

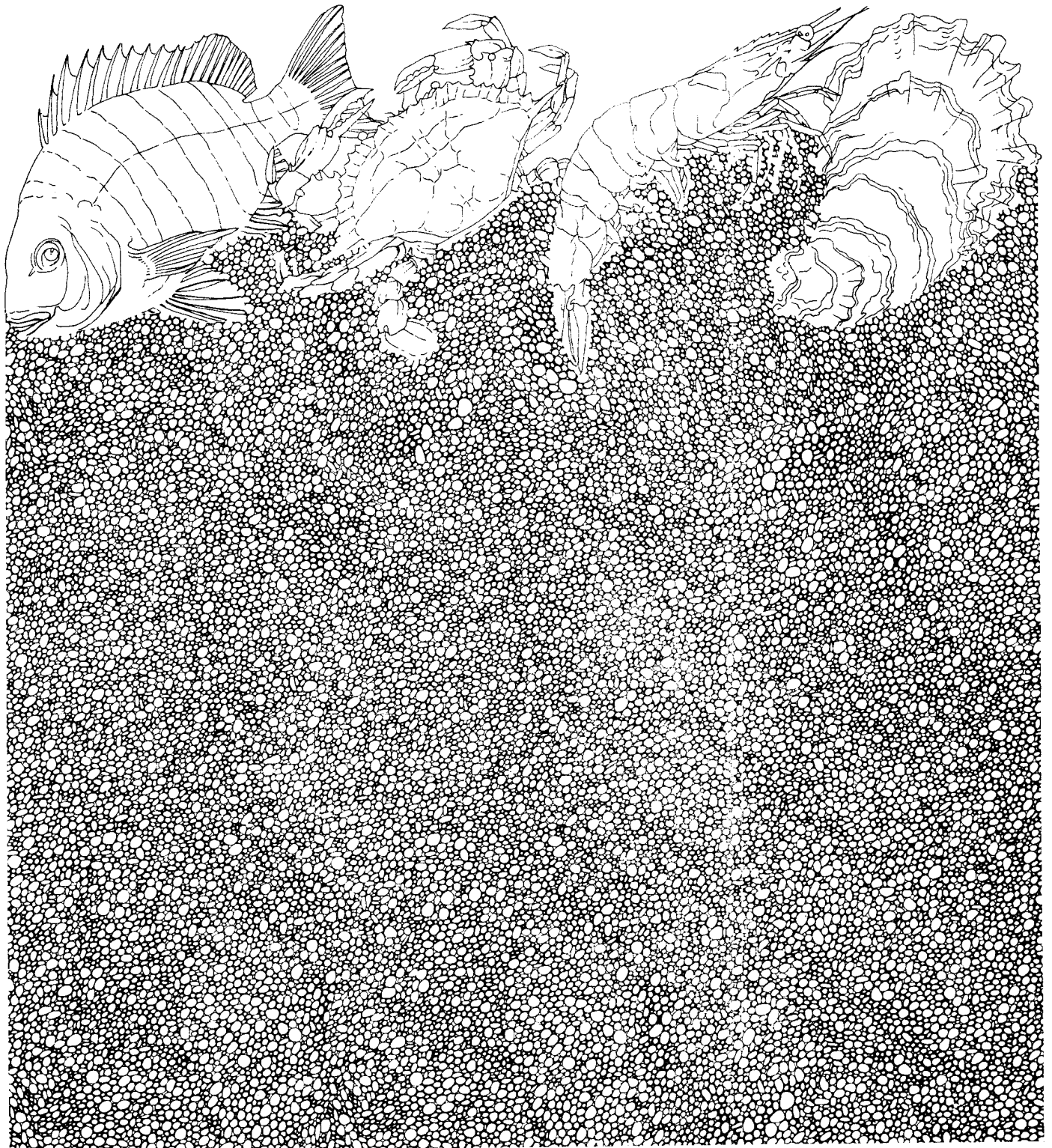
P. Hammerschmidt

TEXAS COMMERCIAL HARVEST STATISTICS 1977-1982

by C.L. Hamilton

Management Data Series Number 54
1983

Texas Parks & Wildlife Department
Coastal Fisheries Branch



TEXAS COMMERCIAL HARVEST STATISTICS,
1977-1982

by

C. L. HAMILTON

MANAGEMENT DATA SERIES
NO. 54

1983

Texas Parks and Wildlife Department
Coastal Fisheries Branch
4200 Smith School Road
Austin, Texas 78744

ABSTRACT

The Texas Parks and Wildlife Department in cooperation with the National Marine Fisheries Service conducts a continuing program to collect data on commercially harvested finfishes and shellfishes from Texas bays and from the Gulf of Mexico off Texas.

Shrimp continued to be the most important commercial seafood product in Texas. They comprised 82.8% of the pounds and 94.6% of the value of total landings, while oysters, blue crabs and finfish accounted for 2.8%, 1.2% and 1.1% of the value, respectively, and 17.2% of the total pounds landed in 1982. Total reported landings in 1982 amounted to 85,542,900 lb with an ex-vessel value of \$185,771,200. This is the second lowest poundage recorded since 1977, but the highest value. The previous high value in 1981 was exceeded by over \$14 million.

From 1977 to 1982 the mean price/lb paid the commercial fisherman increased for all species except for the "other" shrimp price which decreased \$0.69/lb. Finfish prices increased by \$0.15/lb to \$0.97/lb. Shellfish prices increased by \$0.04/lb to \$1.07/lb.

INTRODUCTION

Commercial landings of marine species from Texas bays and Gulf of Mexico off Texas (Figure 1) have been collected from fish 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 self-reporting system known as the Monthly Marine Products Report (MMPR) (Figure 2) which is completed by wholesale fish dealers. Since 1956 the National Marine Fisheries Service (NMFS) has collected landings data on shrimp through dealer reports and 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 November 1981 by the Texas Parks and Wildlife Commission.

This report presents the landings and economic value of self-reported transactions from fish dealers and the NMFS from 1977 through 1982.

MATERIALS AND METHODS

Wholesale fish dealers were required to complete a MMPR listing the total weight and price paid for each species purchased from fishermen each month. MMPR's were due to the TPWD on or before the 10th day of each month and detailed the proceeding month's transactions. The Division of Statistics-Market News, National Marine Fisheries Service collected shrimp (Penaeus sp.) landings data. Shrimp landings reported on MMPR's were provided to NMFS and landings of shrimp and finfish gathered by NMFS were provided to the TPWD. The scientific names of each species reported and its' appropriate grouping by common name is listed in Table 1.

Each MMPR was checked by TPWD personnel for completeness. Products, except oysters, which were not reported in live weight by dealers were converted to live weight (whole weight) using conversion factors listed in Appendix A, Tables 1-4. Oyster landings reported by barrels and gallons, were converted to meat weights.

Landings of oysters were reported from owners of private oyster leases through the 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 represent MMPR data only and are comprised of landings from both private leases and public reefs.

To reduce non-reporting of seafood landings, TPWD personnel contacted seafood truckers, retail and wholesale outlets and others who buy directly from fishermen to urge them to submit MMPRs. In addition, during September 1980, TPWD sent letters to all licensed seafood dealers stating ISTs were no longer required but that completion of MMPRs was still required.

The Gulf of Mexico shrimp landings at Texas ports are as reported to TPWD by the Division of Statistics-Market News, NMFS, may include the harvest of shrimp from waters of other states and countries as well as those of Texas. The NMFS reports shrimp harvests 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, 1980, 1981 and 1982, 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

Total landings of finfish and shellfish were generally lower than those reported from 1977 through 1981, however, the total value for 1982 was the highest on record for the second consecutive year (Tables 2 and 3). Over 85.5 million pounds of seafood valued at more than \$185.7 million were commercially harvested and landed in Texas in 1982. Shrimp constituted 82.8% of the pounds (Table 2) and 94.6% of the value (Table 3) of all species landed in 1982. Oysters, blue crabs, and finfish comprised 2.8%, 1.2% and 1.1% of the total economic value, respectively, and combined constituted 17.2% of the total pounds landed in 1982.

Brown shrimp (Penaeus aztecus), pink shrimp (P. duorarum) and white shrimp (P. setiferus) constituted 83-90% of all shellfish landings in all years (Table 2). From 1977 to 1982 brown shrimp and pink shrimp landings have fluctuated between 50,459,300 lb and 71,897,500 lb, while white shrimp landings have ranged from 14,235,300 lb and 21,464,700 lb. The value of brown shrimp and pink shrimp generally increased from \$100,815,900 in 1977 to over \$130,000,000 in 1981 and 1982 (Table 3). The value of white shrimp has ranged from \$24,627,200 in 1977 to \$43,724,900 in 1982. The 1982 oyster landings of 3,633,100 lb valued at \$5,313,700 were the highest recorded during the 1977-82 period. Blue crab landings and values have remained relatively stable with fluctuations between 6,952,000 lb and 8,953,000 lb valued at between \$1,928,500 and \$2,455,800.

From 1977 to 1981 red drum (Sciaenops ocellatus), spotted seatrout (Cynoscion nebulosus) and black drum (Pogonias cromis) constituted 71-73% of all finfish landings. The 67th Legislature prohibited the sale of red drum and spotted seatrout effective 1 September 1981. During calendar year 1982 black drum, flounder (Paralichthys sp.) and snapper (Lutjanidae) constituted 72% of all finfish landings. From 1981 to 1982 landings of black drum increased 585,200 lb (88%), and increased \$404,400 (107%) in value; flounder increased 405,400 lb (311%) and increased \$383,100 (277%) in value; and snapper increased 203,700 lb (123%) and increased \$401,400 (150%) in value (Tables 2 and 3).

In each year from 1977 to 1982, penaeid shrimp were the primary species landed from the bays and Gulf. In the bays they constituted 48-61% of the weight and 62-76% of the value during each year; in the Gulf, shrimp constituted approximately 99% of both the weight and value during each year (Tables 4-7). Almost 80% of the pounds of shrimp landed valued at more than \$157 million in 1982 were caught in the Gulf of Mexico, whereas, 20% of the pounds of shrimp landed valued at more than \$18.5 million were reported caught in Texas bays. Almost 87% of the brown shrimp valued at \$216 million were caught in Gulf of Mexico in 1982, whereas, 59.3% of the white shrimp valued at \$31 million were caught in the Gulf of Mexico in 1982. Almost 77% of the total landings of finfishes were caught in Texas bays and valued at \$1.3 million, whereas, 23% were caught in the Gulf of Mexico.

The mean price/lb paid to commercial fishermen increased for all species from 1977 to 1982 except for "other" shrimp which decreased from \$1.11 to \$0.42/lb in 1982 (Table 8). Of the finfish species, the price paid for snapper was the highest and increased \$0.87/lb followed by black drum and flounder with a \$0.35 and \$0.42/lb increase, respectively. Sheepshead (Archosargus probatocephalus) increased \$0.15/lb. The price paid for brown shrimp and pink shrimp increased from \$1.07 and the price paid for white shrimp increased \$0.95/lb. The price paid for blue crab and oyster meat increased \$0.04 and \$0.28/lb, respectively.

Weight (lb) and ex-vessel value (\$) of commercial landings in Texas bays and territorial waters of the Gulf or Mexico during calendar years 1977-1982 are presented in Appendices B and C.

Monthly summaries of bay and Texas territorial waters of the Gulf of Mexico landings and value during calendar year 1982 are presented in Appendices D, E, and F.

Annual landings of oyster meats from private oyster leases in Texas bays during calendar years 1977-1982 are presented in Appendix G.

The number of commercial licenses sold in Texas in each fiscal year from 1956 through 1982 are contained in Appendix H.

DISCUSSION

Commercial fishing continues to be an important industry in Texas. Approximately 90 million pounds of landed seafood worth more than \$150 million in ex-vessel value alone are reported annually. Using an expansion factor of 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 most valuable single species in the commercial fishery of Texas. 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 inshore fishery relies primarily on white shrimp followed by blue crab, oyster 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. The reliability of this assumption is, at best, questionable. A change in the reporting requirements 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.

LITERATURE CITED

- Chin, Edward. 1960. The bait shrimp fishery of Galveston Bay, Texas. Trans. Amer. Fish. Soc., 89(2):135-141.
- Christmas, J. Y., and D. J. Etzold, eds. 1977. The shrimp fishery of the Gulf of Mexico, United States: a regional management plan. Gulf Coast Res. Lab., Tech. Rept. Ser., No. 2. 128 pp.
- Game, Fish and Oyster Commission. 1937. Annual Report, Fiscal Year 1937-37. 80 pp.
- Grubb, H. W. 1973. The structure of the Texas economy. Vol. I. Office of the Governor, Austin, Texas. 202 pp.
- Harrington, Richard A., Gary C. Matlock, and James E. Weaver. 1979. Standard-total length, total length-whole weight and dressed-whole weight relationships on related species from Texas bays. Tex. Pks. & Wildlf. Dept., Tech. Ser. No. 26. 6 pp.
- Hofstetter, R. P. 1977. Trends in population levels of the American oyster (Crassostrea virginica, Gmelin) on public reefs in Galveston Bay, Texas. Tex. Pks. & Wildlf. Dept., Tec. Ser. No. 24. 90 pp.
- Leary, S. P. 1967. The crabs of Texas. Tex. Pks. & Wildlf. Dept., Bull. No. 43. 57 pp.
- National Marine Fisheries Service 1980. Fishery statistics of the United States, 1976. U. S. Natl. Mar. Fish. Serv. Stat. Div. No. 70. 419 pp.
- Perrett, W. S., J. E. Weaver, R. O. Williams, P. L. Johansen, T. D. McIlwain, R. D. Raulerson, and W. M. Tatum. 1980. Fishery profiles of red drum and spotted seatrout. Gulf States Mar. Fish. Comm. Rept. No. 6. 60 pp.
- Prytherch, H. F. 1980. A directory of fishery data collection activities conducted by the Statistical Surveys Division in the southeast region of the United States. U. S. Dept. of Comm., Natl. Oceanic & Atmosp. Admin., Natl. Mar. Fish. Serv., Southeast Fish. Cntr. 91 pp.
- Rathjen, W. F. 1973. Northwest Atlantic squids. Mar. Fish. Rev. 35(12):20-26.
- Robins, R. C., R. M. Bailey, C. E. Bond, J. R. Brocker, E. A. Lockner, R. N. Lea, and W. B. Scott. 1980. A list of common and scientific names of fishes from the United States and Canada, 4th ed. Amer. Fish. Soc. Spec. Publ. 12. Bethesda, Md. 174 pp.

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

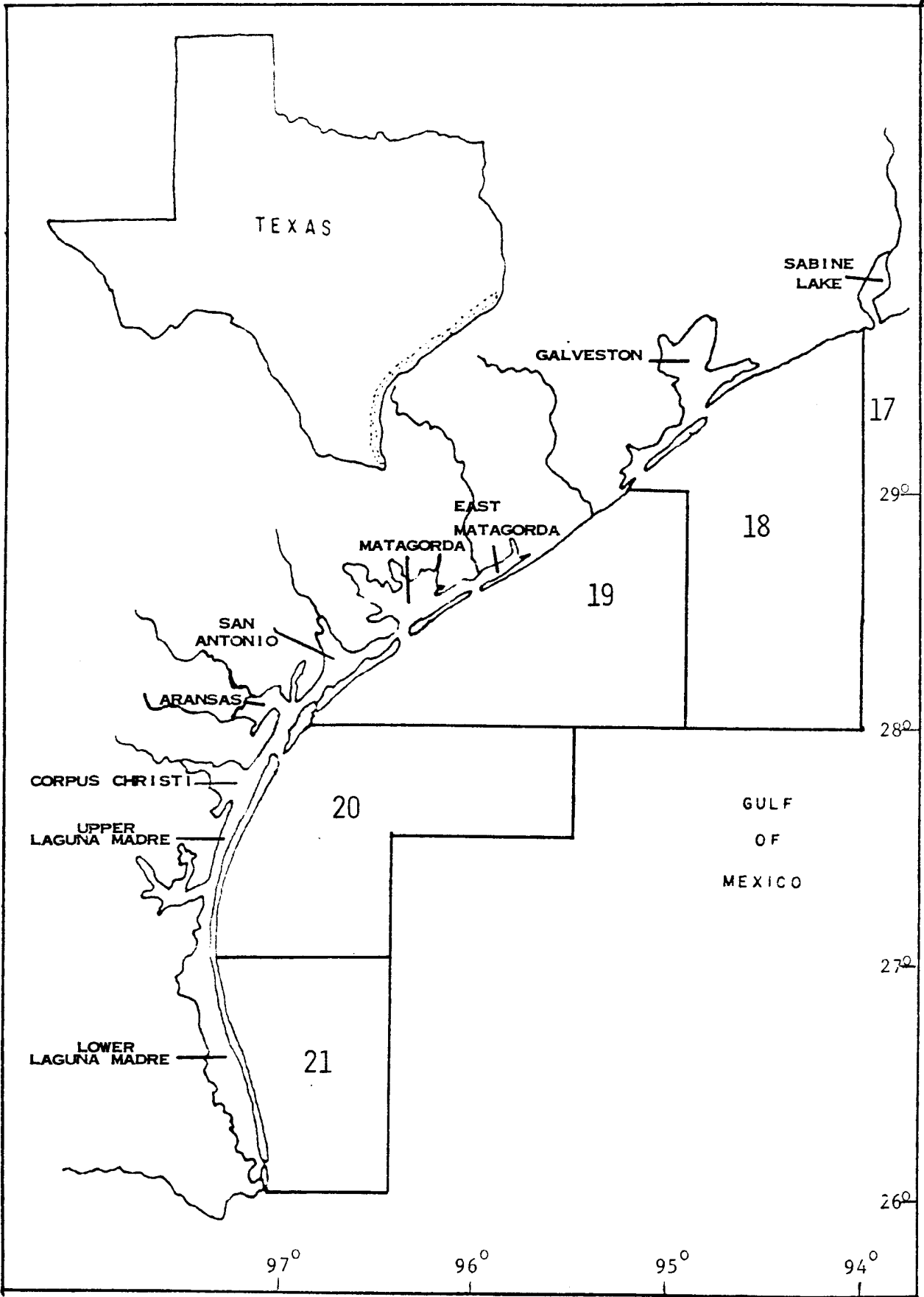


Figure 2. Example of Monthly Marine Products Report (MMPR) form.

Figure 3. Example of 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 - **-9001**
 FORM NO.

FISHERMAN'S NAME

BUSINESS NAME

COMMERCIAL LICENSE NO.

RED DRUM LICENSE NO.

BAY OR GULF WHERE FISH WERE TAKEN:

CIRCLE ONLY ONE AREA CODE - SEE MAP ON FOLDER

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

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

SPECIES	CODE	POUNDS	PRICE PER LB.		FOR DEALER USE	
			\$	CENTS		
RED DRUM	01					
BLACK DRUM	02					
SPOTTED SEATROUT	03					
SAND SEATROUT	04					
FLOUNDER	05					
SHEEPSHEAD	06					
ATLANTIC CROAKER	07					
GAFFTOP CATFISH	08					
WHITING	09					
POMPANO	10					
MULLET	11					
RED SNAPPER	12					
GROUPER (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 landings forms 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 ON 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. Example of Oyster Location Lease Report.

OYSTER LOCATION LEASE REPORT

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

Leaseholder: _____

Lease Number: _____ Date Filed: _____

Acreage: _____ Annual Rental: _____

Article 4041, Revised Civil Statutes of Texas:

"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 two dollars and twenty-five cents 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 @ \$2.25 per acre)	\$ _____
Oyster Sales (_____ barrels @ 10¢ per barrel)	\$ _____
Total Remittance	\$ _____

 Signature

 Date

FAILURE TO PAY RENTAL ON THIS LEASE BY MARCH 1, 1982 SHALL ANNUL AND BE A FORFEITURE OF THE LEASE ACCORDING TO LAW.

Table 1. List of common and scientific names of species sold by commercial fishermen to 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>
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 albiquitta</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
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>
Menhaden	
Gulf menhaden	<u>Brevoortia patronus</u>
Finescale menhaden	<u>Brevoortia gunteri</u>

^aScientific names provided by Robins et. al. (1970), Christmas and Etzold (1977), Leary (1967) and Rathjen (1973).

Table 2. Texas commercial finfish and shellfish landings (lb x 1000) for calendar years 1977-1982. Data based on MRF.

Year	Finfish										Shellfish						
	Red drum	Spotted seatrout	Black drum	Flounder	Sheepshead	Snapper	Other finfish	Shrimp			Blue crabs	Total	Mussel	Oyster	Total	Grand total	
								Brown shrimp	White shrimp	Other							
1977	950.8	1,346.8	1,453.5	310.9	293.9	440.0	498.2	5,284.1	71,897.5	19,420.2	240.3	91,578.0	8,248.6	2,400.5	13.8	102,440.9	107,735.0
1978	841.1	1,162.0	1,785.5	237.1	377.9	388.3	424.6	5,186.5	62,328.7	21,484.7	332.3	84,126.7	7,469.6	1,907.0	15.5	93,518.8	98,705.3
1979	690.1	1,030.3	1,531.4	232.4	408.1	214.7	443.3	4,348.3	50,435.3	16,474.2	719.2	67,632.7	8,311.5	888.8	0.9	76,653.9	81,402.2
1980	1,114.4	978.1	1,058.4	194.9	473.5	231.6	300.2	4,351.1	58,332.0	14,235.3	1,330.2	73,897.5	8,953.0	1,738.5	0	84,389.0	86,940.1
1981	613.3	645.8	643.8	130.5	202.8	185.9	254.4	2,676.5	78,494.0	16,160.5	1,073.7	95,730.2	6,952.0	1,389.4	0	104,071.6	106,748.1
1982	0	0	1,149.0	535.9	322.4	349.6	524.0	3,000.9	51,386.4	18,288.1	1,211.1	70,885.6	8,009.9	3,633.1	13.4	82,542.0	85,542.9

NOTE: Shrimp landings are furnished to TPWD by MRF, Division of Statistics-Market News, Galveston, Texas, and are preliminary.

Table 3. Texas commercial finfish and shellfish ex-vessel value (\$ x 1000) for calendar years 1977-1981. Data based on MRF.

Year	Finfish										Shellfish						
	Red drum	Spotted seatrout	Black drum	Flounder	Sheepshead	Snapper	Other finfish	Shrimp			Blue crabs	Total	Mussel	Oyster	Total	Grand total	
								Brown shrimp	White shrimp	Other							
1977	511.5	723.2	399.8	170.8	28.8	420.9	84.2	2,339.2	100,815.9	24,627.2	235.2	125,678.3	1,946.7	2,991.7	4.2	130,670.9	132,940.1
1978	592.7	749.2	407.5	173.2	39.2	403.5	85.8	2,671.1	101,798.7	38,837.6	344.6	140,980.9	2,003.8	2,205.6	4.4	145,194.7	147,845.8
1979	574.3	882.8	402.3	190.1	55.8	261.6	81.5	2,648.4	117,237.3	34,487.5	381.0	152,305.8	2,146.1	1,048.7	0.2	155,500.8	158,149.2
1980	1,024.8	941.2	539.8	133.7	64.5	351.3	58.5	3,155.8	113,972.9	25,637.8	433.2	140,043.9	2,455.8	2,692.3	0	145,192.0	148,347.8
1981	695.4	737.9	378.1	138.3	42.0	247.8	54.1	2,313.6	133,226.9	31,774.9	317.9	165,319.7	1,928.5	2,130.7	0	169,398.9	171,712.5
1982	0	0	782.5	521.4	79.7	449.2	136.8	2,189.6	131,658.5	43,774.9	904.4	175,887.8	2,375.1	5,313.7	5.0	181,581.6	185,771.2

NOTE: Shrimp landings are furnished to TPWD by MRF, Division of Statistics-Market News, Galveston, Texas, and are preliminary.

Table 4. Weight (lb x 1000) of each species landed commercially from Tampa bay system for calendar years 1977-1982. Data based on WFT.

Year	Flounder										Shallfish										Grand total		
	Red drum	Spotted seatrout	Black drum	Sand seatrout	Flounder	Atlantic croaker	Goffenaill catfish	Sheepshead	Whiting	Maillet	Florida pompano	Unclassified Food Scrap	Total	Brown & pink	White	Other	Total	Blue crabs	Oysters	Squid		Total	
1977	895.8	1,185.6	1,470.7	6.5	210.4	30.0	61.0	260.0	6.6	7.8	0.4	44.1	119.2	4302.1	4711.1	9391.4	1.6	14,104.1	8237.4	2800.5	5.3	24,947.3	29,249.4
1978	953.5	1,110.6	1,760.9	6.4	192.6	19.8	50.4	317.0	4.8	6.1	0.5	80.1	51.6	4482.2	5089.4	8293.2	0	13,381.6	7467.8	1907.0	4.2	22,760.6	27,222.8
1979	676.9	896.3	1,504.7	9.8	206.8	16.4	38.7	383.5	7.9	82.5	2.1	84.0	44.9	3935.5	7194.3	8027.7	0	15,222.0	8311.0	888.8	0.3	24,442.1	26,377.6
1980	1,106.4	918.3	1,047.2	3.5	149.8	13.6	42.3	446.4	6.2	87.3	0.4	31.0	40.0	3922.4	8031.4	6413.2	4.7	14,849.0	8949.3	1736.5	0	35,537.1	29,459.5
1981	604.3	617.2	649.5	16.2	101.9	2.2	6.9	193.7	2.7	45.2	0.2	19.3	9.7	2309.0	7156.3	6096.0	0	13,252.3	6945.6	1389.4	0	21,587.3	21,618.2
1982	0	0	1,224.5	3.4	439.4	60.1	15.7	303.6	47.9	137.7	0.2	23.2	45.1	2301.1	6837.4	7435.9	0.5	14,273.8	8007.2	3633.1	10.1	25,924.2	28,225.3

Table 5. Ex-vessel value (\$) x 1000) of each species landed commercially from Tampa bay system for calendar years 1977-1982. Data based on WFT.

Year	Flounder										Shallfish										Grand total		
	Red drum	Spotted seatrout	Black drum	Sand seatrout	Flounder	Atlantic croaker	Goffenaill catfish	Sheepshead	Whiting	Maillet	Florida pompano	Unclassified Food Scrap	Total	Brown & pink	White	Other	Total	Blue crabs	Oysters	Squid		Total	
1977	483.9	644.9	383.1	3.6	121.7	3.3	10.9	22.7	1.6	1.6	0.2	8.9	17.5	1,733.9	2,923.7	8,270.3	0.3	11,094.3	1,944.5	2,991.7	1.8	16,032.3	17,754.2
1978	388.3	739.8	600.7	3.9	149.1	2.2	12.2	37.6	0.8	0.9	0.5	13.5	6.2	2,137.7	1,917.9	10,493.1	0	12,610.9	2,003.4	2,205.6	1.2	16,811.3	18,978.0
1979	341.2	750.4	593.5	6.6	172.6	2.7	8.5	72.0	1.8	7.7	1.0	26.0	4.0	2,201.9	6,095.0	11,111.8	0	17,208.8	2,146.3	1,048.7	0.1	20,401.6	22,603.3
1980	1,016.5	911.1	536.7	1.4	122.6	1.8	10.3	65.1	1.1	6.3	0	10.1	5.5	2,489.1	6,930.8	10,067.5	1.4	18,999.7	2,453.0	2,482.3	0	22,047.0	24,736.1
1981	483.8	699.9	373.6	2.5	117.7	0.5	1.6	40.3	0.7	3.8	0.3	5.2	1.3	1,933.2	4,137.5	7,233.7	0	11,391.2	1,926.8	2,150.7	0	15,448.7	17,401.9
1982	0	0	773.5	1.2	439.0	30.6	4.2	74.7	10.6	14.5	0.4	7.5	5.0	1,261.2	3,421.2	12,926.0	0.2	14,543.4	2,374.3	5,313.7	4.0	20,237.4	27,576.6

Table 6. Weight (lb x 1000) of each species landed commercially from the Gulf of Mexico during calendar years 1977-1982. Data based on NEFR.

Year	Finfish													Shellfish					Grand total								
	Red drum	Spotted drum	Black drum	Sand snoutfish	Flounder	Atlantic croaker	Gulfopseid cichlid	Sheepshead	Whiting	Halibut	Florida pompano	Unidentified food fish	Cobia	Craper	Sugger	Muhlen	Micharel	Total		Brown & pink shrimp	White shrimp	Other	Blue crabs				
1977	51.0	111.8	62.8	0	100.5	2.8	10.4	37.6	26.8	0.9	0.5	72.5	43.0	20.0	21.7	420.5	0.1	0.2	992.1	67,186.4	10,028.8	238.7	77,473.9	11.2	8.5	77,493.6	78,485.7
1978	7.6	43.5	33.2	0	38.8	5.4	27.1	10.9	19.8	28.3	0.5	44.5	36.1	13.7	39.9	428.5	0	0	777.8	57,240.3	13,171.5	332.3	70,441.1	1.8	12.3	70,465.2	71,233.0
1979	13.1	131.0	26.7	0	29.6	6.1	0.4	22.6	8.8	28.8	1.5	31.0	62.6	7.7	14.3	211.5	0	0	592.8	43,285.0	8,446.5	719.2	52,430.7	0.5	0.6	52,431.8	53,074.6
1980	8.1	49.7	11.2	0	45.1	2.7	0.4	7.1	13.3	4.4	0.8	20.1	8.8	2.2	23.1	231.6	0	0	428.0	50,300.6	7,422.1	1,325.5	59,048.2	3.8	0	59,052.0	59,480.0
1981	9.0	28.6	14.3	0	28.7	2.4	2.6	9.2	13.5	10.4	0.2	34.4	4.7	13.7	29.8	165.9	0	0	387.4	71,337.7	10,064.5	1,075.7	82,478.0	6.4	0	82,485.3	82,851.7
1982	0	0	24.5	0	96.5	0.4	1.4	18.8	25.2	3.2	3.6	67.1	0.7	24.1	64.8	369.6	0	0	699.9	46,548.9	10,892.3	1,210.6	58,651.8	2.7	3.4	58,657.9	57,317.8

Table 7. Ex-vessel value (\$) x 1000) of each species landed commercially from the Gulf of Mexico during calendar years 1977-1982. Data based on NEFR.

Year	Finfish													Shellfish					Grand total								
	Red drum	Spotted drum	Black drum	Sand snoutfish	Flounder	Atlantic croaker	Gulfopseid cichlid	Sheepshead	Whiting	Halibut	Florida pompano	Unidentified food fish	Cobia	Craper	Sugger	Muhlen	Micharel	Total		Brown & pink shrimp	White shrimp	Other	Blue crabs				
1977	27.6	63.0	12.0	0	49.2	0.6	4.3	5.5	4.2	0.5	0.3	12.8	4.9	4.7	5.1	420.6	0	0	615.3	97,992.2	16,356.9	234.9	114,584.0	2.2	2.4	114,588.6	115,203.9
1978	4.6	29.4	6.8	0	24.0	1.5	12.7	1.6	2.7	2.3	0.6	5.8	3.7	6.6	9.8	403.5	0	0	513.4	99,800.9	28,144.5	344.6	128,370.0	0.2	3.2	128,373.4	128,866.8
1979	10.2	112.4	8.8	0	16.5	0.6	0.1	3.8	1.2	2.4	2.3	9.4	7.5	2.8	6.7	261.6	0	0	446.5	111,142.3	23,575.7	361.0	135,069.0	0.1	0.1	135,069.2	135,545.7
1980	8.3	50.4	3.0	0	31.2	0.2	0.1	1.4	2.3	0.7	1.1	5.2	0.7	1.1	9.7	351.3	0	0	446.7	107,142.1	15,570.3	631.8	123,344.2	0.8	0	123,345.0	123,611.7
1981	11.6	38.0	4.6	0	20.6	0.5	2.1	1.7	2.8	1.3	0.3	7.2	0.3	7.3	14.2	287.8	0	0	380.3	129,049.4	24,541.3	817.9	153,928.6	1.7	0	153,930.3	154,010.6
1982	0	0	9.0	0	82.4	0.1	0.5	6.9	5.1	0.5	3.2	17.6	0.1	13.1	42.7	689.2	0	0	848.4	126,037.3	30,800.9	504.1	157,342.3	0.8	1.0	157,344.1	158,192.5

Table 8. Price (¢/lb) paid commercial fishermen for finfish and shellfish during calendar years 1977-1982. Data based on MFR.

Year	Red drum		Spotted seatrout		Black drum		Flounder		Sheepshead		Snapper		Other finfish		Brown and pink shrimp		White shrimp		Other crustaceans					
	Range	Mean	Range	Mean	Range	Mean	Range	Mean	Range	Mean	Range	Mean	Range	Mean	Range	Mean	Range	Mean	Range	Mean				
1977	0.50-1.15	0.54	0.40-1.15	0.54	0.24-0.65	0.28	0.22-1.10	0.55	0.05-0.35	0.10	0.45-1.30	0.84	0.10-0.35	0.20	0.85-3.10	1.44	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	0.50-1.35	0.69	0.45-1.20	0.65	0.30-0.65	0.34	0.40-1.30	0.73	0.05-0.35	0.12	0.85-1.65	1.04	0.05-0.45	0.20	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	0.45-1.10	0.83	0.45-1.10	0.86	0.25-0.50	0.39	0.35-1.40	0.82	0.05-0.30	0.14	0.60-1.65	1.22	0.05-0.45	0.19	0.45-3.25	2.32	0.45-3.15	2.11	0.25-0.95	0.33	0.14-0.35	0.24	0.91-1.63	1.18
1980	0.50-1.20	0.92	0.50-1.25	0.98	0.35-0.70	0.51	0.24-1.25	0.79	0.05-0.25	0.16	0.65-1.95	1.32	0.05-0.45	0.19	0.40-3.15	1.95	0.45-2.95	1.80	0.39-0.90	0.33	0.16-0.30	0.27	1.01-1.64	1.55
1981	0.95-1.45	1.13	0.90-1.45	1.14	0.45-0.80	0.57	0.40-1.25	1.06	0.05-0.40	0.21	0.85-2.45	1.61	0.05-0.45	0.21	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	0	0	0	0.45-0.85	0.63	0.50-1.35	0.97	0.10-0.50	0.25	0.60-2.15	1.81	0.05-0.85	0.33	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

Appendix A. Conversion factors for finfish and shellfish.

Table 1. Factors for converting dressed 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	Resource Statistics Division (1980)
Flounder	0.93	Harrington et al. (1979)
Whiting	0.85	Resource Statistics Division (1980)
Croaker	0.85	Resource Statistics Division (1980)
Sheepshead	0.85	Harrington et al. (1979)
Pompano	0.85	Resource Statistics Division (1980)
Snapper	0.85	Resource Statistics Division (1980)

Table 2. Factors for converting headed or collared weights of fish to live weights (Resource Statistics Division 1980).

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

Table 3. Factors for converting blue crabs and oysters measured to live weights (Resource Statistics Division 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

Table 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

Appendix B. Weight (lb) and ex-vessel value (\$) of commercial landings in Texas bays during calendar years 1977-1982.

Table 1. Weight (lb) of each species landed commercially from Sabine Lake during calendar years 1977-1982. Data based on MPR.

Year	Finfish										Shellfish					Grand Total					
	Red drum seatrout	Spotted seatrout	Black drum	Sand seatrout	Flounder	Atlantic croaker	Gafftopsail catfish	Sheepshead	Whiting	Mullet	Florida pompano	Unclassified Food Scrap	Total	Brown & pink	White		Other	Total	Oysters	Squid	Total
1977	725	209	980	0	687	0	39	139	37	0	0	0	2,816	2,336	4,212	0	6,568	226,100	0	0	232,668
1978	0	0	0	0	330	0	0	59	114	0	0	0	503	0	2,763	0	2,763	624,171	0	0	626,934
1979	274	0	556	0	51	9	9	764	60	56	0	284	2,027	0	0	0	0	163,301	0	0	165,328
1980	1,618	158	48	0	78	124	0	627	240	60	0	30	3,033	1,099	49,900	4,668	55,667	70,089	0	0	122,756
1981	437	0	219	24	119	0	0	76	238	12	0	45	1,400	12,830	43,248	0	56,078	72,624	0	0	128,702
1982	0	0	0	0	0	0	0	0	0	0	0	0	0	0	170,835	488	171,323	113,443	0	0	884,766

Table 2. Weight (lb) of each species landed commercially from the Galveston Bay system during calendar years 1977-1982. Data based on MPR.

Year	Finfish										Shellfish					Grand Total					
	Red drum seatrout	Spotted seatrout	Black drum	Sand seatrout	Flounder	Atlantic croaker	Gafftopsail catfish	Sheepshead	Whiting	Mullet	Florida pompano	Unclassified Food Scrap	Total	Brown & pink	White		Other	Total	Oysters	Squid	Total
1977	24,168	136,856	102,175	1,211	14,382	5,989	20,875	21,117	6,530	3,843	0	81,824	658,283	2,250,576	2,988,766	1,600	5,246,942	1,859,418	1,917,532	3,335	9,027,227
1978	14,857	344,185	161,887	3,438	55,173	8,937	32,354	55,504	4,647	1,946	19	75,265	807,694	2,066,133	3,618,523	0	5,684,636	1,920,886	1,076,797	3,528	8,685,867
1979	18,692	122,094	73,101	1,016	46,869	9,604	23,900	72,192	7,828	4,627	1	36,569	502,535	1,315,025	1,963,232	0	3,278,277	1,953,742	43,097	162	5,275,278
1980	18,114	90,640	55,999	2,116	31,477	5,204	34,621	65,844	5,824	2,251	0	29,028	375,414	2,317,775	3,439,745	0	5,757,520	1,749,057	1,004,208	0	8,510,785
1981	6,042	77,825	51,830	119	20,610	640	3,670	51,376	2,287	3,985	0	16,865	244,423	1,991,873	2,655,307	0	4,667,180	609,682	951,654	0	6,208,516
1982	0	0	72,524	2,696	197,762	99,168	13,477	125,942	47,889	118,907	37	19,897	703,379	1,646,158	3,459,392	0	5,105,550	1,216,137	3,253,765	9,942	9,585,394

Table 3. Weight (lb) of each species landed commercially from the Matagorda Bay system during calendar years 1977-1982. Data based on MPR.

Year	Finfish										Shellfish					Grand Total					
	Red drum seatrout	Spotted seatrout	Black drum	Sand seatrout	Flounder	Atlantic croaker	Gafftopsail catfish	Sheepshead	Whiting	Mullet	Florida pompano	Unclassified Food Scrap	Total	Brown & pink	White		Other	Total	Oysters	Squid	Total
1977	26,521	42,020	17,489	0	19,184	400	1,536	5,290	0	1,196	0	1,047	116,723	1,008,551	2,621,280	0	3,629,831	211,227	168,605	1,937	4,011,600
1978	18,353	21,538	16,403	0	19,322	0	3,265	2,257	0	564	0	79	81,881	767,620	2,526,703	0	3,294,323	313,509	145,791	668	3,754,291
1979	16,235	17,540	10,150	197	6,593	0	867	2,997	0	270	0	0	54,849	2,546,059	2,832,037	0	5,378,096	680,808	120,937	14	6,179,855
1980	19,414	24,087	11,365	21	3,077	0	0	2,540	0	0	24	131	60,658	2,059,240	1,538,837	0	3,598,077	390,743	333,179	0	4,321,999
1981	10,729	8,677	6,047	0	553	3	41	287	1	18,379	0	10	44,782	1,521,424	1,746,315	0	3,267,739	368,089	88,649	0	3,724,487
1982	0	0	1,541	3	8,510	0	13	661	3	1,335	0	67	12,133	1,757,008	2,113,852	0	3,870,890	689,000	270,376	74	4,830,310

Table 4. Weight (lb) of each species landed commercially from the East Matagorda Bay system during calendar years 1977-1982. Data based on WFR.

Year	Finfish										Shrimp			Shellfish			Grand Total		
	Red drum	Spotted seatrout	Black drum	Sand seatrout	Atlantic croaker	Gafftopsail catfish	Sheepshead	Whiting	Mullet	Florida pompano	Unclassified Food Crop		Brown & Pink		Blue Crabs			Oysters	Squid
											Florida Pompano	Other	Total	White	Other	Total			
1977	17,384	23,627	9,139	3,497	30	0	2,938	0	0	0	16,025	70,820	0	0	309,699	1,317	0	311,016	381,836
1978	14,462	20,543	9,353	3,103	0	0	1,944	0	0	0	49,668	0	0	287,668	578	0	288,246	317,914	
1979	8,014	13,146	7,331	339	791	0	209	1,202	0	0	31,222	0	0	196,073	26,040	0	222,113	253,335	
1980	8,240	29,898	4,248	0	390	0	487	0	1	0	43,264	0	0	468,932	2,722	0	471,674	518,938	
1981	2,499	7,666	1,387	63	269	9	28	30	0	0	11,977	0	0	83,497	27,504	0	111,001	122,978	
1982	0	0	1,975	34	11,758	0	1,474	1,540	0	0	1,352	0	0	630,133	0	0	630,133	648,286	

Table 5. Weight (lb) of each species landed commercially from the San Antonio Bay system during calendar years 1977-1982. Data based on WFR.

Year	Finfish										Shrimp			Shellfish			Grand Total				
	Red drum	Spotted seatrout	Black drum	Sand seatrout	Atlantic croaker	Gafftopsail catfish	Sheepshead	Whiting	Mullet	Florida pompano	Unclassified Food Crop		Brown & Pink		Blue Crabs			Oysters	Squid		
											Florida Pompano	Other	Total	White	Other	Total					
1977	64,305	66,888	39,869	19	15,012	0	6,829	6,323	0	186	0	202,007	231,098	1,428,055	0	1,659,144	2,181,587	438,391	50	4,279,172	4,461,179
1978	65,777	22,689	31,040	0	11,837	0	237	11,544	0	374	0	142,760	685,755	630,176	0	1,335,931	1,925,483	540,780	0	3,802,194	3,945,934
1979	43,348	20,546	8,679	0	5,083	0	243	5,903	0	0	680	84,202	738,899	952,150	0	1,661,049	2,681,111	600,745	0	4,972,905	5,057,407
1980	102,797	40,450	17,636	0	10,073	0	49	4,831	0	0	89	175,945	1,173,386	359,288	0	1,732,676	3,011,967	341,303	0	5,105,944	5,281,889
1981	46,748	20,273	9,887	0	11,426	0	28	2,939	0	30,381	0	121,682	736,031	587,894	0	1,353,925	3,211,057	142,441	0	4,677,623	4,799,305
1982	0	0	352	0	9,226	0	0	388	0	0	0	9,966	809,248	450,250	0	1,259,798	2,310,435	53,925	0	3,624,158	3,634,124

Table 6. Weight (lb) of each species landed commercially from the Aransas Bay system during calendar years 1977-1982. Data based on WFR.

Year	Finfish										Shrimp			Shellfish			Grand Total						
	Red drum	Spotted seatrout	Black drum	Sand seatrout	Atlantic croaker	Gafftopsail catfish	Sheepshead	Whiting	Mullet	Florida pompano	Unclassified Food Crop		Brown & Pink		Blue Crabs			Oysters	Squid				
											Florida Pompano	Other	Total	White	Other	Total							
1977	158,484	233,071	203,441	5,246	68,100	3,135	16,391	37,993	0	2,048	36	740	23,643	742,328	473,934	1,781,140	0	2,353,094	2,244,368	63,373	0	4,565,235	5,307,563
1978	121,539	120,403	81,482	2,111	41,200	3,680	4,445	33,778	4	1,870	9	235	10	410,786	659,810	993,356	0	1,443,146	2,051,177	119,994	0	3,824,337	4,235,123
1979	74,734	106,047	24,064	329	42,414	257	3,528	21,264	0	1,031	236	34	181	274,159	1,427,626	1,227,415	0	2,655,041	2,458,264	96,013	0	5,187,318	5,461,477
1980	169,223	79,447	36,919	93	59,005	18	1,752	11,954	0	14,951	21	337	223	373,643	1,010,885	824,448	0	1,835,533	2,716,054	31,388	0	4,573,177	4,846,920
1981	28,417	40,892	19,538	74	44,607	3	361	26,824	0	3,197	0	53	0	164,046	1,744,516	726,493	0	2,471,109	1,738,402	62,369	0	4,271,800	4,433,946
1982	0	0	36,491	0	119,832	238	542	59,483	0	8,891	8	0	0	235,479	1,916,457	844,437	0	2,757,914	2,150,379	51,509	125	4,959,927	5,185,400

Table 7. Weight (lb) of each species landed commercially from the Corpus Christi Bay system during calendar years 1977-1981. Data based on MERS.

Year	Finfish										Shellfish					Grand total						
	Red drum	Spotted seatrout	Black drum	Sand seatrout	Flounder	Atlantic croaker	Gulf snook	Sheepshead	Whiting	Mullet	Florida pompano	Shrimp			Blue crab		Total					
												Brown & pink	White	Other								
1977	66,716	82,301	199,048	0	49,128	3,206	13,149	116,483	57	73	37	0	535,378	738,572	567,956	0	1,306,528	102,750	0	1,409,278	1,944,656	
1978	81,387	166,127	400,845	879	44,879	1,900	4,998	126,860	0	0	291	889	931,465	910,075	521,480	0	1,431,755	9,307	0	1,441,062	2,727,227	
1979	62,398	132,158	383,315	2,012	68,728	3,480	9,946	201,484	6	34,680	173	41,894	960,451	1,166,697	1,032,891	0	2,219,588	50,498	0	2,270,087	3,230,653	
1980	103,661	192,315	198,429	727	26,813	5,029	8,530	251,287	136	69,790	101	0	4,719	861,636	1,469,014	400,763	0	1,869,777	17,448	0	1,887,225	2,749,061
1981	56,921	110,986	58,074	15,936	5,948	75	2,560	51,927	179	23,592	0	128	69	336,395	1,149,481	336,542	0	1,486,223	7,723	0	1,493,946	1,870,341
1982	0	0	58,282	702	36,632	829	133	43,576	0	8,568	1	0	0	148,721	706,245	400,062	0	1,108,307	141,558	0	1,249,865	1,798,586

Table 8. Weight (lb) of each species landed commercially from the upper Laguna Madre system during calendar years 1977-1982. Data based on MERS.

Year	Finfish										Shellfish					Grand total						
	Red drum	Spotted seatrout	Black drum	Sand seatrout	Flounder	Atlantic croaker	Gulf snook	Sheepshead	Whiting	Mullet	Florida pompano	Shrimp			Blue crab		Total					
												Brown & pink	White	Other								
1977	145,249	175,318	519,296	0	5,205	104	23	41,237	0	495	180	32	0	887,439	0	0	0	126,611	0	0	126,611	1,014,230
1978	79,963	123,032	338,383	0	4,166	233	2	24,681	0	2,337	131	0	0	792,868	0	0	0	159,517	0	0	159,517	952,485
1979	81,311	138,614	262,558	1,310	3,362	635	65	31,619	0	958	0	0	0	820,452	0	0	0	26,911	0	0	26,911	847,363
1980	243,167	202,999	512,266	237	8,559	2,079	409	46,722	0	92	0	0	0	1,018,650	0	0	0	6,488	0	0	6,488	1,025,138
1981	124,559	137,748	343,717	65	5,031	931	93	35,306	4	2	15	0	0	651,471	0	0	0	0	0	0	0	651,471
1982	0	0	778,749	135	21,481	16	0	60,695	0	0	161	0	0	861,637	0	0	0	8,913	0	0	8,913	870,550

Table 9. Weight (lb) of each species landed commercially from the lower Laguna Madre system during calendar years 1977-1982. Data based on MERS.

Year	Finfish										Shellfish					Grand total						
	Red drum	Spotted seatrout	Black drum	Sand seatrout	Flounder	Atlantic croaker	Gulf snook	Sheepshead	Whiting	Mullet	Florida pompano	Shrimp			Blue crab		Total					
												Brown & pink	White	Other								
1977	294,112	484,696	378,258	0	35,255	17,121	167	27,603	0	0	116	836	22,071	1,360,315	0	0	0	973,244	9,046	0	982,310	2,344,535
1978	455,182	299,160	492,760	0	12,532	5,004	4,928	60,371	0	824	90	3,555	2,322	1,338,748	0	0	0	196,070	3,071	64	199,205	1,535,953
1979	371,724	329,379	434,749	4,610	32,867	2,356	190	45,826	0	713	2,731	170	1,225,315	0	0	0	122,279	1,963	0	124,242	1,349,557	
1980	444,619	268,130	210,016	295	11,334	1,194	0	81,148	0	269	200	1,333	381	1,019,919	0	0	0	518,362	13,494	0	531,856	1,551,775
1981	320,202	202,987	157,654	0	10,655	536	3	24,770	3	5,700	183	1,451	346	724,880	0	0	0	815,087	0	0	815,087	1,539,967
1982	0	0	274,961	0	33,829	91	0	11,273	0	0	13	1,869	0	321,014	0	0	0	747,100	3,752	0	750,752	1,072,366

Table 10. Ex-vessel value (\$) of each species landed commercially from Sabine Lake during calendar years 1977-1982. Data based on MFR.

Year	Finfish										Shellfish												
	Red drum	Spotted seatrout	Black drum	Sand seatrout	Flounder	Atlantic croaker	Gulf coast snook	Sheepshead	Whiting	Mullet	Florida pompano	Unidentified Food	Scup	Total	Brown shrimp	White shrimp	Other	Total	Oysters	Squid	Total	Grand total	
1977	430	125	281	0	424	0	8	34	7	0	0	0	1,309	1,092	2,229	0	3,427	57,906	0	0	61,333	62,842	
1978	0	0	0	0	166	0	0	12	23	0	0	0	201	0	4,228	0	4,528	163,790	0	0	167,816	168,019	
1979	172	0	199	0	23	2	2	159	13	13	0	0	54	649	0	0	0	49,330	0	0	49,330	49,979	
1980	1,238	136	24	0	43	55	0	166	69	28	0	20	8	1,787	1,113	37,519	1,354	39,986	24,064	0	0	64,050	65,817
1981	348	0	81	16	56	0	0	15	51	6	0	35	5	613	8,600	38,279	0	46,879	29,374	0	0	76,453	77,064
1982	0	0	0	0	0	0	0	0	0	0	0	0	0	0	197,418	220	197,638	43,907	0	0	216,545	241,545	

Table 11. Ex-vessel value (\$) of each species landed commercially from the Galveston Bay system during calendar years 1977-1982. Data based on MFR.

Year	Finfish										Shellfish												
	Red drum	Spotted seatrout	Black drum	Sand seatrout	Flounder	Atlantic croaker	Gulf coast snook	Sheepshead	Whiting	Mullet	Florida pompano	Unidentified Food	Scup	Total	Brown shrimp	White shrimp	Other	Total	Oysters	Squid	Total	Grand total	
1977	12,340	71,609	28,002	412	6,001	1,326	3,924	4,872	1,239	1,039	0	8,038	11,038	131,840	1,934,420	2,966,048	370	4,900,808	452,332	2,299,615	1,107	7,653,862	7,805,722
1978	10,319	199,939	48,796	2,105	63,424	1,075	6,676	10,514	791	238	7	14,780	5,792	344,456	778,360	4,977,027	0	5,735,287	331,289	1,223,871	987	7,500,434	7,844,890
1979	15,285	100,716	23,318	289	41,204	1,394	5,353	10,809	1,779	4,948	0	8,345	3,079	217,517	1,144,900	2,448,695	0	3,793,595	481,825	64,788	37	4,342,245	4,559,782
1980	13,546	95,287	30,080	1,084	28,679	997	8,770	15,128	1,003	674	0	9,499	5,039	209,406	2,078,228	4,831,461	0	6,907,689	493,068	1,403,311	0	9,044,268	9,253,874
1981	6,990	91,961	30,788	42	23,711	171	771	14,056	659	234	0	4,696	1,223	175,302	1,018,256	3,107,981	0	4,126,237	187,155	1,510,186	0	5,823,578	5,998,880
1982	0	0	27,294	685	199,896	10,090	2,870	27,011	10,397	12,409	72	5,863	5,038	302,025	1,442,451	5,829,451	0	7,272,302	401,467	4,781,383	3,898	12,459,055	12,761,000

Table 12. Ex-vessel value (\$) of each species landed commercially from the Intracoastal Bay system during calendar years 1977-1982. Data based on MFR.

Year	Finfish										Shellfish												
	Red drum	Spotted seatrout	Black drum	Sand seatrout	Flounder	Atlantic croaker	Gulf coast snook	Sheepshead	Whiting	Mullet	Florida pompano	Unidentified Food	Scup	Total	Brown shrimp	White shrimp	Other	Total	Oysters	Squid	Total	Grand total	
1977	15,326	23,911	4,774	0	12,470	120	303	1,240	0	344	0	210	306	59,006	353,186	2,488,890	0	2,841,064	52,248	188,226	637	3,083,193	3,142,199
1978	12,411	14,481	5,160	0	13,987	0	795	643	0	139	0	12	0	47,628	301,006	3,269,862	0	3,570,848	81,445	182,319	247	3,834,899	3,882,527
1979	13,671	14,155	4,021	80	5,928	0	326	579	0	34	0	0	0	38,794	2,190,100	3,920,487	0	6,110,587	180,569	146,205	5	6,437,364	6,476,168
1980	18,791	22,311	5,403	5	3,213	0	0	542	0	35	33	0	30,733	1,483,153	2,622,348	0	4,285,701	105,058	495,533	0	4,886,292	4,937,825	
1981	10,924	6,992	3,318	0	683	2	21	54	1	939	0	7	6	24,947	955,078	2,333,291	0	3,186,323	95,838	130,348	0	3,413,455	3,440,482
1982	0	0	1,214	2	9,439	0	0	432	1	282	0	44	0	11,442	1,471,573	4,017,186	0	5,486,679	289,954	369,290	0	6,086,243	6,095,483

Table 13. Ex-vessel value (\$) of each species landed commercially from the East Matagorda Bay system during calendar years 1977-1982. Data based on 1982.

Year	Finfish										Shellfish													
	Red drum	Spotted seatrout	Black drum	Seed seatrout	Flounder	Atlantic croaker	Goffeassal croaker	Sheepshead	Whiting	Mullet	Florida pompano	Unclassified Food Scrap			Brown & pink shrimp		White shrimp		Oysters	Squid	Total	Grand total		
												Unclassified Food	Unclassified Scrap	Total	Other	Total	Other	Total						
1977	10,007	14,157	2,556	0	2,112	9	0	1,403	0	0	0	0	0	0	30,953	0	0	0	0	75,882	1,224	0	77,106	108,059
1978	9,105	13,426	2,759	1	2,276	0	0	550	0	0	0	0	0	28,113	0	0	0	0	66,482	792	0	67,274	95,389	
1979	6,869	11,032	2,655	132	614	0	94	487	0	0	0	0	0	21,883	0	0	0	0	48,079	38,020	0	86,099	107,982	
1980	7,753	27,792	1,770	0	392	0	206	0	0	0	0	0	0	37,913	0	0	0	0	123,063	3,861	0	126,924	164,837	
1981	2,734	7,643	906	21	242	7	21	35	5	0	0	0	0	11,714	0	0	0	0	23,378	43,804	0	67,182	79,096	
1982	0	0	1,454	22	10,813	0	1,105	1,088	0	0	0	1,351	0	15,835	0	0	0	0	189,497	0	0	189,497	205,532	

Table 14. Ex-vessel value (\$) of each species landed commercially from the San Antonio Bay system during calendar years 1977-1982. Data based on 1982.

Year	Finfish										Shellfish												
	Red drum	Spotted seatrout	Black drum	Seed seatrout	Flounder	Atlantic croaker	Goffeassal croaker	Sheepshead	Whiting	Mullet	Florida pompano	Unclassified Food Scrap			Brown & pink shrimp		White shrimp		Oysters	Squid	Total	Grand total	
												Unclassified Food	Unclassified Scrap	Total	Other	Total	Other	Total					
1977	34,878	37,062	9,831	2	8,965	0	1,234	737	0	38	0	69	0	92,454	74,219	975,449	0	1,049,688	504,154	428,621	0	1,984,471	2,077,127
1978	47,652	15,396	9,021	0	9,311	0	43	1,295	0	83	0	3	0	83,124	221,690	613,291	0	834,981	504,868	661,881	0	2,001,730	2,084,834
1979	39,152	14,315	3,231	0	4,830	0	43	1,134	0	0	0	272	0	66,977	570,771	1,149,737	0	1,720,508	723,938	686,703	0	3,131,149	3,198,126
1980	94,622	38,980	8,365	0	9,856	0	27	1,032	0	0	0	9	0	132,891	1,078,820	775,324	0	1,804,144	802,172	503,256	0	3,109,574	3,262,465
1981	50,906	18,798	5,446	0	13,065	0	11	737	0	1,519	0	0	0	90,482	461,439	537,989	0	999,428	797,779	194,686	0	1,991,843	2,082,325
1982	0	0	193	0	10,192	0	0	65	0	0	0	0	0	10,450	643,891	687,225	0	1,351,116	653,507	63,737	0	2,068,360	2,078,810

Table 15. Ex-vessel value (\$) of each species landed commercially from the Aransas Bay system during calendar years 1977-1982. Data based on 1982.

Year	Finfish										Shellfish												
	Red drum	Spotted seatrout	Black drum	Seed seatrout	Flounder	Atlantic croaker	Goffeassal croaker	Sheepshead	Whiting	Mullet	Florida pompano	Unclassified Food Scrap			Brown & pink shrimp		White shrimp		Oysters	Squid	Total	Grand total	
												Unclassified Food	Unclassified Scrap	Total	Other	Total	Other	Total					
1977	96,180	130,485	33,415	3,138	40,208	449	2,731	2,654	0	102	20	124	1,317	310,643	159,139	1,395,300	0	1,554,439	505,799	65,103	0	2,125,341	2,436,184
1978	97,254	86,081	26,440	1,689	35,525	303	935	2,938	4	208	9	50	1	249,433	221,432	1,135,803	0	1,337,235	547,744	133,735	0	2,058,734	2,308,167
1979	69,246	93,462	9,094	77	34,294	44	885	2,720	0	105	228	6	18	210,179	1,148,755	1,744,314	0	2,895,069	613,401	108,704	0	3,613,374	3,827,553
1980	170,883	80,795	17,804	19	43,227	4	308	1,573	0	770	27	340	20	315,770	882,589	1,207,650	0	2,070,239	764,161	22,934	0	2,839,334	3,135,104
1981	30,838	48,578	12,343	11	53,451	1	81	6,131	0	458	0	13	0	151,926	925,332	876,325	0	1,801,657	547,211	91,654	0	2,440,524	2,582,460
1982	0	0	23,801	0	111,574	56	133	16,555	0	876	0	0	0	152,997	1,422,764	1,499,129	0	2,918,893	615,757	72,485	65	3,607,700	3,764,197

Table 16. Ex-vessel value (\$) of each species landed commercially from the Corpus Christi Bay system during calendar years 1977-1982. Data based on NMFS.

Year	Finfish										Shellfish					Grand Total							
	Red drum	Spotted seatrout	Black drum	Sand seatrout	Flounder	Atlantic croaker	Gafftopsail catfish	Sheepshead	Whiting	Millet	Florida pompano	Unidentified Food	Scrimp	Total	Brown shrimp		White shrimp	Other	Total	Oysters	Squid	Total	
1977	41,994	47,601	59,310	0	29,921	134	1,742	7,736	3	4	22	0	0	188,667	301,646	442,067	0	743,732	23,810	0	0	769,542	958,209
1978	61,906	115,207	153,746	81	35,304	314	809	11,979	0	268	118	0	0	379,852	395,436	692,600	0	1,086,036	2,136	0	0	1,090,172	1,470,026
1979	59,341	131,493	165,498	430	53,662	676	1,823	25,873	2	2,561	172	5,324	0	448,835	1,040,330	1,646,614	0	2,687,134	10,907	0	23	2,698,064	3,145,919
1980	102,295	198,155	108,901	168	21,887	376	1,071	29,996	18	5,031	124	0	420	468,542	1,199,080	592,844	0	1,791,924	7,821	0	0	1,799,745	2,268,287
1981	65,805	118,068	34,288	2,444	6,079	16	674	1,862	9	2,118	0	26	10	247,469	788,033	439,698	0	1,227,731	3,452	0	0	1,231,183	1,479,032
1982	0	0	39,154	420	35,722	385	43	10,443	0	729	2	0	0	87,098	820,284	696,440	0	1,360,646	43,922	0	0	1,360,646	1,447,744

Table 17. Ex-vessel value (\$) of each species landed commercially from the upper Laguna Madre system during calendar years 1977-1982. Data based on NMFS.

Year	Finfish										Shellfish					Grand Total							
	Red drum	Spotted seatrout	Black drum	Sand seatrout	Flounder	Atlantic croaker	Gafftopsail catfish	Sheepshead	Whiting	Millet	Florida pompano	Unidentified Food	Scrimp	Total	Brown shrimp		White shrimp	Other	Total	Oysters	Squid	Total	
1977	85,709	100,927	165,429	0	3,278	10	3	3,130	0	50	111	8	0	358,455	0	0	0	0	26,855	0	0	26,855	387,310
1978	64,187	98,935	229,320	0	3,434	42	0	2,832	0	210	116	0	0	399,074	0	0	0	0	45,691	0	0	45,691	444,765
1979	73,775	130,146	244,455	1,219	3,313	130	12	5,234	0	0	994	0	0	459,280	0	0	0	0	6,836	0	0	6,836	466,116
1980	218,638	192,549	265,977	54	6,424	300	97	7,907	0	84	0	0	0	692,050	0	0	0	0	2,704	0	0	2,704	694,754
1981	137,059	136,247	199,140	18	5,604	223	21	7,458	1	0	21	0	0	505,792	0	0	0	0	0	0	0	0	505,792
1982	0	0	535,031	41	24,167	4	0	16,936	0	0	306	0	0	576,485	0	0	0	0	3,832	0	0	3,832	580,317

Table 18. Ex-vessel value (\$) of each species landed commercially from the lower Laguna Madre system during calendar years 1977-1982. Data based on NMFS.

Year	Finfish										Shellfish					Grand Total							
	Red drum	Spotted seatrout	Black drum	Sand seatrout	Flounder	Atlantic croaker	Gafftopsail catfish	Sheepshead	Whiting	Millet	Florida pompano	Unidentified Food	Scrimp	Total	Brown shrimp		White shrimp	Other	Total	Oysters	Squid	Total	
1977	187,048	234,299	84,443	0	16,294	1,094	30	2,138	0	0	50	93	5,518	530,969	0	0	0	0	239,536	8,957	0	248,493	779,452
1978	285,311	194,203	125,476	0	7,678	502	2,918	6,517	0	49	85	546	235	625,720	0	0	0	0	50,571	4,010	10	54,591	680,311
1979	284,457	271,075	141,050	4,380	27,732	269	36	4,938	0	0	1,207	413	15	740,794	0	0	0	0	30,801	2,235	0	33,036	773,830
1980	368,401	254,905	98,202	53	8,799	81	0	8,371	0	13	237	239	41	759,432	0	0	0	0	130,842	23,234	0	154,076	914,008
1981	373,376	208,753	86,390	0	11,614	94	1	3,882	1	578	384	290	56	703,130	0	0	0	0	234,290	0	0	234,290	937,420
1982	0	0	145,360	0	37,163	27	0	2,013	0	0	27	369	6	184,899	0	0	0	0	218,255	6,531	0	218,786	403,685

Appendix C. Weight (lb) and ex-vessel value (\$) of commercial landings in Texas territorial waters of the Gulf of Mexico during calendar years 1977-1982.

Table 1. Weight (lb) of each species landed commercially from Gulf of Mexico grid area 17.0 during calendar years 1977-1982. Data based on MMR.

Year	Fish										Shellfish												
	Red drum	Spotted seatrout	Black drum	Sand seatrout	Flounder	Atlantic croaker	Gafftopsail catfish	Shothead	Whiting	Moist pompano	Florida pompano	Unclassified Food	Scrap	Cobia	Croaker	Snapper	Muhlenberg	Mechanical	Total	Blue crabs	Squid	Total	Grand total
1977	2,459	1,405	5,810	0	2,888	346	50	1,415	4,805	0	0	0	0	200	619	26,211	0	0	56,438	0	0	0	56,438
1978	491	262	20,455	0	2,539	0	112	143	2,178	0	26	461	0	0	0	1,546	0	0	28,163	1,268	13	1,281	29,444
1979	77	3,200	114	0	1,176	0	77	587	418	0	0	0	0	0	0	3,222	0	0	8,871	100	0	100	8,971
1980	243	69	113	0	3,419	352	0	471	3,648	0	0	71	276	0	582	825	0	0	10,289	3,149	0	3,149	13,438
1981	93	36	71	0	2,816	29	562	532	1,250	619	0	515	0	0	235	0	0	0	6,762	9,880	0	9,880	16,642
1982	0	0	62	0	4,010	35	31	1,450	1,923	0	0	142	0	0	0	0	0	0	7,653	2,555	114	2,669	10,322

Table 2. Weight (lb) of each species landed commercially in Gulf of Mexico grid area 18.0 during calendar years 1977-1982. Data based on MMR.

Year	Fish										Shellfish												
	Red drum	Spotted seatrout	Black drum	Sand seatrout	Flounder	Atlantic croaker	Gafftopsail catfish	Shothead	Whiting	Moist pompano	Florida pompano	Unclassified Food	Scrap	Cobia	Croaker	Snapper	Muhlenberg	Mechanical	Total	Blue crabs	Squid	Total	Grand total
1977	37,530	101,973	28,081	0	55,084	2,266	10,128	19,444	20,213	535	0	53,797	38,794	13,865	7,874	96,486	70	175	494,420	11,038	7,813	18,851	513,271
1978	4,956	40,405	4,955	0	31,429	5,390	1,634	8,924	18,099	1,340	81	18,781	35,905	10,124	17,470	100,449	0	0	298,932	502	11,164	11,666	310,598
1979	4,657	81,963	14,324	0	20,653	3,742	331	17,167	4,038	2,753	128	25,831	62,236	5,629	7,020	62,133	0	0	318,760	417	577	994	319,754
1980	4,649	36,877	7,181	0	35,081	13	434	4,894	9,424	1,076	576	10,763	8,546	1,700	13,937	58,750	0	0	195,483	485	0	485	196,968
1981	1,161	7,130	4,900	0	16,444	0	2,081	6,657	10,178	9,881	0	1,067	4,167	8,289	4,796	20,996	0	0	97,827	519	0	519	98,346
1982	0	0	4,483	6	34,556	0	1,373	15,794	19,301	3,204	340	0	0	15,532	10,477	97,911	0	0	237,408	48	1,340	1,411	238,929

Table 3. Weight (lb) of each species landed commercially from Gulf of Mexico grid area 19.0 during calendar years 1977-1982. Data based on MMR.

Year	Fish										Shellfish												
	Red drum	Spotted seatrout	Black drum	Sand seatrout	Flounder	Atlantic croaker	Gafftopsail catfish	Shothead	Whiting	Moist pompano	Florida pompano	Unclassified Food	Scrap	Cobia	Croaker	Snapper	Muhlenberg	Mechanical	Total	Blue crabs	Squid	Total	Grand total
1977	7,460	6,429	10,039	0	33,124	0	3,142	1,953	1,050	239	452	1,840	4,144	4,142	3,538	57,740	0	0	135,372	137	532	669	136,041
1978	2,018	2,794	4,464	0	6,446	59	211	663	1,101	577	66	657	237	3,236	10,972	69,871	0	0	103,372	0	50	50	103,422
1979	8,394	41,813	8,555	0	1,208	0	29	1,969	2,174	26,066	153	3,392	0	2,045	2,698	41,243	0	0	139,739	0	0	0	139,739
1980	2,771	10,790	591	0	2,265	2,358	0	1,700	187	3,330	89	986	10	540	5,214	70,449	0	0	101,280	0	0	0	101,280
1981	7,728	4,070	1,356	0	609	0	0	102	2,849	0	5	0	0	5,424	10,868	49,586	0	0	81,767	0	0	0	81,767
1982	0	0	470	0	19,412	0	0	848	2,179	0	3,209	2,889	0	8,578	29,543	133,504	0	0	221,452	0	0	0	221,452

Table 6. Ex-vessel value (\$) of each species landed commercially in Gulf of Mexico grid area 17.0 during calendar years 1977-1982. Data based on MFR.

Year	Finfish										Shellfish												
	Red drum	Spotted seatrout	Black drum	Sand seatrout	Flounder	Atlantic croaker	Gulf coast snook	Sheepshead	Whiting	Mullet	Florida pompano	Unclassified Food	ScRP	Cobia	Croaker	Souper	Mushroom	Mackerel	Total	Blue crabs	Squid	Total	
1977	1,310	720	1,558	0	1,559	93	10	331	946	0	0	0	0	50	159	32,954	0	0	39,480	0	0	0	39,480
1978	209	114	4,091	0	1,222	0	20	17	346	0	4	108	0	0	0	3,725	0	0	7,856	159	3	162	8,018
1979	40	3,803	23	0	822	0	15	139	66	0	0	0	0	0	4,280	0	0	9,088	30	0	30	9,118	
1980	161	36	16	0	2,242	36	0	53	463	0	0	18	42	0	282	1,170	0	0	4,499	694	0	694	5,193
1981	35	25	17	0	1,562	7	112	142	150	71	0	0	123	0	1	458	0	0	2,733	1,520	0	1,520	4,253
1982	0	0	21	0	2,236	9	8	302	315	0	0	0	26	0	0	0	0	0	2,917	742	46	788	3,705

Table 7. Ex-vessel value (\$) of each species landed commercially in Gulf of Mexico grid area 18.0 during calendar years 1977-1982. Data based on MFR.

Year	Finfish										Shellfish												
	Red drum	Spotted seatrout	Black drum	Sand seatrout	Flounder	Atlantic croaker	Gulf coast snook	Sheepshead	Whiting	Mullet	Florida pompano	Unclassified Food	ScRP	Cobia	Croaker	Souper	Mushroom	Mackerel	Total	Blue crabs	Squid	Total	
1977	21,052	58,570	6,144	0	28,295	515	1,727	4,441	3,021	120	0	10,440	4,550	3,486	1,852	83,266	14	10	229,702	2,199	2,222	4,421	234,113
1978	2,970	27,187	1,097	0	18,078	1,060	380	1,412	2,121	536	65	4,720	3,639	3,380	4,370	94,228	0	0	165,243	92	3,190	3,282	168,525
1979	3,655	76,176	5,222	0	13,949	626	78	3,083	897	444	143	7,984	7,574	2,362	2,840	74,384	0	0	199,318	146	179	325	199,643
1980	5,267	40,967	1,650	0	24,609	3	159	1,057	1,752	143	784	4,373	615	880	5,507	78,035	0	0	165,851	318	0	318	166,169
1981	1,483	8,670	1,044	0	11,550	0	1,976	1,325	2,364	1,235	0	280	221	4,357	2,537	27,918	0	0	64,975	208	0	208	65,183
1982	0	0	1,906	2	48,195	0	475	4,290	4,115	486	68	3,152	0	9,065	5,369	146,969	0	0	246,092	48	558	606	246,698

Table 8. Ex-vessel value (\$) of each species landed commercially from Gulf of Mexico grid area 19.0 during calendar years 1977-1982. Data based on MFR.

Year	Finfish										Shellfish												
	Red drum	Spotted seatrout	Black drum	Sand seatrout	Flounder	Atlantic croaker	Gulf coast snook	Sheepshead	Whiting	Mullet	Florida pompano	Unclassified Food	ScRP	Cobia	Croaker	Souper	Mushroom	Mackerel	Total	Blue crabs	Squid	Total	
1977	4,048	3,497	1,952	0	16,543	0	2,546	341	109	27	299	361	416	982	1,072	39,627	0	0	72,000	29	113	142	72,142
1978	1,341	2,094	1,021	0	3,451	6	47	34	165	76	61	169	12	920	2,174	63,698	0	0	75,269	0	13	13	75,282
1979	6,459	32,342	2,992	0	658	0	5	289	227	2,002	158	677	0	481	745	43,733	0	0	90,748	0	0	0	90,748
1980	2,583	9,437	382	0	1,998	167	0	215	47	500	117	737	2	259	2,418	114,454	0	0	133,344	0	0	0	133,344
1981	10,045	5,064	285	0	563	0	0	34	610	0	7	0	0	2,929	5,181	74,471	0	0	98,989	0	0	0	98,989
1982	0	0	94	0	18,460	0	0	186	598	0	3,125	1,903	0	4,019	17,894	271,642	0	0	317,873	0	0	0	317,873

Table 9. Ex-vessel value (\$) of each species landed commercially from Gulf of Mexico grid area 20.0 during calendar years 1977-1982. Data based on HFR.

Year	Red drum	Spotted drum	Black drum	Tand snoutro	Atlantic croaker			Finfish		Florida pompano			Unclassified food fish		Cobia	Groupers	Snappers	Mahi-mahi	Mackerels	Shellfish		Grand total																			
					Flounder	Seabream	Sheepshead	Whiting	Mullet	Shrimp	Crab	Blue crab	Squid	Total																											
1977	160	13	0	0	149	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	362	0	0	0	0	0	0	0	0	362										
1978	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	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	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	0	0	0	0	0	0	0	0	0	0						
1982	0	0	682	0	303	0	0	0	0	0	0	0	0	0	0	0	1,170	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,235	0	0	0	0	2,235

Table 10. Ex-vessel value (\$) of each species landed commercially from Gulf of Mexico grid area 21.0 during calendar years 1977-1982. Data based on HFR.

Year	Red drum	Spotted drum	Black drum	Tand snoutro	Atlantic croaker			Finfish		Florida pompano			Unclassified food fish		Cobia	Groupers	Snappers	Mahi-mahi	Mackerels	Shellfish		Grand total				
					Flounder	Seabream	Whiting	Mullet	Shrimp	Crab	Blue crab	Squid	Total													
1977	1,036	0	2,270	0	2,647	24	7	430	59	0	20	1,753	0	197	2,014	262,476	0	0	0	0	0	273,131	0	37	37	273,168
1978	39	0	596	0	1,262	672	12,227	169	43	1,917	448	829	0	119	3,217	243,830	0	0	0	0	0	245,108	0	0	0	245,108
1979	0	0	549	0	1,245	0	0	294	9	0	2,049	690	34	0	3,111	139,134	0	0	0	0	0	147,135	0	0	0	147,135
1980	258	0	1,018	0	2,240	0	0	10	15	0	196	42	0	0	1,549	157,616	0	0	0	0	0	162,964	0	0	0	162,964
1981	0	24,256	3,207	0	6,911	470	0	189	5	0	331	6,829	0	0	6,471	164,488	0	0	0	0	0	213,253	0	0	0	213,253
1982	0	0	6,689	0	13,173	94	0	143	117	0	0	12,543	72	0	20,327	227,404	0	0	0	0	0	268,060	0	390	390	268,450

Table 11. Weight (lb x 1000) of each shrimp species (heads-on) landed commercially from the Gulf of Mexico during calendar years 1977-1982. Data based on MMPR.

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	71,337.9	10,064.5	1,075.7	82,478.0
1982	44,549.0	10,852.3	1,210.6	56,611.8

Table 12. Ex-vessel value (\$ x 1000) of each shrimp species (heads-on) landed commercially from the Gulf of Mexico during calendar years 1977-1982. Data based on MMPR.

Year	Brown and pink	White	Other	Total
1977	97,992.2	16,356.9	234.9	114,584.0
1978	99,880.9	28,114.5	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

Appendix D. Total monthly commercial finfish and shellfish landings (lb) and ex-vessel value (\$) from Texas bay systems during calendar year 1982.

Table 1. Weight (lbs) of each species landed commercially from the Sabine Lake during calendar year 1982. Data based on 1982.

Month	Finfish										Shellfish			Grand Total						
	Red drum	Spotted seatrout	Black drum	Sand seatrout	Atlantic croaker	Gulf croaker	Atlantic croaker	Sheepshead	Whiting	Mullet	Florida pompano	Unidentified Food Fish	Brown shrimp		White shrimp	Other	Blue crabs	Oysters	Squid	Total
Jan.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Feb.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21,266	0	0	21,266	21,266
Mar.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19,455	0	0	19,455	19,455
Apr.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15,084	0	0	15,084	15,084
May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11,088	0	0	11,088	11,088
Jun.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16,406	0	0	16,406	16,406
Jul.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aug.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sep.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oct.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nov.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dec.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	113,443	0	0	113,443	284,766

Table 2. Weight (lbs) of each species landed commercially from the Galveston Bay system during calendar year 1982. Data based on 1982.

Month	Finfish										Shellfish			Grand Total								
	Red drum	Spotted seatrout	Black drum	Sand seatrout	Atlantic croaker	Gulf croaker	Atlantic croaker	Sheepshead	Whiting	Mullet	Florida pompano	Unidentified Food Fish	Brown shrimp		White shrimp	Other	Blue crabs	Oysters	Squid	Total		
Jan.	0	0	4,491	0	359	0	0	8,988	166	11,444	0	233	43	26,204	0	8,241	25,340	210,499	0	244,780	270,486	
Feb.	0	0	153	0	519	0	1,073	1,766	75	5,787	0	1,075	3,043	6,621	0	3,803	8,127	315,931	0	327,863	334,484	
Mar.	0	0	2,369	0	1,073	0	6	1,777	131	5,787	0	198	59	10,900	0	1,789	12,489	246,139	0	278,427	289,327	
Apr.	0	0	2,076	0	1,651	41	1,139	8,059	0	6,718	0	1,693	1,091	22,510	0	70,406	34,522	202,466	0	307,394	379,804	
May	0	0	2,142	0	2,701	2,784	2,088	13,778	5,724	37,930	0	1,623	6,465	75,435	185,190	100,046	80,010	62,355	876	628,383	703,818	
Jun.	0	0	4,174	691	2,204	121	1,042	5,876	1,428	3,168	34	1,001	4,419	24,288	859,247	44,980	899,227	470,574	63,701	115	1,433,614	1,437,902
Jul.	0	0	4,626	0	2,401	503	706	2,053	1,751	562	0	713	17,729	31,264	277,040	12,183	264,843	290,299	70,175	36	645,153	636,617
Aug.	0	0	2,034	2	3,241	1,642	43	3,871	954	70	3	2,951	3,136	17,967	137,586	674,396	606,982	50,522	78,506	3	736,013	751,980
Sep.	0	0	26,671	1,229	44,158	21,950	3,540	13,879	1,789	19,458	0	7,935	2,542	143,532	1,475	707,662	709,137	79,483	73,064	422	862,166	1,005,218
Oct.	0	0	7,559	748	68,650	19,187	2,435	18,245	2,195	4,206	0	1,935	403	123,963	0	1,274,723	45,977	59,885	8,375	1,308,960	1,514,923	
Nov.	0	0	10,079	19	43,908	12,143	2,278	40,183	377	28,658	0	482	5,950	146,087	0	591,127	39,330	932,028	45	1,562,425	1,706,312	
Dec.	0	0	5,450	7	26,697	567	0	7,457	33,378	986	0	46	0	34,588	0	170,016	79,466	920,834	20	1,170,316	1,244,905	
Total	0	0	72,524	2,696	197,762	99,198	13,477	175,962	67,880	118,907	37	19,897	45,080	703,379	1,646,158	3,459,392	5,105,550	1,216,137	3,253,765	9,942	9,585,394	10,798,273

Table 3. Weight (lbs) of each species landed commercially from the East Metopoda Bay system during calendar year 1992. Data based on MPP.

Month	Finfish										Strip				Shellfish				Grand Total		
	Red drum	Spotted seatrout	Black drum	Sand seatrout	Flounder	Atlantic croaker	Gafftopsail catfish	Sheepshead	Whiting	Mullet	Florida pompano	Unclassified	Brown & pink shrimp	White shrimp	Other	Total	Blue crab	Oysters		Squid	Total
Jan.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Feb.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11,171	0	0	0	11,171
Mar.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,243	0	0	0	1,243
Apr.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50,250	0	0	0	50,250
May	0	104	0	10	0	0	0	2	0	0	14	0	130	0	0	0	2,870	0	0	0	2,870
Jun.	0	333	0	1,113	0	1,462	1,317	0	0	0	1,336	0	5,961	0	0	0	159,825	0	0	0	159,825
Jul.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	81,573	0	0	0	81,573
Aug.	0	307	0	129	0	0	0	0	0	0	0	0	436	0	0	0	125,094	0	0	0	125,094
Sep.	0	0	0	66	0	0	0	0	0	0	0	0	66	0	0	0	67,865	0	0	0	67,865
Oct.	0	3	34	103	0	12	7	0	0	0	2	0	161	0	0	0	75,276	0	0	0	75,276
Nov.	0	723	0	394	0	0	0	0	0	0	0	0	1,117	0	0	0	0	0	0	0	1,117
Dec.	0	105	0	9,943	0	0	214	0	0	0	0	0	10,262	0	0	0	52,286	0	0	0	52,286
Total	0	1,975	34	11,578	0	1,474	1,340	0	0	0	1,332	0	18,133	0	0	0	830,153	0	0	0	830,153

Table 4. Weight (lbs) of each species landed commercially from the Metopoda Bay system during calendar year 1992. Data based on MPP.

Month	Finfish										Strip				Shellfish				Grand Total		
	Red drum	Spotted seatrout	Black drum	Sand seatrout	Flounder	Atlantic croaker	Gafftopsail catfish	Sheepshead	Whiting	Mullet	Florida pompano	Unclassified	Brown & pink shrimp	White shrimp	Other	Total	Blue crab	Oysters		Squid	Total
Jan.	0	0	0	0	39	0	0	0	58	0	0	0	97	0	0	0	42,062	0	0	0	42,062
Feb.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	55,284	69,630	0	0	104,914
Mar.	0	57	0	92	0	0	0	24	0	0	0	173	6,724	0	0	0	38,435	77,402	0	0	122,561
Apr.	0	6	0	445	0	0	3	0	0	0	11	0	468	1,367	15,363	0	16,730	58,184	83,201	0	160,075
May	0	0	0	0	0	0	0	0	0	0	0	0	388,272	29,654	0	0	417,926	130,324	0	0	548,250
Jun.	0	205	0	4,033	0	0	0	402	0	176	0	0	4,816	3,016,330	6,017	0	1,022,347	68,271	0	0	1,090,618
Jul.	0	0	0	22	0	0	3	0	0	159	0	0	184	33,073	2,493	0	337,716	180,570	0	0	518,286
Aug.	0	686	0	463	0	0	0	3	0	98	0	0	1,260	8,492	342,239	0	370,731	5,075	0	0	375,855
Sep.	0	1	0	12	0	0	0	4	3	539	0	12	574	800	565,943	0	566,743	25,271	0	25	592,039
Oct.	0	216	3	710	0	0	4	71	0	204	0	20	1,228	0	500,827	0	500,827	21,706	0	0	524,533
Nov.	0	352	0	2,467	0	0	0	96	0	130	0	24	3,069	0	471,352	0	471,352	8,925	0	0	501,277
Dec.	0	8	0	227	0	0	0	0	0	29	0	0	264	0	117,202	0	117,202	24,981	0	0	222,026
Total	0	1,241	3	8,510	0	13	661	3	1,315	0	67	0	12,133	1,745,008	2,113,852	0	3,870,860	688,000	270,376	74	4,810,310

Table 9. Weight (lbs) of each species landed commercially from the lower Laguna Madre Bay system during calendar year 1982. Data based on logPR.

Month	Finfish												Shellfish			Grand Total							
	Red drum	Spotted seatrout	Black drum	Sand seatrout	Flounder	Atlantic croaker	Gafftopsail catfish	Sheepshead	Whiting	Mullet	Florida pompano	Unclassified Food Fish	Total	Brown & Pink	White		Other	Total	Blue Crabs	Oysters	Squid	Total	
Jan.	0	0	50,138	0	222	85	0	2,992	0	0	0	111	53,568	0	0	0	0	18,587	0	0	0	18,587	72,135
Feb.	0	0	38,539	0	39	0	0	2,707	0	0	0	712	42,017	0	0	0	0	31,587	122	0	0	31,709	73,776
Mar.	0	0	9,034	0	752	0	0	506	0	0	0	10	10,302	0	0	0	0	64,111	630	0	0	64,741	75,043
Apr.	0	0	3,367	0	1,177	0	0	0	0	0	0	398	4,942	0	0	0	0	71,757	210	0	0	71,967	76,909
May	0	0	3,109	0	1,826	0	0	0	0	0	0	24	5,159	0	0	0	0	37,712	403	0	0	38,115	43,274
Jun.	0	0	6,104	0	3,732	0	0	0	0	0	0	0	9,836	0	0	0	0	64,170	648	0	0	64,818	74,654
Jul.	0	0	4,309	0	5,871	0	0	19	0	0	0	192	10,191	0	0	0	0	85,190	473	0	0	85,663	96,054
Aug.	0	0	8,325	0	3,871	0	0	148	0	0	6	0	12,350	0	0	0	0	83,052	350	0	0	83,402	95,752
Sept.	0	0	16,199	0	2,977	0	0	1,070	0	0	0	0	18,246	0	0	0	0	191,538	401	0	0	191,941	210,187
Oct.	0	0	20,334	0	3,360	0	0	461	0	0	0	0	24,135	0	0	0	0	58,450	158	0	0	58,608	82,743
Nov.	0	0	70,776	0	7,785	0	0	1,665	0	0	0	382	80,408	0	0	0	0	27,953	175	0	0	28,128	108,536
Dec.	0	0	46,127	0	2,233	6	0	1,905	0	0	9	0	50,280	0	0	0	0	13,073	0	0	0	13,073	63,353
Total	0	0	274,561	0	33,825	91	0	11,273	0	0	16	1,849	321,614	0	0	0	0	747,180	3,572	0	0	750,752	1,072,366

Table 10. Ex-vessel value (\$) of each species landed commercially from the Sabine Lake during calendar year 1982. Data based on MPR.

Month	Finfish										Shellfish			Grand total		
	Red drum sea trout	Spotted drum	Black drum	Sand sea trout	Flounder	Atlantic croaker	Gulf coast sheepshead	Whiting	Mullet	Florida pompano	Unidentified food fish	Stripper	Other		Blue crab	Drydock squid
Jan.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Feb.	0	0	0	0	0	0	0	0	0	0	0	0	0	8,079	0	8,079
Mar.	0	0	0	0	0	0	0	0	0	0	0	0	0	7,393	0	7,393
Apr.	0	0	0	0	0	0	0	0	0	0	0	0	0	6,034	0	6,034
May	0	0	0	0	0	0	0	0	0	0	0	0	0	17,573	0	17,573
Jun.	0	0	0	0	0	0	0	0	0	0	0	0	0	6,562	0	6,562
Jul.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aug.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sep.	0	0	0	0	0	0	0	0	0	0	0	0	0	13,149	2,866	16,015
Oct.	0	0	0	0	0	0	0	0	0	0	0	0	0	91,342	0	91,342
Nov.	0	0	0	0	0	0	0	0	0	0	0	0	0	92,927	220	93,147
Dec.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	197,418	270	197,688
														43,907	0	241,595

Table 11. Ex-vessel value (\$) of each species landed commercially from the Galveston Bay system during calendar year 1982. Data based on MPR.

Month	Finfish										Shellfish			Grand total		
	Red drum sea trout	Spotted drum	Black drum	Sand sea trout	Flounder	Atlantic croaker	Gulf coast sheepshead	Whiting	Mullet	Florida pompano	Unidentified food fish	Stripper	Other		Blue crab	Drydock squid
Jan.	0	0	3,461	0	427	0	0	2,697	63	1,144	0	70	2	7,844	0	7,844
Feb.	0	0	1,055	0	628	3	0	531	18	0	565	153	2,007	2,966	0	2,966
Mar.	0	0	606	0	1,285	0	2	481	37	529	0	52	7	2,999	0	2,999
Apr.	0	0	763	0	1,737	14	266	1,940	0	786	0	587	356	6,449	0	6,449
May	0	0	1,039	0	3,064	817	754	3,463	1,641	3,811	0	546	875	16,032	262,898	300,087
Jun.	0	0	1,999	171	2,549	35	284	1,637	427	632	66	350	487	8,619	683,398	119,119
Jul.	0	0	2,005	0	7,942	143	259	536	439	73	214	1,773	8,384	378,359	25,383	378,359
Aug.	0	0	882	1	3,881	523	10	867	237	16	6	871	488	7,782	166,031	888,822
Sep.	0	0	8,280	246	38,119	3,555	529	2,999	371	2,039	0	1,492	228	57,858	1,965	1,417,647
Oct.	0	0	2,508	258	75,942	3,006	445	4,011	615	467	0	568	78	87,918	0	2,049,182
Nov.	0	0	2,875	5	44,111	1,845	341	6,546	74	2,902	0	113	581	59,403	0	685,094
Dec.	0	0	2,751	2	25,211	149	0	1,703	6,897	208	0	9	0	36,740	0	200,593
Total	0	0	27,794	685	199,896	10,090	2,870	27,411	10,597	12,609	72	5,863	5,038	302,075	1,442,651	5,829,651
														403,467	0	7,272,302
														4,781,388	0	12,053,689
														1,999,327	0	1,999,327
														36,206,049	0	36,206,049
														10,142,541	0	10,142,541
														3,353,218,860	0	3,353,218,860
														1,363,808	0	1,363,808
														48,100,637	0	48,100,637
														170,300	0	170,300
														138,185	0	138,185
														135,491	0	135,491
														342,158,414	0	342,158,414
														119,770	0	119,770
														3,353,218,860	0	3,353,218,860
														36,206,049	0	36,206,049
														10,142,541	0	10,142,541
														3,808,12,459,055	0	3,808,12,459,055
														4,781,388	0	4,781,388

Table 12. Ex-vessel value (\$) of each species landed commercially from the East Metoporda Bay system during calendar year 1982. Data based on MPR.

Month	Finfish										Shellfish				Grand Total		
	Red drum	Spotted seatrout	Black drum	Sand seatrout	Flounder	Atlantic croaker	Gafftopsail catfish	Sheepshead	Whiting	Mullet	Florida Pompano	Unclassified Pompano	Shrimp	Blue crabs		Oysters	Squid
Jan.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Feb.	0	0	0	0	0	0	0	0	0	0	0	0	0	3,351	0	0	3,351
Mar.	0	0	0	0	0	0	0	0	0	0	0	0	0	627	0	0	627
Apr.	0	0	0	0	0	0	0	0	0	0	0	0	0	13,721	0	0	13,721
May	0	0	83	0	15	0	0	2	0	0	13	0	113	1,035	0	0	1,148
Jun.	0	0	571	0	1,357	0	1,097	1,017	0	0	1,336	0	5,578	52,994	0	0	58,572
Jul.	0	0	0	0	0	0	0	0	0	0	0	0	0	23,399	0	0	23,399
Aug.	0	0	246	0	155	0	0	0	0	0	0	0	401	32,839	0	0	33,240
Sep.	0	0	0	0	86	0	0	0	0	0	0	0	86	18,351	0	0	18,437
Oct.	0	0	1	22	149	0	8	5	0	0	2	0	187	20,374	0	0	20,561
Nov.	0	0	506	0	394	0	0	0	0	0	0	0	900	0	0	900	
Dec.	0	0	47	0	8,459	0	0	64	0	0	0	0	8,570	23,006	0	0	31,576
Total	0	0	1,454	22	10,815	0	1,105	1,088	0	0	1,351	0	15,825	189,697	0	0	205,522

Table 13. Ex-vessel value (\$) of each species landed commercially from the Metoporda Bay system during calendar year 1982. Data based on MPR.

Month	Finfish										Shellfish				Grand Total		
	Red drum	Spotted seatrout	Black drum	Sand seatrout	Flounder	Atlantic croaker	Gafftopsail catfish	Sheepshead	Whiting	Mullet	Florida Pompano	Unclassified Pompano	Shrimp	Blue crabs		Oysters	Squid
Jan.	0	0	0	0	57	0	0	44	0	0	0	0	101	800	37,606	0	59,657
Feb.	0	0	0	0	0	0	0	0	0	0	0	0	0	13,863	58,017	0	71,880
Mar.	0	0	31	0	106	0	0	7	0	0	0	0	144	11,431	115,967	0	140,952
Apr.	0	0	5	0	517	0	2	2	0	0	10	0	536	2,969	38,793	0	41,762
May	0	0	0	0	0	0	0	0	0	0	0	0	0	245,888	93,251	0	339,139
Jun.	0	0	164	0	4,597	0	0	300	0	79	0	0	5,140	879,448	21,543	0	900,991
Jul.	0	0	0	0	28	0	2	0	0	64	0	0	94	323,786	9,409	0	333,195
Aug.	0	0	547	0	566	0	0	2	0	49	0	0	1,174	9,171	736,063	0	745,234
Sep.	0	0	1	0	15	0	1	32	1	54	0	6	80	880	1,388,045	0	1,388,925
Oct.	0	0	205	2	939	0	3	32	0	10	0	14	1,250	1,008,018	5,459	0	1,013,477
Nov.	0	0	247	0	2,383	0	0	43	0	13	0	14	2,700	593,129	12,750	0	610,879
Dec.	0	0	4	0	251	0	0	0	0	13	0	0	268	107,504	36,240	0	170,311
Total	0	0	1,214	2	9,459	0	8	632	1	282	0	44	11,442	1,471,573	4,013,106	20	6,088,263

Table 16. Ex-vessel value (\$) of each species landed commercially from the Corpus Christi Bay system during calendar year 1982. Data based on MPR.

Month	Finfish										Shellfish				Grand Total			
	Red drum	Spotted seatrout	Black drum	Sand seatrout	Flounder	Atlantic croaker	Gulf coast snook	Whiting	Mullet	Florida pompano	Doc. classified	Scrimp	Total	Blue crabs		Oysters	Squid	Total
Jan.	0	0	9,314	55	4,046	0	0	2,407	0	675	0	0	16,487	0	403	0	403	16,900
Feb.	0	0	12,487	0	1,019	0	0	3,035	0	0	0	0	16,541	0	0	0	4,093	20,634
Mar.	0	0	3,080	2	1,149	0	0	520	0	0	0	0	4,751	21,766	2,663	0	24,427	31,178
Apr.	0	0	1,901	27	2,011	0	14	1,877	0	0	2	0	5,832	58,267	17,864	0	76,131	82,000
May	0	0	3,186	0	1,455	0	0	348	0	0	0	0	5,189	122,379	28,096	0	150,475	155,664
Jun.	0	0	46	1	1,988	0	0	384	0	4	0	0	2,623	175,645	2,594	0	178,239	178,713
Jul.	0	0	4	0	427	0	0	2	0	0	0	0	433	131,848	1,087	0	132,935	133,368
Aug.	0	0	4	0	489	57	0	20	0	0	0	0	570	17,507	115,453	0	132,960	133,530
Sep.	0	0	596	0	2,259	0	23	9	0	0	0	0	2,887	62,484	319,202	0	381,686	384,573
Oct.	0	0	2,590	0	3,841	31	6	18	0	50	0	0	6,556	29,356	114,166	0	143,522	150,078
Nov.	0	0	2,668	335	13,358	265	0	383	0	0	0	0	17,619	0	85,464	0	85,464	93,083
Dec.	0	0	2,668	0	3,480	12	0	1,240	0	0	0	0	7,600	874	9,448	0	10,322	10,322
Total	0	0	39,134	420	35,722	385	43	10,643	0	729	2	0	87,098	670,784	696,440	0	1,316,724	1,317,608

Table 17. Ex-vessel value (\$) of each species landed commercially from the upper Laguna Madre Bay system during calendar year 1982. Data based on MPR.

Month	Finfish										Shellfish				Grand Total		
	Red drum	Spotted seatrout	Black drum	Sand seatrout	Flounder	Atlantic croaker	Gulf coast snook	Whiting	Mullet	Florida pompano	Doc. classified	Scrimp	Total	Blue crabs		Oysters	Squid
Jan.	0	0	8,739	0	46	0	0	482	0	0	0	0	9,267	0	0	0	9,267
Feb.	0	0	18,060	41	162	0	0	847	0	0	0	0	19,110	0	0	0	19,110
Mar.	0	0	27,859	0	93	0	0	293	0	0	0	0	28,247	0	0	0	28,247
Apr.	0	0	77,227	0	692	0	0	1,053	0	0	0	0	78,972	0	0	0	78,972
May	0	0	63,784	0	519	0	0	1,121	0	0	0	0	65,424	0	0	0	65,424
Jun.	0	0	38,112	0	1,478	0	0	980	0	23	0	0	40,593	0	0	0	40,593
Jul.	0	0	90,839	0	1,410	0	0	1,521	0	22	0	0	53,992	0	0	0	53,992
Aug.	0	0	46,889	0	5,869	0	0	1,287	0	12	0	0	54,067	0	0	0	54,067
Sep.	0	0	51,569	0	2,204	0	0	1,520	0	35	0	0	55,333	0	0	0	55,333
Oct.	0	0	61,040	0	3,183	2	0	2,301	0	187	0	0	66,713	0	0	0	66,713
Nov.	0	0	41,990	0	4,763	0	0	3,658	0	22	0	0	30,333	0	0	0	30,333
Dec.	0	0	49,013	0	3,541	2	0	1,873	0	5	0	0	54,434	0	0	0	54,434
Total	0	0	535,031	41	24,167	4	0	16,936	0	306	2	0	576,485	0	0	0	576,485

Table 18. Ex-vessel value (\$) of each species landed commercially from the lower Laguna Madre Bay system during calendar year 1982. Data based on MMR.

Month	Finfish										Shellfish					Grand total						
	Red drum	Spotted seatrout	Black drum	Sand seatrout	Flounder	Atlantic croaker	Gafftopsail catfish	Sheepshead	Whiting	Mullet	Florida pompano	Unclassified Food Scrap	Total	Brown & pink	White		Other	Total	Blue crabs	Oysters	Squid	Total
Jan.	0	0	20,346	0	238	26	0	598	0	0	0	17	21,225	0	0	0	0	5,976	0	0	5,976	27,161
Feb.	0	0	20,277	0	41	0	0	541	0	0	0	110	20,969	0	0	0	0	9,311	210	0	9,523	30,492
Mar.	0	0	5,214	0	849	0	0	86	0	0	2	6,151	6,151	0	0	0	0	20,332	1,024	0	21,356	27,500
Apr.	0	0	2,259	0	1,329	0	0	0	0	0	80	3,668	3,668	0	0	0	0	19,374	360	0	19,734	23,402
May	0	0	2,401	0	2,076	0	0	0	0	0	5	4,482	4,482	0	0	0	0	11,313	690	0	12,003	16,485
Jun.	0	0	4,417	0	4,473	0	0	0	0	0	0	8,890	8,890	0	0	0	0	19,251	1,295	0	20,546	29,436
Jul.	0	0	3,021	0	6,971	0	0	6	0	0	18	10,016	10,016	0	0	0	0	25,557	965	0	26,502	36,538
Aug.	0	0	5,733	0	4,659	0	0	22	0	0	0	10,426	10,426	0	0	0	0	20,289	700	0	20,989	31,415
Sep.	0	0	8,654	0	3,515	0	0	171	0	0	12	12,340	12,340	0	0	0	0	54,004	690	0	54,694	67,034
Oct.	0	0	12,620	0	3,298	0	0	88	0	0	0	16,006	16,006	0	0	0	0	14,006	315	0	14,321	30,327
Nov.	0	0	40,560	0	7,912	0	0	310	0	0	57	48,839	48,839	0	0	0	0	8,821	300	0	9,121	57,960
Dec.	0	0	19,858	0	1,802	1	0	191	0	0	15	21,867	21,867	0	0	0	0	4,059	0	0	4,059	25,926
Total	0	0	145,360	0	37,163	27	0	2,013	0	0	27	309	184,899	184,899	0	0	0	212,555	6,531	0	218,786	403,685

Appendix E. Total monthly commercial finfish and shellfish (except shrimp) landings (lb) and ex-vessel value (\$) from the Gulf of Mexico grid areas for calendar year 1982.

Table 1. Weight (lb) of each species landed commercially from Gulf of Mexico grid area 17.0 during calendar year 1982. Data based on MPR.

Month	Finfish										Shellfish			Grand Total						
	Red drum	Spotted seatrout	Black drum	Sand seatrout	Flounder	Atlantic croaker	Gafftopsail catfish	Sheepshead	Whiting	Mullet	Florida pompano	Unclassified Food Scrap	Cobia		Crouper	Snapper	Total	Blue crabs	Squid	Total
Jan.	0	0	0	0	224	0	0	78	291	0	0	0	0	0	4	0	593	0	0	593
Feb.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mar.	0	0	0	0	215	0	0	908	349	0	0	0	0	0	0	0	1,550	1,310	0	2,860
Apr.	0	0	0	0	107	0	0	252	110	0	0	0	0	0	0	0	469	0	0	469
May	0	0	45	0	18	35	31	31	27	0	0	100	0	0	0	0	287	95	0	382
Jun.	0	0	0	0	199	0	0	18	66	0	0	42	0	0	0	0	325	0	0	325
Jul.	0	0	0	0	99	0	0	14	279	0	0	0	0	0	0	0	388	0	0	388
Aug.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sep.	0	0	0	0	113	0	0	0	216	0	0	0	0	0	0	0	329	0	0	329
Oct.	0	0	0	0	216	0	0	53	175	0	0	0	0	0	0	0	442	0	0	442
Nov.	0	0	0	0	2,775	0	0	18	352	0	0	0	0	0	0	0	3,145	0	114	3,259
Dec.	0	0	17	0	46	0	0	0	62	0	0	0	0	0	0	0	125	1,150	0	1,275
Total	0	0	62	0	4,010	35	31	1,450	1,923	0	0	142	0	0	0	0	7,653	2,555	114	10,322

Table 2. Weight (lb) of each species landed commercially from Gulf of Mexico grid area 18.0 during calendar year 1982. Data based on MPR.

Month	Finfish										Shellfish			Grand Total						
	Red drum	Spotted seatrout	Black drum	Sand seatrout	Flounder	Atlantic croaker	Gafftopsail catfish	Sheepshead	Whiting	Mullet	Florida pompano	Unclassified Food Scrap	Cobia		Crouper	Snapper	Total	Blue crabs	Squid	Total
Jan.	0	0	0	0	238	0	0	1,128	316	0	0	0	0	144	2,628	4,454	0	0	4,454	
Feb.	0	0	687	0	769	0	0	1,572	569	0	0	18	0	116	1,542	5,273	0	0	5,273	
Mar.	0	0	255	0	678	0	0	504	148	0	0	665	50	81	638	3,039	0	0	3,039	
Apr.	0	0	136	0	690	0	409	247	635	0	0	1,765	0	2,452	3,277	9,611	0	0	9,611	
May	0	0	211	0	908	0	412	0	726	0	0	859	159	711	7,631	11,617	0	0	11,617	
Jun.	0	0	0	0	108	0	0	24	0	0	0	0	3,198	154	17,037	20,521	0	315	20,836	
Jul.	0	0	0	6	3,507	0	371	64	3,134	297	0	50	4,306	2,592	18,341	32,868	121	662	783	
Aug.	0	0	2,088	0	954	0	181	1,953	2,360	1,540	0	0	0	2,616	13,351	25,043	0	213	25,256	
Sep.	0	0	0	0	3,440	0	0	1,014	226	400	0	5,030	0	395	5,021	15,883	0	120	16,003	
Oct.	0	0	909	0	21,548	0	0	6,386	7,828	967	339	3,343	0	7,250	442	10,798	59,810	0	59,810	
Nov.	0	0	227	0	21,521	0	0	18	2,588	0	1	382	0	174	64	6,728	31,703	0	31,703	
Dec.	0	0	170	0	2,195	0	0	2,884	571	0	0	180	0	748	10,919	17,667	0	0	17,667	
Total	0	0	4,683	6	56,556	0	1,373	15,794	19,301	3,204	340	12,312	0	15,532	10,477	97,911	121	1,310	1,431	238,920

Table 3. Weight (lb) of each species landed commercially from Gulf of Mexico grid area 19.0 during calendar year 1982. Data based on MMPR.

Month	Finfish										Shellfish			Grand Total					
	Red drum	Spotted seatrout	Black drum	Sand seatrout	Flounder	Atlantic croaker	Gafftopsail catfish	Sheepshead	Whiting	Mullet	Florida pompano	Unclassified Food Scrap	Cobia		Crouper	Snapper	Total	Blue crabs	Squid
Jan.	0	0	470	0	966	0	0	260	526	0	0	0	104	0	1,016	3,342	0	0	3,342
Feb.	0	0	0	0	439	0	0	0	0	0	0	0	0	0	1,165	1,604	0	0	1,604
Mar.	0	0	0	0	7	0	0	0	0	0	260	0	3	5,346	18,390	24,006	0	0	24,006
Apr.	0	0	0	0	0	0	0	0	0	0	0	0	13	7,970	46,190	54,173	0	0	54,173
May	0	0	0	0	0	0	0	0	0	0	0	0	1,269	4,732	24,716	30,717	0	0	30,717
Jun.	0	0	0	0	0	0	0	0	0	0	962	0	0	10,616	34,268	45,846	0	0	45,846
Jul.	0	0	0	0	1,316	0	0	0	0	0	0	0	4,167	521	2,381	8,385	0	0	8,385
Aug.	0	0	0	0	389	0	0	0	0	0	1,667	0	2,222	0	2,773	7,051	0	0	7,051
Sep.	0	0	0	0	52	0	0	0	0	0	0	0	313	14	3,892	4,271	0	0	4,271
Oct.	0	0	0	0	0	0	0	0	0	0	0	0	461	0	350	4,100	0	0	3,817
Nov.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8,065	8,065	0	0	8,065
Dec.	0	0	0	0	16,243	0	0	588	2,353	0	0	0	26	384	10,298	29,892	0	0	29,892
Total	0	0	470	0	19,442	0	0	848	2,879	0	3,289	2,809	8,578	29,583	153,504	221,452	0	0	221,452

Table 4. Weight (lb) of each species landed commercially from Gulf of Mexico grid area 20.0 during calendar year 1982. Data based on MMPR.

Month	Finfish										Shellfish			Grand Total					
	Red drum	Spotted seatrout	Black drum	Sand seatrout	Flounder	Atlantic croaker	Gafftopsail catfish	Sheepshead	Whiting	Mullet	Florida pompano	Unclassified Food Scrap	Cobia		Crouper	Snapper	Total	Blue crabs	Squid
Jan.	0	0	1,136	0	403	0	0	0	0	0	0	0	0	0	616	2,155	0	0	2,155
Feb.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mar.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apr.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jun.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jul.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aug.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sep.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oct.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nov.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dec.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	1,136	0	403	0	0	0	0	0	3,289	2,809	0	0	616	2,155	0	0	2,155

Table 5. Weight (lb) of each species landed commercially from Gulf of Mexico grid area 21.0 during calendar year 1982. Data based on MPR.

Month	Finfish										Shellfish			Grand Total						
	Red drum	Spotted seatrout	Black drum	Sand seatrout	Flounder	Atlantic croaker	Gafftopail catfish	Sheepshead	Whiting	Mullet	Florida pompano	Unclassified Food Scrap	Cobia		Crouper	Snapper	Total	Blue crabs	Squid	Total
Jan.	0	0	19	0	0	0	0	0	0	0	0	6,348	0	1,101	3,788	11,256	0	0	0	11,256
Feb.	0	0	3,806	0	538	0	0	0	0	0	0	6,196	355	1,861	10,300	23,056	0	0	0	23,056
Mar.	0	0	1,182	0	293	0	0	0	0	0	0	2,855	180	1,204	6,266	11,980	0	0	0	11,980
Apr.	0	0	1,676	0	241	0	0	149	118	0	0	6,235	0	6,057	7,689	22,165	0	0	0	22,165
May	0	0	1,136	0	239	0	0	559	525	0	0	1,770	0	2,794	7,500	14,603	0	175	175	14,778
Jun.	0	0	0	0	270	0	0	0	0	0	0	598	0	5,901	12,394	19,163	0	0	0	19,163
Jul.	0	0	2,069	0	1,016	0	0	0	24	0	0	2,978	0	1,390	14,142	21,619	0	120	120	21,739
Aug.	0	0	2,692	0	3,856	0	0	0	0	0	0	2,722	0	2,933	13,952	26,155	0	525	525	26,680
Sep.	0	0	0	0	1,716	306	38	0	402	0	0	5,894	0	858	8,336	17,550	0	300	300	17,850
Oct.	0	0	66	0	927	32	0	0	0	0	0	6,758	0	38	9,478	17,299	0	335	335	17,634
Nov.	0	0	1,028	0	2,465	0	0	0	0	0	0	7,101	0	292	11,076	21,962	0	0	0	21,962
Dec.	0	0	4,484	0	4,509	0	0	14	0	0	0	2,486	0	279	12,549	24,321	0	400	400	24,721
Total	0	0	18,158	0	16,070	332	22	722	1,022	0	0	51,941	535	24,708	117,550	231,129	0	1,855	1,855	232,984

Table 6. Ex-vessel value (\$) of each species landed commercially from Gulf of Mexico grid area 17.0 during calendar year 1982. Data based on NEPR.

Month	Finfish										Shellfish			Grand Total					
	Red drum	Spotted seatrout	Black drum	Sand seatrout	Flounder	Atlantic croaker	Gafftopanil catfish	Sheepshead	Whiting	Mullet	Florida pompano	Unclassified Food Scrap	Cobia		Crouper	Snapper	Total	Blue crabs	Squid
Jan.	0	0	0	0	123	0	0	16	44	0	0	0	0	0	0	183	0	0	183
Feb.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mar.	0	0	0	0	144	0	0	197	74	0	0	0	0	0	0	415	328	0	328
Apr.	0	0	0	0	63	0	0	57	28	0	0	0	0	0	0	148	0	0	148
May	0	0	14	0	10	9	6	3	7	0	0	15	0	0	0	64	24	0	88
Jun.	0	0	0	0	111	0	2	8	15	0	0	11	0	0	0	147	0	0	147
Jul.	0	0	0	0	54	0	0	4	30	0	0	0	0	0	0	94	0	0	94
Aug.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sep.	0	0	0	0	62	0	0	0	32	0	0	0	0	0	0	94	0	0	94
Oct.	0	0	0	0	118	0	0	11	18	0	0	0	0	0	0	147	0	0	147
Nov.	0	0	0	0	1,526	0	0	6	45	0	0	0	0	0	0	1,577	0	46	1,623
Dec.	0	0	7	0	25	0	0	0	22	0	0	0	0	0	0	54	390	0	444
Total	0	0	21	0	2,236	9	8	302	315	0	0	26	0	0	0	2,917	742	46	3,705

Table 7. Ex-vessel value (\$) of each species landed commercially from Gulf of Mexico grid area 18.0 during calendar year 1982. Data based on NEPR.

Month	Finfish										Shellfish			Grand Total					
	Red drum	Spotted seatrout	Black drum	Sand seatrout	Flounder	Atlantic croaker	Gafftopanil catfish	Sheepshead	Whiting	Mullet	Florida pompano	Unclassified Food Scrap	Cobia		Crouper	Snapper	Total	Blue crabs	Squid
Jan.	0	0	0	0	319	0	0	431	95	0	0	0	0	72	4,651	5,588	0	0	5,588
Feb.	0	0	197	0	684	0	0	318	92	0	0	22	0	69	2,303	3,685	0	0	3,685
Mar.	0	0	51	0	614	0	0	154	30	0	0	171	0	45	678	1,774	0	0	1,774
Apr.	0	0	41	0	728	0	143	74	106	0	0	245	0	1,080	6,441	8,878	0	0	8,878
May	0	0	53	0	1,001	0	144	0	217	0	0	129	0	320	14,308	16,258	0	0	16,258
Jun.	0	0	0	0	135	0	0	7	0	0	0	0	1,745	79	32,111	34,077	0	126	34,203
Jul.	0	0	0	2	2,503	0	133	16	730	30	0	9	2,584	1,460	23,873	31,340	48	299	31,687
Aug.	0	0	1,360	0	1,145	0	55	486	590	308	0	0	0	1,413	25,324	30,681	0	85	30,766
Sep.	0	0	0	0	3,999	0	0	304	41	100	0	1,287	0	176	7,307	13,381	0	48	13,429
Oct.	0	0	136	0	17,664	0	0	1,092	1,582	48	68	1,113	0	208	25,352	51,611	0	0	51,611
Nov.	0	0	34	0	17,318	0	0	5	518	0	0	57	104	35	11,757	29,828	0	0	29,828
Dec.	0	0	34	0	2,085	0	0	1,363	114	0	0	99	0	412	14,864	18,991	0	0	18,991
Total	0	0	1,906	2	48,195	0	475	4,290	4,115	486	68	3,152	0	5,369	168,969	246,092	48	558	246,608

Table 10. Ex-vessel value (\$) of each species landed commercially from Gulf of Mexico grid area 21.0 during calendar year 1982. Data based on HCRP.

Month	Finfish										Shellfish			Grand Total						
	Red drum	Spotted seatrout	Black drum	Sand seatrout	Flounder	Atlantic croaker	Gafftopsail catfish	Sheepshead	Whiting	Mullet	Florida pompano	Unclassified Food Scrap	Cobia		Crouper	Snapper	Total	Blue crabs	Squid	Total
Jan.	0	0	8	0	0	0	0	0	0	0	0	1,270	0	606	7,765	9,649	0	0	0	9,649
Feb.	0	0	1,534	0	333	0	0	0	0	0	0	929	36	744	20,084	23,660	0	0	0	23,660
Mar.	0	0	298	0	179	0	0	0	0	0	0	999	36	639	12,109	14,260	0	0	0	14,260
Apr.	0	0	419	0	179	0	0	30	24	0	0	2,182	0	3,763	16,211	21,808	0	0	0	22,808
May	0	0	284	0	140	0	0	112	26	0	0	444	0	1,883	15,645	18,534	0	35	35	18,569
Jun.	0	0	0	0	324	0	0	0	0	0	0	210	0	8,383	25,561	34,478	0	0	0	34,478
Jul.	0	0	931	0	1,060	0	0	0	7	0	0	596	0	866	29,545	33,005	0	60	60	33,065
Aug.	0	0	1,223	0	4,392	0	0	0	0	0	0	681	0	2,434	27,206	35,936	0	105	105	36,041
Sep.	0	0	0	0	1,746	46	8	0	60	0	0	1,768	0	674	15,868	20,170	0	60	60	20,230
Oct.	0	0	33	0	881	8	0	0	0	0	0	2,027	0	10	17,849	20,808	0	50	50	20,858
Nov.	0	0	463	0	1,660	0	0	0	0	0	0	1,065	0	102	19,692	22,982	0	0	0	22,982
Dec.	0	0	1,096	0	2,279	0	0	1	0	0	0	372	0	153	19,869	23,770	0	80	80	23,850
Total	0	0	6,289	0	13,173	54	8	143	117	0	0	12,543	72	20,257	227,404	280,060	0	390	390	280,450

Appendix F. Total monthly commercial shrimp landings (lb) and ex-vessel value (\$) from the Gulf of Mexico during calendar year 1982.

Table 1. Weight (lb) of each shrimp species (heads on) landed commercially from the Gulf of Mexico during calendar year 1982. Data based on MMPR.

Month	Brown and Pink	White	Other	Total
Jan.	1,489,419	160,613	196,587	1,846,619
Feb.	1,566,923	342,367	80,932	1,990,222
Mar.	667,934	471,554	8,622	1,148,110
Apr.	511,284	392,274	0	903,558
May	1,727,034	805,179	0	2,532,213
Jun.	2,320,537	530,952	0	2,851,489
Jul.	12,359,733	434,825	0	12,794,558
Aug.	9,431,170	326,666	0	9,757,836
Sep.	5,400,461	1,279,481	9,383	6,688,325
Oct.	3,882,658	2,849,999	262,056	6,994,713
Nov.	2,948,493	2,139,140	479,068	5,566,701
Dec.	2,243,309	1,120,232	173,948	3,537,489
Total	44,548,955	10,852,282	1,210,596	56,611,833

NOTES: 1) Gulf of Mexico shrimp landings at Texas ports as reported to TPWD by the Division of Statistics-Market News, 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 by (NMFS, Division of Statistics-Market News, Galveston) are preliminary. Upon receipt of accurate landings from NMFS subsequent reports will be revised to reflect the correct Texas shrimp landings.

Table 2. Ex-vessel value (\$) of each shrimp species (heads on) landed commercially from the Gulf of Mexico during calendar year 1982. Data based on MMPR.

Month	Brown and Pink	White	Other	Total
Jan.	4,491,095	405,308	68,992	4,965,395
Feb.	5,266,852	631,645	33,182	5,931,679
Mar.	2,310,785	1,133,576	4,236	3,448,597
Apr.	1,723,848	1,237,149	0	2,960,997
May	5,468,130	3,025,508	0	8,493,638
Jun.	4,832,771	1,851,213	0	6,683,984
Jul.	27,806,173	1,598,327	0	29,404,500
Aug.	26,277,953	1,082,944	0	27,360,897
Sep.	17,938,656	3,761,859	4,118	21,704,633
Oct.	12,272,245	8,120,290	105,072	20,497,607
Nov.	9,825,300	5,499,316	208,315	15,532,931
Dec.	7,823,496	2,453,767	80,245	10,357,508
Total	126,037,304	30,800,902	504,160	157,342,366

NOTES: 1) Gulf of Mexico shrimp landings at Texas ports as reported to TPWD by the Division of Statistics-Market News, 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 by (NMFS, Division of Statistics-Market News, Galveston) are preliminary. Upon receipt of accurate landings from NMFS subsequent reports will be revised to reflect the correct Texas shrimp landings.

Appendix G. Weight (lb) and ex-vessel value (\$) of commercial landings of oyster meat from private oyster leases in Texas bays during calendar years 1977-1982.

Table 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 1977-1982. Data based on annual Oyster Location Lease reports of private oyster lease holders.

Year	Total number of leases	Total leased acreage	Total weight	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

Appendix H. Number of commercial licenses sold in Texas in each fiscal year from 1956 through 1982.

Table 1. Number of commercial dealer licenses sold in Texas in each fiscal year from 1956 through 1982. (The sale of a license occurs when money is received in Austin).

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

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

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

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

Table 2. Number of commercial saltwater fishermen licenses sold in Texas in each fiscal year from 1956 through 1981. (The sale of a license occurs when money is received in Austin).

Fiscal year	General					Finfish								
	Tidal water	Red drum	Resident ^a	Non-resident ^b	Vessel (captain) & crew									
					1	2	3	4	Resident	Non-resident ^b	Menhaden only	Import		
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			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	0	0	13,468	3,990	2,697			362	16	0				336

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

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

Table 3. Number of commercial saltwater fishing gear licenses sold in Texas in each fiscal year from 1956 through 1982. (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

Table 4. Number of commercial saltwater boat and vessel licenses sold in Texas in each fiscal year from 1956 through 1981. (The sale of a license occurs when money is received in Austin).

Fiscal year	Fishing boat	Fishing boat (menhaden only)	Gulf shrimp	Bay shrimp	Bay-bait shrimp boat	Bay 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	5	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

PWD Report 3000-168
December 1983