

Trends in Texas Commercial Fishery Landings, 1972-1991

by
Page Campbell, Ted Storck,
Vanenise Price and
Lance Robinson

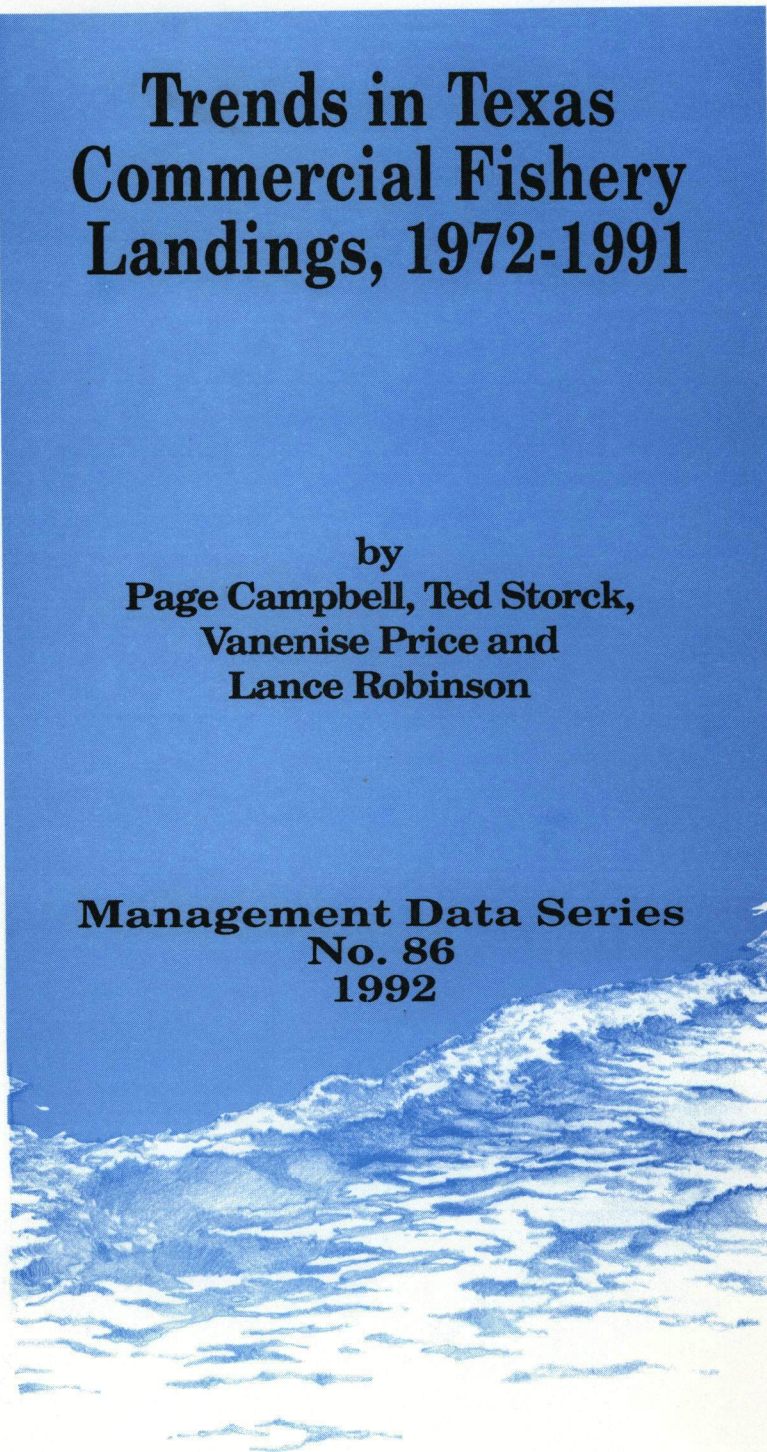
Management Data Series
No. 86
1992



TEXAS
PARKS & WILDLIFE
DEPARTMENT

FISHERIES & WILDLIFE
DIVISION

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Austin, Texas 78744



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ABSTRACT

This report summarizes annual commercial landings and ex-vessel value statistics of finfish and shellfish harvested from Texas bays and the Gulf of Mexico off Texas. Seafood dealers submitted monthly reports of purchases of shrimp, finfish, crabs, and oysters to either Texas Parks and Wildlife Department or National Marine Fisheries Service. These landings and value data for individual species groups are summarized according to bay system or Gulf area from which the product was taken and by month landed. Total coastwide landings in 1991 were more than 102 million pounds and ex-vessel value was over \$199 million. These values were 11% and 19%, respectively, below the record values of 1986.

Shrimp accounted for 89% of the weight and 94% of ex-vessel value of all seafood landed in calendar year 1991. During 1991 blue crabs, Eastern oysters and finfish made up 6%, 3%, and 2% of total landings, respectively, and 1%, 4%, and 1% of the total ex-vessel value, respectively. Compared to 1990 prices, the 1991 average unit price for shrimp increased; the unit prices of blue crabs did not change, while the unit price of Eastern oysters decreased 22%. Finfish unit prices generally declined.

INTRODUCTION

Gulland (1977) emphasized the importance to the fishery manager of knowing the landings of a marine resource. Landings data from both recreational and commercial fishermen are required to assess the needs for and the impacts of saltwater fishing regulations. Economic and sociologic information can also be inferred from landings data to allow for management based on the concept of optimum sustainable yield (Radovich 1975). Annual recreational fish landings in Texas have been estimated since 1974 based on on-site interviews at fishing access sites (Green et al. 1991).

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

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

This report summarizes the landings and ex-vessel value of seafood purchased from commercial fishermen by seafood dealers and reported to TPWD, and landings and ex-vessel value data collected by NMFS, from 1972 through 1991.

MATERIALS AND METHODS

Licensed seafood dealers were required to complete an MMPR each month, listing the total weight and price paid for each species purchased from commercial fishermen (Table 1). An MMPR from each dealer, detailing the preceding month's transactions, was due at a TPWD office on or before the 10th day of each month. The Division of Statistics-Market News, NMFS, collected shrimp and menhaden landings and value data. Shrimp landings reported on MMPR's were provided to NMFS and landings of shrimp, finfish and other seafood products gathered by NMFS were provided to TPWD. Finfish landings collected by NMFS but not purchased or handled by licensed seafood dealers are not included in this report. Commercial fishermen fishing in 1991 were subject to the fishing regulations listed in Table 2.

All MMPR's were checked for completeness by TPWD personnel. If errors were suspected, the submitting dealer was contacted to verify the accuracy of the data. Except for Eastern oysters (Crassostrea virginica) all seafood products not reported in live weight by dealers were converted to live weight (round weight) using conversion factors listed in Appendix A. Eastern oyster landings were converted to meat weight (Appendix A, Table A.3).

Landings of Eastern oysters from leases were reported by leaseholders through MMPR's, monthly landings forms submitted to the Seabrook office of TPWD and annual summary forms submitted to the Austin Headquarters of TPWD. In the case of discrepancies between monthly and annual summaries, the highest values for landings were used.

Gulf shrimp landed at Texas ports and reported to TPWD by the Division of Statistics-Market News, NMFS, may include shrimp harvested from the waters of other states or from areas outside the territorial waters of the U.S. in addition to those from Texas waters. NMFS reports shrimp landings from statistical grid zones along the entire U.S. Gulf coast, including Texas, in their publication Gulf Coast Shrimp Data. Gulf shrimp landings in this report are pooled for all grid zones off Texas.

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

RESULTS

During the 20-year period of 1972-91 more than 1.9 billion pounds of seafood products valued at over \$3.1 billion were reported harvested from Texas bays and the Gulf of Mexico, and landed in Texas (Tables 3-16). Total landings fluctuated irregularly during that interval, while ex-vessel value generally increased through 1986 (Figure 3). Long term trends in landings and ex-vessel value of shrimp, crabs, oysters and finfish are presented in Figures 4, 5, 6 and 7.

During the interval 1987-1991, brown shrimp (Penaeus aztecus), pink shrimp (P. duorarum), and white shrimp (P. setiferus), represented approximately 82% of the total coastwide bay and Gulf landings by weight and 92% of total ex-vessel value (Figure 8). Blue crabs (Callinectes sapidus), represented 9% of total landings and 2% of ex-vessel value. Eastern oysters represented 2% of total landings and 3% of ex-vessel value. Finfish collectively represented 3% of total landings and 2% of ex-vessel value. Gulf landings constituted 67% of total landings and 81% of total ex-vessel value.

A comparison of landings among bay systems for the interval 1987 through 1991, indicates that landings from the Galveston Bay system equalled or exceeded all others for every product group except brown and pink shrimp and blue crabs (Figures 9 and 10). Shrimp and blue crabs were landed predominantly from the Galveston, Matagorda, San Antonio and Aransas bay systems. Landings of Eastern oysters were highest in the Galveston, Matagorda

and San Antonio bay systems. Finfish were landed predominantly from the Galveston, Corpus Christi, upper and lower Laguna Madre bay systems (Figure 10). A comparison of the distribution of finfish landings among Gulf grid zones during the same interval indicates that landings were greatest in grid zone 18.

During the last five years (1987-1991), mean price per pound paid to commercial fishermen for black drum, flounder, and sheepshead generally increased through 1990 and declined in 1991 (Table 17). Snapper prices, in contrast, have been more variable but increased in 1991. Prices paid for brown and pink shrimp, white shrimp and blue crabs have fluctuated moderately but have not shown a general increase (Table 18). Price per pound of Eastern oysters also has fluctuated during this interval. Compared to 1990 prices, the average 1991 unit price for shrimp increased; the unit price of blue crabs and other shellfish did not change, while the unit price of Eastern oysters decreased 22%.

Annual summaries of landings and ex-vessel value by bay system and Gulf grid zone are presented in Appendices B and C. Monthly summaries of 1991 landings and ex-vessel values for Texas bay systems and for Gulf grid zones off Texas are presented in Appendices D and E, respectively.

Annual weight and ex-vessel value of menhaden (*Brevoortia* sp.) caught off Texas but landed commercially in Louisiana during 1977-1991 are presented in Appendix F. During that 15-year period, landings and ex-vessel value of menhaden have fluctuated substantially but a long-term upward or downward trend is not indicated.

The volume of Eastern oysters transplanted annually to private oyster leases in Texas Bays, and the weight and ex-vessel value of oysters harvested annually from leases from 1977 to 1991 are presented in Appendix G. The number of leases and total acreage leased have remained relatively constant since 1979 while total weight landed and ex-vessel value have fluctuated widely among years. During 1991, 902,615 pounds of meat valued at \$2,579,700 were landed in Texas from oyster leases.

The number of commercial licenses sold in Texas in each fiscal year (September-August) from 1956 to 1991 are presented in Appendix H. During the last five years (1987-1991), the number of retail fish dealer licenses has declined each year; the number of wholesale dealer licenses has fluctuated but has not shown an increasing or decreasing trend.

DISCUSSION

Commercial fishing continues to be an important industry in Texas. Approximately 102 million pounds of seafood with an ex-vessel value of \$199 million were reported for 1991. Using an approximate expansion factor of three (Grubb 1973), the total economic impact of this industry at the wholesale level in Texas approximates one-half billion dollars annually. This expansion does not include over 75 million pounds of menhaden worth over \$3.6 million (ex-vessel) caught in 1991 off Texas but landed in Louisiana.

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

Although dealer reports have been used to determine relative commercial seafood landings, several assumptions must be made. In particular, the amount of inaccurate or incomplete reporting is unknown and must be considered constant when making temporal or spatial comparisons. Different reporting requirements can affect the amount of non-reporting, and thus estimates of relative abundance based on reported landings (Green and Thompson 1981). The problem of non-reporting by seafood dealers is seldom considered by fisheries managers when using commercial landings data as the basis for management decisions (Cushing 1970).

Deficiencies in reporting requirements and enforcement also affect the utility of commercial landings data. The 72nd Legislature enacted legislation, effective 1 September 1991, which increased the maximum penalty to \$500 and possible license forfeiture for failing to file a required report (Anonymous 1991). Present Texas law, however, does not require all commercial landings to be reported. Unlicensed consumers who purchase seafood products directly from commercial fishermen without the intent to resell the products are exempt from reporting. Marine products harvested by licensed commercial fishermen and sold to a licensed bait or seafood dealer and sold as bait were not reportable until September 1991. Marine products harvested by licensed commercial fishermen and sold directly to a restaurant owner, operator or employee for consumption by the restaurant's patrons on the restaurant's premises are not reportable. Another deficiency in the present reporting system is that the MMPR's do not provide estimates of commercial fishing effort by gear type for each species landed. These deficiencies may limit the use of these commercial data for fisheries management purposes.

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

<u>Common name</u>	<u>Scientific name*</u>
FINFISH	
Alligator gar	<u>Lepisosteus spatula</u>
Atlantic croaker	<u>Micropogonias undulatus</u>
Atlantic cutlassfish	<u>Trichiurus lepturus</u>
Atlantic moonfish	<u>Selene setapinnis</u>
Atlantic spadefish	<u>Chaetodipterus faber</u>
Black drum	<u>Pogonias cromis</u>
Bluefish	<u>Pomatomus saltatrix</u>
Blue runner	<u>Caranx crysos</u>
Cobia	<u>Rachycentron canadum</u>
Codfish	Family Gadidae
Crevalle jack	<u>Caranx hippos</u>
Cusk eel	Family Ophidiidae
Dolphin	<u>Coryphaena hippurus</u>
Flounder	
Gulf flounder	<u>Paralichthys albigutta</u>
Southern flounder	<u>Paralichthys lethostigma</u>
Florida pompano	<u>Trachinotus carolinus</u>
Gafftopsail catfish	<u>Bagre marinus</u>
Great barracuda	<u>Sphyrna barracuda</u>
Greater amberjack	<u>Seriola dumerili</u>
Grouper	
Black grouper	<u>Mycteroperca bonasi</u>
Jewfish	<u>Epinephelus itajara</u>
Nassau grouper	<u>Epinephelus striatus</u>
Scamp	<u>Mycteroperca phenax</u>
Warsaw grouper	<u>Epinephelus nigritus</u>
Yellowedge grouper	<u>Epinephelus flavolimbatus</u>
Yellowfin grouper	<u>Mycteroperca venenosa</u>
Yellowmouth grouper	<u>Mycteroperca interstitialis</u>
Gulf butterflyfish	<u>Peprilus burti</u>
Herrings	Family Clupeidae
Kingfish	
Gulf kingfish	<u>Menticirrhus littoralis</u>
Southern kingfish	<u>Menticirrhus americanus</u>
Mackerel	
King mackerel	<u>Scomberomorus cavalla</u>
Spanish mackerel	<u>Scomberomorus maculatus</u>
Menhaden	<u>Brevoortia sp.</u>

Table 1. (Cont'd.)

<u>Common name</u>	<u>Scientific name*</u>
FINFISH (Cont'd.)	
Mullet	
Striped mullet	<u>Mugil cephalus</u>
White mullet	<u>Mugil curema</u>
Pinfish	<u>Lagodon rhomboides</u>
Pigfish	<u>Orthopristis chrysoptera</u>
Porgies	Family Sparidae
Red drum	<u>Sciaenops ocellatus</u>
Seatrout	
Sand seatrout	<u>Cynoscion arenarius</u>
Silver seatrout	<u>Cynoscion nothus</u>
Spotted seatrout	<u>Cynoscion nebulosus</u>
Shark	
Atlantic sharpnose	<u>Rhizoprionodon terraenovae</u>
Blacktip	<u>Carcharhinus limbatus</u>
Bull	<u>Carcharhinus leucas</u>
Greater hammerhead	<u>Sphyrna mokarran</u>
Shortfin mako	<u>Isurus oxyrinchus</u>
Sheepshead	<u>Archosargus probatocephalus</u>
Snake eel	Family Ophichthidae
Snapper	
Lane snapper	<u>Lutjanus synagris</u>
Red snapper	<u>Lutjanus campechanus</u>
Vermillion snapper	<u>Rhomboplites aurorubens</u>
Yellowtail snapper	<u>Ocyurus chrysurus</u>
Snook	Family Centropomidae
Stingray	Family Dasyatidae
Swordfish	<u>Xiphias gladius</u>
Tilefish	<u>Lopholatilus chamaeleonticeps</u>
Triggerfish, gray	<u>Balistes capriscus</u>
Tuna	
Atlantic bonita	<u>Sarda sarda</u>
Blackfin	<u>Thunnus atlanticus</u>
Little	<u>Euthynnus alletteratus</u>
Yellowfin	<u>Thunnus albacares</u>
Wahoo	<u>Acanthocybium solanderi</u>

Table 1. (Cont'd.)

<u>Common name</u>	<u>Scientific name^a</u>
SHELLFISH	
Atlantic bay scallop	<u>Argopecten irradians</u>
Crab	
Blue crab	<u>Callinectes sapidus</u>
Stone crab	<u>Menippe adina</u>
Oyster	
Eastern oyster	<u>Crassostrea virginica</u>
Lobster	
Shovelnose	Family Scyllaridae
Spiny	<u>Panulirus argus</u>
Shrimp	
Mantis shrimp	<u>Squilla empusa</u>
Brown shrimp	<u>Penaeus aztecus</u>
White shrimp	<u>Penaeus setiferus</u>
Pink shrimp	<u>Penaeus duorarum</u>
Other shrimp	
Rock shrimp	<u>Sicyonia brevirostris</u>
Royal red shrimp	<u>Hymenopenaeus robustus</u>
Seabob	<u>Xiphopeneus kroyeri</u>
Squid	
Brief squid	<u>Lolliguncula brevis</u>
Long-finned squid	<u>Loligo pealei</u>

^aScientific names taken from Robins et al. (1980), Christmas and Etzold (1977), Hofstetter (1977), Leary (1967) and Rathjen (1973).

Table 2. Summary of commercial fishing seasons in Texas marine waters during 1991.

Organism	Method	Location	Product	Season	Time*	Exceptions
Shrimp	Trawl	Bait and major bays	Bait ^b	All year	Day ^d	2:00 p.m. closure (15 May-15 July). Night trawling permitted in Laguna Madre only
	Trawl	Major bays	All ^b	15 May-15 Jul	Day ^d	2:00 pm closure.
	Trawl	Major bays south of Colorado River	All ^b	15 Aug-15 Dec	Night ^e	None.
Crabs	Trawl	Gulf (0-7 fathoms)	All ^b	All year	Day ^d	Trawling prohibited from 15 May to 15 Jul inclusive, and 16 Dec to 1 Feb, inclusive.
	Trawl	Gulf (>7 fathoms)	All ^b	All year	24 h	Trawling prohibited from 15 May to 15 Jul, inclusive.
Oysters	Trap, trawl, net, hook, and line	Bays ^c , Gulf ^c	All	All year	24 h	None.
	Dredge	Bays ^c	Market oysters	1 Nov-30 Apr	Day ^d	Seasons may be modified by Texas Department of Health and/or Texas Parks and Wildlife Department. For the area South of the Fort Mansfield Channel and all private leases with permits, there is no closed season
Finfish	Perch trap	Bays ^c , Gulf ^c	Bait	All year	24 h	None.
	Trotline	Bays ^c	All ^b	All year	24 h	All gear must be removed from water between 1 p.m. Friday and 1 p.m. Sunday
	Purse seine	Gulf ^c	All ^b	Apr-Oct ^c	24 h	Legal in Gulf waters adjacent to all coastal counties, but prohibited within 1/2 mile of any shoreline or within 1 mile of any pass.

Restrictions and Definitions:

- *Gear fishing time.
- ^bRed drum and spotted seatrout excluded.
- ^cNight is defined as the time between 30 min. after sunset and 30 min. before sunrise.
- ^dDay is defined as the time between 30 min. before sunrise and 30 min after sunset.

^ePermitted in designated portions of bays.
^fPermitted in Gulf waters with restrictions.
^gNetting permitted from third Monday in Apr until Friday after second Tuesday in Oct.

Table 3. Texas commercial finfish and shellfish landings (lb x 1,000), 1972-1991.

Year	Finfish						Shellfish						Total	Grand Total	
	Black drum	Flounder	Sheeps-head	Sturgeon	Other ^a	Total	Brown and Pink	White	Other	Total	Blue Crab	Eastern Oyster			Other ^b
1972	1,164.9	453.8	237.4	1,258.0	3,661.9	6,755.9	79,909.1	18,218.3	13.2	98,140.6	6,464.4	3,917.2	5.4	108,527.5	115,283.5
1973	1,207.9	341.9	269.4	781.4	4,672.4	7,273.1	60,142.0	22,953.1	1,025.0	84,120.0	6,881.1	1,927.2	5.4	92,933.8	100,286.9
1974	1,356.8	507.1	369.8	742.9	4,985.3	7,962.0	58,983.5	17,785.5	1,437.3	78,206.3	6,087.6	1,243.7	14.9	85,552.6	93,514.6
1975	1,171.6	492.6	318.8	627.4	5,017.2	7,627.6	55,142.8	14,619.9	746.1	70,508.8	5,991.5	1,756.0	6.5	78,262.9	85,890.4
1976	2,090.6	434.5	379.0	495.1	4,699.4	8,098.6	58,550.8	15,492.3	363.3	74,406.3	6,648.4	3,880.7	20.3	84,975.7	9,3076.3
1977	1,453.5	310.9	293.9	440.0	2,795.7	5,294.1	71,897.5	19,420.2	260.3	91,578.0	8,248.6	2,600.5	13.8	102,440.9	107,734.9
1978	1,785.5	237.1	327.9	388.3	2,447.7	5,186.4	62,329.7	21,464.7	332.3	84,126.7	7,469.6	1,907.0	15.5	95,518.8	98,785.2
1979	1,531.4	232.4	406.1	214.7	2,163.7	4,548.3	50,459.3	16,474.2	719.2	67,652.7	8,311.5	888.8	0.9	76,853.9	81,482.2
1980	1,058.4	194.9	473.5	231.6	2,392.6	4,351.1	58,332.0	14,235.3	1,330.2	73,897.6	8,953.0	1,738.5	0.0	84,589.0	88,948.1
1981	643.8	130.4	202.8	165.9	1,513.5	2,676.5	78,494.0	16,160.5	1,075.7	95,730.2	6,952.0	1,306.6	0.0	103,988.8	106,465.3
1982	1,249.0	535.9	322.4	369.6	524.1	3,000.9	51,386.4	18,288.1	1,211.1	70,885.6	8,009.9	3,433.1	13.4	82,542.0	85,543.0
1983	1,492.8	474.3	275.9	261.9	425.6	2,930.5	50,707.3	20,369.5	916.9	71,993.6	8,829.1	7,940.7	7.8	88,771.3	91,701.9
1984	900.2	380.1	179.2	452.2	367.1	2,278.8	62,051.7	27,952.1	232.5	90,236.3	7,228.6	5,167.7	46.0	102,678.6	104,957.4
1985	643.9	443.5	183.2	643.5	1,258.8	3,192.9	57,432.1	24,202.3	606.1	82,240.5	9,722.0	5,133.9	171.7	97,268.1	100,461.0
1986	588.0	540.3	131.2	917.7	1,102.6	3,299.8	67,782.6	27,478.2	1,743.2	97,004.0	9,481.9	5,649.3	199.5	112,334.7	115,434.5
1987	858.7	551.3	132.9	701.5	1,147.5	3,391.8	68,726.4	19,652.9	5,123.6	93,502.9	11,688.5	2,897.1	122.7	108,211.1	111,402.9
1988	739.1	273.8	168.1	806.8	1,879.0	3,866.8	58,874.5	16,510.3	4,670.6	80,055.3	10,428.2	2,269.6	309.1	95,042.2	96,929.0
1989	610.9	154.2	42.0	589.1	1,069.8	2,466.0	62,453.9	10,850.3	3,807.6	77,111.8	9,066.2	1,979.9	202.0	88,360.0	90,826.0
1990	688.0	144.0	28.4	549.8	728.0	2,138.2	65,245.3	18,955.3	2,376.6	86,577.4	8,598.7	1,895.0	235.9	97,306.9	99,445.2
1991	665.8	275.6	25.9	370.4	549.0	1,886.7	70,744.4	18,477.2	1,885.6	91,107.2	6,123.2	2,988.2	358.1	100,576.7	102,463.5

^aOther finfish listed in Tables 7 and 13.
^bOther shellfish listed in Tables 9 and 15.

Table 4. Texas commercial finfish and shellfish ex-vessel value (\$ x 1,000), 1972-1991.

Year	Finfish						Shellfish						Grand Total		
	Black drum	Flounder	Sheepshead	Shrimp	Crab		Total	Blue crab	Eastern oyster	Other*	Total				
					Brown and pink	White									
1972	135.4	119.7	19.6	572.0	881.7	1,728.5	65,049.4	15,419.6	1.1	80,470.1	652.6	2,486.6	0.8	83,810.1	85,538.6
1973	154.3	105.3	24.5	401.5	1,270.2	1,955.8	65,002.0	22,864.2	272.3	88,138.5	830.4	1,812.6	0.8	90,782.3	92,738.1
1974	221.4	149.0	26.5	415.8	1,348.9	2,161.5	51,370.6	16,031.9	341.8	67,744.3	832.4	1,115.8	2.7	69,695.1	71,856.7
1975	207.7	176.0	27.2	393.4	1,611.3	2,415.8	71,180.3	16,132.4	151.7	87,464.4	947.7	1,392.0	1.4	89,805.6	92,221.3
1976	508.8	179.8	41.3	353.1	1,808.1	2,891.1	95,881.2	23,440.5	67.7	119,389.4	1,179.3	3,200.2	4.6	123,773.5	126,664.6
1977	399.8	170.8	28.8	420.9	1,318.8	2,339.0	100,815.9	24,627.2	235.2	125,678.2	1,946.7	2,991.7	4.1	130,620.8	132,999.9
1978	607.5	175.1	39.2	403.5	1,447.5	2,670.9	101,798.7	38,837.6	344.6	140,980.8	2,003.8	2,205.6	4.4	145,194.7	147,865.6
1979	602.3	190.0	55.7	261.5	1,538.6	2,648.3	117,237.2	34,687.5	381.0	152,305.8	2,146.0	1,048.7	0.2	153,500.7	158,149.8
1980	539.7	153.7	66.5	351.3	2,044.5	3,155.6	113,972.9	25,637.8	433.2	140,043.8	2,455.8	2,692.3	0.0	145,192.0	148,347.7
1981	378.1	138.2	42.0	267.8	1,487.4	2,313.5	133,224.9	31,774.9	317.9	165,319.8	1,928.5	2,028.5	0.0	169,276.8	171,590.3
1982	782.5	521.4	79.6	669.2	1,366.8	2,189.5	131,658.5	43,724.9	504.4	175,887.7	2,375.1	5,313.7	5.0	183,581.5	185,771.0
1983	971.0	445.6	65.9	303.5	1,181.5	1,984.5	125,430.4	45,682.8	330.7	171,443.8	3,250.2	11,336.7	3.3	186,034.0	188,018.5
1984	449.3	351.0	36.8	818.3	1,191.5	1,774.9	125,724.7	53,607.1	196.5	179,530.2	2,252.4	8,308.7	22.9	190,114.3	191,889.2
1985	427.3	445.2	41.1	1,242.4	555.8	2,711.9	113,421.2	47,796.6	164.9	161,382.7	3,309.7	8,754.8	127.7	173,574.9	176,286.8
1986	411.2	540.2	35.6	1,711.2	901.3	3,599.5	167,301.9	60,860.2	925.6	229,110.1	3,170.5	10,486.8	106.8	242,874.3	246,473.7
1987	598.0	538.8	37.8	1,313.9	1,122.2	3,610.7	144,691.3	37,611.8	3,647.3	185,950.5	4,473.9	6,891.4	57.6	197,373.4	200,984.1
1988	565.7	337.5	47.6	1,563.1	2,034.6	4,548.6	130,497.7	33,872.1	2,546.4	166,916.2	4,325.8	5,669.6	154.4	177,066.1	181,614.7
1989	474.6	187.1	12.6	1,185.6	1,168.5	3,028.3	119,761.7	22,325.7	2,018.2	144,105.6	3,946.3	4,903.9	132.0	153,087.8	156,116.1
1990	610.6	181.0	9.7	989.1	676.5	2,466.9	124,811.6	39,193.5	1,080.5	165,085.6	3,305.2	5,847.9	147.9	174,386.6	176,853.5
1991	512.4	319.2	8.0	687.8	602.7	2,130.1	145,594.8	41,224.8	837.1	187,656.7	2,271.5	7,223.3	207.1	197,358.5	199,488.6

*Other finfish listed in Tables 8 and 14.
*Other shellfish listed in Tables 10 and 16.

Table 5. Weight (lb x 1,000) of each species landed commercially from Texas bay systems, 1972-1991.

Year	Finfish										Shellfish					Grand Total
	Black drum	Flounder	Sheepshead	Mullet			Total	Shrimp			Blue crab	Eastern oyster	Other ^a	Total		
				Flounder	Sheepshead	Other ^a		Brown and Pink	White	Other ^a						
1972	1,119.7	121.9	155.9	73.6	2,840.3	4,311.4	1,856.5	6,366.9	0.0	8,223.4	6,450.0	3,917.2	2.7	18,593.2	22,906.6	
1973	1,143.2	92.7	206.6	105.7	3,268.2	4,816.4	4,480.5	9,830.1	0.0	14,310.5	6,713.1	1,927.2	2.9	22,953.8	27,770.1	
1974	1,289.4	187.7	296.3	30.5	3,762.6	5,566.4	2,311.5	4,302.5	0.2	6,614.1	6,047.6	1,243.7	4.5	13,910.0	19,476.4	
1975	1,109.1	239.3	272.5	34.1	3,958.7	5,613.7	2,826.3	5,705.3	0.0	8,531.6	5,951.7	1,756.0	2.3	16,241.7	21,855.5	
1976	1,990.5	251.1	325.3	30.2	3,943.4	6,548.6	4,179.5	6,098.4	0.0	10,277.9	6,648.1	3,880.7	12.1	20,818.8	27,367.4	
1977	1,390.7	210.4	260.0	7.8	2,423.7	4,292.7	4,711.1	9,391.4	1.6	14,104.1	8,237.4	2,600.5	5.3	24,947.3	29,240.8	
1978	1,752.3	192.6	317.0	8.1	2,185.7	4,455.7	5,089.4	8,293.2	0.0	13,382.6	7,467.8	1,907.0	4.3	22,761.7	27,217.3	
1979	1,504.7	206.8	383.5	82.5	1,778.1	3,955.5	7,194.3	8,027.7	0.0	15,222.1	8,311.0	888.8	0.3	24,422.1	28,377.6	
1980	1,047.2	149.8	466.4	87.3	2,179.6	3,930.3	8,031.4	6,813.2	4.7	14,849.2	8,949.3	1,738.5	0.0	25,537.1	29,467.4	
1981	649.5	101.8	193.7	85.2	1,278.8	2,309.1	7,156.3	6,096.0	0.0	13,252.3	6,945.6	1,306.6	0.0	21,504.4	23,813.5	
1982	1,224.5	439.4	303.6	137.7	195.9	2,301.1	6,837.4	7,435.8	0.5	14,273.8	8,007.2	3,633.1	10.1	25,924.2	28,225.3	
1983	1,400.8	399.4	272.2	100.0	185.7	2,438.0	10,050.2	8,033.3	0.0	18,083.5	8,794.0	7,940.7	2.6	34,820.9	37,258.9	
1984	869.3	301.1	168.1	74.0	105.8	1,518.3	11,719.0	10,509.6	0.1	22,228.7	7,201.2	5,167.7	25.0	34,622.7	36,141.1	
1985	632.0	369.6	157.0	253.5	375.4	1,787.6	9,178.0	7,101.5	3.0	16,282.5	9,691.0	5,133.9	153.5	31,260.9	33,048.4	
1986	572.4	493.3	112.7	112.2	212.7	1,503.2	9,556.0	10,894.0	1.5	20,451.4	9,399.1	5,649.3	184.6	35,684.5	37,187.7	
1987	762.2	481.7	100.6	223.3	143.4	1,711.3	13,658.6	10,827.8	5.5	23,691.9	11,651.2	2,897.1	106.3	38,346.5	40,057.8	
1988	530.5	208.6	150.1	65.7	282.7	1,237.7	11,949.3	7,428.4	3.6	19,381.2	10,341.7	2,269.3	293.0	32,265.1	33,522.9	
1989	606.9	98.9	26.3	111.7	76.1	919.8	10,253.0	3,803.3	0.0	14,056.3	8,477.4	1,964.9	182.2	24,680.8	25,600.6	
1990	675.3	81.6	26.3	98.6	115.7	997.5	12,092.5	10,094.4	0.2	22,187.2	8,566.1	1,860.7	223.8	32,837.8	33,835.3	
1991	663.6	233.0	24.3	46.9	51.0	1,018.9	14,095.9	7,822.4	0.3	21,918.6	6,112.0	2,988.2	351.6	31,370.4	32,389.3	

^aOther finfish listed in Table 7.
^bOther shellfish listed in Table 9.

Table 6. En-vessel value (\$ x 1,000) of each species landed commercially from Texas bay systems, 1972-1991.

Year	Finfish					Shrimp			Shellfish			Grand Total			
	Black drum	Flounder	Sheeps-head	Mullet	Other ^a	Total	Brown and Pink	White	Other	Total	Blue crab		Eastern oyster	Other ^b	
1972	129.9	36.4	11.5	3.6	751.4	932.8	537.7	4,587.6	0.0	5,125.3	651.5	2,486.6	0.4	8,263.7	9,196.5
1973	146.0	32.8	17.8	5.6	974.7	1,176.9	1,852.5	7,457.4	0.0	9,309.9	808.1	1,812.6	0.5	11,921.0	13,107.9
1974	213.3	61.8	19.0	2.0	1,145.5	1,441.5	606.3	3,346.9	0.0	3,953.3	828.9	1,115.8	0.9	5,898.9	7,340.4
1975	200.9	95.5	22.0	3.5	1,396.1	1,717.9	851.1	4,329.7	0.0	5,181.8	943.1	1,392.0	0.6	7,517.5	9,235.4
1976	492.9	113.5	33.9	3.7	1,621.0	2,264.9	1,650.2	6,304.2	0.0	7,954.4	1,176.7	3,200.2	2.7	12,334.0	14,599.0
1977	387.8	121.6	23.3	1.6	1,189.6	1,723.9	2,823.7	8,270.3	0.3	11,094.4	1,944.5	2,991.7	1.8	16,032.4	17,756.2
1978	600.7	149.1	37.6	0.9	1,369.2	2,157.5	1,917.8	10,695.1	0.0	12,610.9	2,003.5	2,205.6	1.2	16,821.3	18,978.8
1979	593.5	173.6	51.9	7.7	1,375.1	2,201.8	6,095.0	11,111.8	0.0	17,206.9	2,145.9	1,048.7	0.1	20,401.5	22,603.3
1980	536.7	122.5	65.1	6.3	1,958.4	2,689.0	6,830.8	10,067.5	1.4	16,899.7	2,455.0	2,692.3	0.0	22,047.0	24,736.0
1981	373.5	117.6	40.3	5.8	1,396.0	1,933.2	4,157.5	7,233.7	0.0	11,391.2	1,926.8	2,028.5	0.0	15,346.5	17,279.7
1982	773.5	439.0	74.7	14.5	39.5	1,341.2	5,621.2	12,924.0	0.2	18,545.4	2,374.3	5,313.7	4.0	26,237.3	27,578.5
1983	965.4	394.4	65.1	11.1	44.5	1,480.4	12,022.0	12,608.7	0.0	24,630.7	3,239.6	11,336.7	1.3	39,208.3	40,688.7
1984	440.0	295.4	34.3	8.3	23.6	801.6	8,964.2	13,311.6	0.3	22,276.1	2,245.5	8,308.7	13.3	32,843.5	33,645.2
1985	421.1	382.5	36.2	25.5	58.4	923.8	5,885.6	9,435.8	0.8	15,322.2	3,301.1	8,754.8	117.8	27,496.0	28,419.8
1986	402.3	485.5	30.0	12.5	55.2	985.5	9,090.5	16,213.3	0.9	25,304.8	3,138.1	10,486.8	100.0	39,029.7	4,0015.2
1987	532.3	477.4	27.3	20.8	36.6	1,094.5	13,721.2	13,546.3	3.3	27,270.8	4,461.3	6,891.4	50.6	38,674.1	39,768.6
1988	444.2	278.0	41.5	10.9	129.1	903.7	11,366.2	10,649.4	1.8	22,017.4	4,293.2	5,649.2	147.0	32,126.7	33,030.4
1989	470.7	126.4	9.0	17.8	20.7	644.6	8,236.8	4,794.0	0.0	13,030.9	3,666.4	4,850.5	126.8	21,674.6	22,319.2
1990	602.4	114.0	9.1	22.1	53.3	800.9	10,080.7	18,186.7	0.5	28,267.9	3,287.8	5,777.3	142.1	37,475.1	38,276.0
1991	510.4	267.3	7.4	13.6	31.2	829.9	13,833.7	13,200.4	0.2	27,034.3	2,266.8	7,223.3	204.6	34,729.0	37,558.9

^aOther finfish listed in Table 8.
^bOther shellfish listed in Table 10.

Table 7. Weight (lb X 1,000) of "other" finfish species landed commercially from Texas bay systems, 1972-1991.

Species	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Alligator gar																				
Atlantic croaker	35.7	92.6	76.6	83.3	104.4	30.0	19.8	16.4	13.6	2.2	60.4	19.5	1.8	35.8	36.6	3.0	6.8	4.6	43.3	1.1
Atlantic cutlassfish																41.7	14.1	6.6	0.5	1.6
Atlantic moonfish																3.9				
Atlantic spadefish																				
Bluefish																				
Eels, cusk																				
Florida pompano	3.9	1.8	7.8	5.1	2.4	0.4	0.5	2.1	0.4	0.2	0.2									
Gafftopsail catfish	22.6	55.1	63.4	67.8	70.1	60.8	50.4	39.0	45.3	6.9	15.7	37.5	22.1	27.2	17.5	2.4	3.5	0.3	0.1	0.5
Greater amberjack																7.6	8.0	1.2	7.2	
Gulf butterfish																				
Kingfish, unclassified	15.7	19.3	7.7	19.2	35.0	6.6	4.8	7.9	6.2	2.7	47.9	8.7	2.2	6.2	0.1					
Kingfish, southern																				
Waxtail, southern																				
Pinfish																				
Red drum	1,370.0	1,515.3	1,781.0	2,026.1	1,950.6	899.8	853.5	676.9	1,106.4	604.4										
Seatrout, sand	19.5	5.8	1.0	9.4	43.8	6.5	6.4	9.8	3.5	16.2										
Seatrout, spotted																				
Shark, blacktip	1,237.5	1,437.7	1,711.3	1,583.8	1,564.5	1,235.0	1,118.6	899.3	928.3	617.2										
Shark, unclassified																				
Tuna, unclassified																				
Unclassified food	48.9	45.2	42.3	51.8	43.4	44.1	80.0	81.9	31.0	19.3	23.2	42.2	19.0	48.3	32.5	15.0	32.5	12.8	10.5	19.0
Unclassified scrap	86.7	95.4	71.6	132.1	131.2	140.5	51.6	44.8	44.8	9.7	45.1	71.5	54.4	250.9	103.2	63.1	207.4	40.0	29.9	3.9
Total	2,840.3	3,266.2	3,762.6	3,958.7	3,943.4	2,423.7	2,185.7	1,770.1	2,179.6	1,278.8	195.9	185.7	105.8	375.4	212.7	143.4	282.7	76.1	115.4	51.0

Table 9. Weight (lb x 1,000) of "other" shellfish species landed commercially from Texas bay systems, 1972-1991.

Species	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Atlantic bay scallop																				
Crab, stone																				
Shrimp, mantis	2.7	2.9	4.5	2.3	12.1	5.3	4.3	0.3					15.0	0.1	5.3	60.6	267.8	172.9	1.2	339.0
Squid, unclassified	2.7	2.9	4.5	2.3	12.1	5.3	4.3	0.3	10.1	2.6	10.0	17.6	25.7	153.5	25.7	45.6	25.1	8.1	15.1	12.6
Total	2.7	2.9	4.5	2.3	12.1	5.3	4.3	0.3	10.1	2.6	25.0	153.5	184.6	106.3	293.0	182.2	223.8	351.6		

Table 10. Ex-vessel value (\$ x 1,000) of "other" shellfish species landed commercially from Texas bay systems, 1972-1991.

Species	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Atlantic bay scallop																				
Crab, stone																				
Shrimp, mantis	0.4	0.5	0.9	0.6	2.7	1.8	1.2	0.1					9.6	0.4	2.4	31.2	136.1	122.2	0.1	195.7
Squid, unclassified	0.4	0.5	0.9	0.6	2.7	1.8	1.2	0.1	4.0	1.3	3.7	7.3	13.3	117.8	19.9	19.3	10.8	4.5	8.0	8.9
Total	0.4	0.5	0.9	0.6	2.7	1.8	1.2	0.1	4.0	1.3	13.3	117.8	100.0	100.0	50.6	167.0	126.8	142.1	204.6	

Table 11. Weight (lb x 1,000) of each species landed commercially from the Gulf of Mexico, 1972-1991.

Year	Black drum				Sheeps-head				Finfish				Shrimp				Shellfish				Grand Total		
	45.1	331.9	81.5	249.2	64.7	249.2	62.9	249.2	18.1	22.7	97.5	1,236.0	565.9	2,400.8	78,052.6	11,051.5	13.2	89,917.2	14.4	2.7		89,934.3	92,335.1
1972	64.7	249.2	62.9	249.2	64.7	249.2	62.9	249.2	52.3	16.0	100.3	781.4	1,032.2	2,359.1	55,641.5	13,123.0	1,025.0	69,809.5	168.0	2.5	69,980.0	72,339.1	
1973	62.5	253.3	44.3	253.3	62.5	253.3	44.3	253.3	82.7	20.0	85.0	742.9	895.1	2,206.1	56,672.0	13,482.9	1,437.2	71,592.2	40.0	10.5	71,642.6	73,928.7	
1974	92.0	183.4	53.7	183.4	92.0	183.4	53.7	183.4	11.9	27.0	71.5	627.4	915.9	2,013.9	52,316.5	8,914.6	746.1	61,977.2	39.7	4.2	62,021.1	64,035.0	
1975	62.8	100.5	33.9	100.5	62.8	100.5	33.9	100.5	21.6	26.8	71.7	495.1	605.7	1,550.0	54,371.5	9,393.8	363.3	64,128.4	20.3	8.2	64,156.9	65,706.9	
1976	33.2	44.5	10.9	44.5	33.2	44.5	10.9	44.5	28.3	13.7	39.9	388.3	321.3	1,007.4	67,186.4	10,028.8	258.7	77,473.9	11.2	8.5	77,493.4	79,494.9	
1977	26.7	29.7	22.6	29.7	26.7	29.7	22.6	29.7	28.8	7.7	14.3	308.3	172.0	730.7	57,240.3	13,171.5	332.3	70,744.1	1.8	11.2	70,757.1	71,487.8	
1978	11.2	45.1	7.1	45.1	11.2	45.1	7.1	45.1	4.4	2.2	23.1	231.6	98.0	592.8	43,286.0	8,446.5	719.2	52,430.7	0.5	0.6	52,431.8	53,024.6	
1979	14.3	28.7	9.2	28.7	14.3	28.7	9.2	28.7	10.3	13.7	29.8	165.9	95.5	367.4	50,300.6	7,422.2	1,325.6	59,048.3	3.4	0.0	59,051.9	59,472.7	
1980	24.5	96.5	18.0	96.5	24.5	96.5	18.0	96.5	3.2	24.1	64.8	369.6	98.4	699.9	71,337.8	10,064.5	1,075.7	82,477.9	6.4	0.0	82,486.3	82,851.7	
1981	12.0	75.0	3.7	75.0	12.0	75.0	3.7	75.0	20.4	17.2	34.8	261.9	67.6	692.5	44,549.0	12,852.3	1,210.6	56,611.8	2.7	3.3	56,617.8	57,317.7	
1982	30.9	73.9	26.1	73.9	30.9	73.9	26.1	73.9	9.8	12.7	33.1	452.2	131.7	760.5	40,632.7	12,334.2	916.9	60,002.9	35.1	5.2	60,051.2	61,442.9	
1983	11.9	67.1	18.6	67.1	11.9	67.1	18.6	67.1	42.7	6.0	250.1	663.5	331.0	1,405.3	50,332.7	17,437.8	232.4	68,002.9	27.3	20.9	68,051.2	69,811.7	
1984	15.6	67.1	18.6	67.1	15.6	67.1	18.6	67.1	3.8	11.3	224.3	917.7	538.2	1,405.3	48,254.1	17,100.7	603.2	65,958.0	31.0	18.2	66,007.2	67,412.6	
1985	96.4	69.6	32.3	69.6	96.4	69.6	32.3	69.6	0.7	8.1	345.1	701.5	426.7	1,794.5	38,228.5	16,575.7	1,741.7	56,544.0	82.9	14.8	56,661.7	58,438.2	
1986	209.0	65.2	18.0	65.2	209.0	65.2	18.0	65.2	1.2	6.5	469.8	806.8	1,053.2	2,629.1	55,067.8	9,623.6	5,118.1	69,809.5	37.3	16.3	69,863.1	71,543.6	
1987	4.1	53.3	15.7	53.3	4.1	53.3	15.7	53.3	25.7	13.0	305.6	589.1	537.7	1,546.2	46,914.5	7,047.0	3,007.6	53,955.5	86.5	16.2	54,028.2	55,395.0	
1988	12.7	62.4	2.1	62.4	12.7	62.4	2.1	62.4	0.2	11.6	153.2	549.8	348.7	1,140.8	52,200.9	8,860.8	2,376.7	64,390.2	588.8	19.8	63,066.2	65,225.4	
1989	2.2	42.5	1.6	42.5	2.2	42.5	1.6	42.5	19.2	8.7	126.8	370.4	212.0	783.4	56,648.5	10,654.8	1,885.3	69,188.6	32.5	12.1	69,206.3	71,009.9	
1990																							
1991																							

*Other finfish listed in Table 13.

**Other shrimp includes mantis shrimp, rock shrimp, royal red shrimp and seabob.

***Other shellfish listed in Table 15.

Table 12. Ex-vessel value (\$ a 1,000) of each species landed commercially from the Gulf of Mexico, 1972-1991.

Year	Finfish										Shellfish				Grand Total	
	Black drum	Flour-dnr	Sheeps-head	Mullet	Cobia	Grouper	Shrimp	Other*	Total	Brown and Pink	White	Other*	Total	Blue crab		Other*
1972	5.5	83.3	8.2	0.9	2.6	10.7	572.0	110.4	793.6	64,511.8	11,032.0	1.1	75,544.9	1.1	0.4	75,546.4
1973	8.3	72.5	6.7	2.9	2.4	14.5	401.5	262.5	771.4	63,169.6	15,406.8	272.3	78,851.3	22.4	0.3	78,851.3
1974	8.1	87.3	7.5	4.9	3.0	10.9	415.8	174.2	711.7	50,764.3	12,685.0	341.7	63,791.0	3.5	1.7	63,796.2
1975	6.9	80.5	5.3	1.0	5.0	11.2	393.4	184.5	697.8	70,328.2	11,802.7	151.7	82,282.6	4.6	0.9	82,288.1
1976	15.9	66.3	7.4	1.7	5.0	14.6	353.1	182.4	626.2	94,231.1	17,136.3	67.7	111,435.0	2.6	1.9	111,439.5
1977	12.0	49.2	5.5	0.2	4.7	5.2	420.9	117.6	615.2	97,992.2	16,356.9	234.9	114,583.9	2.2	2.4	114,588.5
1978	6.8	24.0	1.6	2.5	4.4	9.8	403.5	60.7	513.4	99,880.9	28,144.5	344.6	128,369.9	0.3	3.2	128,373.4
1979	8.8	16.5	3.8	2.4	2.8	6.7	261.5	143.9	446.5	111,142.2	23,575.6	301.0	135,098.9	0.2	0.2	135,099.2
1980	3.0	31.2	1.4	0.7	1.1	9.7	351.3	68.2	466.6	107,142.1	15,570.3	431.8	123,144.2	0.8	0.8	123,145.0
1981	4.6	20.6	1.7	1.3	7.3	14.2	267.8	62.8	380.3	129,069.4	24,541.3	317.9	153,928.6	1.7	0.0	153,930.3
1982	9.0	82.4	4.9	0.5	13.1	42.7	669.2	26.5	848.4	126,037.3	30,600.9	504.2	157,240.1	0.8	1.0	157,244.1
1983	5.6	51.2	0.9	3.3	10.2	31.9	383.5	17.5	504.1	113,488.4	33,074.0	330.7	146,813.1	10.6	2.0	146,825.7
1984	9.3	55.6	2.5	1.4	8.7	27.5	818.3	50.0	973.3	116,780.5	40,281.4	164.1	157,240.1	6.9	9.6	157,256.7
1985	6.2	62.8	4.8	5.7	4.0	212.7	1,242.4	249.5	1,788.1	107,335.6	38,360.8	924.7	203,783.0	8.5	9.9	203,802.2
1986	8.9	54.7	5.6	0.9	7.7	216.5	1,211.2	608.5	2,616.0	150,271.4	44,646.9	3,644.6	198,569.8	32.4	6.8	198,678.2
1987	65.7	61.3	10.5	0.1	5.8	432.8	1,313.9	608.0	2,516.2	119,102.8	23,222.4	2,544.6	144,869.8	32.7	7.4	144,909.9
1988	122.0	59.5	6.2	0.2	5.3	680.3	1,563.1	1,228.8	3,644.9	111,524.9	17,531.7	2,018.2	131,074.8	279.9	5.2	131,359.8
1989	3.9	60.7	3.6	4.8	11.6	422.7	1,185.6	690.8	2,383.7	114,730.9	21,006.7	1,080.1	136,817.7	17.4	5.8	136,840.9
1990	8.2	67.0	0.7	0.2	10.3	199.0	999.1	391.6	1,666.1	131,761.1	28,024.4	836.9	160,622.4	4.7	2.4	160,629.5
1991	2.0	51.9	0.6	4.6	7.9	183.9	687.8	314.2	1,252.8							

*Other finfish listed in Table 14.
 *Other shrimp include mantis shrimp, rock shrimp, royal red shrimp and seabob.
 *Other shellfish listed in Table 16.

Table 13. Weight (lb X 1,000) of "other" finfish species landed commercially from the Gulf of Mexico, 1972-1991.

Species	Year									
	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Alligator gar										
Atlantic croaker	22.7	29.9	95.3	32.7	8.9	2.8	10.2	3.7	2.7	2.4
Atlantic cutlassfish										
Atlantic moonfish										
Atlantic spadefish										
Blue runner										
Bluefish										
Cod, unclassified										
Crevalle jack										
Dolphin										
Eels, cusk										
Florida pompano	1.1	0.2	4.3	1.5	3.3	0.5	0.5	1.5	0.8	0.2
Gafftopsail catfish	6.0	12.5	14.2	20.8	21.4	13.4	27.1	0.4	0.4	2.6
Great barracuda										
Greater amberjack										
Gulf butterfish										
Herring, unclassified										
Kingfish, southern										
Kingfish, unclassified	92.8	71.2	125.9	150.5	47.1	26.8	19.8	8.8	13.3	13.5
Mackerel, king										
Mackerel, Spanish								0.2		
Pinfish										
Porgy, unclassified										
Red drum	97.8	162.1	140.5	94.3	78.7	51.0	7.6	13.1	8.1	9.0
Seatrout, sand	0.5	0.6		5.6	1.2					
Seatrout, spotted										
Shark, blacktip	261.9	531.2	284.9	250.5	204.1	111.8	43.5	131.0	49.7	28.6
Shark, shortfin mako										
Shark, unclassified										
Swordfish										
Tilefish										
Triggerfish, gray										
Tuna, Atlantic bonito										
Tuna, blackfin										
Tuna, bluefin										
Tuna, little										
Tuna, unclassified										
Tuna, yellowfin										
Unclassified food	78.1	86.9	99.1	255.8	179.0	72.0	27.4	31.0	12.1	34.4
Unclassified scrap	4.9	137.6	130.9	102.2	62.0	43.0	36.1	62.6	8.8	4.9
Wahoo										
Total	565.9	1,032.2	895.1	913.9	605.7	321.3	172.0	252.3	96.0	95.5

Table 13. (Cont'd.)

Species	Year										
	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	
Alligator gar	0.4	1.1	1.2	1.9	2.5	5.3	0.3	0.3	0.1	0.6	
Atlantic croaker							1.5	1.6			
Atlantic cutlassfish											
Atlantic moonfish											
Atlantic spadefish											
Blue runner					0.1			1.4			
Bluefish					1.3	10.3	0.4	2.2	0.3		
Cod, unclassified					0.5	0.1			0.1		
Crevaille jack						1.7					
Dolphin					2.9	1.9	3.1	9.7	18.6	5.1	
Eels, cusk							1.0	0.4	0.3		
Florida pompano	3.6		4.0	13.0	1.7	12.6	0.1	0.6	0.3	0.1	
Gafftopsail catfish	1.4	5.8	4.8	18.3	12.3	11.1	2.5	0.1	0.4	1.2	
Great barracuda							0.1	0.1	0.2	0.1	
Greater amberjack			13.7	27.9	106.1	96.5	173.1	126.2	66.9	27.6	
Gulf butterfish				4.9	0.1	2.2					
Herring, unclassified									0.3	1.3	
Kingfish, gulf										0.2	
Kingfish, southern							0.7	0.5			
Kingfish, unclassified	25.2	11.5	14.9	20.5	14.9	29.6	29.3	58.1	61.6	23.2	
Mackerel, king				2.5	1.5	2.5	6.2	0.3	1.3	0.4	
Mackerel, Spanish			1.2	0.2	0.2	0.8	0.1		0.1		
Pinfish											
Porgy, unclassified								0.3	0.7	0.8	
Red drum											
Seatrout, sand			0.9	2.3	0.6	2.6		0.7	0.2	1.7	
Seatrout, spotted											
Shark, blacktip				0.5	0.7	4.9	1.7	1.3	0.5	0.5	
Shark, shortfin mako					6.9	4.1	1.0	0.5	0.3	5.7	
Shark, unclassified			9.8	63.4	105.3	31.3	33.1	26.2	34.2	17.9	
Swordfish				31.9	85.5	46.4	22.3	12.6	8.7	10.1	
Tilefish				41.8	7.3	35.6	214.9	143.9	48.8	25.0	
Triggerfish, gray					0.3	0.2	0.7	4.7	7.0	6.2	
Tuna, Atlantic bonito						0.1		0.1			
Tuna, blackfin					0.3		0.5	0.5	7.7	0.4	
Tuna, bluefin			33.3	2.7	1.1	1.4					
Tuna, little						0.2		1.0			
Tuna, unclassified			6.7	22.8	79.0	14.9	37.0	34.2	11.6	71.1	
Tuna, yellowfin			9.3	1.5	100.6	79.8	474.2	96.8	66.3		
Unclassified food	67.1	47.6	29.1	67.0	3.8	20.6	31.5	7.5	8.3	3.6	
Unclassified scrap	0.7	1.6	2.6	7.5	2.6	9.1	1.0	0.1	0.5	7.0	
Wahoo					0.1	1.0	16.8	5.5	3.4	2.1	
Total	98.4	67.6	131.7	331.0	538.2	426.7	1,053.2	537.7	348.7	212.0	

Table 14. Ex-vessel value (\$ x 1,000) of "other" finfish species landed commercially from the Gulf of Mexico, 1972-1991.

Species	Year									
	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Alligator gar										
Atlantic croaker	1.2	2.2	5.8	3.4	1.5	0.6	1.5	0.6	0.2	0.5
Atlantic cutlassfish										
Atlantic moonfish										
Atlantic spadefish										
Blue runner										
Bluefish										
Cod, unclassified										
Crevalle jack										
Dolphin										
Eels, cusk										
Florida pompano	0.4	0.1	2.4	0.7	2.5	0.3	0.6	2.3	1.1	0.3
Gafftopsail catfish	0.5	1.6	1.7	2.9	3.0	4.3	12.7	0.1	0.1	2.1
Great barracuda										
Greater amberjack										
Gulf butterfish										
Herring, unclassified										
Kingfish, southern										
Kingfish, unclassified	8.4	7.5	12.7	14.9	6.4	4.2	2.7	1.2	2.3	2.8
Mackerel, king										
Mackerel, Spanish								0.2		
Pinfish										
Porgy, unclassified										
Red drum	25.8	53.6	45.0	34.7	31.6	27.6	4.4	10.2	8.3	11.6
Seatrout, sand	0.1	0.1		2.1	0.5					
Seatrout, spotted	68.7	181.7	91.5	102.2	91.9	63.0	29.4	112.4	50.4	38.0
Shark, blacktip										
Shark, shortfin mako										
Shark, unclassified										
Swordfish										
Tilefish										
Triggerfish, gray										
Tuna, Atlantic bonito										
Tuna, blackfin										
Tuna, bluefin										
Tuna, little										
Tuna, unclassified										
Tuna, yellowfin										
Unclassified food	5.0	7.5	8.7	27.1	19.5	12.8	5.8	9.3	5.2	7.2
Unclassified scrap	0.2	8.1	6.4	6.6	5.5	4.9	3.7	7.5	0.7	0.4
Wahoo										
Total	110.4	262.5	174.2	194.5	162.4	117.6	60.7	143.9	68.2	62.8

Table 14. (Cont'd.)

Species	Year									
	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Alligator gar							0.4			
Atlantic croaker	0.1	0.2	0.5	0.4	0.8	1.9	0.5			
Atlantic cutlassfish								0.1		
Atlantic moonfish								1.1		
Atlantic spadefish								0.8		
Blue runner								0.8		
Bluefish					0.7	4.4	0.1		0.1	
Cod, unclassified			0.1		0.2	0.1			0.1	
Creville jack						0.4				
Dolphin				0.2	3.0	2.2	2.9	10.2	17.6	5.1
Eels, cusk							0.5	0.3	0.2	
Florida pompano	3.2	0.1	5.6	12.3	2.4	15.6	0.1	1.1	0.3	0.1
Gafftopsail catfish	0.5	1.9	2.0	7.8	5.5	2.5	0.8	0.1	0.2	0.2
Great barracuda								0.1		0.2
Greater amberjack			10.3	19.2	58.6	58.6	115.7	108.6	52.4	26.9
Gulf butterfish				2.6		1.1				
Herring, unclassified									0.1	0.4
Kingfish, gulf										0.4
Kingfish, southern							0.2	0.1		
Kingfish, unclassified	5.1	2.8	3.4	6.5	5.2	10.1	10.4	21.0	18.8	8.0
Mackerel, king				2.1	1.1	1.5	5.4	0.4	1.3	1.2
Mackerel, Spanish			0.9	0.1	0.2	0.3			0.2	
Pinfish										
Porgy, unclassified								0.2	0.7	0.8
Red drum										
Seatrout, sand			0.6	2.1	0.3	1.9		0.3		1.9
Seatrout, spotted										
Shark, blacktip				0.4	0.3	6.9	0.8	0.9	0.3	0.4
Shark, shortfin mako					6.3	10.1	0.8	0.5	0.2	16.1
Shark, unclassified			2.5	27.8	56.1	13.2	14.7	9.1	28.3	9.5
Swordfish				93.3	251.3	198.3	65.4	42.4	25.9	33.6
Tilefish				39.5	6.1	30.6	230.8	178.6	58.5	25.8
Triggerfish, gray					0.1	0.1	0.4	2.7	4.4	5.7
Tuna, Atlantic bonito								0.1		
Tuna, blackfin					0.1	0.1	0.2	0.8	6.2	0.4
Tuna, bluefin			8.4	0.3	4.0	10.6				
Tuna, little						0.1		1.4		
Tuna, unclassified			1.9	12.8	102.8	18.2	67.6	45.9	19.7	166.2
Tuna, yellowfin			1.9	2.0	100.6	209.2	684.4	249.6	147.4	
Unclassified food	17.6	12.4	11.5	18.6	2.0	5.1	13.4	8.6	5.2	3.3
Unclassified scrap	0.1	0.2	0.2	1.4	0.5	1.5	0.2			6.0
Wahoo					0.1	1.3	13.0	4.8	3.4	2.1
Total	26.5	17.5	50.0	249.5	608.5	606.0	1,228.8	690.8	391.6	314.2

Table 15. Weight (lb x 1,000) of "other" shellfish species landed commercially from the Gulf of Mexico, 1972-1991.

Species	Year																				
	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	
Crab, stone																					
Lobster, shovelnose																					
Lobster, spiny																					
Squid, unclassified	2.7	2.5	10.5	4.2	8.2	8.5	11.2	0.6			3.3	5.2	17.0	15.1	14.8	14.7	12.5	18.1	10.2	5.9	
Total	2.7	2.5	10.5	4.2	8.2	8.5	11.2	0.6			3.3	5.2	20.9	18.2	14.8	16.3	16.2	19.8	12.1	6.5	

Table 16. Ex-vessel value (\$ x 1,000) of "other" shellfish species landed commercially from the Gulf of Mexico, 1972-1991.

Species	Year																				
	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	
Crab, stone																					
Lobster, shovelnose																					
Lobster, spiny																					
Squid, unclassified	0.4	0.3	1.7	0.9	1.9	2.4	3.2	0.2			1.0	2.0	6.0	6.1	6.8	6.1	6.9	4.0	0.8	2.1	
Total	0.4	0.3	1.7	0.9	1.9	2.4	3.2	0.2			1.0	2.0	9.6	9.9	6.8	6.8	7.6	5.2	4.4	2.4	

Table 17. Ex-vessel price (\$/lb) of finfish, 1972-1991.

Year	Black drum		Flounder		Sheepshead		Snapper	
	Range	Mean	Range	Mean	Range	Mean	Range	Mean
1972	0.07-0.19	0.12	0.18-0.37	0.26	0.03-0.15	0.08	0.35-0.53	0.46
1973	0.07-0.24	0.13	0.18-0.44	0.31	0.04-0.17	0.09	0.45-0.65	0.51
1974	0.07-0.27	0.16	0.15-0.43	0.29	0.03-0.17	0.07	0.40-0.75	0.56
1975	0.03-0.31	0.18	0.20-0.53	0.36	0.03-0.25	0.09	0.40-0.77	0.63
1976	0.09-0.35	0.24	0.21-0.57	0.41	0.05-0.23	0.11	0.59-0.95	0.71
1977	0.10-0.41	0.28	0.25-0.72	0.55	0.05-0.30	0.10	0.20-1.18	0.96
1978	0.05-0.60	0.34	0.20-0.90	0.73	0.05-0.40	0.12	0.72-1.40	1.04
1979	0.10-0.95	0.39	0.20-1.20	0.82	0.05-0.45	0.14	0.90-1.49	1.22
1980	0.10-0.70	0.51	0.40-1.27	0.79	0.06-0.45	0.14	0.95-1.77	1.52
1981	0.10-1.40	0.57	0.20-1.45	1.06	0.05-0.95	0.21	0.98-2.01	1.61
1982	0.15-0.95	0.63	0.51-1.45	0.97	0.10-0.77	0.25	0.86-2.11	1.81
1983	0.20-0.85	0.65	0.45-1.40	0.94	0.10-0.80	0.24	0.90-1.95	1.46
1984	0.20-0.95	0.50	0.47-1.70	0.92	0.10-0.55	0.21	1.29-2.09	1.81
1985	0.15-1.05	0.66	0.53-1.86	1.00	0.05-0.45	0.22	0.75-2.41	1.87
1986	0.18-1.20	0.70	0.38-1.44	0.96	0.15-0.55	0.27	0.75-2.43	1.86
1987	0.15-1.45	0.70	0.35-1.75	0.98	0.15-1.91	0.28	0.85-3.00	1.87
1988	0.03-2.00	0.77	0.50-1.87	1.23	0.20-1.12	0.28	0.55-2.95	1.94
1989	0.15-1.44	0.78	0.56-2.38	1.21	0.20-1.11	0.30	0.64-2.70	2.01
1990	0.21-1.50	0.88	0.70-2.46	1.24	0.12-0.65	0.34	0.26-2.98	1.79
1991	0.22-1.35	0.77	0.58-2.41	1.16	0.17-0.85	0.31	0.43-3.25	1.85

Table 18. Ex-vessel price (\$/lb) of shellfish, 1972-1991.

Year	Brown and Pink		Shrimp		White		Other		Blue crab		Eastern oyster	
	Range	Mean	Range	Mean	Range	Mean	Range	Mean	Range	Mean	Range	Mean
1972	0.11-1.21	0.81	0.16-1.30	0.86	0.08-0.10	0.08	0.07-0.12	0.10	0.50-1.14	0.63		
1973	0.29-1.45	1.08	0.39-1.37	1.00	0.2-1.11	0.27	0.08-0.25	0.12	0.61-1.37	0.94		
1974	0.19-1.53	0.87	0.30-1.74	0.90	0.08-0.71	0.24	0.08-0.20	0.14	0.69-1.37	0.90		
1975	0.20-1.76	1.29	0.21-1.74	1.10	0.09-0.52	0.20	0.10-0.20	0.16	0.64-4.12	0.79		
1976	0.31-2.37	1.64	0.30-2.70	1.51	0.13-0.92	0.19	0.10-0.35	0.18	0.60-1.37	0.82		
1977	0.26-2.52	1.40	0.29-2.68	1.27	0.20-2.11	0.90	0.15-0.30	0.24	0.86-2.19	1.15		
1978	0.26-2.53	1.63	0.30-2.76	1.81	0.20-1.84	1.04	0.10-0.35	0.27	0.88-1.77	1.16		
1979	0.50-2.95	2.32	0.30-3.90	2.11	0.25-1.26	0.53	0.13-0.35	0.26	1.00-1.62	1.18		
1980	0.65-2.92	1.95	0.52-2.83	1.80	0.25-0.93	0.33	0.19-0.50	0.27	0.38-1.71	1.55		
1981	0.44-3.01	1.70	0.60-3.59	1.97	0.18-0.36	0.30	0.21-0.50	0.28	1.03-3.51	1.55		
1982	0.52-3.49	2.56	0.51-4.00	2.39	0.35-0.49	0.42	0.23-0.55	0.30	0.21-2.00	1.46		
1983	0.86-3.68	2.47	0.65-4.08	2.24	0.25-0.59	0.36	0.20-0.60	0.37	1.18-2.05	1.43		
1984	0.31-3.72	2.03	0.54-4.00	1.92	0.24-2.48	0.85	0.20-0.65	0.31	1.34-2.17	1.61		
1985	0.35-3.04	1.97	0.42-3.47	1.97	0.22-0.72	0.27	0.20-0.95	0.34	1.39-2.06	1.71		
1986	0.52-3.20	2.47	0.40-3.87	2.22	0.25-0.65	0.53	0.25-1.26	0.33	1.03-2.52	1.86		
1987	0.35-3.31	2.11	0.44-4.42	1.91	0.16-1.11	0.71	0.20-0.75	0.38	1.66-4.51	2.38		
1988	0.57-3.58	2.22	0.65-4.52	2.05	0.40-0.75	0.55	0.25-1.10	0.41	1.40-3.70	2.50		
1989	0.46-3.97	1.92	0.45-4.75	2.06	0.25-4.47	0.53	0.20-1.50	0.44	1.71-5.00	2.48		
1990	0.33-3.10	1.91	0.25-3.80	2.07	0.23-3.60	0.45	0.20-1.00	0.38	1.14-4.46	3.11		
1991	0.60-5.08	2.06	0.87-4.28	2.23	0.16-1.20	0.44	0.20-1.60	0.37	1.60-4.11	2.92		

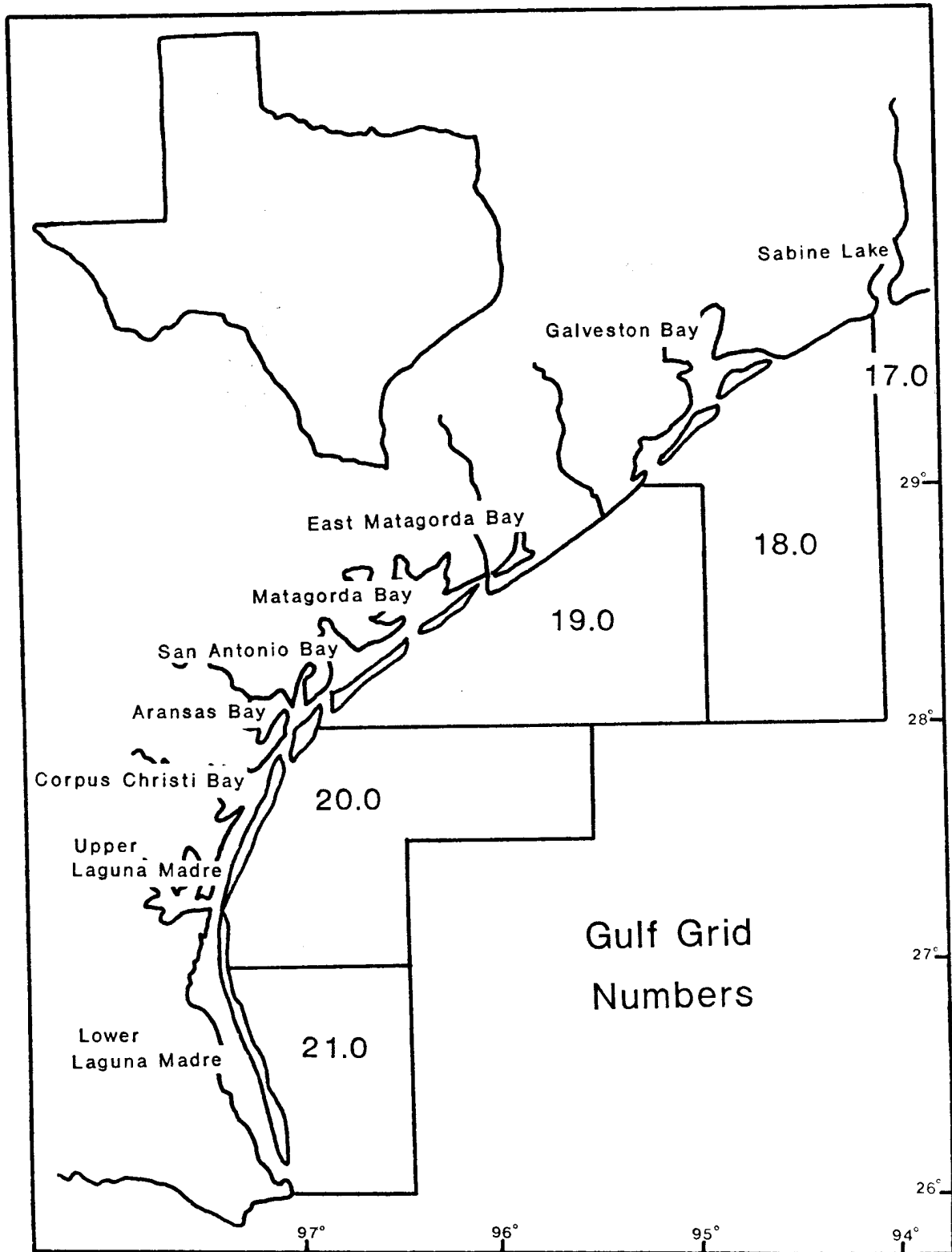


Figure 1. Texas bay systems and Gulf of Mexico grid zones.

**TEXAS PARKS AND WILDLIFE DEPARTMENT
MARINE PRODUCTS REPORT**

Dealer No. _____ County Code _____ For the Month of _____ 19 _____

Dealer: _____ Address: _____

NOTE: Please write legibly. Report purchases made from commercial fishermen only. USE MORE THAN ONE FORM IF NECESSARY

Code No.	Species	Name of Bay/Gulf Area	Pounds	Price per Pound	Processing Code (Circle One)	T.P.W.D. OFFICE USE ONLY		
						Pounds	Price per Pound	Water Body Code
00996	Amberjack, Greater				R F W H			
00611	Catfish, Gafftopsail				R F W H			
00656	Cobia (Ling)				R F W H			
00602	Croaker, Atlantic				R F W H			
00597	Dolphin				R F W H			
00625	Drum, Black				R F W H			
00375	Flounder, Unclass.				R F W H			
00421	Grouper, Unclass.				R F W H			
00397	Mullet, Unclass.				R F W H			
00753	Pompano, Florida				R F W H			
00613	Seatrout, Sand				R F W H			
00621	Sheepshead				R F W H			
00818	Snapper, Red				R F W H			
00410	Snapper, Unclass.				R F W H			
00634	Spadefish, Atlantic				R F W H			
00538	Swordfish				R F W H			
00540	Tuna, Blackfin				R F W H			
00235	Tuna, Unclass.				R F W H			
00240	Tuna, Yellowfin				R F W H			
00232	Unclassified Food				R F W H			
00233	Unclassified Scrap				R F W H			
00234	Whiting				R F W H			
	Others (List)				R F W H			
96050	Crab, Blue				E			
96360	Crab, Stone				O			
92280	Shrimp, Brown & Pink				O T			
92290	Shrimp, Other				O T			
96000	Shrimp, White				O T			
92300	Squid, Unclass.				O T			
			No. of Barrels	Price per Barrel				
93000	Oysters, Eastern							

IMPORTANT NOTICE — LEGISLATIVE CHANGE EFFECTIVE JANUARY 1, 1990. When reporting oysters handled, dealer must send \$1.00 for each barrel with payment information completed on blue copy. Oysters handled must be reported to the nearest whole barrel. One barrel equals: 3 boxes (10" x 20" x 13 1/2") with oysters piled no more than 2 1/2" above the height of the box at the center OR 2 gallons of shucked oysters.

PROCESSING CODES: R = Ungutted W = Gilled & Gutted C = Claws Gear Used (All species): _____
F = Fillets E = Price per Each H = Headed _____

SHRIMP CODES: O = Heads-On X = Other (specify) _____
T = Tails _____

SEND THIS COPY TO: **TEXAS PARKS AND WILDLIFE DEPARTMENT**
P.O. BOX 8
SEABROOK, TEXAS 77586

PWD-227-3400-10/89

DO NOT SEND OYSTER PAYMENT WITH THIS COPY

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

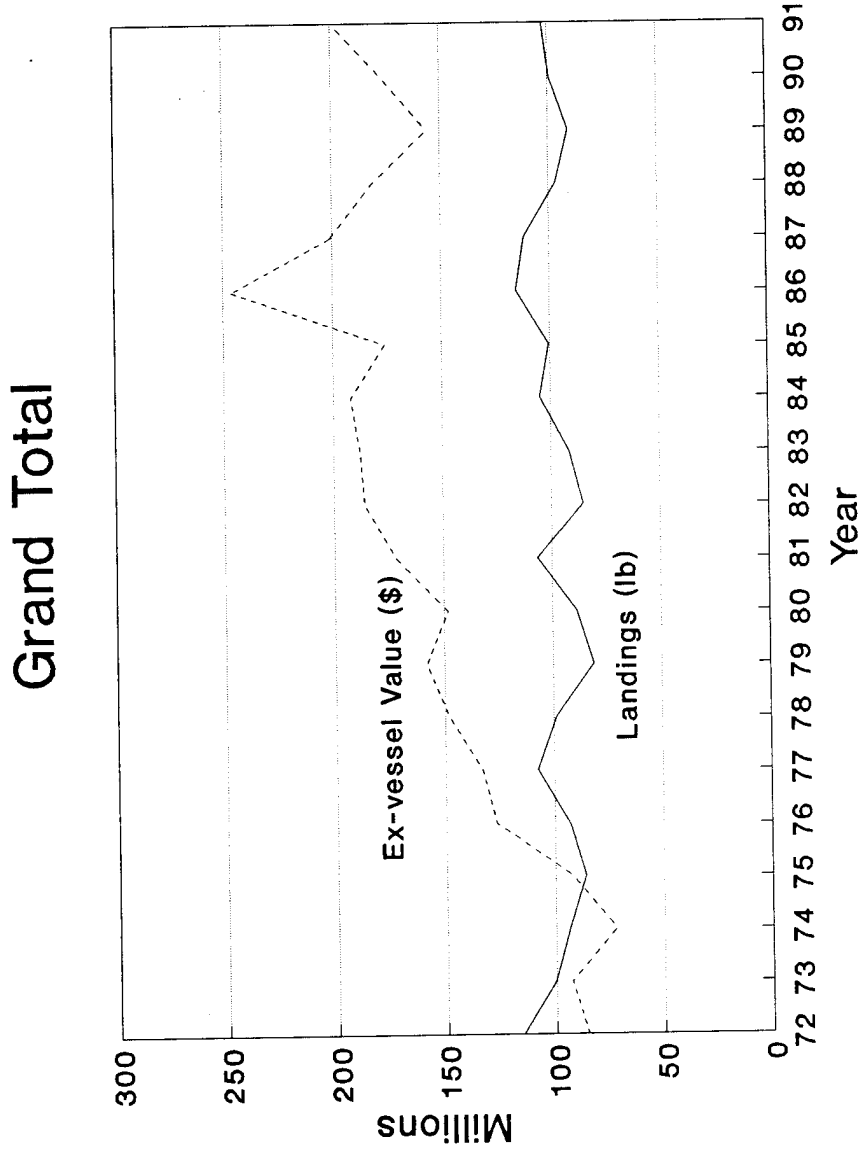


Figure 3. Texas commercial landings (lb) and ex-vessel value (\$) for all seafood from bays and the Gulf of Mexico (grand total), by year for 1972-1991.

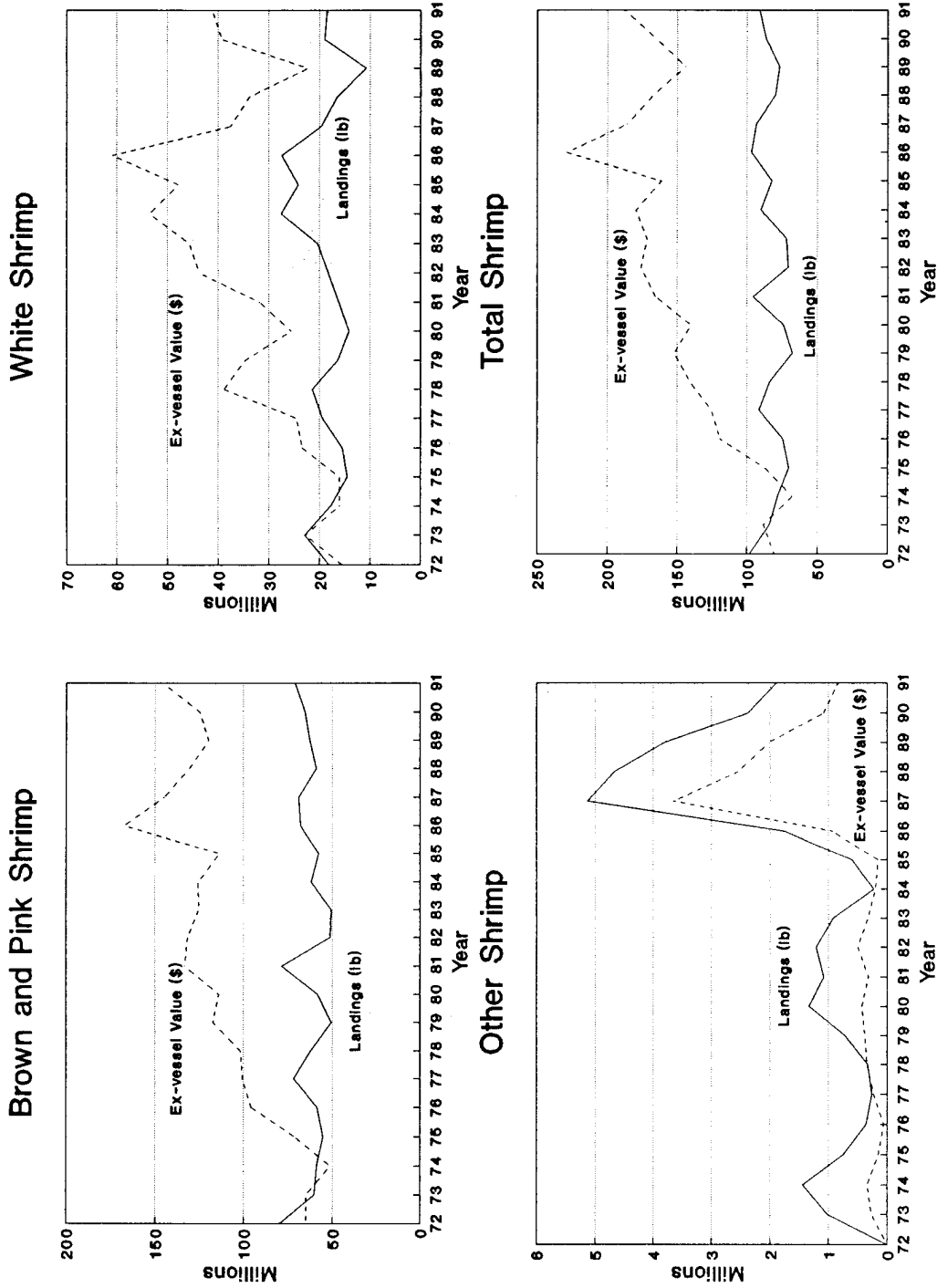


Figure 4. Texas commercial landings (lb) and ex-vessel value (\$) of brown and pink shrimp, white shrimp, other shrimp and total shrimp landed for 1972-1991.

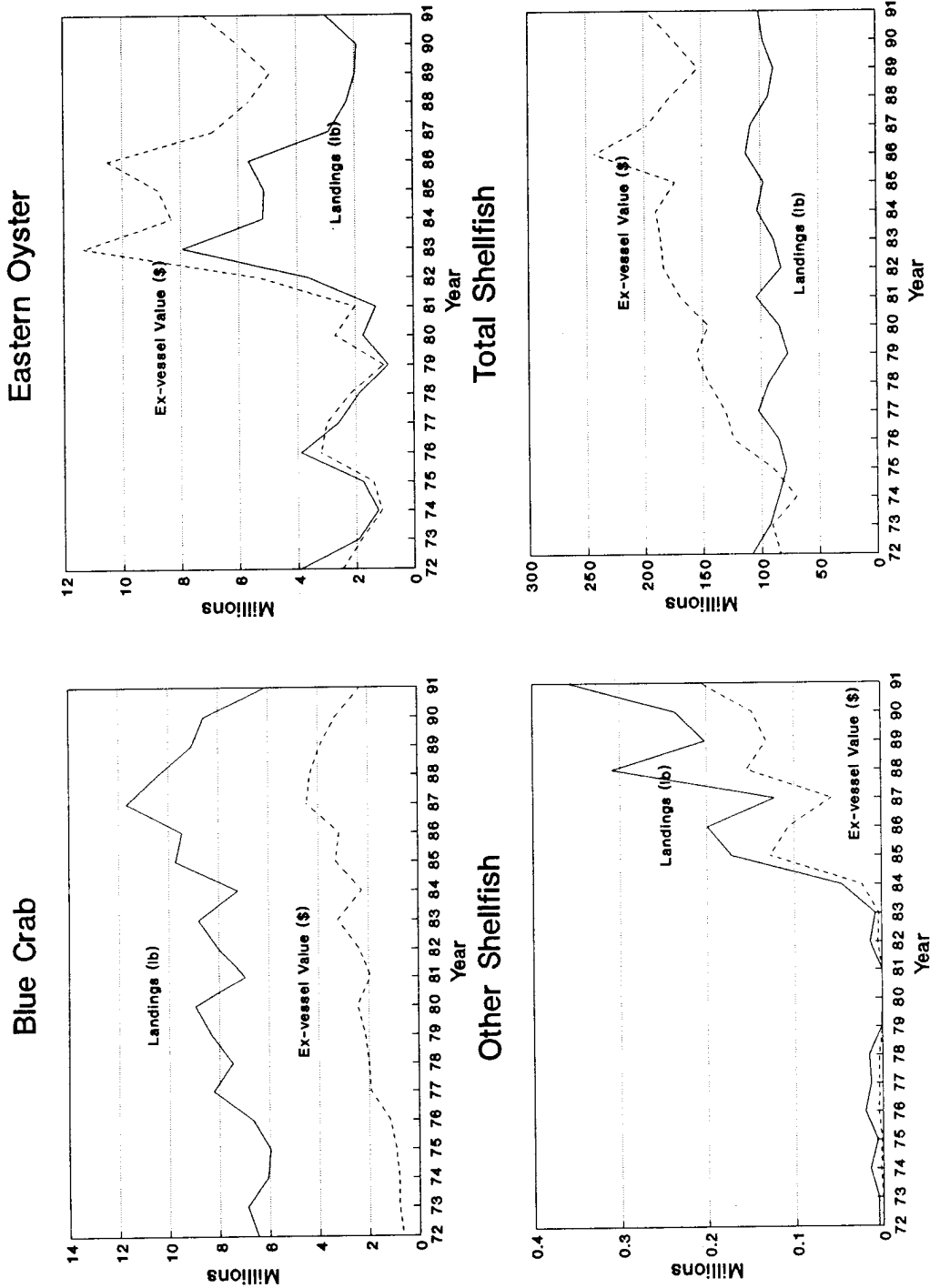


Figure 5. Texas commercial landings (lb) and ex-vessel value (\$) of blue crab, Eastern oyster, other shellfish and total shellfish landed for 1972-1991.

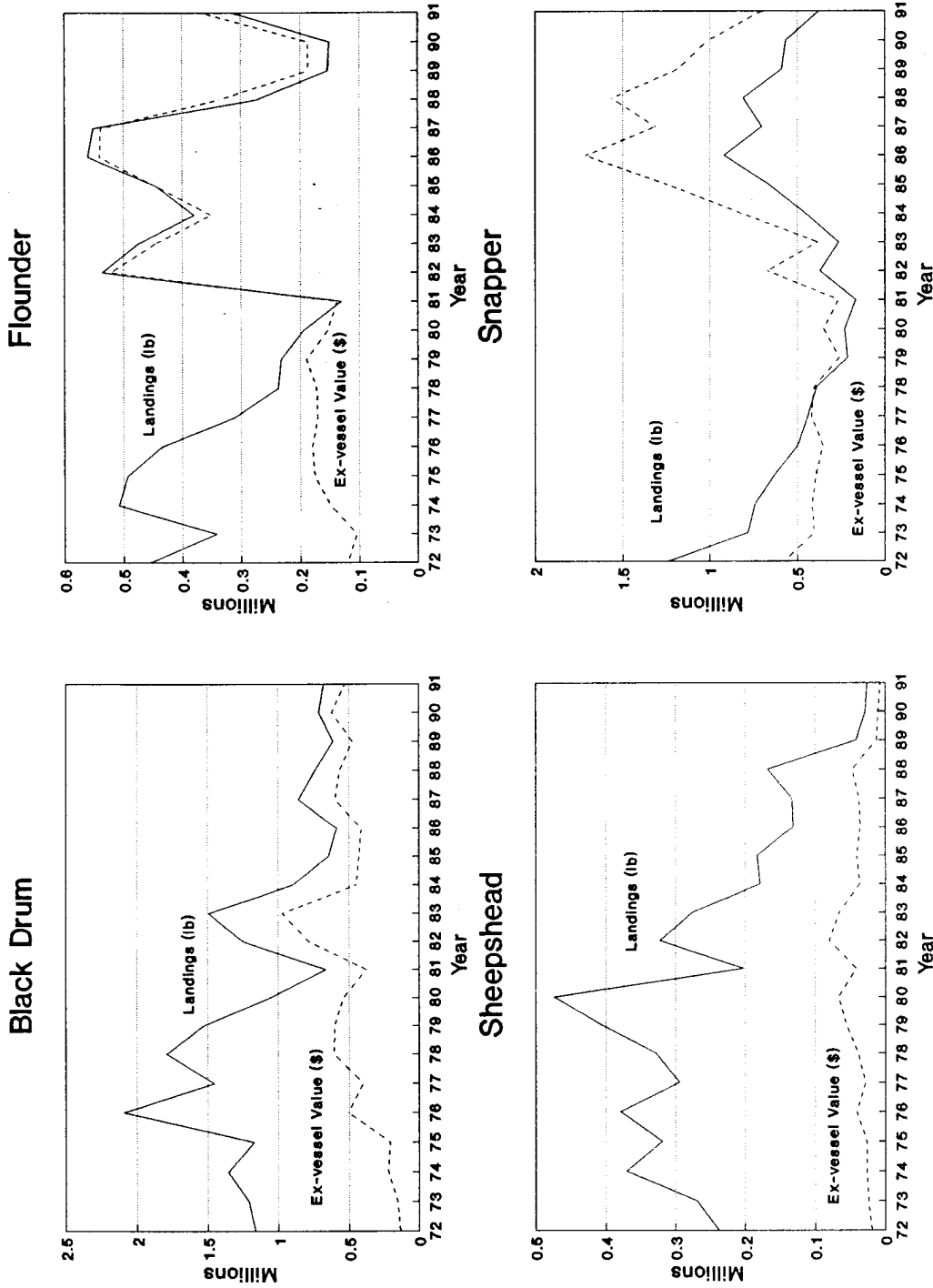


Figure 6. Texas commercial landings (lb) and ex-vessel value (\$) of black drum, flounder, sheepshead, and snapper (all species) landed for 1972-1991.

Total Finfish

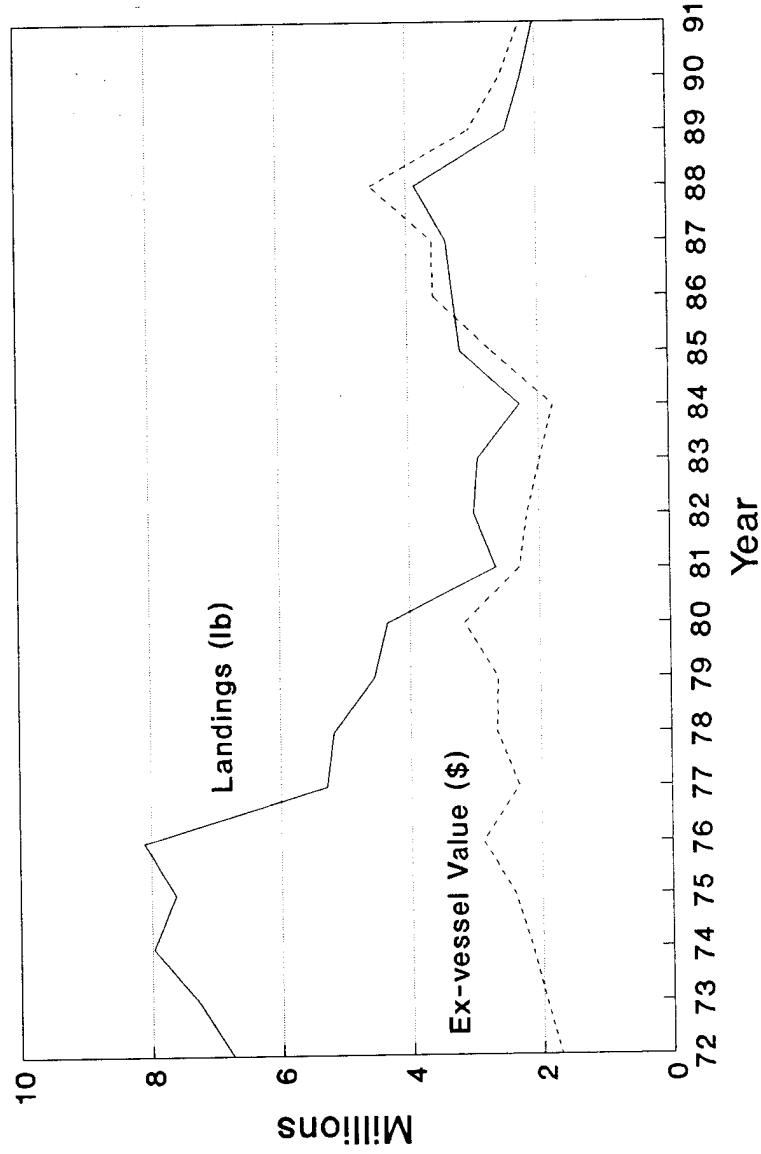


Figure 7. Texas commercial landings (lb) and ex-vessel value (\$) of total finfish for 1972-1991.

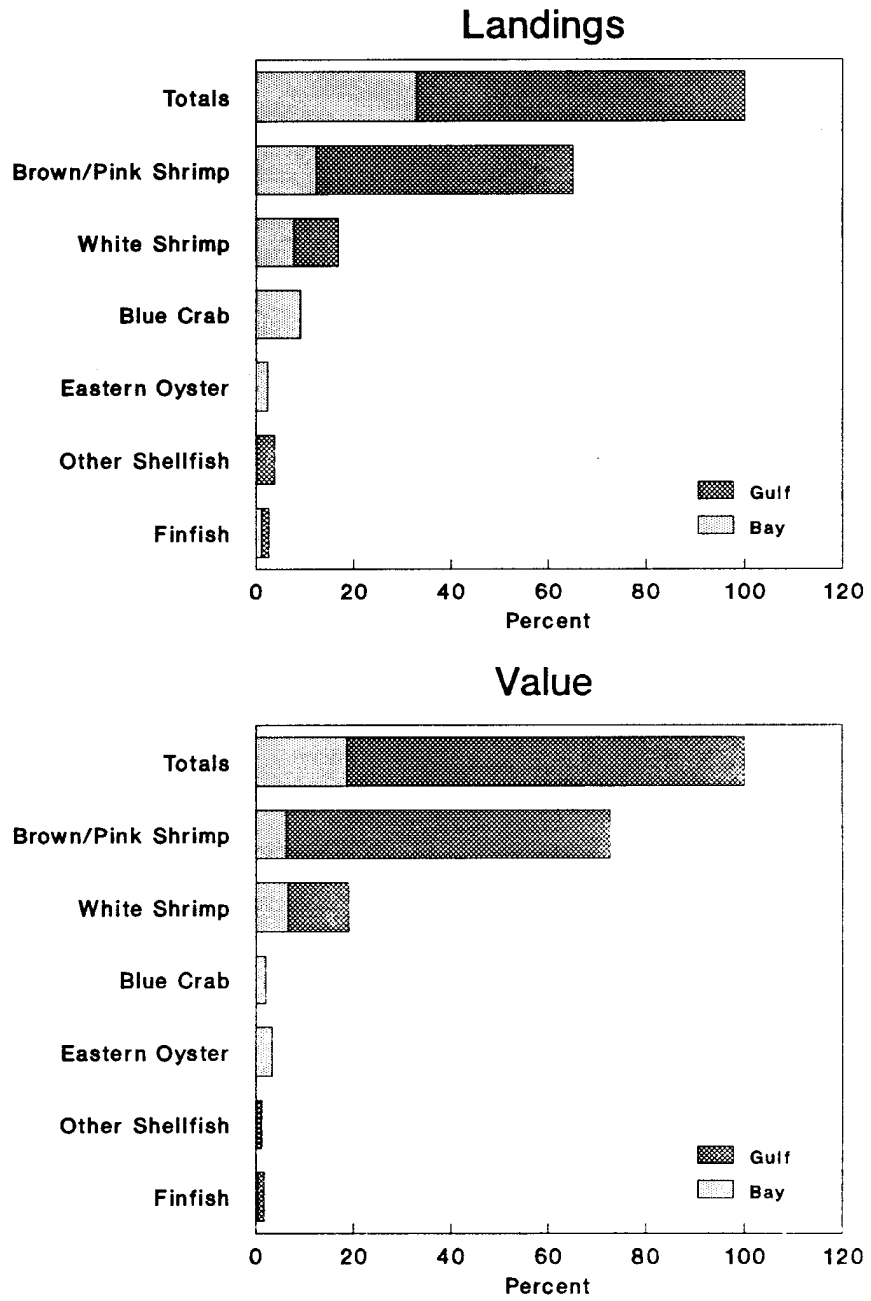


Figure 8. Percent of total coastwide bay and Gulf landings and ex-vessel value contributed by major commercial species groups for the interval 1987-1991.

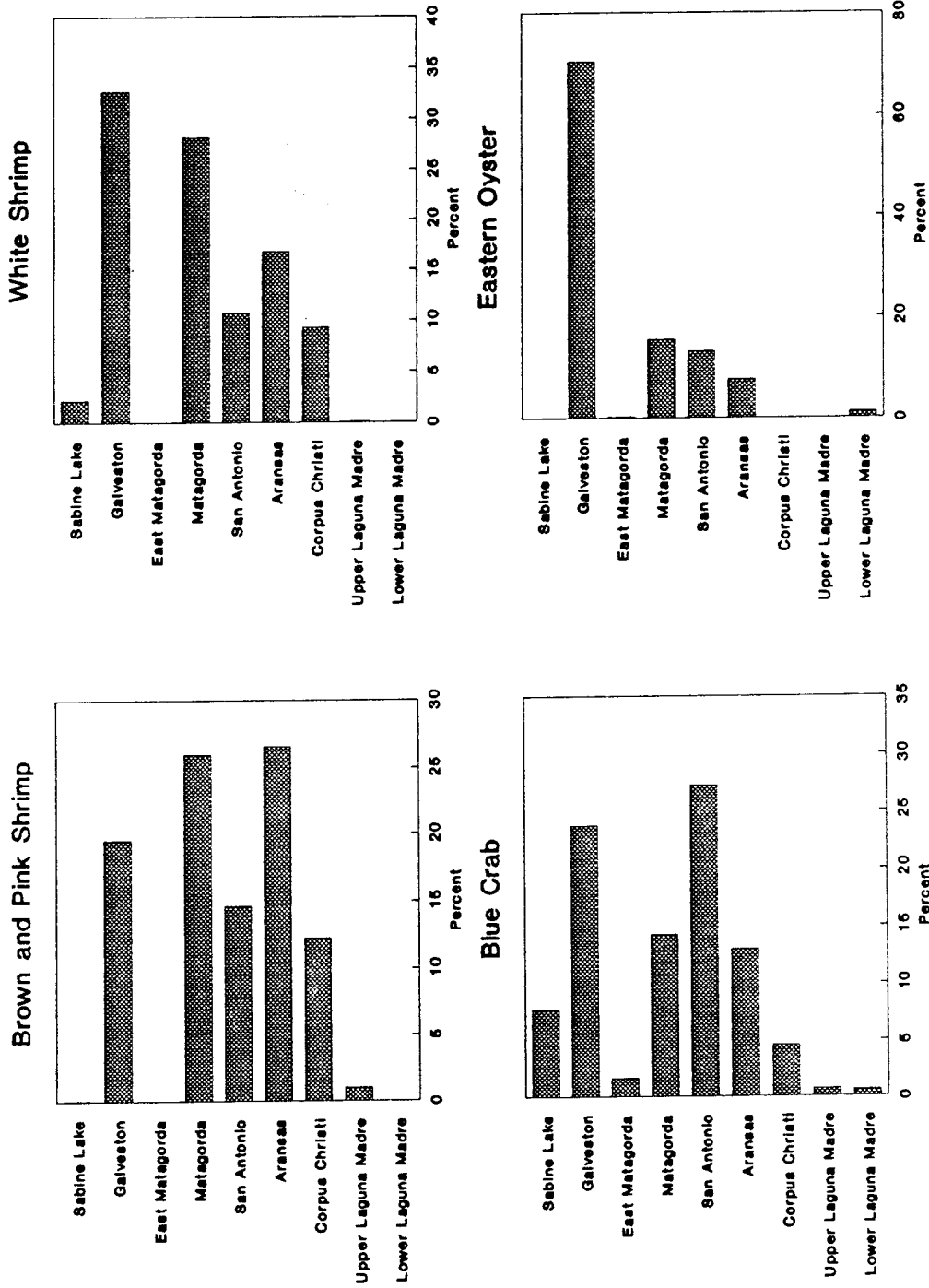


Figure 9. percent of total landings of brown and pink shrimp, white shrimp, blue crabs, and Eastern oysters contributed by each major bay system for the interval 1987-1991.

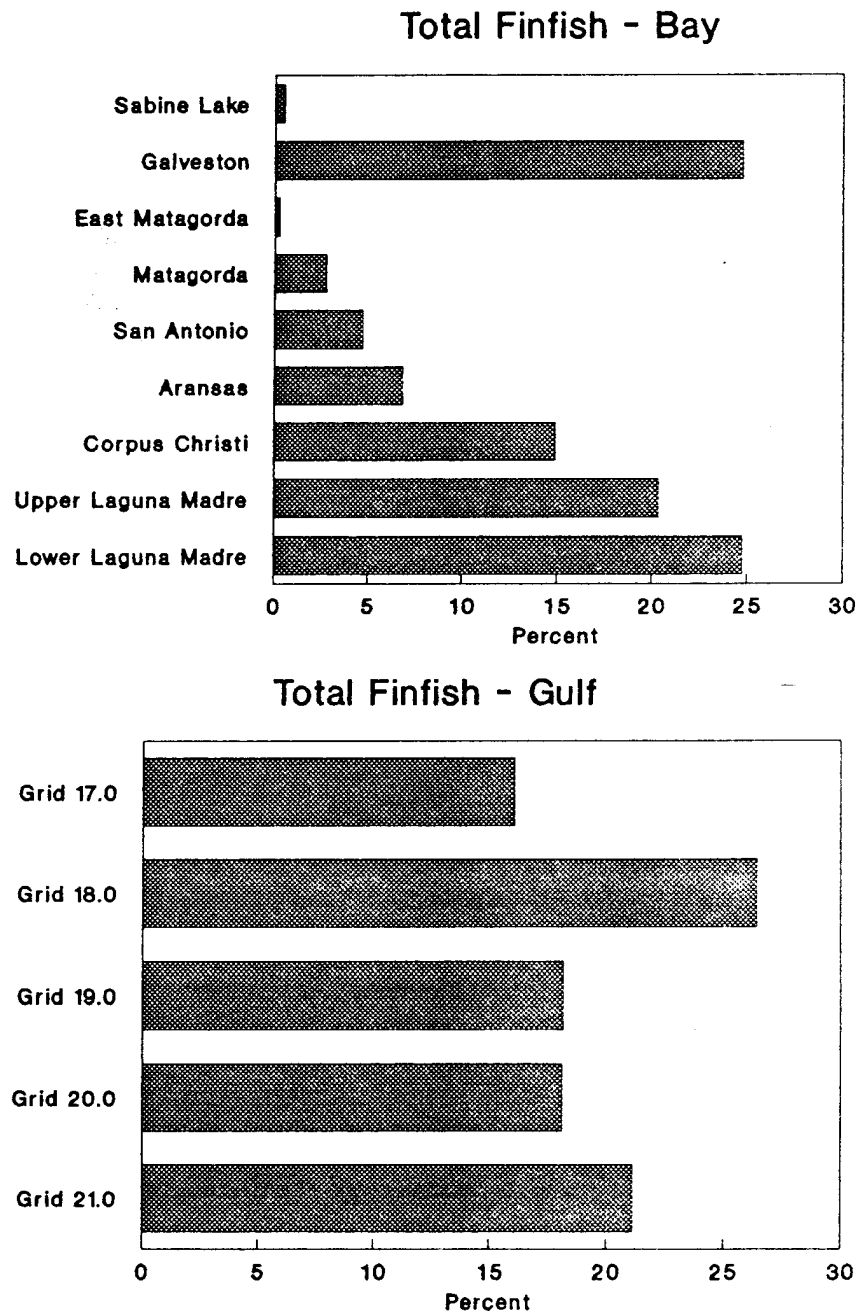


Figure 10. Percent of total finfish landings from bays contributed by each bay system and percent of total finfish landings from the Gulf contributed by each grid zone for the interval 1987-1991.

Appendix A. Conversion factors used for finfish and shellfish.

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

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

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

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

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

<u>Species</u>	<u>Conversion factors</u>
Blue crab	6 lb/1 dozen
Eastern oyster (to oyster meat)	17.5 lb/barrel
Eastern oyster (to oyster meat)	8.75 lb/gallon
Live Eastern oyster	1 barrel = 3 bushels, baskets or sacks.
Stone crab claw	1 lb claw = 4 lb live weight

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

<u>Species</u>	<u>Conversion factors</u>
Brown shrimp	1.61
Pink shrimp	1.60
Rock shrimp	1.67
Royal red shrimp	1.80
Seabob	1.53
White shrimp	1.54

Appendix B. Weight (lb) and ex-vessel value (\$), by bay system, of commercial finfish and shellfish landings along the Texas coast during 1972-1991.

Table B.1. Weight (lb) of each species landed commercially from the Sabine Lake system, 1972-1991.

Year	Finfish										Shellfish					Grand Total	
	Black drum			Sheeps-head			Mullet				Shrimp		Blue crab		Eastern oyster		Total
	Flounder	Flounder	Flounder	Flounder	Flounder	Flounder	Mullet	Other	Total	Brown and Pink	White	Other	Total	Blue crab	Eastern oyster		
1972	0	0	0	0	0	0	0	0	0	0	9,331	0	9,331	1,298,708	0	0	1,298,039
1973	1,400	0	0	0	0	0	4,682	6,082	0	0	0	0	0	1,358,213	0	0	1,358,213
1974	0	0	0	0	0	0	0	0	0	0	0	0	0	560,812	0	0	560,812
1975	647	530	804	0	2,368	4,349	0	4,329	0	0	0	0	0	620,926	0	0	620,926
1976	0	219	55	0	4,055	4,329	0	8,245	0	8,245	0	0	8,245	514,202	0	0	522,447
1977	980	687	139	0	1,010	2,816	0	2,356	4,212	0	6,548	0	6,548	226,100	0	0	232,648
1978	0	330	59	0	114	505	0	600	2,027	0	2,763	0	2,763	624,171	0	0	626,934
1979	556	51	764	56	600	2,027	0	2,220	3,033	1,099	4,668	4,668	55,667	70,089	0	0	163,301
1980	48	78	627	60	2,220	3,033	1,400	12,830	43,248	0	56,078	0	56,078	72,624	0	0	128,702
1981	219	119	76	12	974	1,400	0	170,835	740	0	740	0	740	113,443	0	0	284,766
1982	0	0	0	0	0	0	0	0	0	0	0	0	0	172,874	0	0	172,874
1983	379	567	430	0	1,341	2,717	0	12,384	10,451	0	22,835	0	22,835	555,304	0	0	578,139
1984	244	176	1,588	0	0	2,008	0	21,169	7,925	0	21,169	0	21,169	673,758	0	0	694,927
1985	486	2,283	1,592	0	983	5,344	0	539	7,925	0	8,464	0	8,464	1,345,792	70	763	1,355,089
1986	154	2,056	1,874	0	1,172	5,256	0	173,190	626,999	0	173,393	0	173,393	626,999	928	130	801,450
1987	153	2,527	2,349	0	2,997	8,026	0	13,101	348,217	676	361,994	0	361,994	443,171	0	65	805,230
1988	132	1,676	2,424	0	2,055	6,287	0	182,492	1,224,093	0	182,492	0	182,492	742,535	0	588	1,406,565
1989	80	535	2,465	0	2,284	5,364	0	127,096	3,779	127,096	0	127,096	0	742,535	0	588	873,998
1990	318	412	1,428	0	2,495	4,653	0	1,967	3,072	0	5,040	0	5,040	696,305	0	57	701,482
1991	669	1,775	402	1,860	1,360	6,066	0	0	0	0	0	0	0	0	0	0	701,482

Table B.2. Ex-vessel value (\$) of each species landed commercially from the Sabine Lake system, 1972-1991.

Year	Finfish										Shellfish					Grand Total
	Black drum	Flounder	Sheeps-head	Mullet			Total	Shrimp			Eastern oyster	Other	Total			
				Other	Mullet	Other		Brown and Pink	White	Other				Blue crab		
1972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	127,369	132,066
1973	210	0	0	0	0	0	1,800	2,010	0	0	0	0	0	0	158,433	160,443
1974	0	0	0	0	0	0	0	0	0	0	0	0	0	0	77,090	77,090
1975	114	195	117	0	0	0	545	971	0	0	0	0	0	0	98,740	97,711
1976	0	73	11	0	0	0	1,383	1,466	0	9,317	0	9,317	0	0	98,444	99,911
1977	281	424	34	0	0	0	569	1,308	1,098	2,529	0	3,627	0	0	61,530	62,838
1978	0	165	12	0	0	0	23	200	0	4,528	0	4,528	0	0	167,817	168,016
1979	199	24	168	13	0	0	240	645	0	0	0	0	0	0	49,328	49,974
1980	24	43	166	28	0	0	1,526	1,787	1,113	37,518	1,354	39,985	0	0	64,028	65,814
1981	79	59	15	6	0	0	451	610	8,600	38,279	0	46,879	0	0	76,454	77,064
1982	0	0	0	0	0	0	0	0	0	197,418	220	197,637	0	0	241,544	241,544
1983	196	411	94	0	0	0	275	976	0	1,029	0	1,029	0	0	75,682	76,659
1984	110	161	497	0	0	0	0	768	8,782	12,339	0	21,101	0	0	225,399	226,167
1985	462	2,025	602	0	0	0	375	3,464	0	10,747	0	10,747	0	0	242,068	245,532
1986	104	1,958	777	0	0	0	429	3,268	302	3,931	0	4,233	72	305	461,046	464,314
1987	61	2,523	990	0	0	0	1,812	5,386	374	151,207	0	151,580	1,908	59	390,310	395,696
1988	124	1,668	1,016	0	0	0	1,900	4,707	8,084	279,949	309	288,342	0	33	472,332	477,038
1989	44	501	997	0	0	0	2,731	4,273	0	109,314	0	109,314	0	0	630,078	634,350
1990	166	540	625	0	0	0	2,192	3,523	1,904	101,719	0	103,623	0	294	305,347	308,870
1991	431	1,442	141	601	0	0	857	3,472	2,621	6,429	0	9,050	0	29	258,401	261,873

Table B.3. Weight (lb) of each species landed commercially from the Galveston Bay system, 1972-1991.

Year	Shellfish											Grand Total	
	Finfish			Shrimp			Other						
	Black drum	Flounder	Sheeps head	Mullet	Other	Total	Brown and Pink	White	Blue crab	Eastern oyster	Other		Total
1972	72,641	21,057	27,801	59,542	312,711	493,752	1,348,320	2,701,181	1,870,124	3,242,557	2,416	9,164,598	9,658,350
1973	92,961	9,978	52,817	69,115	469,620	694,491	1,301,554	4,154,559	2,046,962	1,703,259	1,868	9,208,202	9,902,693
1974	27,653	20,031	28,439	24,462	478,907	579,492	1,430,520	1,498,466	1,982,882	836,712	3,779	5,752,512	6,332,004
1975	46,444	20,966	31,950	3,042	511,337	613,739	621,237	3,087,871	1,863,452	1,236,762	2,017	6,811,339	7,425,078
1976	47,545	29,344	51,677	18,349	450,654	597,569	1,801,925	3,335,189	1,599,474	3,289,887	11,306	10,037,781	10,635,350
1977	102,175	14,382	21,117	3,843	313,633	455,150	2,256,576	2,988,766	1,859,418	1,917,532	3,335	9,027,227	9,482,377
1978	161,887	55,173	55,504	1,946	533,184	807,694	2,066,133	3,618,523	1,920,886	1,076,797	3,528	8,685,867	9,493,561
1979	73,101	46,869	72,192	46,427	283,946	502,535	1,315,025	1,963,252	1,953,742	43,097	162	5,275,278	5,777,813
1980	55,999	31,477	65,844	2,251	219,843	375,414	2,317,775	3,439,745	1,749,057	1,004,208	0	8,510,785	8,886,199
1981	51,936	20,437	51,376	3,985	118,039	245,973	1,991,873	2,655,307	610,228	985,411	0	6,242,819	6,488,792
1982	72,524	197,762	125,942	118,907	188,244	703,379	1,646,158	3,459,392	1,216,137	3,253,765	9,942	9,585,394	10,288,773
1983	53,458	134,968	64,568	82,523	155,077	490,594	1,493,414	2,775,657	1,407,572	6,967,064	2,277	12,643,984	13,134,578
1984	269,046	127,753	74,948	50,296	63,748	565,791	2,550,708	3,604,281	1,396,583	2,360,205	8,340	9,928,117	10,513,908
1985	114,591	152,367	50,581	130,550	179,245	627,334	1,651,048	2,638,555	2,167,937	3,285,112	12,380	9,755,032	10,382,366
1986	31,279	137,488	34,354	61,460	159,914	424,495	2,043,085	4,108,323	3,018,610	3,541,048	47,377	12,759,895	13,184,390
1987	50,863	222,718	35,094	27,963	106,707	443,345	3,091,305	3,811,662	2,786,933	2,174,865	40,565	11,906,851	12,350,186
1988	61,297	47,299	73,893	64,553	247,983	495,025	3,454,171	3,085,281	3,118,874	1,452,365	56,193	11,169,773	11,664,798
1989	21,821	14,588	16,189	108,024	60,482	221,104	2,249,442	1,806,689	2,149,496	705,490	13,440	6,924,558	7,145,662
1990	22,338	13,760	15,015	91,473	46,036	188,622	1,974,561	2,315,092	1,908,099	1,166,652	23,285	7,387,916	7,576,538
1991	11,095	19,767	9,564	41,613	27,782	109,821	1,344,617	1,789,078	1,531,858	2,331,364	18,530	7,015,467	7,125,288

Table 8.4. Ex-vessel value (\$) of each species landed commercially from the Galveston Bay system, 1972-1991.

Year	Finfish										Shellfish				Grand Total							
	Black drum		Flounder		Sheeps-head		Mullet		Other		Total		Shrimp			Blue crab		Eastern oyster		Other		Total
1972	7,970	6,184	3,000	2,849	51,524	71,527	454,365	1,875,965	0	2,330,330	191,653	2,094,643	335	4,616,781								
1973	12,652	3,734	6,434	3,365	107,808	134,012	604,042	3,005,149	0	3,609,192	255,094	1,587,159	280	5,451,725								
1974	3,721	6,716	3,284	1,463	110,438	125,623	378,833	1,100,700	35	1,479,568	273,301	753,289	779	2,506,937								
1975	8,774	8,489	4,694	627	134,391	156,976	184,639	2,075,965	0	2,260,604	287,015	957,345	472	3,505,435								
1976	9,963	13,469	8,817	2,186	142,092	176,527	802,008	3,617,944	0	4,419,953	268,422	2,704,490	2,566	7,395,431								
1977	27,995	7,996	4,870	1,039	109,241	151,140	1,934,420	2,946,068	320	4,900,808	452,330	2,799,610	1,106	7,653,853								
1978	48,789	43,421	10,509	239	241,470	344,428	778,259	4,977,022	0	5,755,281	521,282	1,222,870	988	7,500,422								
1979	23,313	41,195	10,802	4,944	137,222	217,476	1,144,898	2,648,969	0	3,793,594	481,814	66,788	37	4,342,233								
1980	30,073	28,673	15,132	474	135,232	209,584	2,076,229	4,831,460	0	6,907,690	493,063	1,643,507	0	9,044,260								
1981	30,857	23,734	14,052	233	107,949	176,825	1,018,255	3,107,979	0	4,126,233	187,297	1,548,952	0	5,881,582								
1982	27,285	199,890	26,996	12,607	35,205	301,982	1,442,652	5,829,652	0	7,272,304	401,458	4,781,383	3,894	12,459,039								
1983	25,168	125,375	14,091	8,845	34,237	207,717	1,503,152	3,935,330	0	5,438,482	521,546	9,946,278	1,113	15,907,418								
1984	106,887	133,959	15,457	5,484	17,328	279,116	2,061,454	4,032,756	0	6,094,210	541,803	4,015,272	3,723	10,655,008								
1985	89,803	158,635	12,498	14,653	37,314	312,903	1,324,170	2,964,201	0	4,288,371	829,459	5,958,136	6,521	11,082,487								
1986	14,805	141,994	9,140	7,457	33,028	206,425	1,869,436	4,969,357	944	6,839,737	1,028,321	6,956,429	24,693	14,894,180								
1987	33,003	218,381	9,542	3,133	24,160	288,219	2,735,922	4,918,322	642	7,654,886	1,250,721	5,376,953	19,226	14,301,786								
1988	55,636	55,444	17,790	10,686	86,801	226,356	3,837,344	4,185,904	1,478	8,024,726	1,517,493	3,921,794	25,093	13,469,106								
1989	19,819	17,737	5,085	15,629	10,923	69,195	1,333,129	1,923,004	0	3,256,133	921,708	2,096,197	8,754	6,282,792								
1990	20,030	16,118	4,601	20,374	10,597	71,721	1,306,586	3,508,369	456	4,815,411	729,516	4,093,490	10,435	9,648,853								
1991	5,643	24,676	3,279	12,128	12,298	58,024	1,127,469	2,465,051	0	3,592,520	535,367	5,967,519	11,446	10,106,853								

Table 8.5. Weight (lb) of each species landed commercially from the Mateporda Bay system, 1972-1991.

Year	Finfish										Shellfish				Grand Total
	Black drum	Flounder	Sheeps-head	Mullet			Shrimp			Blue crab	Eastern oyster	Other	Total		
				Flounder	Mullet	Other	Total	Brown and Pink	White					Other	
1972	36,906	22,156	15,887	849	132,295	208,003	228,942	1,164,672	0	1,393,614	468,545	166,302	189	2,028,650	2,236,653
1973	25,740	28,020	6,044	4,555	121,150	185,509	1,185,841	2,860,131	0	4,045,972	294,217	67,391	745	4,408,325	4,593,834
1974	10,255	21,382	4,417	642	142,309	179,005	452,867	1,429,128	0	1,881,995	601,177	183,007	683	2,666,862	2,845,867
1975	12,792	30,204	6,945	914	121,476	172,331	866,039	792,883	0	1,658,922	357,353	366,344	315	2,382,934	2,555,265
1976	7,896	26,190	4,453	3,779	57,865	100,183	988,152	1,072,107	0	2,060,259	200,493	280,087	315	2,541,154	2,641,337
1977	17,489	19,184	5,290	1,196	73,564	116,723	1,008,551	2,621,280	0	3,629,831	211,227	168,605	1,937	4,011,600	4,128,323
1978	16,503	19,322	2,257	564	43,235	81,881	767,620	2,526,703	0	3,294,323	313,509	145,791	668	3,754,291	3,836,172
1979	10,150	6,593	2,997	270	34,839	54,849	2,546,059	2,832,037	0	5,378,096	680,808	120,937	14	6,179,855	6,234,704
1980	11,364	3,077	2,540	0	43,677	60,658	2,059,240	1,538,837	0	3,598,077	390,743	333,179	0	4,321,999	4,382,657
1981	6,047	553	289	18,379	19,514	44,782	1,521,424	1,746,315	0	3,267,739	368,089	88,659	0	3,724,487	3,769,269
1982	1,541	8,510	661	1,335	86	12,133	1,757,008	2,113,852	0	3,870,860	689,000	270,376	74	4,830,310	4,842,443
1983	1,696	13,692	241	3,484	761	19,874	3,204,889	3,614,158	0	6,819,047	796,690	199,940	109	7,815,786	7,835,660
1984	608	15,886	749	19,375	30,293	66,911	2,851,107	2,890,693	150	5,741,950	927,467	448,637	6,860	7,124,914	7,191,825
1985	8,092	28,824	5,786	117,938	158,457	319,097	2,194,857	2,678,970	2,707	4,876,534	989,229	123,350	7,266	5,996,379	6,319,476
1986	8,775	28,671	1,556	50,064	8,256	97,322	2,552,763	3,765,573	0	6,318,336	1,196,418	383,152	51,067	7,948,973	8,046,295
1987	27,656	21,398	616	36,290	2,883	88,843	3,877,350	3,182,016	4,051	7,063,417	1,124,372	189,078	9,451	8,386,318	8,475,161
1988	2,249	2,916	421	0	172	5,758	2,452,358	1,861,817	0	4,314,175	950,034	521,057	23,388	5,808,654	5,814,412
1989	1,049	6,996	1,483	17	4,176	13,721	3,161,848	1,181,237	0	4,343,085	2,014,910	915,262	20,393	7,293,650	7,307,371
1990	440	3,795	1,454	180	14,721	20,590	2,866,632	3,328,699	0	6,195,332	1,841,591	73,243	8,565	8,118,731	8,139,321
1991	536	33,023	503	28	949	35,039	3,777,939	1,508,268	0	5,286,207	976,369	25,588	0	6,288,164	6,323,203

Table B-6. Ex-vessel value (\$) of each species landed commercially from the Matagorda Bay system, 1972-1991.

Year	Finfish										Shellfish					Grand Total
	Black drum	Flounder	Sheeps-head	Mullet			Total	Shrimp			Blue crab	Eastern oyster	Other	Total		
				Flounder	Sheeps-head	Mullet		Other	Brown and Pink	White					Other	
1972	4,715	6,854	1,473	119	35,409	48,571	41,037	806,733	0	901,770	47,733	101,231	34	1,050,768	1,099,339	
1973	3,874	11,593	786	416	43,592	60,261	495,417	2,306,053	0	2,801,469	34,216	53,302	119	2,889,106	2,949,367	
1974	1,452	8,267	607	118	48,015	58,459	118,828	1,162,644	0	1,281,472	82,169	145,995	149	1,509,785	1,568,244	
1975	2,407	13,613	1,134	211	49,698	67,063	264,777	792,322	0	1,057,099	57,379	277,953	79	1,392,509	1,459,572	
1976	1,768	13,418	902	539	26,541	43,167	328,738	1,105,080	0	1,433,817	34,579	197,315	72	1,665,703	1,708,950	
1977	4,768	12,465	1,237	342	40,176	58,988	353,186	2,488,876	0	2,842,062	52,248	188,223	656	3,083,189	3,142,177	
1978	5,159	13,986	643	137	27,098	47,623	301,007	3,269,863	0	3,570,870	81,465	182,319	248	3,834,901	3,882,524	
1979	4,019	5,925	581	33	28,228	38,786	2,190,101	3,920,485	0	6,110,587	180,568	146,205	5	6,437,364	6,476,150	
1980	5,605	3,211	541	0	41,372	50,729	1,663,154	2,622,549	0	4,285,703	105,058	495,533	0	4,886,294	4,937,024	
1981	3,319	683	55	938	19,951	24,946	955,878	2,233,389	0	3,189,267	95,838	130,347	0	3,415,451	3,440,397	
1982	1,213	9,457	432	281	55	11,439	1,471,574	4,017,104	0	5,488,678	209,955	389,589	20	6,088,242	6,099,681	
1983	1,312	15,704	144	623	360	18,143	3,973,045	5,708,136	0	9,681,181	245,017	264,756	55	10,191,009	10,209,152	
1984	409	20,303	297	1,760	2,939	25,708	1,933,896	3,852,313	260	5,786,468	302,471	732,035	2,493	6,823,468	6,849,176	
1985	3,789	33,438	1,865	10,126	9,850	59,067	1,389,730	4,015,136	877	5,405,543	338,767	198,719	3,879	5,946,907	6,005,975	
1986	6,625	34,204	674	4,831	819	47,153	2,432,483	6,228,562	0	8,661,245	371,888	597,832	21,962	9,652,927	9,700,080	
1987	6,792	20,653	258	3,340	666	31,709	3,540,484	4,203,314	2,683	7,746,481	366,003	368,771	2,750	8,404,004	8,515,713	
1988	1,722	3,589	207	0	130	5,648	2,165,625	3,021,325	0	5,186,950	361,712	1,023,267	10,109	6,582,038	6,587,687	
1989	465	7,690	482	4	1,668	10,309	2,662,661	1,803,733	0	4,466,394	951,304	1,766,740	10,341	7,194,778	7,205,087	
1990	282	4,521	497	90	6,479	11,870	2,146,634	6,535,605	0	8,682,239	844,342	179,638	4,993	9,711,213	9,723,082	
1991	336	32,046	171	13	632	33,198	3,149,599	3,086,205	0	6,235,804	467,040	46,505	0	6,749,349	6,782,547	

Table B.7. Weight (lb) of each species landed commercially from the East Matagorda Bay system, 1972-1991.

Year	Finfish										Shellfish				Grand Total		
	Black drum		Flounder		Sheeps-head		Mullet		Other		Total		Shrimp			Total	
1972	13,742	1,759	2,271	2,206	77,939	97,917	0	9,061	0	9,061	413,400	49,018	0	0	471,479	569,396	
1973	12,464	1,661	4,428	0	81,013	99,566	0	66,326	0	66,326	828,257	11,637	0	0	906,220	1,005,786	
1974	4,436	1,439	1,420	0	41,565	48,860	0	0	0	0	358,177	14,227	0	0	372,404	421,264	
1975	5,726	9,989	2,743	0	46,957	65,415	0	0	0	0	540,268	8,418	0	0	548,686	614,101	
1976	7,602	6,113	3,621	1,000	76,673	95,009	0	0	0	0	451,237	2,751	0	0	453,988	548,997	
1977	9,339	3,497	2,938	0	55,046	70,820	0	0	0	0	309,699	1,317	0	0	311,016	381,836	
1978	9,593	3,103	1,964	0	35,008	49,668	0	0	0	0	267,668	578	0	0	268,246	317,914	
1979	7,531	791	1,202	0	21,698	31,222	0	0	0	0	196,073	26,040	0	0	222,113	253,335	
1980	4,248	390	487	1	38,138	43,264	0	0	0	0	468,952	2,722	0	0	471,674	514,938	
1981	1,387	301	50	0	10,239	11,977	0	0	0	0	83,497	27,504	0	0	111,001	122,978	
1982	1,975	11,758	1,540	0	2,860	18,133	0	0	0	0	630,153	0	0	0	630,153	648,286	
1983	453	6,849	264	0	326	7,892	0	0	0	0	637,942	17,569	0	0	655,511	663,403	
1984	199	2,968	221	0	254	3,642	0	0	0	0	317,525	58,317	2,114	0	377,956	381,598	
1985	0	44	0	0	0	44	0	0	0	0	157,482	2,468	0	0	159,950	159,994	
1986	0	0	0	0	0	0	0	0	0	0	3,000	0	0	3,000	3,000		
1987	3,011	2,672	217	0	180	6,080	0	0	0	0	175	1,363	0	0	1,538	7,638	
1988	742	778	197	0	511	2,228	0	0	0	0	209,583	893	235	0	210,711	212,939	
1989	0	4,116	0	51	1,995	6,162	0	0	0	0	246,866	928	527	0	248,321	254,483	
1990	0	365	0	0	0	365	0	1,287	0	1,287	15,186	13,143	0	0	29,616	29,981	
1991	0	415	2	0	0	417	0	0	0	0	302,550	228	0	0	302,778	303,195	

Table 8.8. Ex-vessel value (\$) of each species landed commercially from the East Matagorda Bay system, 1972-1991.

Year	Finfish										Shellfish					Grand Total									
	Black drum		Flounder		Sheeps-head		Mullet		Other		Total		Brown and pink		Shrimp		Blue crab		Eastern oyster		Other		Total		
1972	1,790	561	288	66	21,377	24,082	0	6,161	0	42,199	31,473	0	79,833	103,916											
1973	1,904	679	658	0	29,639	32,880	0	50,950	0	100,831	8,183	0	159,963	192,843											
1974	649	521	195	0	14,201	15,565	0	0	0	49,863	11,820	0	61,683	77,249											
1975	1,068	4,422	524	0	19,198	25,213	0	0	0	87,211	6,540	0	93,751	118,964											
1976	1,588	3,016	724	100	27,081	32,510	0	0	0	78,574	2,163	0	80,737	113,247											
1977	2,556	2,112	706	0	25,576	30,950	0	0	0	75,881	1,224	0	77,105	106,055											
1978	2,758	2,275	551	0	22,529	28,112	0	0	0	66,481	792	0	67,273	95,365											
1979	2,653	612	486	0	18,125	21,876	0	0	0	48,079	38,020	0	86,099	107,974											
1980	1,768	390	207	0	35,543	37,909	0	0	0	123,062	3,861	0	126,923	164,832											
1981	905	342	34	0	10,432	11,713	0	0	0	23,578	43,804	0	67,381	79,094											
1982	1,455	10,813	1,087	0	2,477	15,833	0	0	0	189,697	0	0	189,697	205,530											
1983	316	8,384	117	0	285	9,102	0	0	0	157,133	26,985	0	184,118	193,220											
1984	142	3,189	99	0	121	3,551	0	0	0	73,935	96,488	519	170,941	174,492											
1985	0	54	0	0	0	54	0	0	0	37,847	4,221	0	42,068	42,122											
1986	0	0	0	0	0	0	0	0	0	900	0	0	900	900											
1987	2,559	4,031	54	0	27	6,671	0	0	0	69	2,294	0	2,363	9,034											
1988	650	1,362	99	0	165	2,276	0	0	0	85,108	1,836	81	87,025	89,300											
1989	0	5,364	0	20	758	6,143	0	0	0	113,861	1,698	159	115,716	121,859											
1990	0	599	0	0	0	599	0	2,693	0	3,797	35,727	0	42,217	42,815											
1991	0	716	1	0	0	717	0	0	0	130,669	468	0	131,137	131,854											

Table 8.9. Weight (lb) of each species landed commercially from the San Antonio Bay system, 1972-1991.

Year	Finfish										Shrimp				Shellfish			Grand Total
	Black drum	Flounder	Sheeps-head	Mullet			Total	Brown and Pink	Shrimp		Total	Blue crab	Eastern oyster	Other	Total			
				Mullet	Other	White			Other									
1972	27,996	6,646	13,393	1,800	111,905	161,740	88,319	886,270	0	974,589	995,493	397,557	100	2,367,739	2,529,479			
1973	52,770	6,258	15,228	4,600	179,415	258,271	323,043	840,655	0	1,163,698	859,003	134,534	0	2,157,235	2,415,506			
1974	109,699	27,662	8,974	0	275,657	421,992	67,137	634,634	0	701,771	1,124,349	196,622	0	2,022,742	2,444,734			
1975	92,071	19,144	27,739	9,900	313,991	462,845	369,527	774,267	0	1,143,794	1,539,148	123,955	0	2,806,897	3,269,742			
1976	55,800	23,936	20,539	0	280,925	381,200	259,532	696,027	0	955,559	2,140,387	279,221	0	3,375,167	3,756,367			
1977	39,889	15,012	6,523	188	140,395	202,007	231,099	1,428,055	0	1,659,144	2,181,587	438,391	50	4,279,172	4,481,179			
1978	31,040	11,857	11,544	574	88,735	143,750	685,755	630,176	0	1,315,931	1,925,483	560,780	0	3,802,194	3,945,944			
1979	8,679	5,083	5,903	0	64,837	84,502	738,899	952,150	0	1,691,049	2,681,111	600,745	0	4,972,905	5,057,407			
1980	17,636	10,073	4,851	0	143,385	175,945	1,173,366	559,288	0	1,732,674	3,011,967	361,303	0	5,105,944	5,281,889			
1981	9,887	11,426	2,939	30,381	67,049	121,682	736,031	587,894	0	1,323,925	3,211,057	142,641	0	4,677,623	4,799,305			
1982	352	9,226	388	0	0	9,966	809,548	450,250	0	1,259,798	2,310,435	53,925	0	3,624,158	3,634,124			
1983	6,694	6,070	3,177	215	641	16,797	1,094,207	385,703	0	1,479,910	2,546,789	635,624	70	4,662,393	4,679,190			
1984	7,489	8,437	7,358	2,848	8,742	34,874	1,113,827	745,136	0	1,858,963	1,423,640	1,937,344	4,287	5,224,234	5,259,108			
1985	7,934	14,298	9,576	615	3,757	36,180	1,205,250	680,398	0	1,885,648	2,987,746	1,500,343	47,290	6,421,027	6,457,207			
1986	11,940	10,678	8,456	283	2,456	33,813	1,519,625	809,840	0	2,329,465	1,715,997	1,627,795	34,634	5,707,691	5,741,704			
1987	16,273	25,384	3,995	109,407	1,547	156,606	1,830,240	940,009	0	2,770,249	4,775,613	93,137	3,479	7,642,478	7,799,084			
1988	4,396	31,195	2,093	0	2,705	40,389	1,989,771	616,310	0	2,606,081	2,741,866	8,927	154	5,357,028	5,397,417			
1989	427	17,694	1,976	0	263	20,560	1,910,911	328,901	0	2,239,811	1,476,655	139,844	2,345	3,858,658	3,879,218			
1990	34	14,143	1,988	0	27,434	43,599	1,705,301	1,039,699	0	2,744,999	2,600,358	591,155	51,980	5,988,492	6,032,091			
1991	0	15,473	838	0	1,104	17,415	1,636,457	1,294,071	0	2,930,528	1,621,734	625,687	281,133	5,459,082	5,476,497			

Table B.10. Ex-vessel value (\$) of each species landed commercially from the San Antonio Bay system, 1972-1991.

Year	Finfish										Shrimp					Shellfish					Grand Total		
	Black drum		Flounder		Sheepshead	Mullet		Other		Total	Brown and Pink		White		Total	Blue crab		Eastern oyster		Other		Total	
1972	3,066	2,035	1,443	72	31,830	38,445	15,164	544,878	0	560,042	99,539	218,550	15	878,146	916,590								
1973	6,907	2,258	2,107	270	58,503	70,046	134,617	608,203	0	742,820	106,190	153,089	0	1,002,099	1,072,145								
1974	15,720	11,190	1,110	0	95,969	123,989	16,350	408,548	0	424,898	152,447	189,627	0	766,972	890,961								
1975	16,363	8,609	2,532	785	122,533	150,822	123,122	495,501	0	618,623	243,632	127,131	0	989,385	1,140,207								
1976	13,058	12,319	3,332	0	130,172	158,881	93,638	526,871	0	620,509	309,108	267,512	0	1,277,128	1,436,009								
1977	9,625	8,966	757	38	73,260	92,646	74,220	975,470	0	1,049,689	506,153	428,621	8	1,984,471	2,077,116								
1978	9,020	9,332	1,595	82	63,089	83,119	221,690	613,293	0	834,983	504,865	661,879	0	2,001,727	2,084,846								
1979	3,229	4,831	1,135	0	57,783	66,977	570,771	1,149,756	0	1,720,507	723,938	686,703	0	3,131,148	3,198,125								
1980	8,362	9,856	1,031	0	133,634	152,884	1,028,620	775,524	0	1,804,144	802,171	503,256	0	3,109,570	3,262,454								
1981	5,445	13,066	756	1,519	69,713	90,479	461,439	537,989	0	999,428	797,728	194,684	0	1,991,840	2,082,319								
1982	194	10,192	66	0	0	10,451	663,891	687,224	0	1,351,116	653,508	63,737	0	2,068,361	2,078,812								
1983	4,300	7,521	678	65	212	12,775	1,307,198	638,400	0	1,945,597	1,021,105	908,959	35	3,875,676	3,888,452								
1984	5,754	11,046	2,464	885	2,138	22,289	881,545	1,017,071	0	1,898,616	376,916	2,917,682	1,815	5,195,029	5,217,318								
1985	3,796	17,855	3,358	282	1,572	26,863	619,044	843,141	0	1,462,185	957,812	2,259,732	37,152	4,696,881	4,723,744								
1986	7,278	11,267	2,555	140	900	22,139	1,333,413	1,243,937	0	2,577,351	570,355	2,774,003	20,148	5,941,856	5,963,996								
1987	10,576	32,179	1,379	9,861	467	54,462	1,670,279	1,294,548	0	2,964,828	1,773,203	186,660	396	4,925,086	4,979,548								
1988	3,729	40,196	716	0	1,362	46,003	1,698,376	959,666	0	2,658,042	1,056,821	22,308	55	3,737,226	3,783,229								
1989	328	24,269	779	0	101	25,477	1,676,827	487,974	0	2,164,801	558,162	355,034	968	3,078,965	3,104,442								
1990	15	23,525	898	0	18,947	43,385	1,643,308	1,937,089	0	3,580,397	906,786	1,410,148	34,058	5,931,388	5,974,773								
1991	0	24,866	369	0	868	26,123	1,585,941	1,973,721	0	3,559,662	567,607	1,195,012	162,000	5,484,340	5,510,464								

Table B.11. Weight (lb) of each species landed commercially from the Aransas Bay system, 1972-1991.

Year	Finfish										Shrimp					Shellfish			Grand Total
	Black drum	Flounder	Sheeps head	Mullet			Total	Brown and Pink			White	Other	Total	Blue crab	Eastern oyster	Other	Total		
				Other	Total	Other		Total	Other	Total									
1972	91,561	36,867	18,442	8,074	528,730	683,694	137,494	1,261,494	0	1,398,988	1,338,870	60,553	0	2,798,411	3,482,105				
1973	128,985	19,607	44,186	8,685	517,209	718,652	872,186	997,602	0	1,869,788	1,272,791	9,940	0	3,152,519	3,871,171				
1974	118,308	43,524	52,350	3,500	471,798	689,480	210,910	448,238	0	659,148	1,079,923	9,888	0	1,748,359	2,437,839				
1975	118,035	65,520	27,073	8,795	500,670	720,093	486,664	589,222	0	1,075,886	892,434	12,381	0	1,980,701	2,700,794				
1976	173,178	89,454	49,203	342	835,620	1,147,797	732,643	576,593	0	1,309,236	1,318,761	24,158	521	2,652,676	3,800,473				
1977	123,441	68,100	37,993	2,048	430,746	662,328	473,954	1,781,140	0	2,255,094	2,244,568	65,573	0	4,565,235	5,227,563				
1978	81,282	41,200	33,778	1,870	252,656	410,786	659,810	993,356	0	1,653,166	2,051,177	119,994	0	3,824,337	4,235,123				
1979	24,064	42,414	21,264	1,051	185,366	274,159	1,427,626	1,227,415	0	2,655,041	2,436,264	96,013	0	5,187,318	5,461,477				
1980	36,919	58,005	11,954	14,951	251,814	373,643	1,010,885	824,648	0	1,835,533	2,716,056	21,588	0	4,573,177	4,946,820				
1981	20,618	46,985	26,932	3,197	81,037	178,769	1,744,416	726,693	0	2,471,109	1,777,297	62,369	0	4,310,775	4,489,544				
1982	36,491	119,852	59,483	8,851	800	225,477	1,916,457	841,457	0	2,737,914	2,150,379	51,509	125	4,959,927	5,185,404				
1983	51,850	67,796	27,397	13,608	4,561	165,210	3,122,304	792,925	0	3,915,229	2,508,983	117,119	105	6,541,436	6,706,646				
1984	16,790	75,233	5,510	0	102	97,635	2,789,635	1,747,920	0	4,537,555	2,129,660	359,952	2,400	7,029,567	7,127,202				
1985	15,656	44,605	11,265	0	6,300	77,826	2,551,706	806,467	252	3,358,425	2,231,473	216,817	5,080	5,811,795	5,889,621				
1986	47,641	90,467	15,980	33	3,640	157,761	2,365,073	1,591,075	0	3,956,148	936,042	97,126	6,938	4,996,254	5,154,015				
1987	46,396	70,065	29,887	49,681	2,758	198,787	3,308,913	1,155,994	0	4,464,907	1,685,562	433,189	32,432	6,614,090	6,812,877				
1988	37,447	27,885	3,917	1,178	9,230	79,657	2,789,878	1,050,430	0	3,840,308	2,571,851	276,385	175,450	6,863,994	6,943,651				
1989	2,094	15,375	165	3,600	64	21,298	1,987,067	215,814	0	2,182,882	405,087	118,617	115,552	2,822,138	2,843,436				
1990	26,170	9,738	1,866	6,561	811	45,146	3,558,134	1,917,668	0	5,475,802	766,104	11,237	118,173	6,371,316	6,416,462				
1991	23,989	33,976	517	0	345	58,827	4,883,333	2,239,425	0	7,122,758	861,207	0	44,322	8,028,287	8,087,114				

Table B.12. Ex-vessel value (\$) of each species landed commercially from the Aransas Bay system, 1972-1991.

Year	Finfish										Shellfish				Grand Total						
	Black drum		Sheeps-head		Mullet		Other		Total		Brown and Pink		Shrimp			Blue crab		Eastern oyster		Other	Total
	Flounder	Flounder	Sheeps-head	Sheeps-head	Mullet	Mullet	Other	Other	Total	Total	White	Other	Total	Total		Blue crab	Eastern oyster	Other			
1972	10,704	11,943	1,015	356	165,580	189,598	19,256	1,017,152	0	1,036,407	135,514	40,146	0	1,212,067	1,401,665						
1973	15,072	6,439	2,991	460	157,378	182,340	320,570	711,900	0	1,032,470	147,418	10,323	0	1,190,211	1,372,551						
1974	16,674	13,863	2,731	210	148,390	181,867	54,252	378,785	0	433,037	147,627	11,295	0	591,960	773,827						
1975	22,716	27,131	2,239	734	190,481	243,301	149,122	495,756	0	644,878	148,037	13,743	0	806,657	1,049,958						
1976	44,129	40,852	4,418	68	348,135	457,602	253,140	602,679	0	855,820	223,087	23,957	78	1,102,941	1,560,542						
1977	33,411	33,522	2,938	102	234,466	310,837	159,139	1,395,300	0	1,554,439	505,795	65,103	0	2,125,337	2,436,174						
1978	26,437	33,522	2,938	207	186,311	249,416	221,431	1,135,804	0	1,357,236	567,758	133,734	0	2,058,727	2,308,143						
1979	9,093	34,294	2,718	105	163,954	210,164	1,148,754	1,746,313	0	2,895,067	613,596	108,704	0	3,617,366	3,827,530						
1980	17,792	43,223	1,575	770	252,384	315,743	862,589	1,207,648	0	2,070,237	766,160	22,934	0	2,859,331	3,175,074						
1981	13,021	56,546	6,177	458	93,717	169,920	925,332	876,323	0	1,801,655	554,601	91,655	0	2,447,911	2,617,831						
1982	23,801	111,570	16,554	877	191	152,993	1,422,765	1,496,129	0	2,918,894	615,755	72,485	65	3,607,199	3,760,192						
1983	30,275	64,576	3,875	1,498	2,982	103,205	3,818,816	1,429,216	0	5,248,032	937,183	183,905	61	6,369,182	6,472,387						
1984	10,165	57,928	1,235	0	27	69,355	2,143,509	2,407,353	0	4,550,862	608,700	540,826	4,200	5,704,587	5,773,942						
1985	12,593	45,194	2,170	0	703	60,660	1,428,731	1,234,837	144	2,663,511	743,745	342,305	6,262	3,755,823	3,816,483						
1986	33,192	85,684	3,618	3	830	123,326	2,212,768	2,862,736	0	5,075,503	341,568	150,265	3,489	5,578,825	5,702,151						
1987	34,690	68,358	7,314	4,482	612	115,456	3,713,091	1,784,055	0	5,497,145	604,311	944,903	17,648	7,064,007	7,179,463						
1988	27,511	40,972	1,249	193	15,089	85,014	2,332,005	1,569,031	0	3,901,036	944,075	676,681	89,205	5,630,997	5,716,011						
1989	2,005	25,520	48	2,160	27	29,760	1,591,759	337,398	0	1,929,157	209,121	286,500	87,161	2,511,938	2,541,699						
1990	22,835	18,205	683	1,371	234	43,328	3,137,700	3,595,268	0	6,732,968	277,743	42,085	78,026	7,130,822	7,174,150						
1991	16,784	43,940	181	0	99	61,003	5,195,055	3,876,805	0	9,071,860	265,729	0	26,830	9,364,420	9,425,423						

Table B-13. Weight (lb) of each species landed commercially from the Corpus Christi Bay system, 1972-1991.

Year	Finfish										Shrimp*					Shellfish				Grand Total
	Black drum	Flounder	Sheeps-head	Mullet	Other	Total	Brown and Pink	White	Other	Total	Blue crab	Eastern oyster	Other	Total	Total					
1972	102,876	8,496	8,383	420	196,594	316,769	51,842	324,846	0	376,688	70,652	0	0	0	447,340	764,109				
1973	220,175	17,512	35,138	15,255	358,300	626,380	396,221	873,026	0	1,269,247	41,068	0	212	0	1,310,527	1,956,907				
1974	201,074	37,985	91,358	1,101	415,022	746,540	150,052	292,036	0	442,088	326,220	0	0	0	768,308	1,514,848				
1975	205,685	56,334	78,758	1,152	322,229	664,158	482,839	441,076	0	943,915	125,753	1,050	0	0	1,070,718	1,734,876				
1976	161,758	25,725	84,427	1,700	280,961	554,571	397,220	410,269	0	807,489	123,761	0	0	0	931,250	1,485,821				
1977	199,848	49,128	116,863	75	169,306	535,218	758,572	567,956	0	1,306,528	102,750	0	0	0	1,409,278	1,944,696				
1978	400,845	44,879	126,860	0	259,081	831,665	910,075	521,680	0	1,431,755	9,307	0	0	0	1,441,062	2,272,727				
1979	383,315	68,726	201,684	34,680	272,046	940,451	1,166,697	1,052,891	0	2,219,588	50,498	0	116	0	2,270,202	3,230,653				
1980	198,629	26,813	251,267	69,790	315,337	861,836	1,469,014	400,763	0	1,869,777	17,448	0	0	0	1,887,225	2,749,061				
1981	58,074	5,880	51,927	23,592	188,663	328,136	1,149,681	336,542	0	1,486,223	7,723	0	0	0	1,493,946	1,822,082				
1982	58,262	36,632	43,574	8,568	1,685	148,721	708,245	400,062	0	1,108,307	141,558	0	0	0	1,249,865	1,398,586				
1983	105,884	74,422	87,195	0	9,186	276,687	1,135,421	446,130	0	1,601,551	231,757	0	35	0	1,833,343	2,110,030				
1984	64,620	32,236	31,185	1,515	1,075	130,631	2,393,305	1,511,141	0	3,904,446	76,135	0	1,014	0	3,981,595	4,112,226				
1985	29,309	86,770	39,254	4,422	18,723	178,478	1,404,056	274,707	0	1,678,763	132,786	0	78,237	0	1,889,786	2,068,264				
1986	58,969	120,588	20,443	358	23,920	224,278	993,964	611,059	0	1,605,023	877,180	0	43,560	0	2,525,763	2,750,041				
1987	105,461	65,419	21,379	0	24,710	216,969	1,309,794	7643,332	0	2,074,126	267,622	403	18,302	0	2,360,453	2,577,422				
1988	136,953	33,082	59,716	0	2,289	232,040	981,943	463,379	0	1,445,322	202,774	175	37,377	0	1,685,648	1,917,688				
1989	63,773	7,757	2,535	0	2,103	76,168	895,123	88,119	0	983,242	948,543	0	29,743	0	1,961,528	2,037,696				
1990	151,628	9,634	540	354	8,629	170,785	1,976,752	1,344,875	0	3,321,627	665,532	35	21,234	0	4,008,428	4,179,213				
1991	112,772	44,831	4,485	3,412	17,165	182,665	2,415,302	988,471	331	3,404,104	105,211	280	6,991	0	3,516,586	3,699,251				

*Shrimp landings from the upper Laguna Madre were included in the Corpus Christi Bay System from 1974-84.

Table B.14. Ex-vessel value (\$) of each species landed commercially from the Corpus Christi Bay system, 1972-1991.

Year	Finfish										Shellfish					Total	Grand Total
	Black drum	Flounder	Sheeps-head	Mullet	Other	Total	Shrimp			Blue crab	Eastern oyster	Other					
							Brown and Pink	White	Other								
1972	11,897	2,505	420	51	59,340	74,213	7,652	267,860	0	275,512	7,065	0	0	282,577	356,791		
1973	28,518	5,357	1,962	805	107,710	144,351	161,261	743,259	0	904,520	4,569	0	32	909,121	1,053,472		
1974	34,893	11,183	4,979	105	136,863	188,022	38,059	296,269	0	334,328	44,340	0	0	378,668	566,690		
1975	38,408	20,221	3,937	77	127,412	190,054	130,410	470,171	0	600,581	20,980	1,335	0	622,896	812,951		
1976	44,543	11,161	6,386	205	110,364	172,659	172,648	442,337	0	614,985	21,409	0	0	636,394	809,054		
1977	59,304	29,919	7,736	4	91,430	188,393	301,665	442,067	0	743,732	25,808	0	0	769,540	937,933		
1978	153,759	35,306	11,977	0	178,792	379,833	395,437	692,600	0	1,088,038	2,137	0	0	1,090,174	1,470,007		
1979	165,489	55,658	25,873	2,562	199,250	448,833	1,040,519	1,646,613	0	2,687,133	10,907	0	23	2,698,063	3,146,896		
1980	108,898	21,889	29,992	5,029	302,716	468,525	1,199,080	592,841	0	1,791,921	7,819	0	0	1,799,740	2,268,265		
1981	34,387	5,938	7,860	2,118	199,312	249,616	788,033	439,698	0	1,227,731	3,850	0	0	1,231,581	1,481,197		
1982	39,150	35,720	10,638	728	849	87,086	620,283	696,440	0	1,316,723	43,920	0	0	1,360,642	1,447,728		
1983	68,644	72,870	22,966	0	1,552	166,032	1,419,771	896,435	0	2,316,407	93,369	0	18	2,409,793	2,575,825		
1984	39,855	30,909	5,985	169	246	77,165	1,955,025	1,969,798	0	3,924,824	27,079	0	507	3,952,409	4,029,574		
1985	23,813	82,569	7,756	444	3,263	117,845	1,016,135	366,653	0	1,382,788	44,889	0	59,735	1,487,411	1,605,256		
1986	36,612	108,600	4,764	45	5,808	155,830	1,146,130	904,608	0	2,050,737	273,693	0	29,259	2,353,689	2,509,519		
1987	61,085	62,060	5,479	0	8,284	136,908	1,710,235	1,193,495	0	2,903,730	102,021	1,449	8,309	3,015,509	3,152,416		
1988	119,231	40,652	17,647	0	1,374	178,904	1,025,838	629,518	0	1,655,356	80,745	500	22,318	1,758,919	1,937,823		
1989	70,311	11,863	1,007	0	1,734	84,916	897,135	132,617	0	1,029,752	384,931	0	19,314	1,433,997	1,518,913		
1990	214,047	16,226	254	237	7,093	237,858	1,832,124	2,478,481	0	4,310,605	310,237	40	16,294	4,635,175	4,873,033		
1991	129,487	62,426	1,733	1,733	15,336	209,834	2,730,046	1,792,181	215	4,522,442	43,907	1,152	3,935	4,571,435	4,781,269		

Ex-vessel value of shrimp from the upper Laguna Madre were included in the Corpus Christi Bay System from 1974-84.

Table B.15. Weight (lb) of each species landed commercially from the upper Laguna Madre system, 1972-1991.

Year	Finfish										Shellfish				Grand Total
	Black drum	Flounder	Sheeps-head	Mullet			Striping			Eastern oyster	Other	Total			
				Flounder	Mullet	Other	Total	Brown and Pink	White				Other	Total	
1972	493,569	10,284	50,681	662	520,016	1,075,212	1,610	10,010	0	11,620	4,166	0	0	15,786	1,090,998
1973	356,228	2,075	35,112	680	448,982	843,077	401,618	37,770	0	439,388	986	0	73	440,447	1,283,524
1974	498,034	9,338	81,502	421	740,444	1,329,739	0	0	0	0	2,002	0	0	2,002	1,331,741
1975	310,233	9,037	56,327	6,313	824,877	1,206,787	0	0	0	0	8,904	0	0	8,904	1,215,691
1976	612,140	6,316	72,032	2,871	646,572	1,339,931	0	0	0	0	815	0	0	815	1,340,746
1977	519,296	5,205	41,537	495	320,906	887,439	0	0	0	0	126,811	0	0	126,811	1,014,250
1978	558,303	4,166	24,681	2,337	203,401	792,968	0	0	0	0	159,917	0	0	159,917	952,465
1979	562,558	3,362	31,619	0	222,913	820,452	0	0	0	0	26,911	0	0	26,911	847,363
1980	512,336	8,559	46,722	0	449,003	1,016,620	0	0	0	0	6,688	0	0	6,688	1,023,308
1981	343,717	5,031	35,306	2	267,415	651,471	0	0	0	0	0	0	0	0	651,471
1982	778,749	21,881	60,695	0	312	861,637	0	0	0	0	8,913	0	0	8,913	870,550
1983	1,021,586	50,078	80,860	0	745	1,153,269	0	0	0	0	12,290	0	0	12,290	1,165,559
1984	373,819	28,287	43,586	0	1,569	447,261	0	0	0	0	19,727	0	0	19,727	466,988
1985	284,762	17,998	36,410	0	2,098	341,268	171,060	1,266	0	172,326	92,515	0	400	265,241	606,509
1986	293,320	24,618	27,383	0	2,080	347,401	80,975	171	0	81,146	76,286	0	310	157,742	505,143
1987	335,407	10,847	5,152	0	677	352,083	240,689	644	0	241,333	179,427	0	165	420,925	773,008
1988	207,626	4,993	4,810	0	1,868	219,097	268,061	2,929	0	270,990	102,815	438	96	374,339	593,436
1989	221,250	473	502	0	86	222,311	68,651	0	0	68,651	10,332	263	213	79,459	301,770
1990	218,050	918	497	0	201	219,666	7,053	19,992	0	27,046	25,767	0	3	52,816	272,482
1991	181,907	4,339	253	0	0	186,499	36,254	0	0	36,254	3,651	0	32	39,937	226,436

Striped Landings from the upper Laguna Madre were included in the Corpus Christi Bay System from 1974-84.

Table B.16. Ex-vessel value (\$) of each species landed commercially from the upper Laguna Madre Bay system, 1972-1991.

Year	Finfish										Shrimp					Grand Total			
	Black drum		Flounder		Sheeps-head		Mullet		Other		Total		Brown and Pink		White		Total		
1972	62,999	2,866	2,803	2,803	2,803	2,803	61	154,183	222,913	177	10,190	0	10,367	427	0	0	0	10,794	22,707
1973	48,924	628	1,932	1,932	1,932	1,932	75	155,321	206,880	136,554	31,895	0	168,449	99	0	22	0	168,570	375,450
1974	101,181	3,221	4,427	4,427	4,427	4,427	29	248,767	357,625	0	0	0	0	277	0	0	0	277	357,902
1975	66,594	3,751	4,091	4,091	4,091	4,091	696	329,056	404,188	0	0	0	0	1,529	0	0	0	1,529	405,717
1976	166,606	3,091	6,073	6,073	6,073	6,073	408	303,910	480,089	0	0	0	0	177	0	0	0	177	480,266
1977	165,428	3,272	3,130	3,130	3,130	3,130	50	186,770	358,650	0	0	0	0	28,854	0	0	0	28,854	387,504
1978	229,314	3,432	2,831	2,831	2,831	2,831	210	163,276	399,062	0	0	0	0	45,689	0	0	0	45,689	444,751
1979	244,453	3,312	5,231	5,231	5,231	5,231	0	206,270	459,266	0	0	0	0	6,836	0	0	0	6,836	466,102
1980	265,949	6,422	7,905	7,905	7,905	7,905	0	411,735	692,032	0	0	0	0	2,704	0	0	0	2,704	694,736
1981	199,135	5,602	7,457	7,457	7,457	7,457	0	293,588	505,782	0	0	0	0	0	0	0	0	0	505,782
1982	535,025	24,168	16,934	16,934	16,934	16,934	0	351	576,477	0	0	0	0	3,832	0	0	0	3,832	580,309
1983	708,864	53,945	22,016	22,016	22,016	22,016	0	1,063	785,887	0	0	0	0	6,073	0	0	0	6,073	791,960
1984	195,672	27,576	7,706	7,706	7,706	7,706	0	777	231,731	0	0	0	0	8,056	0	0	0	8,056	239,786
1985	164,454	18,347	7,320	7,320	7,320	7,320	0	1,816	191,937	107,763	1,313	0	109,076	30,882	0	200	0	140,158	332,095
1986	218,248	26,088	7,752	7,752	7,752	7,752	0	1,976	252,064	95,766	198	0	95,964	26,273	0	155	0	122,393	374,456
1987	282,555	9,909	1,678	1,678	1,678	1,678	0	178	284,320	350,840	1,317	0	351,158	74,901	0	58	0	427,116	721,437
1988	181,025	7,536	2,082	2,082	2,082	2,082	0	2,147	192,789	298,947	4,023	0	302,971	42,507	1,250	67	0	346,795	539,584
1989	224,635	928	311	311	311	311	0	55	225,928	75,313	0	0	75,313	5,693	720	100	81,826	307,754	
1990	241,716	2,007	255	255	255	255	0	262	244,239	11,842	27,500	0	39,342	13,268	0	3	0	52,613	296,852
1991	194,137	8,223	124	124	124	124	0	0	202,483	42,985	0	0	42,985	2,529	0	28	0	45,542	248,025

Ex-vessel value of shrimp from the upper Laguna Madre were included in the Corpus Christi Bay System from 1974-84.

Table B.17. Weight (lb) of each species landed commercially from the lower Laguna Madre system, 1972-1991.

Year	finfish										Shellfish				Grand Total	
	Black drum	Flounder	Sheeps-head	Mullet			Brown and Pink			Shrimp		Blue crab	Eastern oyster	Other		Total
				Mullet	Other	Total	Brown and Pink	White	Other	Total						
1972	280,428	14,612	19,032	0	960,232	1,274,304	0	0	0	0	0	0	1,190	0	1,190	1,275,494
1973	252,439	7,595	13,623	2,800	1,107,876	1,386,333	0	0	0	0	0	0	11,593	486	12,079	1,398,412
1974	319,978	26,301	27,821	341	1,196,897	1,571,338	0	0	0	0	0	0	12,700	3,264	15,964	1,587,302
1975	317,499	27,549	40,155	4,000	1,314,806	1,704,009	0	0	0	0	0	0	3,500	7,124	10,624	1,714,633
1976	932,614	43,817	39,326	2,150	1,310,104	2,328,011	0	0	0	0	0	0	298,952	4,591	303,543	2,631,554
1977	378,258	35,255	27,603	0	919,099	1,360,215	0	0	0	0	0	0	975,244	9,066	984,310	2,344,525
1978	492,760	12,552	60,371	824	770,241	1,336,748	0	0	0	0	0	0	196,070	3,071	199,205	1,535,953
1979	434,749	32,867	45,826	0	711,873	1,225,315	0	0	0	0	0	0	122,279	1,963	124,242	1,349,557
1980	210,016	11,334	82,148	269	716,138	1,019,905	0	0	0	0	0	0	518,342	15,494	533,836	1,553,741
1981	157,654	10,855	24,770	5,700	525,901	724,880	0	0	0	0	0	0	815,087	0	815,087	1,539,967
1982	274,561	33,825	11,273	0	1,955	321,614	0	0	0	0	0	0	747,180	3,572	750,752	1,072,366
1983	238,794	44,935	8,089	126	13,063	306,997	0	0	0	0	0	0	479,092	3,433	482,525	787,522
1984	136,526	10,082	2,917	0	58	149,583	0	0	0	0	0	0	355,207	3,276	358,483	508,066
1985	171,176	22,383	2,567	0	5,884	202,010	0	0	0	0	0	0	258,041	5,847	264,888	468,738
1986	120,296	78,686	2,632	39	11,253	212,906	0	0	0	0	0	0	229,754	123	229,877	442,783
1987	177,004	60,677	1,919	0	972	240,572	0	0	0	0	0	0	206,519	4,081	212,392	452,964
1988	79,884	58,817	2,658	0	15,870	157,229	0	0	0	0	0	0	700	9,069	9,769	166,998
1989	296,370	31,146	988	0	4,634	333,138	0	0	0	0	0	0	1,403	84,491	85,894	419,032
1990	256,313	28,831	3,493	0	15,402	304,039	337	0	0	0	0	337	977	5,200	6,514	310,553
1991	332,629	79,418	7,768	0	2,319	422,134	0	0	0	0	0	0	13,029	5,029	18,632	440,766

Table 8.18. Ex-vessel value (\$) of each species landed commercially from the Lower Laguna Madre Bay system, 1972-1991.

Year	Finfish										Shellfish				Grand Total
	Black drum		Flounder		Sheeps-head		Mullet		Total		Shrimp		Other		
1972	26,777	3,490	1,029	0	232,138	263,434	0	0	0	0	0	0	0	710	264,143
1973	27,987	2,068	936	140	312,990	344,120	0	0	0	0	0	0	0	498	345,618
1974	39,015	6,833	1,620	28	342,867	390,365	0	0	0	0	0	0	0	3,755	395,868
1975	44,416	9,035	2,715	360	422,812	479,339	0	0	0	0	0	0	0	8,000	487,934
1976	211,200	16,055	3,262	208	511,301	742,026	0	0	0	0	0	0	0	4,767	819,020
1977	84,438	16,293	2,140	0	428,088	530,960	0	0	0	0	0	0	0	8,956	779,436
1978	125,472	7,677	6,516	49	485,987	625,702	0	0	0	0	0	0	0	4,010	680,292
1979	141,055	27,729	4,953	0	564,040	737,777	0	0	0	0	0	0	0	2,235	770,811
1980	98,196	8,799	8,569	13	644,238	759,816	0	0	0	0	0	0	0	23,234	913,992
1981	86,387	11,610	3,882	570	600,866	703,314	0	0	0	0	0	0	0	0	937,603
1982	145,355	37,162	2,013	0	361	184,892	0	0	0	0	0	0	0	6,531	403,679
1983	126,295	45,582	1,108	57	3,543	176,585	0	0	0	0	0	0	0	5,796	365,929
1984	80,979	10,316	604	0	37	91,937	0	0	0	0	0	0	0	6,415	290,584
1985	122,414	24,367	672	0	3,542	150,995	0	0	0	0	0	0	0	11,732	253,206
1986	85,440	77,733	682	10	11,428	175,294	0	0	0	0	0	0	0	231	244,199
1987	100,984	59,353	604	0	438	161,379	0	0	0	0	0	0	0	8,446	225,307
1988	54,606	86,594	665	0	20,168	162,032	0	0	0	0	0	0	0	21,545	184,311
1989	153,078	32,544	255	0	2,733	188,610	0	0	0	0	0	0	0	343,604	533,084
1990	103,334	32,236	1,254	0	7,529	144,352	590	0	0	0	0	0	0	16,197	161,827
1991	163,571	68,987	1,414	0	1,109	235,061	0	0	0	0	0	0	0	12,618	252,600

Appendix C. Weight (lb) and ex-vessel value (\$), by grid zone, of commercial finfish and shellfish, except shrimp, landings from the Gulf of Mexico off Texas during 1972-1991.

Table C.1. Weight (lb) of each species, except shrimp, landed commercially from the Gulf of Mexico grid zone 17.0 during 1972-1991.

Year	Sheeps-head			Finfish				Shellfish			Grand Total	
	Black drum	Flounder	Mullet	Cobia	Grouper	Snapper	Other	Total	Blue crab	Other		Total
1972	8,648	20,354	22,442	0	15,729	111,241	56,931	235,345	0	0	0	235,345
1973	4,594	16,800	9,662	0	8,566	88,998	34,566	163,206	93,037	0	93,037	256,243
1974	3,550	22,599	14,219	0	6,825	22,636	44,171	148,260	0	0	0	148,260
1975	9,047	15,638	7,034	0	2,669	23,008	40,407	97,803	1,382	0	1,382	99,185
1976	2,349	13,698	2,835	0	1,550	29,209	20,116	68,157	501	0	501	68,658
1977	5,810	2,888	1,615	200	629	36,211	9,105	56,458	0	0	0	56,458
1978	20,455	2,539	143	0	0	1,546	3,480	28,163	1,268	13	1,281	29,444
1979	114	1,176	587	0	0	3,222	3,772	8,871	100	0	100	8,971
1980	113	3,619	471	0	582	825	4,679	10,289	3,149	0	3,149	13,438
1981	71	2,816	532	0	4	235	2,485	6,762	5,860	0	5,860	12,622
1982	62	4,010	1,450	0	0	0	2,131	7,653	2,555	114	2,669	10,322
1983	247	3,715	4,74	0	0	0	2,441	12,426	5,355	150	5,505	17,931
1984	307	4,112	171	0	199	6,102	966	11,657	962	200	1,162	13,019
1985	20	9,021	184	0	14,515	17,193	8,064	49,007	2,211	71	2,282	51,289
1986	1,735	15,135	2,721	337	26,573	107,410	24,940	178,851	29,910	5,467	35,377	214,228
1987	49,541	30,645	12,525	766	5,203	63,586	27,413	189,679	19,365	4,720	24,085	213,764
1988	161,158	19,457	4,566	275	46,827	35,649	527,142	795,074	33,424	6,188	39,612	834,686
1989	374	9,490	1,312	475	5,553	22,588	125,483	165,275	32,742	5,747	38,489	203,764
1990	2,755	12,772	161	1,931	643	19,722	25,553	63,537	26,727	3,370	30,097	93,634
1991	68	2,902	431	134	569	17,966	6,978	37,321	9,574	307	9,881	47,202

Table C.2. Ex-vessel value (\$) of each species, except shrimp, landed commercially from the Gulf of Mexico grid zone 17.0 during 1972-1991.

Year	Black Drum			Sheeps-head		Finfish			Shellfish			Grand Total	
	Black Drum	Flounder	Sheeps-head	Mullet	Cobia	Grouper	Shrimp	Other	Total	Blue Crab	Other		Total
1972	1,141	5,809	2,330	0	0	1,988	51,966	11,119	74,354	0	0	0	74,354
1973	583	5,808	1,119	0	0	1,222	46,982	9,531	65,244	8,954	0	8,954	74,198
1974	496	7,088	1,618	0	0	914	30,560	12,456	53,133	0	0	0	53,133
1975	1,407	5,966	995	0	0	395	16,352	11,600	34,734	166	0	166	34,900
1976	436	5,250	494	0	0	23	24,103	5,817	36,123	60	0	60	36,183
1977	1,558	1,529	332	0	50	159	32,953	3,099	39,679	0	0	0	39,679
1978	4,091	1,222	17	0	0	0	1,726	831	7,886	159	3	162	8,048
1979	23	621	139	0	0	0	4,280	4,025	9,086	30	0	30	9,116
1980	16	2,238	53	0	0	262	1,170	756	4,495	694	0	694	5,190
1981	17	1,562	141	71	0	1	458	481	2,732	1,519	0	1,519	4,252
1982	20	2,237	302	0	0	0	0	357	2,916	741	46	787	3,703
1983	70	2,224	106	0	0	0	0	377	11,840	2,545	60	2,605	14,444
1984	94	3,314	37	0	0	328	11,049	169	14,993	333	160	473	15,466
1985	5	7,180	49	0	0	21,107	33,145	4,222	65,706	887	27	915	66,621
1986	1,158	12,125	861	0	235	36,456	209,631	16,227	276,492	15,374	3,137	18,510	295,003
1987	36,173	26,224	4,002	0	649	7,909	119,165	11,606	205,748	7,884	2,088	9,973	215,720
1988	77,572	17,516	2,096	0	275	58,508	70,397	734,136	960,518	14,682	3,008	17,690	978,207
1989	306	8,735	516	0	434	6,612	47,807	298,504	323,085	16,136	1,679	17,815	340,900
1990	2,455	14,096	61	0	1,791	1,013	39,766	8,351	67,533	14,243	1,764	16,007	83,541
1991	17	2,695	164	2,482	124	981	36,832	2,164	45,458	3,949	179	4,128	49,586

Table C.3. Weight (lb) of each species, except shrimp, landed commercially from the Gulf of Mexico grid zone 18.0 during 1972-1991.

Year	Finfish										Shellfish		Grand Total
	Black drum	Flounder	Sheeps-head	Mullet	Cobia	Groper	Snapper	Other	Total	Blue crab	Other	Total	
1972	43,214	106,855	50,831	8,747	18,509	17,916	138,002	325,982	691,056	14,405	2,442	16,867	707,923
1973	18,278	83,295	29,712	10,403	14,717	22,056	104,610	587,785	870,856	75,010	904	75,914	946,770
1974	9,460	89,370	40,897	38,735	12,511	21,612	152,343	360,570	725,498	39,804	10,134	49,938	775,436
1975	7,992	67,840	26,598	527	17,807	20,999	111,594	348,137	601,594	37,960	3,630	41,590	643,184
1976	12,249	60,404	33,715	225	17,651	20,945	110,194	318,080	581,483	19,771	4,941	24,712	606,195
1977	28,881	55,084	24,444	535	13,865	8,158	97,198	267,071	495,216	11,038	7,813	18,851	514,067
1978	4,955	32,429	8,924	1,340	10,124	17,470	100,449	123,241	298,932	502	11,164	11,666	310,598
1979	14,324	20,653	17,147	2,753	65,629	7,020	62,133	189,101	318,760	417	577	994	319,754
1980	7,181	35,081	4,856	1,076	1,700	13,957	38,750	73,282	195,883	485	0	485	196,368
1981	4,900	16,644	6,657	9,701	8,289	4,796	21,231	25,944	98,162	519	0	519	98,681
1982	4,683	56,556	15,794	3,204	15,332	20,477	97,911	33,332	237,489	121	1,310	1,431	238,920
1983	2,137	37,650	2,264	19,922	6,997	6,876	97,665	14,115	187,626	26,709	1,288	27,997	215,623
1984	3,048	32,948	7,403	9,350	5,342	5,822	50,802	17,010	131,945	26,378	13,380	39,758	171,703
1985	5,452	27,310	8,062	39,653	1,097	14,389	104,567	65,428	266,158	21,566	7,031	28,597	294,755
1986	2,131	19,608	7,013	3,621	6,260	30,075	314,680	139,110	522,699	40,587	3,636	44,243	566,742
1987	2,289	6,296	8,200	710	1,864	172,058	294,123	251,351	734,971	2,816	6,989	9,805	746,776
1988	1,135	1,748	2,175	0	757	169,093	180,803	135,070	490,781	8,126	618	8,744	499,525
1989	118	7,747	3,010	2,498	1,977	90,064	173,502	153,270	432,188	52	52	53,503	985,691
1990	89	5,438	100	30	421	24,783	143,628	55,766	230,255	5,447	1,082	6,529	236,884
1991	626	7,704	724	10,232	500	19,343	112,694	16,350	167,876	806	2,251	3,057	170,933

Table C.4. Ex-vessel value (\$) of each species, except shrimp, landed commercially from the Gulf of Mexico grid zone 18.0 during 1972-1991.

Year	Black drum				Sheepshead				Finfish				Shellfish				Grand Total
	Flounder	Mullet	Cobia	Grouper	Snapper	Other	Total	Blue crab	Other	Total	Blue crab	Other	Total	Other	Total		
1972	2,863	29,901	4,890	2,221	67,045	55,107	164,802	1,141	348	1,489	166,291						
1973	2,384	29,202	3,679	3,313	56,653	169,304	267,329	13,404	138	13,542	280,871						
1974	1,212	28,669	4,724	3,231	96,378	73,427	211,927	3,455	1,672	5,127	217,054						
1975	1,431	24,339	3,440	3,810	75,135	105,837	217,599	4,366	771	5,137	222,736						
1976	2,162	31,275	5,232	4,102	87,926	107,462	241,817	2,566	1,291	3,858	245,675						
1977	6,143	28,294	4,440	1,908	85,615	98,969	229,904	2,199	2,218	4,417	234,411						
1978	1,095	18,076	1,413	4,369	94,225	41,957	165,051	91	3,189	3,280	168,331						
1979	5,221	13,944	3,082	2,838	74,382	97,241	199,514	146	179	325	199,839						
1980	1,630	24,686	1,057	5,504	78,031	53,889	165,842	118	0	118	165,959						
1981	1,044	11,550	1,324	2,536	28,410	14,844	65,297	208	0	208	65,505						
1982	1,905	48,193	4,289	5,367	168,972	7,810	246,085	48	558	606	246,694						
1983	1,885	23,658	3,619	4,177	144,161	3,676	185,325	7,188	501	7,689	193,014						
1984	1,099	22,016	1,698	4,279	85,622	8,353	127,634	6,616	4,769	11,385	139,020						
1985	3,281	24,838	1,892	10,605	183,406	45,492	278,544	5,848	3,677	9,526	288,070						
1986	1,144	15,162	2,042	38,887	567,374	195,470	824,824	12,806	1,708	14,514	839,339						
1987	6,692	6,035	2,703	231,745	560,635	471,118	1,274,573	928	2,792	3,720	1,278,303						
1988	431	2,311	774	285,690	401,660	116,484	807,929	3,824	210	4,033	811,962						
1989	56	8,800	753	149,580	398,581	163,551	723,355	262,008	24	262,032	985,387						
1990	29	5,364	32	42,536	302,494	51,377	402,170	3,125	630	3,756	405,926						
1991	350	7,806	190	33,158	236,356	13,112	295,506	370	768	1,139	296,644						

Table C.5. Weight (lb) of each species, except shrimp, landed commercially from the Gulf of Mexico grid zone 19.0 during 1972-1991.

Year	Black drum				Sheeps-head			Finfish			Shellfish				Grand Total
	Flounder	Mullet	Cobia	Groper	Shrimp	Other	Total	Blue crab	Other	Total	Blue crab	Other	Total		
1972	10,274	99,502	8,240	10,048	239,690	10,327	4,75,370	0	199	4,739	0	199	199	475,569	
1973	22,703	93,619	9,973	23,865	206,663	296,491	691,107	0	1,555	4,151	0	1,555	1,555	692,662	
1974	13,966	101,183	5,185	15,966	173,127	263,607	596,351	156	344	4,725	156	344	500	596,851	
1975	4,686	89,944	4,378	12,826	134,793	136,587	393,990	0	555	8,816	0	555	555	394,545	
1976	21,860	65,359	7,678	17,424	134,083	92,422	362,907	0	1,133	2,767	0	1,133	1,133	364,040	
1977	10,039	33,124	1,953	5,340	57,780	24,557	135,372	137	532	1,176	137	532	669	366,040	
1978	4,464	6,646	653	3,538	69,671	7,143	103,372	0	50	1,616	0	50	50	136,041	
1979	8,555	1,208	1,949	10,972	69,671	7,143	103,372	0	50	1,616	0	50	50	103,422	
1980	1,356	2,265	1,700	2,698	41,243	55,955	139,739	0	0	0	0	0	0	139,739	
1981	1,356	689	1,020	5,214	70,449	17,191	101,280	0	0	0	0	0	0	101,280	
1982	470	19,412	848	10,848	49,506	13,852	81,767	0	0	2,128	0	0	0	81,767	
1983	3,042	25,268	691	22,364	81,760	20,768	166,165	2,611	0	4,739	2,611	0	4,739	168,904	
1984	1,204	24,865	403	13,258	134,083	68,331	248,938	0	4,151	4,151	0	4,151	4,151	253,089	
1985	2,544	17,593	772	117,476	116,553	162,669	420,668	7,216	0	8,816	7,216	0	11,941	432,609	
1986	893	4,375	118	40,971	80,065	122,677	250,362	6,000	2,816	1,767	6,000	2,816	8,816	259,178	
1987	1,297	24,006	43	14,571	44,147	37,504	126,129	14,409	1,767	16,176	14,409	1,767	16,176	142,305	
1988	3,307	28,861	1,035	148,631	185,730	147,817	518,522	43,563	3,250	46,813	43,563	3,250	46,813	565,335	
1989	2,022	30,440	982	101,148	116,428	95,976	350,922	1,857	0	5,493	1,857	0	5,493	356,415	
1990	4,676	38,353	1,007	39,625	118,803	49,594	258,250	283	5,270	5,553	283	5,270	5,553	263,803	
1991	259	26,121	619	28,902	71,473	27,858	161,209	0	2,067	2,067	0	2,067	2,067	163,276	

Table C.6. Ex-vessel value (\$) of each species, except shrimp, landed commercially from the Gulf of Mexico grid zone 19.0 during 1972-1991.

Year	Black drum				Sheeps-head				Finfish				Shellfish				Grand Total
	Black drum	Flounder	Sheeps-head	Mullet	Cobia	Grouper	Snapper	Other	Total	Blue crab	Other	Total	Blue crab	Other	Total		
1972	1,234	27,494	942	150	342	1,353	107,237	25,353	164,105	0	31	31	0	31	164,136		
1973	2,899	25,653	1,219	2,108	69	4,093	111,236	65,614	212,912	0	191	191	0	191	213,103		
1974	1,907	28,099	515	1,073	837	1,693	93,218	55,482	182,824	19	69	88	19	88	182,911		
1975	737	29,590	537	1,111	1,192	2,054	74,542	26,981	135,744	0	96	96	0	96	135,841		
1976	4,560	19,095	1,000	1,415	1,323	3,588	82,462	23,571	136,974	0	308	308	0	308	137,282		
1977	1,951	16,541	340	26	981	1,070	39,625	11,471	72,005	29	113	142	29	113	72,146		
1978	1,022	3,452	33	76	922	2,174	63,696	3,894	75,269	0	13	13	0	13	75,282		
1979	2,992	658	299	2,002	460	745	43,731	39,865	90,743	0	0	0	0	0	90,743		
1980	380	1,999	243	500	268	2,418	114,452	13,087	133,139	0	0	0	0	0	133,139		
1981	285	563	34	0	2,928	5,182	74,469	15,323	98,984	0	0	0	0	0	98,984		
1982	94	18,459	186	0	4,020	17,093	271,640	5,576	317,069	0	0	0	0	0	317,069		
1983	1,654	18,931	88	18	5,267	22,820	119,929	6,230	174,958	640	1,009	1,649	640	1,009	176,587		
1984	683	17,432	96	188	4,835	11,957	242,155	22,956	300,282	0	2,854	2,854	0	2,854	303,136		
1985	894	13,455	61	0	1,674	105,342	220,532	131,010	472,968	1,798	4,069	5,868	1,798	4,069	478,335		
1986	424	3,717	41	0	805	34,532	137,600	221,636	398,756	2,050	769	2,819	2,050	769	401,575		
1987	708	21,501	11	0	2,872	15,590	67,449	20,403	128,735	3,602	511	4,114	3,602	511	132,849		
1988	4,634	25,786	249	186	1,803	202,085	343,854	129,405	708,202	12,981	857	13,838	12,981	857	722,060		
1989	1,544	36,508	255	30	5,070	132,304	231,038	78,388	485,158	1,102	1,620	2,722	1,102	1,620	487,880		
1990	3,296	41,142	258	129	5,931	57,751	221,072	24,204	343,783	57	1,724	1,781	57	1,724	345,564		
1991	114	33,686	168	52	5,443	44,125	132,247	17,641	233,396	0	996	996	0	996	234,392		

Table C-9. Weight (lb) of each species, except shrimp, landed commercially from the Gulf of Mexico grid zone 21.0 during 1972-1991.

Year	Black drum			Sheeps-head			Finfish			Shellfish			Grand Total
	Flounder	Mullet	Cobia	Grouper	Snapper	Other	Total	Blue crab	Other	Total			
1972	750	0	0	50,956	726,173	34,567	916,325	0	0	0	0	916,325	
1973	14,505	13,324	396	45,632	378,081	95,020	600,985	0	0	0	0	600,985	
1974	35,640	13,184	0	42,735	364,477	185,202	768,704	0	0	0	0	768,704	
1975	39,693	78,246	1,733	35,271	357,973	345,785	871,971	400	0	400	0	872,371	
1976	55,541	36,148	4,017	35,218	221,606	175,048	537,426	0	0	0	0	539,533	
1977	17,966	9,091	1,775	9,673	248,811	20,235	313,460	0	0	0	0	313,639	
1978	3,326	1,129	339	11,467	216,827	36,166	300,261	0	0	0	0	300,261	
1979	3,659	2,651	0	4,582	104,134	3,482	125,443	0	0	0	0	125,443	
1980	3,357	4,134	0	3,335	101,584	868	113,342	0	0	0	0	113,342	
1981	7,972	8,390	0	14,194	94,833	53,254	180,737	0	0	0	0	180,737	
1982	18,158	16,070	0	24,708	117,550	53,921	231,129	0	0	0	0	231,129	
1983	6,563	8,339	237	5,531	76,920	30,259	128,276	460	0	1,655	0	130,388	
1984	21,717	3,240	41	8,130	184,674	40,423	258,852	0	0	0	0	258,852	
1985	2,408	12,070	0	26,276	267,274	51,042	359,402	0	0	0	0	359,402	
1986	3,007	6,617	900	36,698	197,243	78,307	323,132	0	0	0	0	323,132	
1987	18,446	2,228	153	112,194	138,835	58,997	334,639	6,356	0	7,033	0	338,028	
1988	9,897	865	161	24,439	294,592	59,448	394,509	393	802	1,195	0	396,038	
1989	119	535	723	45,496	209,656	92,742	359,603	901	628	1,529	0	360,920	
1990	5,033	37	333	20,298	196,611	98,951	323,742	372	9,945	10,317	0	326,010	
1991	1,267	995	0	8,729	98,634	122,843	233,248	833	1,876	2,709	0	235,957	

Table C.10. Ex-vessel value (\$) of each species, except shrimp, landed commercially from the Gulf of Mexico grid zone 21.0 during 1972-1991.

Year	Black drum			Sheeps-head			Finfish			Shellfish			Grand Total
	Black drum	Flounder	Sheeps-head	Mullet	Cobia	Grouper	Snapper	Other	Total	Blue crab	Other	Total	
1972	75	19,143	0	240	0	5,077	335,073	5,712	365,320	0	0	0	365,320
1973	1,442	11,066	676	89	59	5,848	185,244	13,345	217,769	0	0	0	217,769
1974	3,836	22,761	680	1,484	0	5,104	195,479	21,383	250,737	0	0	0	250,737
1975	3,158	20,151	276	353	260	4,952	229,369	41,430	299,948	40	0	40	299,988
1976	8,780	10,733	661	200	60	6,878	196,657	25,505	211,274	0	274	274	211,548
1977	2,269	2,644	430	0	198	2,016	262,670	2,895	273,122	0	36	36	273,158
1978	597	1,262	169	1,917	0	3,216	243,851	14,057	265,186	0	0	0	265,186
1979	549	1,245	293	0	0	3,111	139,158	2,780	147,136	0	0	0	147,136
1980	1,018	2,259	10	0	0	1,548	157,617	511	162,962	0	0	0	162,962
1981	3,206	6,910	189	0	0	6,470	164,485	31,989	213,250	0	0	0	213,250
1982	6,288	13,171	143	0	0	20,256	227,405	12,793	280,056	0	390	390	280,446
1983	3,038	6,375	39	60	9	4,867	110,355	7,248	131,991	245	409	654	132,646
1984	6,111	2,420	103	0	29	5,840	335,987	15,555	366,145	0	523	523	366,668
1985	693	11,409	53	0	0	19,723	490,787	25,120	547,785	0	620	620	548,405
1986	1,135	5,348	162	315	134	35,536	358,482	57,023	458,155	2,161	247	2,408	460,562
1987	17,835	2,122	1,267	0	0	152,766	236,786	62,723	473,499	134	660	794	474,293
1988	7,176	1,014	1,040	0	156	21,283	561,805	90,271	682,744	937	241	1,178	683,923
1989	2,215	1,772	2,066	0	551	43,367	369,200	108,598	524,634	376	1,543	1,919	526,553
1990	1,536	1,882	6	0	195	17,849	301,704	128,674	452,524	0	1,875	1,875	454,400
1991	1,536	1,209	0	0	508	7,299	145,065	244,239	399,855	333	503	837	400,692

Appendix D. Monthly commercial finfish and shellfish landings (lb) and ex-vessel value (\$) by bay system for Texas bays during 1991.

Table D.1. Weight (lb) of each species landed commercially from the Sabine Lake system during 1991.

Species	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
FISH													
Alligator gar	0	0	0	0	0	213	513	0	0	0	0	0	726
Atlantic croaker	0	0	0	0	0	15	0	0	0	0	0	0	15
Black drum	115	308	54	165	0	17	20	0	10	0	0	0	669
Flounder, unclassified	0	2	20	13	0	61	0	15	0	155	1,509	0	1,775
Gafftopsail catfish	0	0	0	0	0	0	0	0	0	25	12	0	37
Kingfish, unclassified	0	0	20	15	0	310	25	31	25	30	35	0	491
Mullet, unclassified	0	0	0	0	0	0	0	0	0	0	1,860	0	1,860
Others, unknown	0	0	0	0	0	0	49	0	0	0	0	0	49
Sea trout, sand	0	0	0	0	0	0	0	0	0	42	0	0	42
Sheepshead	113	6	10	75	0	142	15	20	21	0	0	0	402
Total finfish	228	316	104	248	0	758	622	66	56	252	3,416	0	6,066
SHELLFISH													
Shrimp (heads on)	0	0	0	0	0	1,726	241	0	0	0	0	0	1,967
Shrimp, brown	0	0	0	0	0	1,782	1,078	213	0	0	0	0	3,072
Shrimp, white	0	0	0	0	0	3,508	1,319	213	0	0	0	0	5,040
Total shrimp	0	0	0	0	0	5,234	2,397	426	0	0	0	0	8,072
Crab, blue	18,422	26,938	28,284	39,807	41,275	56,678	67,026	95,818	125,872	75,394	63,779	57,092	696,385
Squid, unclassified	0	0	0	0	0	57	0	0	0	0	0	0	57
Total shellfish	18,422	26,938	28,284	39,807	41,275	60,243	68,345	96,031	125,872	75,394	63,779	57,092	701,482
Grand Total	18,650	27,254	28,388	40,055	41,275	61,001	68,967	96,097	125,928	75,646	67,195	57,092	707,548

Table D.2. Ex-vessel value (\$) of each species landed commercially from the Sabine Lake system during 1991.

Species	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
FINFISH													
Alligator gar	0	0	0	0	0	266	361	0	0	0	0	0	628
Atlantic croaker	0	0	0	0	0	4	0	0	0	0	0	0	4
Black drum	69	231	32	84	0	5	6	0	3	0	0	0	431
Flounder, unclassified	0	3	19	10	0	59	0	12	0	140	1,199	0	1,442
Gafftopsail catfish	0	0	0	0	0	0	0	0	0	5	3	0	8
Kingfish, unclassified	0	0	5	5	0	93	6	9	8	9	11	0	145
Mullet, unclassified	0	0	0	0	0	0	0	0	0	0	601	0	601
Others, unknown	0	0	0	0	0	0	46	0	0	0	0	0	46
Seatrout, sand	0	0	0	0	0	0	0	0	0	27	0	0	27
Sheepshead	51	3	3	29	0	43	4	5	5	0	0	0	141
Total finfish	120	237	59	128	0	470	423	26	16	181	1,813	0	3,472
SHELLFISH													
Shrimp (heads on)	0	0	0	0	0	2,231	390	0	0	0	0	0	2,621
Shrimp, brown	0	0	0	0	0	2,463	3,679	287	0	0	0	0	6,429
Shrimp, white	0	0	0	0	0	4,694	4,069	287	0	0	0	0	9,050
Total shrimp													
Crab, blue	6,468	13,791	12,808	17,983	12,689	12,043	13,797	28,701	50,935	28,623	25,742	25,744	249,323
Squid, unclassified	0	0	0	0	0	29	0	0	0	0	0	0	29
Total shellfish	6,468	13,791	12,808	17,983	12,689	16,765	17,866	28,988	50,935	28,623	25,742	25,744	258,401
Grand Total	6,588	14,028	12,867	18,110	12,689	17,235	18,289	29,014	50,951	28,804	27,555	25,744	261,873

Table D.3: Weight (lb) of each species landed commercially from the Galveston Bay system during 1991.

Species	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
FINFISH													
Atlantic croaker	0	342	0	0	0	10	0	461	359	60	140	196	1,568
Black drum	0	0	0	0	0	651	37	177	96	0	0	0	961
Flounder, unclassified	4,349	0	0	22	4,260	791	24	324	178	917	230	0	11,095
Gafftopsail catfish	0	0	11	269	630	826	544	633	1,822	3,258	11,774	20	19,767
Kingfish, unclassified	2	293	0	1,434	690	1,292	190	205	1,212	16	143	0	5,182
Mullet, unclassified	19	86	199	11,674	13	6	0	81	349	271	1,647	0	2,907
Seatrout, sand	5	302	13	8	4,967	12,641	1,205	1,801	6,555	792	1,066	588	41,613
Sheepshead	0	0	17	306	722	356	63	192	916	8	12	9	374
Stingrays	0	0	0	0	0	0	0	0	0	5,270	1,700	22	9,564
Unclassified food	0	0	0	0	969	1,670	3,292	1,104	3,307	2,406	429	0	13,577
Unclassified scrap	0	0	0	366	776	920	229	324	330	167	289	0	3,401
Total finfish	4,375	1,023	240	14,304	13,030	19,172	5,584	5,302	15,341	13,165	17,450	835	109,821
SHELLFISH													
Shrimp (heads on)	523	0	5,366	23,723	125,490	505,292	448,247	228,604	6,372	1,000	0	0	1,344,617
Shrimp, brown	3,265	25,992	13,923	21,545	41,254	91,961	239,176	288,248	281,019	484,024	275,381	23,311	1,789,078
Shrimp, white	3,768	25,992	19,289	45,268	166,743	597,253	687,422	516,852	287,392	485,023	275,381	23,311	3,133,695
Crab, blue	9,652	43,966	37,588	120,619	288,505	392,778	190,366	109,990	130,026	126,376	48,379	33,613	1,531,858
Crab, stone	0	1,396	108	1,006	258	196	21	792	744	1,228	2,012	16	7,777
Oyster, Eastern	69,582	86,431	160,986	207,693	220,257	119,124	145,865	63,789	118,126	143,923	586,501	407,107	2,331,384
Squid, unclassified	0	0	190	3,413	410	130	1,545	1,635	2,177	992	261	0	10,753
Total shellfish	83,002	159,785	218,161	377,999	676,173	1,109,481	1,025,219	693,058	538,465	757,542	912,534	464,047	7,015,467
Grand Total	87,377	160,808	218,401	392,303	689,203	1,128,653	1,030,803	698,360	553,806	770,707	929,984	464,882	7,125,288

Table D.4. Ex-vessel value (\$) of each species landed commercially from the Galveston Bay system during 1991.

SPECIES	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	SEP	OCT	Nov	DEC	Total
FINFISH													
Atlantic croaker	0	103	0	0	0	10	0	138	107	15	7	69	449
Black drum	0	0	0	0	0	326	19	89	48	0	0	0	481
Flounder, unclassified	3,480	0	0	11	1,076	445	21	91	50	358	129	0	5,643
Gafftopsail catfish	0	0	9	326	879	1,095	853	858	2,422	3,788	14,423	24	24,676
Kingfish, unclassified	1	88	0	359	275	323	38	51	303	3	36	0	1,388
Mullet, unclassified	24	108	234	87	3	2	0	22	98	70	460	0	829
Seatrout, sand	1	91	3	2,733	1,460	2,031	891	685	1,564	990	900	510	12,128
Sheepshead	0	0	9	2	1	2	0	0	1	2	5	3	111
Stringrays	0	0	9	116	223	127	26	69	325	1,886	491	8	3,279
Unclassified food	0	0	0	0	0	0	0	0	3	0	0	0	3
Unclassified scrap	0	0	0	165	387	350	115	192	1,737	1,327	156	0	7,415
Total finfish	3,506	389	255	3,797	5,252	5,750	3,782	2,582	6,822	8,525	16,752	613	58,024
SHELLFISH													
Shrimp (heads on)	822	0	27,277	40,350	75,953	303,850	392,827	272,111	12,654	1,625	0	0	1,127,469
Shrimp, brown	5,354	22,620	19,608	42,015	82,135	131,080	332,205	467,938	448,758	636,493	255,404	21,441	2,465,051
Total shrimp	6,176	22,620	46,885	82,365	158,088	434,930	725,032	740,049	461,412	638,118	255,404	21,441	3,592,520
Crab, blue	4,303	21,377	15,903	42,592	86,397	111,080	64,772	48,832	52,847	52,487	20,370	14,408	535,367
Crab, stone	0	542	48	387	120	86	9	347	279	830	948	6	3,602
Oyster, Eastern	204,987	248,540	402,437	528,515	627,333	341,186	415,256	190,631	338,416	407,129	1,349,794	913,581	5,967,519
Squid, unclassified	215,466	293,099	465,162	2,154	331	57	1,358	1,429	1,375	820	132	0	7,844
Total shellfish	218,972	293,488	465,417	659,809	872,520	887,339	1,206,426	981,288	854,326	1,099,383	1,626,648	949,436	10,106,853
Grand Total	218,972	293,488	465,417	659,809	872,520	893,088	1,210,209	983,870	861,148	1,107,908	1,643,399	950,049	10,164,877

Table D.7. Weight (lb) of each species landed commercially from the East Matagorda Bay system during 1991.

Species	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
FINFISH													
Flounder, unclassified	0	0	0	154	0	0	0	0	0	261	0	0	415
Sheepshead	0	0	0	2	0	0	0	0	0	0	0	0	2
Total finfish	0	0	0	156	0	0	0	0	0	261	0	0	417
SHELLFISH													
Crab, blue	0	0	0	0	0	43,754	65,820	47,205	54,000	68,953	18,000	4,818	302,550
Oyster, Eastern	0	0	0	228	0	0	0	0	0	0	0	0	228
Total shellfish	0	0	0	228	0	43,754	65,820	47,205	54,000	68,953	18,000	4,818	302,778
Grand Total	0	0	0	384	0	43,754	65,820	47,205	54,000	69,214	18,000	4,818	303,195

Table D.8. Ex-vessel value (\$) of each species landed commercially from the East Matagorda Bay system during 1991.

Species	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
FINFISH													
Flounder, unclassified	0	0	0	288	0	0	0	0	0	428	0	0	716
Sheepshead	0	0	0	1	0	0	0	0	0	0	0	0	1
Total finfish	0	0	0	289	0	0	0	0	0	428	0	0	717
SHELLFISH													
Crab, blue	0	0	0	0	0	17,502	26,328	21,242	24,300	31,029	8,100	2,168	130,669
Oyster, Eastern	0	0	0	468	0	0	0	0	0	0	0	0	468
Total shellfish	0	0	0	468	0	17,502	26,328	21,242	24,300	31,029	8,100	2,168	131,137
Grand Total	0	0	0	757	0	17,502	26,328	21,242	24,300	31,457	8,100	2,168	131,854

Table D.9. Weight (lb) of each species landed commercially from the San Antonio Bay system during 1991.

Species	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
FINFISH													
Flounder, unclassified	0	0	702	620	1,258	3,659	2,257	458	1,435	2,539	2,565	0	15,473
Sheepshead	0	0	0	0	126	112	53	40	261	246	0	0	858
Unclassified food	0	0	600	504	0	0	0	0	0	0	0	0	1,104
Total finfish	0	0	1,302	1,124	1,384	3,771	2,310	478	1,696	2,785	2,565	0	17,415
SHELLFISH													
Shrimp (heads on)	0	0	7,738	34,813	833,175	545,853	193,103	0	1,037	0	20,738	0	1,656,457
Shrimp, brown	0	0	0	88	123	63	3,728	181,768	270,413	697,454	140,434	0	1,296,071
Shrimp, white	0	0	7,738	34,901	833,298	545,916	196,832	181,768	271,450	697,454	161,173	0	2,930,528
Total shrimp													
Crab, blue	27,478	52,086	87,946	148,036	192,630	271,308	206,338	143,921	209,597	108,006	88,437	85,951	1,621,734
Crab, stone	6,958	28,645	26,194	11,197	22,417	30,231	40,569	37,595	33,439	15,822	14,429	15,817	281,133
Oyster, Eastern	174,057	126,474	167,460	40,023	0	0	0	0	0	0	48,214	69,459	625,687
Total shellfish	208,493	207,025	287,358	234,157	1,048,345	847,455	443,739	363,284	514,486	821,282	312,253	171,227	5,459,082
Grand Total	208,493	207,025	288,640	235,281	1,049,729	851,226	446,049	363,762	516,182	824,067	314,818	171,227	5,476,497

Table D.10: Ex-vessel value (\$) of each species landed commercially from the San Antonio Bay system during 1991.

Species	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
FINFISH													
Flounder, unclassified	0	0	1,313	1,060	2,352	6,842	3,797	736	2,355	3,199	3,232	0	24,886
Sheepshead	0	0	0	0	63	48	23	17	112	106	0	0	369
Unclassified food	0	0	600	268	0	0	0	0	0	0	0	0	868
Total finfish	0	0	1,913	1,328	2,415	6,890	3,820	753	2,467	3,305	3,232	0	26,123
SHELLFISH													
Shrimp (heads on)	0	0	14,008	62,151	735,395	499,726	252,111	0	1,227	0	21,323	0	1,585,941
Shrimp, brown	0	0	0	289	291	157	8,659	330,552	425,341	1,021,154	187,278	0	1,973,721
Shrimp, white	0	0	14,008	62,440	735,686	499,883	260,770	330,552	426,568	1,021,154	208,601	0	3,559,662
Total shrimp	0	0	14,008	62,440	735,686	499,883	260,770	330,552	426,568	1,021,154	208,601	0	3,559,662
Crab, blue	9,617	16,230	30,781	51,813	67,421	94,958	72,218	50,372	73,359	37,802	30,953	30,083	567,607
Crab, stone	3,427	13,956	12,339	6,270	13,450	16,392	23,928	22,690	21,848	10,523	8,470	8,766	162,060
Oyster, Eastern	361,404	272,656	290,550	68,610	0	0	0	0	0	0	82,722	119,070	1,195,012
Total shellfish	374,449	304,842	347,678	189,133	816,557	611,232	356,917	403,614	521,775	1,069,480	330,746	157,918	5,484,340
Grand Total	374,449	304,842	349,591	190,461	818,972	618,123	360,737	404,367	524,241	1,072,785	333,978	157,918	5,510,464

Table D.11. Weight (lb) of each species landed commercially from the Aransas Bay system during 1991.

Species	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
FINFISH													
Alligator gar	0	0	0	0	0	0	0	320	0	0	0	0	320
Black drum	16,565	1,948	340	54	0	0	185	4	94	275	1,101	3,415	23,989
Flounder, unclassified	252	593	290	162	1,328	2,794	1,028	485	2,069	4,321	12,869	7,785	33,976
Gafftopsail catfish	0	0	0	0	0	0	0	25	0	0	0	0	25
Sheepshead	33	99	6	36	0	57	0	0	113	39	0	134	517
Total finfish	16,850	2,640	636	252	1,328	2,859	1,213	834	2,276	4,635	13,970	11,334	58,827
SHELLFISH													
Shrimp (heads on)	0	11,186	48,720	262,446	1,812,438	1,489,178	528,887	0	290,822	439,656	0	0	4,883,333
Shrimp, brown	1,400	0	0	0	0	0	0	330,903	392,605	1,036,043	447,007	31,468	2,239,425
Shrimp, white	1,400	11,186	48,720	262,446	1,812,438	1,489,178	528,887	330,903	683,427	1,475,698	447,007	31,468	7,122,758
Total shrimp													
Crab, blue	11,891	53,281	18,303	103,249	104,023	136,014	67,408	46,735	120,700	42,654	48,504	108,445	861,207
Crab, stone	1,208	1,718	2,942	810	1,760	432	5,485	1,868	8,412	5,680	7,282	6,608	44,225
Squid, unclassified	0	0	0	0	0	0	0	0	0	85	12	0	97
Total shellfish	14,499	66,185	69,985	366,505	1,918,221	1,625,624	601,780	379,506	812,539	1,524,117	502,805	146,521	8,028,287
Grand Total	31,349	68,825	70,621	366,757	1,919,549	1,628,483	602,993	380,340	814,815	1,528,752	516,775	157,855	8,087,114

Table D.13. Weight (lb) of each species landed commercially from the Corpus Christi Bay system during 1991.

Species	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
FINFISH													
Atlantic cutlassfish	0	1,584	0	0	2,178	5,362	1,584	3,672	0	0	5	1	14,594
Black drum	6,754	2,682	4,588	2,535	5,005	5,418	10,625	12,336	10,385	23,150	11,439	17,857	112,772
Eels, cusk	0	0	0	0	0	0	6	0	0	0	0	0	6
Florida pompano	0	0	0	0	0	421	0	0	0	0	0	0	421
Flounder, unclassified	1,346	1,236	821	750	248	5,275	6,975	3,009	1,865	2,574	17,437	3,315	44,831
Gafftopsail catfish	0	0	0	30	0	0	0	0	0	0	0	0	30
Mullet, unclassified	3,412	0	0	0	0	0	0	0	0	0	0	0	3,412
Others, unknown	0	0	0	0	0	0	0	0	0	30	0	0	30
Pinfish	0	124	166	414	484	176	124	163	91	0	0	0	1,742
Shark, unclassified	0	0	0	0	10	0	0	0	0	0	0	0	10
Sheepshead	2,025	551	925	112	15	144	34	57	173	26	234	189	4,485
Unclassified scrap	0	0	0	0	0	0	0	532	0	0	0	0	532
Total finfish	13,537	6,177	6,500	3,841	7,940	16,796	19,348	19,769	12,492	25,788	29,115	21,362	182,665
SHELLFISH													
Shrimp (heads on)	250	15,660	82,134	171,204	925,581	853,068	345,092	0	0	8,477	10,357	3,421	2,415,245
Shrimp, brown	0	0	0	0	0	0	0	0	0	0	57	0	57
Shrimp, brown and pink	0	331	0	0	0	0	0	0	0	0	0	0	331
Shrimp, rock	37,294	46,765	183	3,949	16,273	1,237	12,816	155,307	168,658	261,014	253,466	31,510	988,471
Shrimp, white	37,544	62,756	82,317	175,153	941,854	854,305	357,908	155,307	168,658	269,491	283,880	34,931	3,404,104
Total shrimp	16,077	9,995	24,317	8,510	9,377	6,022	3,586	8,926	991	10,035	4,042	3,333	105,211
Crab, blue	0	0	324	1,450	0	228	2,040	1,104	188	0	0	0	5,314
Crab, stone	280	0	0	0	0	0	0	0	0	0	0	0	280
Oyster, Eastern	0	0	370	265	232	22	343	713	0	184	48	0	1,677
Squid, unclassified	53,901	72,751	107,328	185,358	951,463	860,577	363,877	165,550	169,837	279,710	267,970	36,264	3,516,586
Total shellfish	67,438	78,928	113,828	189,199	959,403	877,373	383,225	185,319	182,329	305,498	297,085	59,626	3,699,251
Grand Total													

Table D.14. Ex-vessel value (\$) of each species landed commercially from the Corpus Christi Bay system during 1991

Species	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
FINFISH													
Atlantic cutlassfish	0	1,204	0	0	1,704	4,075	1,204	2,791	0	6	4	1	10,951
Black drum	7,933	3,594	5,923	3,304	6,757	7,285	13,962	15,878	13,074	26,330	11,265	14,181	129,487
Eels, cusk	0	0	0	0	0	808	12	0	0	0	0	0	12
Florida pompano	0	0	0	0	0	0	0	0	0	0	0	0	0
Flounder, unclassified	2,440	2,595	1,474	1,440	526	9,730	12,319	4,318	2,214	3,350	18,433	3,566	818
Gafftopsail catfish	0	0	0	15	0	0	0	0	0	0	0	0	62,476
Mullet, unclassified	853	0	0	0	0	0	0	0	0	0	0	0	15
Others, unknown	0	0	0	0	0	0	0	0	0	0	0	0	873
Pinfish	0	241	320	799	934	340	241	315	175	4	0	0	4
Shark, unclassified	0	0	0	0	10	0	0	0	0	0	0	0	3,364
Sheepshead	708	208	429	48	10	43	24	37	67	14	97	49	10
Unclassified scrap	0	0	0	0	0	0	0	135	0	0	0	0	1,733
Total finfish	11,935	7,841	8,146	5,606	9,940	22,281	27,762	23,494	15,330	29,704	29,799	17,798	209,834
SHELLFISH													
Shrimp (heads on)	538	24,015	145,554	285,285	856,119	892,934	500,881	0	0	9,964	10,915	3,780	2,729,899
Shrimp, brown	0	0	0	0	0	0	0	0	0	0	57	0	57
Shrimp, brown and pink	0	215	0	0	0	0	0	0	0	0	0	0	215
Shrimp, rock	68,472	78,981	510	10,900	44,307	4,417	28,235	390,846	318,317	455,064	436,018	46,114	1,792,181
Shrimp, white	69,010	103,211	146,064	298,185	900,426	897,355	529,116	500,806	318,537	465,028	446,990	49,894	4,522,442
Total shrimp	6,203	4,743	9,974	3,797	4,004	2,391	1,170	3,784	636	4,213	1,531	1,461	43,907
Crab, blue	0	0	162	715	0	146	1,224	673	113	0	0	0	3,055
Crab, stone	1,152	0	0	0	0	0	0	0	0	0	0	0	1,152
Oyster, Eastern	76,365	107,954	156,418	300,829	904,546	899,903	531,682	107	319,108	469,339	448,369	51,355	902
Squid, unclassified	88,300	115,795	164,564	306,436	914,486	922,184	559,444	328,863	334,636	499,042	478,368	69,153	4,781,269
Total shellfish	88,300	115,795	164,564	306,436	914,486	922,184	559,444	328,863	334,636	499,042	478,368	69,153	4,781,269
Grand Total	11,935	7,841	8,146	5,606	9,940	22,281	27,762	23,494	15,330	29,704	29,799	17,798	209,834

Table D.15. Weight (lb) of each species landed commercially from the Upper Laguna Madre Bay system during 1991.

Species	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
FINFISH													
Black drum	17,440	15,249	17,903	13,096	17,864	10,762	7,840	16,597	19,442	15,471	17,325	12,918	181,907
Flounder, unclassified	0	1	2	18	28	1,564	1,132	882	524	104	0	84	4,319
Sheepshead	59	4	0	148	0	14	8	7	13	0	0	0	253
Total finfish	17,499	15,254	17,905	13,262	17,892	12,340	8,980	17,486	19,979	15,575	17,325	13,002	186,499
SHELLFISH													
Shrimp (heads on)	0	0	0	0	0	0	33,337	0	0	0	2,655	262	36,254
Shrimp, brown	0	0	0	0	0	0	33,337	0	0	0	2,655	262	36,254
Total shrimp	0	0	0	0	0	0	33,337	0	0	0	2,655	262	36,254
Crab, blue	0	0	7	689	1,144	587	0	892	332	0	0	0	3,651
Crab, stone	0	0	0	0	0	0	0	32	32	0	0	0	32
Total shellfish	0	0	7	689	1,144	587	35,337	892	364	0	2,655	262	39,937
Grand Total	17,499	15,254	17,912	13,951	19,036	12,927	42,317	18,378	20,343	15,575	19,980	13,264	226,436

Table D.16. Ex-vessel value (\$) of each species landed commercially from the Upper Louisiana Redeye Bay system during 1991.

Species	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
FINFISH													
Black drum	16,818	13,943	20,227	15,186	18,936	12,099	9,133	20,699	24,112	17,284	16,223	9,568	194,137
Flounder, unclassified	0	2	3	27	52	3,382	2,191	1,390	824	194	0	157	8,723
Sheepshead	30	2	0	74	0	6	3	3	6	0	0	0	124
Total finfish	16,847	13,947	20,230	15,287	18,988	15,487	11,328	22,001	24,942	17,478	16,223	9,725	202,483
SHELLFISH													
Shrimp (heads on)	0	0	0	0	0	0	39,046	0	0	0	3,584	355	42,985
Shrimp, brown	0	0	0	0	0	0	39,046	0	0	0	3,584	355	42,985
Total shrimp	0	0	0	0	0	0	39,046	0	0	0	3,584	355	42,985
Crab, blue	0	0	11	482	768	411	0	624	232	0	0	0	2,579
Crab, stone	0	0	0	0	0	0	0	0	28	0	0	0	28
Total shellfish	0	0	11	482	768	411	39,046	624	261	0	3,584	355	45,542
Grand Total	16,847	13,947	20,241	15,769	19,756	15,898	50,374	22,626	25,202	17,478	19,807	10,080	248,025

Table D.17. Weight (lb) of each species landed commercially from the Lower Laguna Madre Bay system during 1991.

Species	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
FINFISH													
Atlantic croaker	0	0	0	0	0	7	0	0	0	0	0	0	7
Atlantic spadefish	0	0	0	0	0	0	0	0	23	0	0	0	23
Black drum	97,993	31,408	28,711	17,061	23,606	11,308	6,207	4,659	13,896	36,896	23,345	37,379	332,659
Flounder, unclassified	27	2,559	39	1,194	2,096	8,931	16,408	13,408	9,071	3,509	15,375	6,801	79,418
Others, unknown	0	0	0	0	0	0	0	0	0	0	652	115	767
Seatrout, sand	0	0	0	0	0	0	0	0	0	1,030	0	0	1,030
Sheepshead	4,461	672	115	32	8	4	95	489	290	166	365	1,071	7,768
Unclassified food	0	0	492	0	0	0	0	0	0	0	0	0	492
Total finfish	102,481	34,719	29,357	18,287	25,710	20,330	22,710	18,556	23,280	41,601	39,737	45,366	422,134
SHELLFISH													
Crab, blue	0	103	459	0	85	3,214	2,756	6,211	201	0	0	0	13,029
Crab, stone	0	0	0	0	0	272	0	0	0	272	0	0	544
Oyster, Eastern	1,260	0	0	0	88	630	1,015	893	578	595	0	0	5,059
Total shellfish	1,260	103	459	0	173	4,116	3,771	7,104	779	867	0	0	18,632
Grand Total	103,741	34,822	29,816	18,287	25,883	24,446	26,481	25,660	24,059	42,468	39,737	45,366	440,766

Table D.10. Ex-vessel value (\$) of each species landed commercially from the Lower Laguna Madre Bay system during 1991.

Species	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
FINFISH													
Atlantic croaker	0	0	0	0	0	1	0	0	0	0	0	0	1
Atlantic spadefish	0	0	0	0	0	0	0	0	0	0	0	0	0
Black drum	43,263	14,826	12,753	7,530	10,460	5,015	2,760	2,108	6,216	29,588	12,461	16,593	163,571
Flounder, unclassified	32	3,697	29	688	1,821	11,319	14,090	11,141	8,190	3,483	10,466	4,009	68,967
Others, unknown	0	0	0	0	0	0	0	0	0	0	163	69	232
Seatrout, sand	0	0	0	0	0	0	0	0	0	0	0	0	0
Sheepshead	758	114	20	5	1	1	16	83	52	721	95	225	1,414
Unclassified food	0	0	148	0	0	0	0	0	0	0	0	0	148
Total finfish	44,053	18,637	12,949	8,223	12,283	16,356	16,866	13,332	14,464	33,836	23,185	20,897	235,061
SHELLFISH													
Crab, blue	0	21	269	0	48	944	827	2,360	149	0	0	0	4,638
Crab, stone	0	0	0	0	0	136	0	0	0	147	0	0	283
Oyster, Eastern	4,320	0	0	0	195	1,239	2,262	1,099	1,287	1,326	0	0	12,618
Total shellfish	4,320	21	269	0	243	2,359	3,089	4,369	1,436	1,473	0	0	17,539
Grand Total	48,373	18,658	13,218	8,223	12,526	18,674	19,955	17,681	15,900	35,309	23,185	20,897	252,600

Appendix E. Monthly commercial finfish and shellfish (except shrimp) landings (lb) and ex-vessel value (\$), by grid zone for the Gulf of Mexico off Texas during 1991.

Table E.1. Weight (lb) of each species, except shrimp, landed commercially from Gulf of Mexico grid zone 17.0 during 1991.

Species	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
FINFISH													
Black drum	34	34	0	0	0	0	0	0	0	0	0	0	68
Cobia	0	0	0	0	0	0	119	0	15	0	0	0	134
Flounder, unclassified	565	275	0	171	238	139	462	321	33	0	0	678	2,902
Greater amberjack	0	0	0	0	0	196	0	0	0	0	0	0	196
Grouper, black	0	0	0	0	0	137	0	0	0	0	0	0	137
Grouper, scamp	0	0	0	0	0	216	0	0	0	0	0	0	216
Grouper, unclassified	1,871	1,056	11	16	0	191	0	0	0	0	0	0	218
Kingfish, unclassified	0	0	782	869	1,834	290	0	0	0	0	0	0	6,862
Mullet, unclassified	0	0	0	0	0	0	5,888	2,395	0	0	0	0	8,273
Sheepshead	0	18	0	0	129	284	0	0	0	0	0	0	431
Snapper, red	32	680	499	431	1,861	218	5,096	229	0	0	0	0	9,046
Snapper, unclassified	0	0	0	0	0	8,310	0	0	0	0	0	0	8,310
Snapper, vermillion	0	0	0	0	0	610	0	0	0	0	0	0	610
Unclassified scrap	0	0	0	0	0	0	0	0	100	0	0	0	100
Total finfish	2,522	2,063	1,292	1,467	4,062	10,589	11,565	2,935	148	0	0	678	37,321
SHELLFISH													
Crab, blue	0	1,208	584	3,819	2,521	1,382	0	60	0	0	0	0	9,574
Squid, unclassified	0	0	0	183	0	57	15	0	52	0	0	0	307
Total shellfish	0	1,208	584	4,002	2,521	1,439	15	60	52	0	0	0	9,881
Grand Total	2,522	3,271	1,876	5,469	6,583	12,028	11,580	2,995	200	0	0	678	47,202

Table E.2. Ex-vessel (\$) value of each species, except shrimp, landed commercially from Gulf of Mexico grid zone 17.0 during 1991.

Species	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
FINFISH													
Black drum	9	7	0	0	0	0	0	0	0	0	0	0	17
Cobia	0	0	0	0	0	0	119	0	0	0	0	0	124
Flounder, unclassified	540	262	0	171	238	145	462	321	50	0	0	506	2,695
Greater amberjack	0	0	0	0	0	147	0	0	0	0	0	0	147
Grouper, black	0	0	0	0	0	233	0	0	0	0	0	0	233
Grouper, scamp	0	0	0	0	0	365	0	0	0	0	0	0	365
Grouper, unclassified	0	0	22	32	0	308	0	0	0	0	0	0	362
Kingfish, unclassified	486	394	235	255	550	87	0	0	0	0	0	0	1,997
Mullet, unclassified	0	0	0	0	0	0	1,766	716	0	0	0	0	2,482
Sheepshead	0	5	0	0	59	101	0	0	0	0	0	0	164
Snapper, red	66	1,605	1,224	1,071	4,441	491	10,236	378	0	0	0	0	19,511
Snapper, unclassified	0	0	0	0	0	16,620	0	0	0	0	0	0	16,620
Snapper, vermillion	0	0	0	0	0	702	0	0	0	0	0	0	702
Unclassified scrap	0	0	0	0	0	0	0	0	20	0	0	0	20
Total finfish	1,102	2,263	1,460	1,529	5,288	19,218	12,584	1,414	74	0	0	506	45,458
SHELLFISH													
Crab, blue	0	713	242	1,553	961	456	0	24	0	0	0	0	3,949
Squid, unclassified	0	0	0	110	0	34	9	0	26	0	0	0	179
Total shellfish	0	713	242	1,663	961	490	9	24	26	0	0	0	4,128
Grand Total	1,102	2,976	1,722	3,191	6,249	19,709	12,593	1,438	100	0	0	506	49,586

Table E.3. Weight (lb) of each species, except shrimp, landed commercially from Gulf of Mexico grid zone 18.0 during 1991.

Species	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
FINFISH													
Atlantic croaker	0	0	0	0	0	0	0	0	14	0	583	0	597
Black drum	0	0	240	0	0	0	0	0	0	0	0	306	626
Cobia	0	108	0	14	33	82	209	54	0	0	0	0	500
Dolphin	0	0	0	0	0	0	0	0	0	15	51	0	66
Flounder, unclassified	0	0	215	0	16	0	72	3	530	1,083	5,302	483	7,704
Gafftopsail catfish	0	0	51	10	0	0	492	0	0	643	0	0	1,196
Greater amberjack	47	34	103	92	495	28	0	28	186	0	141	0	1,154
Grouper, unclassified	302	688	2,575	2,842	3,320	477	355	629	1,219	2,966	2,194	282	17,849
Grouper, seaear	0	64	0	0	0	0	0	100	635	231	0	0	1,030
Grouper, yellowfin	0	0	0	0	0	0	0	0	0	0	0	464	464
Herring, unclassified	0	0	0	0	0	0	0	0	0	1,317	0	0	1,317
Kingfish, unclassified	0	0	25	102	57	145	761	0	0	553	401	0	2,124
Mullet, unclassified	0	0	6,787	0	0	0	3,445	0	0	0	0	0	10,232
Shark, blacktip	0	0	0	0	78	0	0	0	0	0	0	0	78
Shark, shortfin mako	0	0	0	67	0	0	0	0	0	0	0	0	67
Shark, unclassified	0	77	0	0	0	0	0	0	0	0	0	0	77
Sheepshead	0	0	368	15	0	0	0	0	0	0	0	0	368
Snapper, red	7,750	6,291	3,825	5,459	5,991	12,103	9,396	48,494	22	0	22	0	427
Snapper, unclassified	401	973	0	855	410	211	187	907	34	0	0	0	99,343
Snapper, vermilion	0	200	5	0	1,080	400	891	2,240	463	1,551	731	0	6,699
Snapper, yellowtail	0	0	0	0	0	0	0	0	65	366	0	235	5,482
Tilefish	0	0	0	0	0	0	0	0	0	0	1,180	0	1,180
Triggrerfish, gray	162	188	848	22	1,008	0	0	0	0	218	141	0	1,180
Tuna, blackfin	0	0	107	633	169	182	125	235	141	568	141	0	2,096
Tuna, unclassified	0	0	0	145	0	0	0	0	0	0	85	0	2,651
Unclassified food	0	144	0	0	0	0	0	0	0	0	0	45	2,869
Unclassified scrap	0	0	29	90	0	0	0	38	0	106	29	0	292
Whoo	0	0	0	60	0	0	0	0	0	0	752	694	1,506
Total finfish	8,662	8,767	15,178	10,486	12,657	13,628	15,933	52,728	3,309	9,617	14,322	2,509	167,876
SHELLFISH													
Crab, blue	0	0	279	485	0	0	0	0	0	0	42	0	806
Crab, stone	0	0	0	0	0	0	0	0	0	0	0	588	588
Squid, unclassified	0	0	86	0	136	0	1,323	16	102	0	0	0	1,663
Total shellfish	0	0	365	485	136	0	1,323	16	102	0	42	588	3,057
Grand Total	8,662	8,767	15,543	10,971	12,793	13,628	17,256	52,744	3,411	9,617	14,364	3,177	170,933

Table E.4. Ex-vessel (\$) value of each species, except shrimp, landed commercially from Gulf of Mexico grid zone 18.0 during 1991.

Species	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
FISH													
Atlantic croaker	0	0	0	0	0	0	0	0	7	0	29	0	36
Black drum	0	0	60	0	0	0	0	0	0	0	0	290	350
Cobia	0	138	0	18	35	105	268	69	0	0	0	0	632
Dolphin	0	0	0	0	0	0	0	0	0	15	38	0	53
Flounder, unclassified	0	0	268	0	20	0	99	3	845	1,559	4,308	625	7,806
Gafftopsail catfish	0	0	20	2	0	0	74	0	0	129	0	0	225
Greater amberjack	31	22	86	61	327	18	0	15	119	0	75	0	754
Groupers, unclassified	516	1,134	4,403	4,860	5,677	816	607	1,105	2,280	5,234	3,752	282	30,666
Groupers, warsaw	0	96	0	0	0	0	0	140	889	347	0	0	1,472
Groupers, yellowfin	0	0	0	0	0	0	0	0	0	0	0	1,021	1,021
Herring, unclassified	0	0	0	0	0	0	0	0	0	395	0	0	395
Kingfish, unclassified	0	0	8	98	21	87	228	0	0	172	139	0	753
Mullet, unclassified	0	0	1,357	0	0	0	345	0	0	0	0	0	1,702
Shark, blacktip	0	0	0	0	42	0	0	0	0	0	0	0	42
Shark, shortfin mako	0	0	0	56	0	0	0	0	0	0	0	0	56
Shark, unclassified	0	64	0	0	0	0	0	0	0	0	0	0	64
Sheepshead	0	0	168	5	0	0	0	0	11	0	6	0	190
Snapper, red	19,871	16,306	9,805	13,771	15,481	22,596	16,255	98,893	85	0	0	0	213,142
Snapper, unclassified	770	1,664	0	1,462	525	270	239	1,161	745	2,759	1,250	0	10,846
Snapper, vermillion	0	304	2	0	1,760	560	1,320	2,866	114	1,098	0	630	8,734
Snapper, yellowtail	0	0	0	0	0	0	0	0	0	0	0	0	0
Tilefish	0	0	0	0	0	0	0	0	0	0	0	0	0
Triggerfish, grey	215	238	1,170	842	1,159	242	166	313	219	302	188	0	3,835
Tuna, blackfin	0	0	0	145	0	0	0	0	0	723	134	0	2,731
Tuna, unclassified	0	98	0	0	0	0	0	0	0	0	0	0	3,504
Unclassified food	0	0	9	40	0	0	0	0	0	0	134	0	3,279
Unclassified scrap	0	0	0	30	0	0	0	38	0	106	5,038	14	5,150
Whop	0	0	0	0	0	0	0	0	0	0	602	208	840
Total finfish	21,403	20,225	17,489	21,409	25,272	24,694	19,600	104,602	5,314	12,919	19,511	3,069	295,506
SHELLFISH													
Crab, blue	0	0	130	223	0	0	0	0	0	0	17	0	370
Crab, stone	0	0	0	0	0	0	0	0	0	0	0	0	329
Squid, unclassified	0	0	43	0	34	0	331	6	26	0	0	0	439
Total shellfish	0	0	173	223	34	0	331	6	26	0	17	329	1,139
Grand Total	21,403	20,225	17,662	21,632	25,306	24,694	19,930	104,608	5,340	12,919	19,527	3,398	296,644

Table E.5. Weight (lb) of each species, except shrimp, landed commercially from Gulf of Mexico grid zone 19.0 during 1991.

Species	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
FINFISH													
Black drum	0	0	0	0	0	0	0	0	0	120	33	106	259
Cobia	75	0	48	362	144	1,594	1,467	1,468	369	290	90	0	5,907
Dolphin	62	0	0	0	17	0	77	55	143	4	0	36	304
Flounder, unclassified	1,664	568	832	903	681	904	2,535	1,565	1,266	2,589	4,917	7,697	26,121
Greater amberjack	216	678	672	914	626	475	785	35	81	1,277	790	250	6,299
Grouper, scamp	375	857	161	2,981	1,269	245	1,061	64	140	490	351	0	7,944
Grouper, unclassified	75	0	72	931	47	0	282	0	0	0	0	0	3,464
Grouper, verasa	344	290	750	187	1,583	141	374	443	618	878	219	2,059	7,701
Grouper, yellowedge	1,856	773	441	290	61	1,351	2,560	1,279	1,530	2,019	117	4,898	9,793
Kingfish, unclassified	0	0	0	0	0	0	0	0	479	677	1,682	1,111	12,224
Mackerel, Spanish	0	0	0	0	0	0	0	18	0	0	0	0	18
Mullet, unclassified	62	0	27	133	228	64	0	0	0	0	0	28	70
Porgy, unclassified	0	161	0	0	0	0	0	0	75	76	0	0	762
Sea trout, sand	0	0	0	0	0	0	0	0	0	1,256	0	0	1,256
Shark, unclassified	40	72	0	617	0	94	13	36	0	64	0	0	1,298
Sheepshead	51	0	12	0	0	0	0	0	0	73	0	0	619
Snapper, lane	0	0	0	0	0	0	0	0	0	0	0	0	44
Snapper, red	1,843	2,087	3,483	13,741	6,907	4,576	4,985	2,440	0	0	44	0	40,062
Snapper, unclassified	0	4,064	0	0	0	0	0	585	3,408	166	0	0	9,110
Snapper, vermillion	305	1,562	508	7,396	4,888	1,103	2,371	34	2,092	5,707	1,291	889	22,257
Swordfish	0	0	0	0	0	0	0	0	0	0	0	0	0
Tilefish	0	0	0	0	0	0	0	0	0	0	0	0	0
Trigerfish, gray	107	301	215	847	279	263	158	143	195	37	84	122	265
Tuna, blackfin	0	0	0	0	0	0	0	0	0	0	0	198	2,684
Tuna, unclassified	0	0	0	0	0	0	0	14	0	0	0	122	122
Unclassified food	0	0	0	0	0	0	0	0	0	893	0	0	907
Wahoo	0	0	0	0	0	0	116	0	0	0	0	0	116
Total finfish	7,003	11,353	7,221	24,302	16,728	10,810	16,284	9,072	10,455	16,616	9,618	21,747	161,209
SHELLFISH													
Squid, unclassified	75	28	0	277	0	0	774	310	35	0	598	20	2,067
Total shellfish	75	28	0	277	0	0	774	310	35	0	598	20	2,067
Grand Total	7,078	11,381	7,221	24,579	16,728	10,810	17,058	9,382	10,490	16,616	10,216	21,767	163,276

Table E.6. Ex-vessel (\$) value of each species, except shrimp, landed commercially from Gulf of Mexico grid zone 19.0 during 1991.

Species	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
FINFISH													
Black drum	0	0	0	0	0	0	0	0	0	79	8	27	114
Cobia	77	0	41	324	184	1,638	1,151	1,235	328	310	154	0	5,443
Dolphin	53	0	0	0	15	0	23	36	140	1	0	34	301
Flounder, unclassified	2,073	771	1,211	1,213	828	1,146	3,209	1,959	1,720	3,449	6,316	9,711	33,606
Groater amberjack	190	597	575	851	551	397	245	34	71	1,150	695	227	5,582
Groper, scamp	564	1,465	275	5,266	2,170	377	1,720	109	235	838	674	0	13,694
Groper, unclassified	87	0	126	1,353	71	0	405	0	0	0	0	3,521	5,562
Groper, veraw	292	294	960	239	2,026	180	479	511	791	1,124	280	2,147	9,325
Kingfish, yellowedge	0	0	0	0	0	0	0	1,733	2,616	3,452	200	7,543	15,543
Kingfish, unclassified	742	309	159	109	23	517	1,053	342	192	271	673	444	4,834
Mackerel, Spanish	0	0	0	0	0	0	0	4	0	0	0	0	4
Mullet, unclassified	42	0	0	0	0	0	0	0	0	0	0	10	52
Porgy, unclassified	0	137	23	133	192	64	0	0	128	130	0	0	787
Sea trout, sand	0	0	0	0	0	0	0	0	0	1,382	0	0	1,382
Shark, unclassified	8	30	0	258	0	39	5	30	0	26	0	326	722
Sheepshead	20	0	5	0	0	0	0	0	0	22	0	121	168
Snapper, lane	0	0	0	0	0	0	0	0	0	0	85	0	85
Snapper, red	3,845	4,623	4,486	29,561	15,728	7,590	7,389	3,502	0	0	0	0	76,804
Snapper, unclassified	0	9,147	0	0	0	0	0	948	5,240	225	0	1,520	17,079
Snapper, vermillion	470	2,405	432	4,066	8,358	1,599	3,179	17	4,074	11,471	2,208	0	36,279
Swordfish	0	0	0	0	0	0	0	0	0	0	0	1,341	1,341
Tilefish	0	0	0	0	0	0	0	157	0	0	0	101	259
Triglerfish, gray	80	186	95	523	173	116	147	0	176	24	74	263	1,857
Tuna, blackfin	0	0	0	0	0	0	0	0	0	0	0	110	110
Tuna, unclassified	0	0	0	0	0	0	0	7	0	268	0	0	275
Unclassified food	0	0	0	0	0	0	116	0	0	0	0	0	116
Wahoo	0	0	0	0	0	0	0	0	37	0	0	35	71
Total finfish	8,543	19,965	8,388	43,877	30,320	13,664	19,121	10,703	15,748	24,223	11,367	27,479	233,396
SHELLFISH													
Squid, unclassified	19	7	0	69	0	0	687	80	9	0	120	5	996
Total shellfish	19	7	0	69	0	0	687	80	9	0	120	5	996
Grand Total	8,562	19,972	8,388	43,946	30,320	13,664	19,808	10,783	15,757	24,223	11,487	27,484	234,392

Table E.7. Weight (lb) of each species, except shrimp, landed commercially from Gulf of Mexico grid zone 20.0 during 1991.

Species	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
FISH													
Atlantic spadefish	0	0	0	0	0	0	0	5	0	0	0	0	5
Black drum	0	0	0	0	0	0	0	0	0	0	0	0	0
Cobia	0	882	0	0	0	126	0	369	0	0	0	0	6
Dolphin	0	0	0	0	0	101	49	82	73	48	32	0	483
Eels, cusk	20	0	0	0	12	0	1,252	0	0	0	0	0	12
Flounder, unclassified	0	0	0	35	1,017	0	0	0	2,280	0	169	54	4,827
Great barracuda	532	0	36	896	165	2,400	181	176	1,053	3,172	375	0	125
Greater amberjack	0	0	0	504	0	0	0	0	0	0	0	0	9,856
Grouper, black	70	115	0	0	0	0	0	0	0	0	0	0	504
Grouper, scamp	965	448	719	1,395	950	1,182	633	549	283	0	74	0	259
Grouper, unclassified	817	5,881	636	4,057	295	594	91	42	443	376	1,057	0	7,104
Grouper, waraw	0	3,591	3,923	12,807	0	4,361	7,569	0	5,279	4,111	5,437	0	14,289
Kingfish, Gulf	0	0	0	0	0	0	0	239	0	0	0	0	47,078
Mackerel, king	0	0	0	0	0	0	416	0	0	0	0	0	239
Mullet, unclassified	0	0	0	0	0	0	0	0	0	0	0	0	416
Sea trout, sand	0	0	0	0	0	224	0	7	366	0	0	0	597
Shark, blacktip	0	0	0	0	0	0	0	0	368	0	0	0	368
Shark, shortfin mako	0	0	0	0	0	0	0	0	0	0	442	0	442
Shark, unclassified	0	0	0	0	0	0	0	0	0	17	0	0	17
Sheepshead	3,838	2,371	115	1,057	566	2,420	694	0	0	186	0	0	11,447
Snapper, red	9,826	10,432	6,181	6,899	2,960	6,904	5,983	60	0	0	67	0	133
Unclassified snapper	318	130	76	218	11	386	0	18,802	0	0	0	0	67,987
Snapper, vermilion	8	0	0	18	65	0	0	0	0	11	0	0	1,150
Swordfish	0	154	0	653	74	59	0	0	37	0	338	0	1,466
Tilapia	0	1,613	208	403	0	0	11	0	1,753	4,211	5,103	0	807
Tuna, unclassified	0	0	0	0	0	0	0	0	0	0	0	0	13,435
Unclassified food	0	0	0	0	0	0	0	0	24	0	0	0	24
Mahoe	0	0	0	0	105	0	0	0	0	12	0	0	12
Total finfish	16,374	26,687	11,894	28,948	6,318	18,831	16,914	20,456	11,959	12,191	13,141	60	308
SHELLFISH													
Total shellfish	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	16,374	26,687	11,894	28,948	6,318	18,831	16,914	20,456	11,959	12,191	13,141	60	183,773

Table E.6. Ex-vessel (\$) value of each species, except shrimp, landed commercially from Gulf of Mexico grid zone 20.0 during 1991.

Species	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
FINFISH													
Atlantic spadefish	0	0	0	0	0	0	0	3	0	0	0	0	3
Black drum	0	0	0	0	0	0	0	0	0	0	0	4	4
Cobia	0	762	0	0	0	145	0	246	0	0	0	0	1,153
Dolphin	0	0	0	0	138	156	77	140	95	54	30	0	1,690
Eels, cusk	0	0	0	0	8	0	0	0	0	0	0	0	8
Flounder, unclassified	17	0	0	64	712	0	2,494	0	3,075	0	147	56	6,565
Great barracuda	513	1,157	49	1,174	210	2,334	192	156	1,429	4,567	454	0	12,239
Greater amberjack	0	0	0	0	0	0	0	0	0	0	0	0	0
Grouper, black	120	196	0	776	0	0	0	0	0	0	0	0	776
Grouper, scamp	0	0	0	0	0	0	0	0	0	0	63	0	378
Grouper, unclassified	1,249	695	1,174	2,317	1,462	1,644	893	707	396	0	0	0	10,537
Grouper, warasa	804	6,696	669	4,255	339	613	77	45	459	402	1,131	0	15,491
Grouper, yellowedge	0	5,674	6,355	19,211	0	7,065	11,354	0	7,655	5,961	7,884	0	71,157
Kingfish, Gulf	0	0	0	0	0	0	0	362	0	0	0	0	362
Mackerel, king	0	0	0	0	0	0	1,236	0	0	0	0	0	1,236
Mullet, unclassified	0	0	0	0	0	112	0	11	216	0	0	0	339
Seatrout, sand	0	0	0	0	0	0	0	0	401	0	0	0	401
Shark, blacktip	0	0	0	0	0	0	0	0	0	0	367	0	367
Shark, shortfin mako	0	0	0	0	0	0	0	0	0	14	0	0	14
Shark, unclassified	1,265	1,121	55	361	200	1,081	304	0	0	61	0	0	4,449
Sheepshead	0	0	0	5	0	0	39	0	0	0	37	0	81
Snapper, red	20,292	23,410	14,608	16,150	6,565	15,019	9,719	28,846	0	0	0	0	134,609
Snapper, unclassified	412	165	123	353	19	574	0	0	0	19	0	0	1,664
Snapper, versicolor	9	0	0	26	89	0	0	0	61	0	655	0	1,840
Swordfish	0	246	0	1,871	88	68	10	0	1,625	3,874	4,235	0	2,117
Tuna, unclassified	0	2,065	191	443	0	0	0	0	22	0	0	0	12,600
Unclassified food	0	0	0	0	0	0	0	0	0	15	0	0	22
Whoo	0	0	0	0	0	73	55	0	0	28	28	0	15
Total finfish	24,681	42,186	23,226	47,005	9,979	28,883	26,410	30,736	15,434	14,995	15,031	60	278,626
SHELLFISH													
Total shellfish	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	24,681	42,186	23,226	47,005	9,979	28,883	26,410	30,736	15,434	14,995	15,031	60	278,626

Table E.9. Weight (lb) of each species, except shrimp, landed commercially from Gulf of Mexico grid zone 21.0 during 1991.

Species	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
FISH													
Black drum	0	50	0	0	0	0	0	0	0	0	1,217	0	1,267
Cobia	0	0	0	0	25	398	290	67	0	0	0	0	780
Dolphin	0	232	0	2	753	310	271	22	100	982	212	1,236	4,120
Florida pompano	95	6	0	4	0	0	4	2	11	14	0	0	136
Flounder, unclassified	0	0	141	0	0	0	0	0	0	0	0	854	995
Great barracuda	0	0	0	0	0	21	0	0	0	0	0	0	21
Greater amberjack	4,343	1,253	1,268	506	758	828	849	328	0	0	0	0	10,133
Grouper, scamp	241	301	137	256	0	586	408	16	0	0	0	0	1,945
Grouper, unclassified	439	271	265	220	259	930	549	308	0	0	0	0	3,241
Grouper, waraaw	303	571	523	400	345	744	569	68	0	0	0	0	3,543
Kingfish, unclassified	234	1,540	441	0	0	0	0	0	0	0	0	0	2,215
Porphy, unclassified	0	0	0	0	0	0	0	0	0	0	0	0	0
Sea trout, sand	0	6	0	0	0	0	0	48	0	0	0	0	48
Shark, shortfin mako	0	0	0	0	0	51	25	38	0	0	0	0	120
Shark, unclassified	290	1,728	0	996	0	0	59	359	110	1,734	146	2,178	5,582
Snapper, red	9,566	13,342	868	53	232	633	248	83	0	0	0	0	4,155
Snapper, unclassified	12	63	5	2,650	4,799	11,779	14,963	25,748	0	0	0	0	85,318
Snapper, versallion	1,316	1,130	392	2,359	1,297	46	37	28	0	0	0	0	2,558
Swordfish	0	0	0	530	1,297	3,109	2,435	549	0	0	0	0	10,758
Tilefish	0	0	0	0	0	0	0	0	0	660	8,009	128	8,797
Triggerfish, gray	115	177	21	6	37	38	62	401	0	0	0	0	907
Tuna, unclassified	0	819	0	56	1,778	2,055	3,452	2,829	565	11,920	27,532	15,192	67,263
Unclassified rood	19	0	0	1,121	0	13	0	69	0	0	0	2,177	3,134
Unclassified scrap	0	1,383	0	467	96	105	994	242	142	2,313	168	0	5,347
Mahoe	0	227	0	37	289	409	409	327	928	744	74	64	1,671
Total finfish	16,973	23,099	9,870	15,821	10,676	21,646	25,644	31,537	928	17,867	37,358	21,829	233,248
SHELLFISH													
Crab, blue	0	0	833	0	0	0	0	0	0	0	0	0	833
Squid, unclassified	0	178	139	300	286	0	0	971	0	0	0	0	1,876
Total shellfish	0	178	972	300	286	0	0	971	0	0	0	0	2,709
Grand Total	16,973	23,277	10,842	16,121	10,964	21,646	25,644	32,328	928	17,867	37,358	21,829	235,957

Table E.10. Ex-vessel (\$) value of each species, except shrimp, landed commercially from Gulf of Mexico grid zone 21.0 during 1991.

Species	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
FINFISH													
Black drum	0	15	0	0	0	0	0	0	0	0	1,521	0	1,536
Cobia	0	0	0	0	25	255	186	43	0	0	0	0	508
Dolphin	0	197	0	2	740	310	237	13	100	982	212	1,236	4,029
Florida pompano	57	4	0	3	0	0	6	3	14	12	0	0	100
Flounder, unclassified	0	0	141	0	0	0	0	0	0	0	0	1,068	1,209
Great barracuda	0	0	0	0	0	15	0	0	0	0	0	0	15
Greater amberjack	3,472	1,002	1,014	431	606	662	679	262	0	0	0	0	8,130
Grouper, scamp	186	244	116	218	0	451	314	12	0	0	0	0	1,542
Grouper, unclassified	390	251	257	273	220	874	470	262	0	0	0	0	2,996
Grouper, warsaw	233	431	405	352	267	566	454	52	0	0	0	0	2,760
Kingfish, unclassified	40	262	132	0	0	0	0	0	0	0	0	0	434
Porgy, unclassified	0	0	0	0	0	0	0	12	0	0	0	0	12
Seatrou, sand	0	2	0	0	0	31	15	23	0	0	0	0	71
Shark, shortfin mako	0	0	0	1,952	0	0	177	1,167	110	4,343	657	7,642	16,048
Shark, unclassified	49	3,841	151	9	32	108	42	17	0	0	0	0	4,250
Snapper, red	14,802	22,668	4,688	3,357	7,644	18,900	22,264	36,324	0	0	0	0	130,445
Snapper, unclassified	9	49	4	5,526	6	37	30	23	0	0	0	0	5,684
Snapper, vermillion	1,121	483	348	451	1,247	2,749	2,070	467	0	0	0	0	8,935
Swordfish	0	0	0	0	0	0	0	0	0	2,448	27,181	512	30,141
Tilefish	0	0	3,520	0	0	0	0	1	0	0	0	0	10,173
Triggerfish, gray	21	126	9	25	16	17	27	108	0	0	0	0	349
Tuna, unclassified	0	1,617	0	3,290	3,549	2,681	5,335	4,440	1,227	25,306	66,120	47,173	160,735
Unclassified food	10	0	147	467	61	4	0	69	142	2,313	168	2,177	2,974
Unclassified scrap	0	1,218	0	0	0	105	994	242	0	0	0	0	5,182
Whoo	0	193	0	37	289	0	409	327	0	244	74	64	1,637
Total finfish	20,389	32,601	10,732	23,043	14,704	27,764	33,710	43,869	1,593	35,646	95,933	59,872	399,855
SHELLFISH													
Crab, blue	0	0	333	0	0	0	0	0	0	0	0	0	333
Squid, unclassified	0	107	75	90	86	0	0	146	0	0	0	0	503
Total shellfish	0	107	408	90	86	0	0	146	0	0	0	0	837
Grand Total	20,389	32,708	11,140	23,133	14,790	27,764	33,710	44,015	1,593	35,646	95,933	59,872	400,692

Table E.11. Weight (lb) of each shrimp species (heads-on) landed commercially from the Gulf of Mexico during 1991.

Month	Brown and Pink	White	Other	Total
January	1,218,752	135,144	3,292	1,357,189
February	1,440,029	389,352	52,263	1,881,644
March	1,243,419	394,376	220,467	1,858,262
April	1,367,692	388,426	707,360	2,463,478
May	2,019,824	690,094	199,092	2,909,010
June	1,897,338	505,081	7,026	2,409,446
July	19,236,191	2,035,767	0	21,271,968
August	11,516,425	911,872	4,088	12,432,386
September	5,189,016	1,642,274	1,022	6,832,312
October	4,680,550	1,793,235	56,494	6,530,278
November	3,185,361	1,462,037	558,381	5,205,779
December	3,653,921	307,105	75,817	4,036,843
Total	56,648,518	10,654,795	1,885,302	69,188,615

Table E.12. Ex-vessel value (\$) of each shrimp species (heads-on) landed commercially from the Gulf of Mexico during 1991.

Month	Brown and Pink	White	Other	Total
January	3,684,735	278,682	1,847	3,965,264
February	4,745,591	562,773	31,373	5,339,737
March	4,083,664	828,105	119,239	5,031,008
April	4,408,784	940,640	386,307	5,735,731
May	4,438,479	1,992,286	99,190	6,529,955
June	3,395,550	1,454,699	3,280	4,853,529
July	36,950,075	6,891,939	0	43,842,014
August	26,301,265	2,699,548	4,084	29,004,897
September	13,971,198	4,172,812	918	18,144,928
October	12,546,019	4,624,336	34,214	17,204,569
November	8,061,590	2,975,101	142,062	11,178,753
December	9,174,162	603,445	14,383	9,791,990
Total	131,761,112	28,024,366	836,897	160,622,375

Appendix F. Weight (lb) and ex-vessel value (\$) of menhaden caught off Texas but landed commercially in Louisiana during 1977-1991.

Table F.1. Total weight (lb. x 1,000) and ex-vessel value (\$ x 1,000) of menhaden (Brevoortia sp.) caught off Texas but landed commercially in Louisiana during 1977-1991. Data from NMFS.

Year	Total weight landed	Total ex-vessel value
1977	46,076.1	1,828.8
1978	111,552.8	4,813.5
1979	116,623.3	4,983.3
1980	52,028.6	2,323.6
1981	131,394.2	5,148.0
1982	121,693.9	4,698.6
1983	95,459.2	3,865.1
1984	116,623.3	4,588.0
1985	49,550.6	1,949.3
1986	141,147.3	7,410.2
1987	110,230.0	4,626.4
1988	80,485.1	4,185.2
1989	95,700.0	4,785.0
1990	76,673.8	3,680.3
1991	75,862.5	3,641.4

Appendix G. Weight (lb) of Eastern oyster meat transplanted to private oyster leases, and weight and ex-vessel value (\$) of reported commercial landings from private oyster leases in Texas bay systems during 1977-1991.

Table G.1. Total weight (lb. x 1,000) and ex-vessel value (\$ x 1,000) of commercial landings of Eastern oyster meat from private oyster leases in Texas bays during 1977-1991. Data based on annual oyster location lease reports of private oyster leaseholders.

Year	Total number of leases	Total acreage leased	Total weight landed	Total ex-vessel value
1977	32	1,831.7	1,078.4	1,293.3
1978	35	1,946.9	508.6	577.6
1979	44	2,368.1	40.9	63.4
1980	44	2,368.1	600.0	982.0
1981	45	2,446.9	504.0	799.8
1982	45	2,446.9	704.1	1,034.7
1983	48	2,510.2	1,047.8	1,495.9
1984	47	2,466.3	643.9	1,095.4
1985	44	2,356.2	483.4	876.5
1986	44	2,356.2	1,652.6	3,246.4
1987	44	2,356.2	1,165.7	2,774.3
1988	43	2,322.0	801.5	2,002.2
1989	43	2,322.0	729.5	1,812.8
1990	43	2,322.0	704.2	2,591.8
1991	43	2,322.0	902.6	2,579.7

Table G.2. Total weight (lb x 1,000) of Eastern oyster meat transplanted to private oyster leases in Texas bay systems during 1978-1991. Data based on weekly oyster transplant reports submitted to TPWD by oyster leaseholders.

Year	Months												Total
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1978	0.0	0.0	0.0	0.0	378.0	35.0	0.0	353.5	245.0	0.0	0.0	0.0	1,011.5
1979	0.0	0.0	0.0	0.0	582.8	0.0	0.0	271.3	24.5	0.0	0.0	0.0	878.5
1980	0.0	0.0	0.0	0.0	355.3	61.3	0.0	141.8	0.0	0.0	0.0	0.0	558.3
1981	0.0	0.0	0.0	0.0	656.3	124.3	0.0	185.5	318.5	0.0	0.0	0.0	1,284.5
1982	0.0	0.0	0.0	0.0	372.8	7.0	0.0	435.8	21.0	0.0	0.0	0.0	836.5
1983	0.0	0.0	0.0	0.0	871.5	432.3	0.0	493.5	236.3	0.0	0.0	0.0	2,033.5
1984	0.0	0.0	0.0	341.3	484.8	0.0	0.0	761.3	283.5	0.0	0.0	0.0	1,870.8
1985	0.0	0.0	0.0	0.0	693.0	448.0	273.0	502.3	99.8	0.0	0.0	0.0	2,016.0
1986	0.0	0.0	0.0	0.0	1,436.9	402.3	530.5	530.4	442.0	123.3	0.0	0.0	3,465.4
1987	0.0	0.0	0.0	0.0	1,025.6	338.4	340.7	251.6	189.4	146.3	0.0	0.0	2,292.1
1988	0.0	0.0	0.0	0.0	1,424.3	360.8	0.0	80.5	73.9	4.9	0.0	0.0	1,944.5
1989	0.0	0.0	0.0	0.0	639.1	127.3	0.0	116.3	145.9	174.2	0.0	0.0	1,203.8
1990	0.0	0.0	0.0	0.0	824.1	213.3	0.0	146.7	696.1	226.2	0.0	0.0	2,106.4
1991	0.0	0.0	0.0	0.0	694.4	215.9	0.0	314.7	278.8	13.3	0.0	0.0	1,517.1

Data prior to 1978 not available.

Table G.3. Total weight (lb x 1,000) of Eastern oyster meat landed from private oyster leases in Texas bay systems during 1978-1991. Data based on monthly oyster harvest reports submitted to TPWD by oyster leaseholders.

Year	Months												Total
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1978	60.6	49.8	58.0	55.1	13.5	65.1	83.5	25.7	41.9	53.9	1.6	0.0	508.7
1979	0.4	1.4	0.7	0.0	0.0	0.0	6.2	0.0	0.0	14.1	9.9	5.6	38.3
1980	17.8	16.3	12.8	20.5	47.0	77.2	113.4	76.1	99.5	85.0	1.1	2.1	568.8
1981	26.1	36.3	30.5	38.1	47.6	62.6	67.2	35.1	22.7	49.3	31.4	28.8	475.7
1982	11.6	14.6	26.2	38.7	64.9	63.0	60.4	66.5	64.3	92.1	0.0	0.0	502.3
1983	0.0	25.4	35.6	82.4	120.9	198.9	164.6	65.1	64.5	88.8	11.2	6.9	864.3
1984	8.2	10.5	36.9	45.2	83.9	123.6	42.4	43.9	29.2	104.1	1.4	14.5	543.8
1985	5.4	0.0	0.0	6.8	42.4	84.1	83.0	58.4	40.3	65.0	0.0	0.0	385.4
1986	51.9	99.2	117.6	160.3	122.1	237.6	240.4	151.7	71.2	129.6	2.7	37.8	1,486.1
1987	0.0	110.6	64.5	91.2	167.3	256.8	159.2	120.8	62.4	65.9	54.4	11.3	1,164.4
1988	4.8	51.4	77.4	96.4	31.1	168.4	134.8	73.4	32.6	83.8	8.2	12.0	774.3
1989	31.1	65.5	87.6	75.2	92.1	139.2	0.0	60.4	68.6	81.3	1.9	14.4	717.3
1990	20.4	36.9	77.0	78.8	81.1	135.1	69.6	32.1	42.6	109.8	6.7	14.1	704.2
1991	2.0	18.1	2.2	27.9	193.8	130.4	133.8	124.5	142.1	127.2	0.2	0.4	902.6

Data prior to 1978 not available.

Appendix H. Number of commercial licenses sold in Texas in each fiscal year (September-August) from 1956-1991.

Table H.1. Number of commercial dealer licenses sold in Texas in each fiscal year from 1956 through 1991*. Before 1972, license sales were assigned to the fiscal year in which license applications were processed in Austin. Thereafter, sales reflect actual licenses for the license year, regardless of when the sales were processed.

Fiscal Year	Retail fish ^b			Retail fish truck	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	3,936	157	96	0	0	0
1957	2,691	1,425	3,841	80	3,533	155	88	0	0	0
1958	2,792	1,376	3,639	84	4,391	142	76	0	0	0
1959	2,809	1,593	3,963	84	5,007	171	73	6	25	0
1960	3,163	1,491	3,775	86	4,043	175	81	18	582	0
1961	3,390	1,499	3,482	78	3,865	185	87	9	528	2
1962	3,388	1,549	3,564	63	3,421	187	72	10	502	5
1963	3,414	1,594	3,437	88	3,192	201	83	16	500	1
1964	3,485	1,650	3,688	76	3,260	205	69	29	476	3
1965	3,435	1,598	3,585	73	3,034	209	71	36	412	2
1966	3,467	1,617	3,559	65	2,968	234	78	28	417	1
1967	3,433	1,573	3,492	46	3,272	227	69	29	416	1
1968	3,455	1,619	3,477	57	3,030	241	74	37	432	1
1969	3,445	1,645	3,441	50	3,071	203	67	31	405	1
1970	3,574	1,599	3,481	53	3,169	211	62	33	408	1
1971	3,639	1,585	3,418	73	3,214	225	62	34	397	1
1972	3,758	1,543	3,420	96	3,113	219	52	33	439	1
1973	3,692	1,523	3,323	122	2,921	219	65	33	430	1
1974	3,721	1,478	2,801	167	2,456	251	54	27	417	0
1975	3,630	1,413	2,706	437	2,675	250	57	26	417	0
1976	3,513	1,450	2,717	489	2,998	241	53	25	423	0
1977	3,005	1,331	2,704	601	3,020	260	67	25	422	0
1978	2,920	1,301	2,719	786	2,991	259	77	27	419	0
1979	2,817	1,212	2,667	605	2,877	255	60	28	449	0
1980	2,449	1,124	2,460	544	2,853	265	44	30	476	0
1981	2,482	1,156	2,371	895	2,776	254	53	27	500	0
1982	2,256	1,144	2,244	1,287	2,828	307	82	29	520	0
1983	2,202	1,120	2,259	1,185	2,895	329	102	34	543	0
1984 ^c	5,122			900	2,600	325	67	28	484	0
1985	4,994			1,026	2,638	327	79	26	488	0
1986	4,560			1,005	2,751	361	84	28	510	0
1987	4,397			844	2,733	398	94	29	505	0
1988	3,989			776	2,756	447	99	30	527	0
1989	3,800			759	2,712	448	86	26	532	0
1990	3,623			706	2,709	412	74	23	524	0
1991	3,574			655	2,267	392	68	19	479	0

*License data are not additive for any row since dealers may have multiple licenses.

^bLarge = Dealer located in a city with >40,000 population.

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

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

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

Table H.2. Number of commercial saltwater fishermen licenses sold in Texas in each fiscal year from 1956 through 1991. Before 1972, license sales were assigned to the fiscal year in which license applications were processed in Austin. Thereafter, sales reflect actual licenses for the license year, regardless of when the sales were processed.

Fiscal Year	General						Finfish			
	Tidal water	Red drum	Resident ^a		Non- ^b Resident		Resident	Non-resident	Menhaden only	Import
			Fishermen	Vessel	Fishermen	Vessel				
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			36,431							
1973			38,539							
1974			32,454							
1975			27,386							
1976			26,641							
1977			27,359							
1978		541	28,425							
1979	32,823	605	4,379							
1980		636	19,660	0	2,291		1,989	46	558	
1981		635	14,205	2,632	3,581		1,678	444	80	
1982			13,427	2,691	3,870		632	16		336
1983			13,591	2,797	4,775		670	31		281
1984			12,357	2,535	5,503		452	11		205
1985			11,244	2,498	5,352		466	28		187
1986			10,803	2,288	1,742	519	486	46		221
1987			10,885	2,204	1,725	859	479	24		179
1988			10,429	2,172	1,348	850	596	20		155
1989			9,036	2,078	1,309	877	506	54		121
1990			7,707	1,965	988	804	633	71		92
1991			7,446	2,162	309	509	637	6		108

^aUntil 1980 there were no divisions in the General Commercial Fishing Licenses.
^bTotal sales regardless of fee per license which depends on state of residency of purchaser.

Table H.3. Number of commercial fishing gear licenses sold in Texas in each fiscal year from 1956 through 1991. Before 1972, license sales were assigned to the fiscal year in which license applications were processed in Austin. Thereafter, sales reflect actual licenses for the license year, regardless of when the sales were processed.

Fiscal year	Saltwater trotline tags	Seine tags ^b	Commercial oyster dredge ^a	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	16,211	13,820	195	0
1973	18,499	15,356	126	0
1974	22,570	17,319	99	0
1975	17,391	16,617	40	0
1976	18,100	17,277	16	0
1977	18,493	16,045	72	0
1978	14,488	14,738	59	0
1979	16,371	17,312	58	2
1980	16,866	13,971	52	8
1981	17,947	9,510	109	1
1982	16,702	8,096	103	2
1983	15,943	8,498	169	0
1984	9,323	6,325	265	1
1985	7,818	7,164	127	1
1986	8,318	7,184	116	0
1987	8,849	6,528	185	2
1988	9,841	7,264	784 (73)	0
1989	9,538	2,859	941 (76)	3
1990	10,587	2,545	-	5
1991	9,930	2,060	-	3

^aCommercial oyster license not required for fishermen holding commercial bay or bait shrimp boat licenses from 1971 through 1987. Commercial oyster boat license took place of dredge license in 1990.

^bNetting in saltwater was prohibited September 1, 1988.

Table H.4. Number of commercial saltwater boat and vessel licenses sold in Texas in each fiscal year from 1956 through 1991. Before 1972, license sales were assigned to the fiscal year in which license applications were processed in Austin. Thereafter, sales reflect actual licenses for the license year, regardless of when the sales were processed. Total non-resident licenses are within parentheses.

Fiscal Year	Fishing boat	Fishing Boat (menhaden only)	Gulf shrimp	Bay shrimp	Bay-bait shrimp boat	Bait shrimp boat	Commercial oyster boat
1956	1,392	39				1,196	
1957	1,535	36				1,321	
1958	2,466	36				1,460	
1959	2,657	47	125		1,846	632	
1960	2,280	21	1,755		2,506	768	
1961	1,616	24	1,947		2,456	881	
1962	1,396	24	1,655		3,328	966	
1963	1,314	13	1,636	24		1,261	
1964	1,380	17	1,938	1,849		1,372	
1965	1,236	26	1,958	2,217		1,625	
1966	1,147	22	1,947	1,969		1,341	
1967	1,029	27	2,140	1,760		1,404	
1968	997	39	2,437	1,953		1,449	
1969	978	37	2,624	2,457		1,521	
1970	1,066	36	2,871	3,218		1,751	
1971	1,086	31	2,900	3,743		2,026	
1972	1,320	42	3,239	4,040		2,218	
1973	1,354	54	3,393	3,985		2,277	
1974	1,456	45	3,225	3,793		2,724	
1975	1,278	53	2,714	3,234		2,837	
1976	1,388	50	2,571	2,827		2,713	
1977	1,586	36	2,886	3,233		2,445	
1978	1,379	18	3,168	3,765		2,454	
1979	1,755	22	3,363	4,444		2,376 (2)	
1980	1,504	13	3,311	4,467		2,135 (4)	
1981	1,254	12	3,738	5,215		1,817 (6)	
1982	787	38	4,027	4,477		1,707 (3)	
1983	1,095	41	4,139	4,771			
1984	1,100	36	3,824	4,724			
1985	917	26	3,630	4,456			
1986	947	25	2,946	3,660			
1987	1,042	26	3,083	3,340			
1988	1,233 (68)	25	2,427 (540)	3,037 (6)			
1989	1,181 (71)	22	2,233 (508)	2,779 (7)			
1990	994 (7)	21	2,167 (604)	2,431 (5)			
1991	879 (2)	12	2,006 (568)	2,338 (5)			

*License data are not additive for any row since boats may have multiple licenses.

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