	142	95	352	322	396	531	249	2,421
Gafftopsail catfish	0	29	0	0	0	0	0	0	0	0	6	0	35
Greater amberjack	67	27	126	0	284	715	826	1,364	601	1,235	542	854	6,641
Grouper	603	763	271	396	576	912	1,076	364	85	590	33	270	5,939
Shark unclassified	0	0	0	0	0	0	267	211	145	290	124	602	1,639
Sheepshead	23	0	0	0	0	0	0	0	0	0	0	80	103
Snapper unclassified	14,817	24,169	22,799	5,706	20,484	49,279	53,712	44,557	20,151	37,210	17,831	25,275	335,990
Tuna yellowfin	0	0	0	0	0	0	0	0	0	13	88	0	101
Unclassified - food	916	2,297	357	844	1,329	465	0	0	0	0	0	0	6,208
Whiting	0	0	0	0	0	0	0	0	0	0	0	39	39
Total finfish	17,584	32,483	23,736	7,230	22,673	51,513	55,976	46,848	21,304	39,763	19,479	27,562	366,151
SHELLFISH													
Squid	75	159	0	42	66	0	0	15	14	12	0	59	442
Total Shellfish	75	159	0	42	66	0	0	15	14	12	0	59	442
Grand total	17,659	32,642	23,736	7,272	22,739	51,513	55,976	46,863	21,318	39,775	19,479	27,621	366,593

Appendix F. Monthly commercial shrimp landings (lb) and ex-vessel value (\$) from the Gulf of Mexico and total commercial shrimp weight (lb) and ex-vessel value (\$) of shrimp harvested from Louisiana waters and landed at Texas ports during calendar year 1984.

Table F.1. Weight (lb) of each shrimp species (heads-on) landed commercially from the Gulf of Mexico during calendar year 1984. Data based on NMFS.

Month	Brown and Pink	White	Other	Total
Jan	859,605	477,625	61,827	1,399,057
Feb	764,797	374,108	0	1,138,905
Mar	540,560	583,315	0	1,123,875
Apr	809,388	298,233	0	1,107,621
May	1,751,985	324,209	241	2,076,435
Jun	3,355,025	663,458	312	4,018,795
Jul	15,550,046	754,235	0	16,304,281
Aug	10,948,465	1,406,816	0	12,355,281
Sep	5,048,212	2,590,805	4,386	7,643,403
Oct	4,337,352	3,778,191	50,695	8,166,238
Nov	3,000,405	4,628,298	19,106	7,647,809
Dec	3,366,881	1,558,487	95,807	5,021,175
Total	50,333,721	17,437,780	232,374	68,002,875

NOTES: 1) Gulf of Mexico shrimp landings at Texas ports as reported to TPWD by the Division of Statistics-Market News, NMFS may include harvest of shrimp from other states and countries as well as those of Texas. In their publication Gulf Coast Shrimp Data, NMFS reports shrimp harvests from shrimp fishing grid zones, including those off of Texas; 2) Shrimp landings as furnished to TPWD are considered preliminary.

Table F.2. Ex-vessel value (\$) of each shrimp species (heads-on) landed commercially from the Gulf of Mexico during calendar year 1984. Data based on NMFS.

Month	Brown and Pink	White	Other	Total
Jan	2,877,236	1,232,206	153,331	4,262,773
Feb	2,610,908	680,070	0	3,290,978
Mar	2,011,226	1,021,176	0	3,032,402
Apr	2,745,851	761,324	0	3,507,175
May	5,367,607	1,117,671	222	6,485,500
Jun	7,541,206	2,550,285	187	10,091,678
Ju1	28,382,229	3,015,041	0	31,397,270
Aug	24,060,360	2,728,653	0	26,789,013
Sep	12,123,260	4,975,894	1,158	17,100,312
Oct	12,474,226	8,369,669	14,702	20,858,597
Nov	7,908,304	10,086,449	4,656	17,999,409
Dec	7,658,071	3,742,973	23,952	12,424,996
Total	116,760,484	40,281,411	198,208	157,240,103

NOTES: 1) Gulf of Mexico shrimp landings at Texas ports as reported to TPWD by the Division of Statistics-Market News, NMFS may include harvest of shrimp from other states and countries as well as those of Texas. In their publication Gulf Coast Shrimp Data, NMFS reports shrimp harvests from shrimp fishing grid zones, including those off of Texas; 2) Shrimp landings as furnished to TPWD are considered preliminary.

Table F.3. Weight (lb) of each shrimp species (heads-on) harvested commercially from Louisiana waters and landed at Texas ports during calendar year 1984. Data based on NMFS. These Louisiana harvested shrimp are included in Appendix F, Table 1.

Month	Brown and Pink	White	Other	Total
Jan	0	0	0	0
Feb	0	0	0	0
Mar	0	0	0	0
Apr	0	0	0	0
May	0	4,674	0	4,674
Jun	0	0	0	0
Ju1	0	0	0	0
Aug	0	0	0	0
Sep	0	0	0	0
Oct	0	0	0	0
Nov	0	0	0	0
Dec	0	0	0	0
Total	-	4,674	0	0

NOTES: 1) Gulf of Mexico shrimp landings at Texas ports as reported to TPWD by the Division of Statistics-Market News, NMFS may include harvest of shrimp from other states and countries as well as those of Texas. In their publication Gulf Coast Shrimp Data, NMFS reports shrimp harvests from shrimp fishing grid zones, including those off of Texas; 2) Shrimp landings as furnished to TPWD are considered preliminary.

Table F.4. Ex-vessel value (\$) of each shrimp species (heads-on) harvested commercially from Louisiana waters and landed at Texas ports during calendar year 1984. Data based on NMFS. These Louisiana harvested shrimp are included in Appendix F, Table 2.

Month	Brown and Pink	White	Other	Total
Jan	0	0	0	0
Feb	0	0	0	0
Mar	0	0	0	0
Apr	0	0	0	0
May	0	14,044	0	14,044
Jun	0	0	0	0
Jul	0	0	0	0
Aug	0	0	0	0
Sept	0	0	0	0
Oct	0	0	0	0
Nov	0	0	0	0
Dec.	0	0	0	0
Total	0	14,044	0	0

NOTES: 1) Gulf of Mexico shrimp landings at Texas ports as reported to TPWD by the Division of Statistics-Market News, NMFS may include harvest of shrimp from other states and countries as well as those of Texas. In their publication Gulf Coast Shrimp Data, NMFS reports shrimp harvests from shrimp fishing grid zones, including those off of Texas; 2) Shrimp landings as furnished to TPWD are considered preliminary.

Appendix G. Weight (lb) and ex-vessel value (\$) of commercial landings of oyster meat from private oyster reef leases in Texas bays during calendar years 1977-1984.

Table G.1. Total weight (lb x 1000) and ex-vessel value (\$ x 1000) of commercial landings of oyster meat from private oyster leases in Texas bays for calendar years 1977-1984. 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	1,306.0
1978	35	1,946.9	508.6	597.8
1979	44	2,368.1	40.9	62.9
1980	44	2,368.1	600.0	948.0
1981	45	2,446.8	504.0	801.0
1982	44	2,425.1	704.1	873.1
1983	48	2,505.5	783.6	1,432.8
1984	48	2,486.1	538.0	914.6

Appendix H. Number of commercial licenses sold in Texas in each fiscal year (September-August) from 1956 through 1984.

Table H.1. Number of commercial dealer licenses sold in Texas in each fiscal year from 1956 through 1984. (The sale of a license occurs when money is received in Austin).

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

^a 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.

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

Table H.3. Number of commercial saltwater fishing gear licenses sold in Texas in each fiscal year from 1956 through 1984. (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

Table H.4. Number of commercial saltwater boat and vessel licenses sold in Texas in each fiscal year from 1956 through 1984. (The sale of a license occurs when money is received in Austin).

Fiscal year	Saltwater Commercial 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

Table H.2. Number of commercial saltwater fishermen licenses sold in Texas in each fiscal year from 1956 through 1984. (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	362	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	

^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.

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