

Trends in Texas Commercial Fishery Landings, 1972-1990

by
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and
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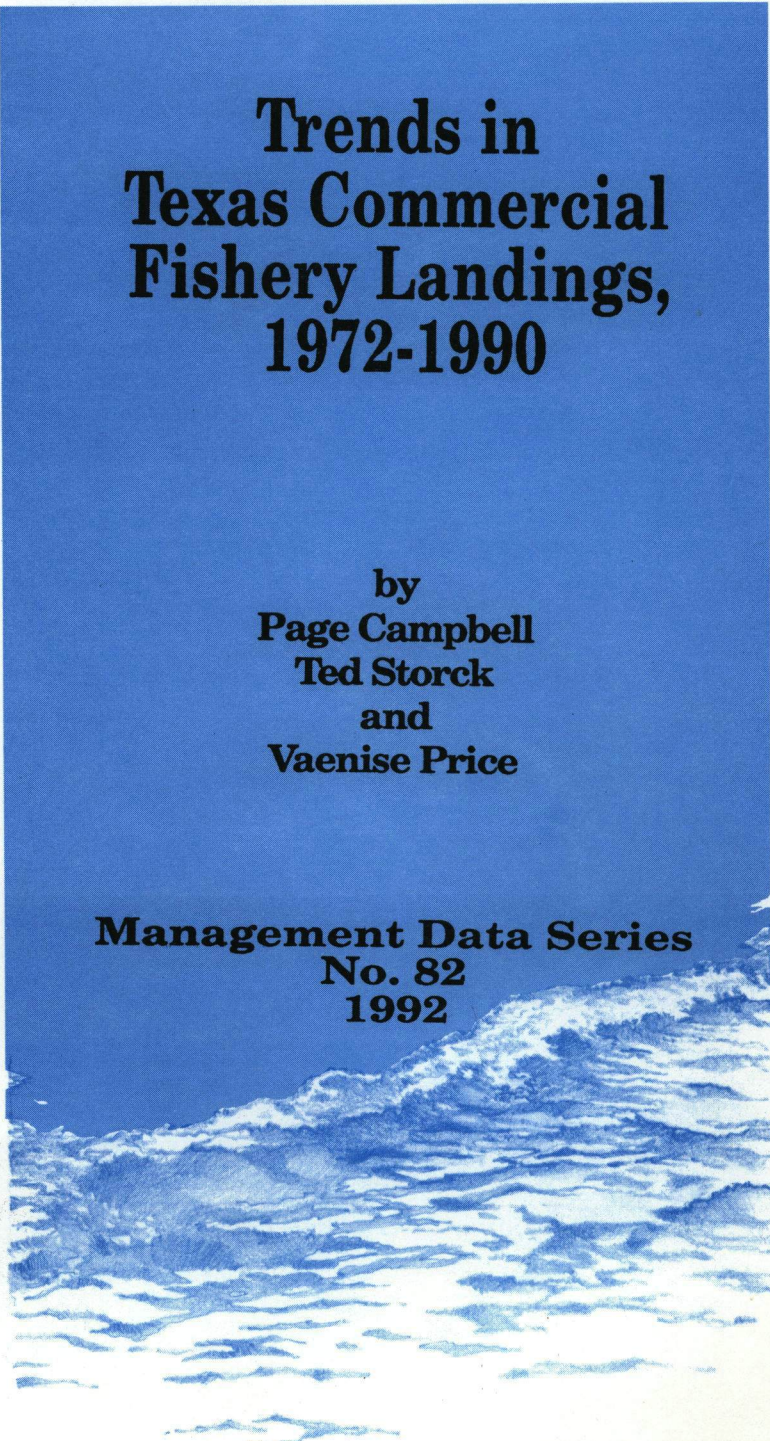
Management Data Series
No. 82
1992



TEXAS
PARKS & WILDLIFE
DEPARTMENT

FISHERIES & WILDLIFE
DIVISION

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LIST OF TABLES

Table 1.	List of common and scientific names of species caught or landed in Texas	7
Table 2.	Summary of commercial fishing seasons in Texas marine waters during 1990.	10
Table 3.	Texas commercial finfish and shellfish landings (lb x 1,000), 1972-1990.	11
Table 4.	Texas commercial finfish and shellfish ex-vessel value (\$ x 1,000), 1972-1990	12
Table 5.	Weight (lb x 1,000) of each species landed commercially from Texas bay systems, 1972-1990	13
Table 6.	Ex-vessel value (\$ x 1,000) of each species landed commercially from Texas bay systems, 1972-1990	14
Table 7.	Weight (lb x 1,000) of "other" finfish species landed commercially from Texas bay systems, 1972-1990	15
Table 8.	Ex-vessel value (\$ x 1,000) of "other" finfish species landed commercially from Texas bay systems, 1972-1990	16
Table 9.	Weight (lb x 1,000) of "other" shellfish species landed commercially from Texas bay systems, 1972-1990	17
Table 10.	Ex-vessel value (\$ x 1,000) of "other" shellfish species landed commercially from Texas bay systems, 1972-1990	18
Table 11.	Weight (lb x 1,000) of each species landed commercially from the Gulf of Mexico, 1972-1990	19
Table 12.	Ex-vessel value (\$ x 1,000) of each species landed commercially from the Gulf of Mexico, 1972-1990	20
Table 13.	Weight (lb x 1,000) of "other" finfish species landed commercially from the Gulf of Mexico, 1972-1990	21
Table 14.	Ex-vessel value (\$ x 1,000) of "other" finfish species landed commercially from the Gulf of Mexico, 1972-1990	23
Table 15.	Weight (lb x 1,000) of "other" shellfish species landed commercially from the Gulf of Mexico, 1972-1990	25
Table 16.	Ex-vessel value (\$ x 1,000) of "other" shellfish species landed commercially from the Gulf of Mexico, 1972-1990	26

LIST OF TABLES
(Cont'd.)

Table 17. Ex-vessel price (\$/lb) of finfish, 1972-1990	27
Table 18. Ex-vessel price (\$/lb) of shellfish, 1972-1990	28

LIST OF FIGURES

Figure 1.	Texas bay systems and Gulf of Mexico grid zones	29
Figure 2.	Monthly Marine Products Report (MMPR) form	30
Figure 3.	Texas commercial landings (lb) and ex-vessel value (\$) for all seafood from bays and the Gulf (grand total), by year for 1972-1990	31
Figure 4.	Texas commercial landings (lb) and ex-vessel value (\$) of brown and pink shrimp, white shrimp, other shrimp and total shrimp landed for 1972-1990.	32
Figure 5.	Texas commercial landings (lb) and ex-vessel value (\$) of blue crab, Eastern oyster, other shellfish and total shellfish landed for 1972-1990	33
Figure 6.	Texas commercial landings (lb) and ex-vessel value (\$) of black drum, flounder, sheepshead, and snapper (all species) landed for 1972-1990	34
Figure 7.	Texas commercial landings (lb) and ex-vessel value (\$) of total finfish for 1972-1990	35
Figure 8.	Percent of total coastwide bay and Gulf landings and ex-vessel value contributed by major commercial species groups for the interval 1986-1990	36
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 1986-1990	37
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 1986-1990	38

LIST OF APPENDICES

Appendix A.	Conversion factors used for finfish and shellfish. . .	39
Appendix B.	Weight (lb) and ex-vessel value (\$), by bay system, of commercial finfish and shellfish landings along the Texas coast during 1972-1990	42
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 1972-1990	61
Appendix D.	Monthly commercial finfish and shellfish landings (lb) and ex-vessel value (\$), by bay system, for Texas bays during 1990	72
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 1990	91
Appendix F.	Weight (lb) and ex-vessel value (\$) of menhaden caught off Texas but landed commercially in Louisiana during 1977-1990	114
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 1977-1990	116
Appendix H.	Number of commercial licenses sold in Texas in each fiscal year (September-August) from 1956-1990	119

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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 1990 were more than 98 million pounds and ex-vessel value was over \$175 million. These values were 14% and 29%, respectively, below the record values of 1986.

Shrimp accounted for 87% of the weight and 93% of ex-vessel value of all seafood landed in calendar year 1990. During 1990 blue crabs, Eastern oysters and finfish made up 10%, 5%, and 4% of total landings, respectively, and 3%, 4%, and 3% of the total ex-vessel value, respectively. Compared to 1989 prices, the 1990 average unit price for shrimp did not change; the unit prices of blue crabs and finfish decreased 14% and 7%, respectively, while the unit price of Eastern oysters increased 25%.

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 1990.

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 MMPRs 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 fisherman fishing in 1990 were subject to the fishing regulations listed in Table 2.

All MMPRs were checked for completeness by TPWD personnel. Suspected errors were corrected after contacting the submitting dealer to check the questionable information and verify any necessary corrections. All seafood products, except Eastern oysters (Crassostrea virginica), which were not reported in live weight by dealers were converted to live weight (round weight) using conversion factors listed in Appendix A. Eastern oyster landings were converted to meat weight (Appendix A, Table A.3).

Landings of Eastern oysters from leases were reported by leaseholders through MMPRs, 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 19-year period of 1972-90 more than 1.8 billion pounds of seafood products valued at over \$2.9 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 1986-1990, brown shrimp (Penaeus aztecus), pink shrimp (P. duorarum), and white shrimp (P. setiferus), represented approximately 83% of the total coastwide bay and Gulf landings by weight and 92% of total ex-vessel value (Figure 8). Blue crabs (Callinectes sapidus), represented 10% of total landings and 3% of ex-vessel value. Eastern oysters represented 5% of total landings and 4% of ex-vessel value. Finfish collectively represented 4% of total landings and 3% of ex-vessel value. Gulf landings constituted 65% of total landings and 82% of total ex-vessel value.

A comparison of landings among bay systems for the interval 1986 through 1990 indicates that landings from the Galveston Bay system equalled or exceeded all others for every product group except brown and pink shrimp (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 (1986-1990), mean price per pound paid to commercial fishermen for black drum, flounder, sheepshead and snapper have generally increased (Table 17). In contrast, 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 has generally increased during this interval. Compared to 1989 prices, the average 1990 unit price for shrimp did not change; the unit price of blue crabs and finfish decreased 14% and 7%, respectively, while the unit price of Eastern oysters increased 25%.

Annual summaries of landings and ex-vessel value by bay system and Gulf grid zone are presented in Appendices B and C. Monthly summaries for 1990 of 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 1977-1990 are presented in Appendix F. During that 14-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 1990 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 1990, 704,200 pounds of meat valued at \$2,591,800 was landed in Texas from oyster leases.

The number of commercial licenses sold in Texas in each fiscal year (September-August) from 1956 to 1990 are presented in Appendix H. During the last five years (1986-1990), 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 98 million pounds of seafood with an average ex-vessel value of \$175 million are reported landed annually. 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 does not include over 99 million pounds of menhaden worth over \$4 million (ex-vessel) that are annually caught off Texas but landed in Louisiana.

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

Although commercial landings data have been used to determine the relative abundance of the resource, several assumptions must be made. In particular, the amount of inaccurate or incomplete reporting is typically unknown and must be considered constant when making temporal or spatial comparisons. Different reporting requirements can affect the amount of non-reporting, and thus, 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 to be sold as bait are not reportable. 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 MMPRs 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^a</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>Sphyraena 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.)

Common name	Scientific name ^a
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.)

Common name	Scientific name ^a
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>Xiphopenaeus 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 1990.

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	Gulf (0-7 fathoms)	All ^b	15 Aug-15 Dec	Day ^d	None.
Crabs	Trawl	Gulf (>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.
	Trap, trawl, net, hook, and line	Bays ^c , Gulf ^f	All	All year	24 h	None.
Oysters	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.
Finfish	Perch trap	Bays ^c , Gulf ^f	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
Oysters	Purse seine	Gulf ^f	All ^b	Apr-Oct ^e	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
- ^aRed drum and spotted seatrout excluded
- ^bNight is defined as the time between 30 min. after sunset and 30 min. before sunrise.
- ^cDay is defined as the time between 30 min. before sunrise and 30 min after sunset.
- ^dPermitted in designated portions of bays.
- ^ePermitted in Gulf waters with restrictions.
- ^fNetting permitted from third Monday in Apr until Friday after second Tuesday in Oct.

Table 3. Texas commercial finfish and shellfish landings (lb x 1000), 1972-1990.

Year	Finfish					Shellfish					Grand Total				
	Black drum	Flounder	Sheeps-head	Snapper		Brown and Pink	Shrimp			Blue Eastern Crab		Oyster	Other ^b	Total	
				Other ^a	Total		White	Other	Total						
1972	1164.9	453.8	237.4	1238.0	3661.9	6755.9	79909.1	18218.3	13.2	98140.6	6464.4	3917.2	5.4	108527.5	115283.5
1973	1207.9	341.9	269.4	781.4	4672.4	7273.1	60142.0	22953.1	1025.0	84120.0	6881.1	1927.2	5.4	92933.8	100206.9
1974	1356.8	507.1	369.8	742.9	4985.3	7962.0	58983.5	17785.5	1437.3	78206.3	6087.6	1243.7	14.9	85552.6	93514.6
1975	1171.6	492.6	318.8	627.4	5017.2	7627.6	55142.8	14619.9	746.1	70508.8	5991.5	1756.0	6.5	78262.9	85890.4
1976	2090.6	434.5	379.0	495.1	4699.4	8098.6	58550.8	15492.3	363.3	74406.3	6668.4	3880.7	20.3	84975.7	93074.3
1977	1453.5	310.9	293.9	440.0	2795.7	5294.1	71897.5	19420.2	260.3	91578.0	8248.6	2600.5	13.8	102440.9	107734.9
1978	1785.5	237.1	327.9	388.3	2447.7	5186.4	62329.7	21464.7	332.3	84126.7	7469.6	1907.0	15.5	93518.8	98705.2
1979	1531.4	232.4	406.1	214.7	2163.7	4548.3	50459.3	16474.2	719.2	67652.7	8311.5	888.8	0.9	76853.9	81402.2
1980	1058.4	194.9	473.5	231.6	2392.6	4351.1	58332.0	14235.3	1330.2	73897.6	8953.0	1738.5	0.0	84589.0	88940.1
1981	663.8	130.4	202.8	165.9	1513.5	2676.5	78494.0	16160.5	1075.7	95730.2	6952.0	1306.6	0.0	103988.8	106665.3
1982	1249.0	535.9	322.4	369.6	524.1	3000.9	51386.4	18288.1	1211.1	70885.6	8009.9	3633.1	13.4	82542.0	85543.0
1983	1492.8	474.3	275.9	261.9	425.6	2930.5	50707.3	20369.5	916.9	71993.6	8829.1	7940.7	7.8	88771.3	91701.9
1984	900.2	380.1	179.2	452.2	367.1	2278.8	62051.7	27952.1	232.5	90236.3	7228.6	5167.7	46.0	102678.6	104957.4
1985	643.9	443.5	183.2	663.5	1258.8	3192.9	57432.1	24202.3	606.1	82240.5	9722.0	5133.9	171.7	97268.1	100461.0
1986	586.0	560.3	151.2	917.7	1102.6	3299.8	67782.6	27476.2	143.2	97004.0	9481.9	5649.3	199.5	112334.7	115634.5
1987	858.7	551.3	132.9	701.5	1147.5	3391.8	68726.4	19652.9	5123.6	93502.9	11688.5	2897.1	122.7	108211.1	111602.9
1988	739.1	273.8	168.1	806.8	1879.0	3866.8	58874.5	16510.3	4670.6	80055.3	10428.2	2269.6	309.1	93062.2	96929.0
1989	610.9	154.2	42.0	589.1	1069.8	2466.0	62453.9	10850.3	3807.6	77111.8	9066.2	1979.9	202.0	88360.0	90826.0
1990	599.7	144.0	28.3	549.8	727.7	2049.5	65222.2	18421.3	2376.6	86020.1	8598.7	1925.4	235.8	96780.0	98829.5

^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 1000), 1972-1990.

Year	Finfish					Shellfish					Grand Total				
	Black drum	Flounder	Sheeps-head	Other ^a		Total	Shrimp			Blue Eastern Crab		Oyster	Other ^b		
				Snapper	Other		White	Other	Total						
1972	135.4	119.7	19.6	572.0	881.7	1728.5	65049.4	15619.6	1.1	80670.1	652.6	2486.6	0.8	83810.1	85538.6
1973	154.3	105.3	24.5	401.5	1270.2	1955.8	65002.0	22864.2	272.3	88138.5	830.4	1812.6	0.8	90782.3	92738.1
1974	221.4	149.0	26.5	415.8	1348.9	2161.5	51370.6	16031.9	341.8	67744.3	832.4	1115.8	2.7	69695.1	71856.7
1975	207.7	176.0	27.2	393.4	1611.3	2415.8	71180.3	16132.4	151.7	87464.4	947.7	1392.0	1.4	89805.6	92221.3
1976	508.8	179.8	41.3	353.1	1808.1	2891.1	95881.2	23440.5	67.7	119389.4	1179.3	3200.2	4.6	123773.5	126664.6
1977	399.8	170.8	28.8	420.9	1318.8	2339.0	100815.9	24627.2	235.2	125678.2	1946.7	2991.7	4.1	130620.8	132959.9
1978	607.5	173.1	39.2	403.5	1447.5	2670.9	101798.7	38837.6	344.6	140980.8	2003.8	2205.6	4.4	145194.7	147865.6
1979	602.3	190.0	55.7	261.5	1538.6	2648.3	117237.2	34687.5	381.0	152305.8	2146.0	1048.7	0.2	155500.7	158149.0
1980	539.7	153.7	66.5	351.3	2044.5	3155.6	113972.9	25637.8	433.2	140043.8	2455.8	2692.3	0.0	145192.0	148347.7
1981	378.1	138.2	42.0	267.8	1487.4	2313.5	133226.9	31774.9	317.9	165319.8	1928.5	2028.5	0.0	169276.8	171590.3
1982	782.5	521.4	79.6	669.2	136.8	2189.5	131658.5	43724.9	504.4	175887.7	2375.1	5313.7	5.0	183581.5	185771.0
1983	971.0	445.6	65.9	383.5	118.5	1984.5	125430.4	45682.8	330.7	171443.8	3250.2	11336.7	3.3	186034.0	188018.5
1984	449.3	351.0	36.8	818.3	119.5	1774.9	125724.7	53607.1	198.5	179530.2	2252.4	8308.7	22.9	190114.3	191889.2
1985	427.3	445.2	41.1	1242.4	555.8	2711.9	113421.2	47796.6	164.9	161382.7	3309.7	8754.8	127.7	173574.9	176286.8
1986	411.2	540.2	35.6	1711.2	901.3	3599.5	167301.9	60882.5	925.6	229110.1	3170.5	10486.8	106.8	242874.3	246473.7
1987	598.0	538.8	37.8	1313.9	1122.2	3610.7	144691.3	37611.8	3647.3	185950.5	4473.9	6891.4	57.6	197373.4	200984.1
1988	565.7	337.5	47.6	1563.1	2034.6	4548.6	130497.7	33872.1	2546.4	166916.2	4325.8	5669.6	154.4	177066.1	181614.7
1989	474.6	187.1	12.6	1185.6	1168.5	3028.3	119761.7	22325.7	2018.2	144105.6	3946.3	4903.9	132.0	153087.8	156116.1
1990	478.1	180.9	9.7	989.1	676.4	2334.4	124762.0	37916.2	1079.7	163757.9	3305.3	5982.0	147.4	173192.5	175526.9

^a Other finfish listed in Tables 8 and 14.

^b Other shellfish listed in Tables 10 and 16.

Table 5. Weight (lb x 1000) of each species landed commercially from Texas bay systems, 1972-1990.

Year	Finfish										Shellfish						Grand Total
	Sheeps-head			Brown and Pink			Shrimp				Blue Eastern Crab		Oyster		Total		
	Black drum	Flounder	head	Mullet	Other ^a	Total	Brown and Pink	White	Other	Total	Blue Eastern Crab	Oyster	Other ^b	Total			
1972	1119.7	121.9	155.9	73.6	2840.3	4311.4	1856.5	6366.9	0.0	8223.4	6450.0	3917.2	2.7	18593.2	22904.6		
1973	1143.2	92.7	206.6	105.7	3268.2	4816.4	4480.5	9830.1	0.0	14310.5	6713.1	1927.2	2.9	22953.8	27770.1		
1974	1289.4	187.7	296.3	30.5	3762.6	5566.4	2311.5	4302.5	0.2	6614.1	6047.6	1243.7	4.5	13910.0	19476.4		
1975	1109.1	239.3	272.5	34.1	3958.7	5613.7	2826.3	5705.3	0.0	8531.6	5951.7	1756.0	2.3	16241.7	21855.5		
1976	1998.5	251.1	325.3	30.2	3943.4	6548.6	4179.5	6098.4	0.0	10277.9	6648.1	3880.7	12.1	20818.8	27367.4		
1977	1390.7	210.4	260.0	7.8	2423.7	4292.7	4711.1	9391.4	1.6	14104.1	8237.4	2600.5	5.3	24947.3	29240.0		
1978	1752.3	192.6	317.0	8.1	2185.7	4455.7	5089.4	8293.2	0.0	13382.6	7467.8	1907.0	4.3	22761.7	27217.3		
1979	1504.7	206.8	383.5	82.5	1778.1	3955.5	7194.3	8027.7	0.0	15222.1	8311.0	888.8	0.3	24422.1	28377.6		
1980	1047.2	149.8	466.4	87.3	2179.6	3930.3	8031.4	6813.2	4.7	14849.2	8949.3	1738.5	0.0	25337.1	29467.4		
1981	649.5	101.8	193.7	85.2	1278.8	2309.1	7156.3	6096.0	0.0	13252.3	6945.6	1306.6	0.0	21504.4	23813.5		
1982	1224.5	439.4	303.6	137.7	195.9	2301.1	6837.4	7435.8	0.5	14273.8	8007.2	3633.1	10.1	25924.2	28225.3		
1983	1480.8	399.4	272.2	100.0	185.7	2438.0	10050.2	8033.3	0.0	18083.5	8794.0	7940.7	2.6	34820.9	37258.9		
1984	869.3	301.1	168.1	74.0	105.8	1518.3	11719.0	10509.6	0.1	22228.7	7201.2	5167.7	25.0	34622.7	36141.1		
1985	632.0	369.6	157.0	253.5	375.4	1787.6	9178.0	7101.5	3.0	16282.5	9691.0	5133.9	153.5	31260.9	33048.4		
1986	572.4	493.3	112.7	112.2	212.7	1503.2	9556.0	10894.0	1.5	20451.4	9399.1	5649.3	184.6	35684.5	37187.7		
1987	762.2	481.7	100.6	223.3	143.4	1711.3	13658.6	10027.8	5.5	23691.9	11651.2	2897.1	106.3	38346.5	40057.8		
1988	530.5	208.6	150.1	65.7	282.7	1237.7	11949.3	7428.4	3.6	19381.2	10341.7	2269.3	293.0	32285.1	33522.9		
1989	606.9	98.9	26.3	111.7	76.1	919.8	10253.0	3803.3	0.0	14056.3	8477.4	1964.9	182.2	24680.8	25600.6		
1990	587.0	81.6	26.2	98.6	115.4	908.7	12091.8	9567.9	0.0	21659.7	8566.1	1925.4	223.8	32375.1	33283.8		

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

Table 6. Ex-vessel value (\$ x 1000) of each species landed commercially from Texas bay systems, 1972-1990.

Year	Finfish						Shellfish						Grand Total		
	Black drum	Flounder	Sheeps-head	Mullet	Other ^a		Shrimp			Blue Eastern Crab				Other ^b	Total
					Total	Brown and Pink	White	Other	Total	Oyster	Crab	Oyster			
1972	129.9	36.4	11.5	3.6	751.4	932.8	537.7	4587.6	0.0	5125.3	651.5	2486.6	0.4	8263.7	9196.5
1973	146.0	32.8	17.8	5.6	974.7	1176.9	1852.5	7457.4	0.0	9309.9	808.1	1812.6	0.5	11931.0	13107.9
1974	213.3	61.8	19.0	2.0	1145.5	1441.5	606.3	3346.9	0.0	3953.3	828.9	1115.8	0.9	5898.9	7340.4
1975	200.9	95.5	22.0	3.5	1396.1	1717.9	852.1	4329.7	0.0	5181.8	943.1	1392.0	0.6	7517.5	9235.4
1976	492.9	113.5	33.9	3.7	1621.0	2264.9	1650.2	6304.2	0.0	7954.4	1176.7	3200.2	2.7	12334.0	14599.0
1977	387.8	121.6	23.3	1.6	1189.6	1723.9	2823.7	8270.3	0.3	11094.4	1944.5	2991.7	1.8	16032.4	17756.2
1978	600.7	149.1	37.6	0.9	1369.2	2157.5	1917.8	10693.1	0.0	12610.9	2003.5	2205.6	1.2	16821.3	18978.8
1979	593.5	173.6	51.9	7.7	1375.1	2201.8	6095.0	11111.8	0.0	17206.9	2145.9	1048.7	0.1	20401.5	22603.3
1980	536.7	122.5	65.1	6.3	1958.4	2469.0	6830.8	10067.5	1.4	16899.7	2455.0	2692.3	0.0	22047.0	24736.0
1981	373.5	117.6	40.3	5.8	1396.0	1933.2	4157.5	7233.7	0.0	11391.2	1926.8	2028.5	0.0	15346.5	17279.7
1982	773.5	439.0	74.7	14.5	39.5	1341.2	5621.2	12924.0	0.2	18545.4	2374.3	5313.7	4.0	26237.3	27578.5
1983	965.4	394.4	65.1	11.1	44.5	1480.4	12022.0	12608.7	0.0	24630.7	3239.6	11336.7	1.3	39208.3	40688.7
1984	440.0	295.4	34.3	8.3	23.6	801.6	8964.2	13311.6	0.3	22276.1	2245.5	8308.7	13.3	32843.5	33645.2
1985	421.1	382.5	36.2	25.5	58.4	923.8	5885.6	9435.8	0.8	15322.2	3301.1	8754.8	117.8	27496.0	28419.8
1986	402.3	485.5	30.0	12.5	55.2	985.5	9090.5	16213.3	0.9	25304.8	3138.1	10486.8	100.0	39029.7	40455.2
1987	532.3	477.4	27.3	20.8	36.6	1094.5	13721.2	13546.3	3.3	27270.8	4461.3	6891.4	50.6	38674.1	39768.6
1988	444.2	278.0	41.5	10.9	129.1	903.7	11366.2	10649.4	1.8	22017.4	4293.2	5669.2	147.0	32126.7	33030.4
1989	470.7	126.4	9.0	17.0	20.7	644.6	8236.8	4794.0	0.0	13030.9	3666.4	4850.5	126.8	21674.6	22319.2
1990	470.0	114.0	9.1	22.1	53.3	668.3	10079.7	16923.4	0.0	27003.1	3287.8	5982.0	141.6	36414.5	37082.8

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

Table 7. Weight (lb x 1000) of "other" finfish species landed commercially from Texas bay systems, 1972-1990.

Species	Year												
	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
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
Atlantic spadefish	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
Florida pompano	3.9	1.8	7.8	5.1	2.4	0.4	0.5	2.1	0.4	0.2	0.2	5.1	2.0
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
Kingfish, unclassified	15.7	19.3	7.7	19.2	33.0	6.6	4.8	7.9	6.2	2.7	47.9	8.7	2.2
Mackerel, Spanish	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Red drum	1370.0	1515.3	1781.0	2026.1	1950.6	899.8	853.5	676.9	1106.4	604.4	0.0	0.0	0.0
Seatrout, sand	19.5	5.8	1.0	9.4	43.8	6.5	6.4	9.8	3.5	16.2	3.6	1.2	3.6
Seatrout, spotted	1237.5	1437.7	1711.3	1563.8	1564.5	1235.0	1118.6	899.3	928.3	617.2	0.0	0.0	0.0
Shark, unclassified	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
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
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
Total	2840.3	3268.2	3762.6	3958.7	3943.4	2423.7	2185.7	1778.1	2179.6	1278.8	195.9	185.7	105.8

Species	Year									
	1985	1986	1987	1988	1989	1990				
Alligator gar	0.0	0.0	3.0	6.8	4.6	43.3				
Atlantic croaker	35.8	36.6	41.7	14.1	6.6	0.5				
Atlantic cutlassfish	0.0	0.0	3.9	0.0	0.0	7.7				
Atlantic moonfish	0.1	0.1	0.0	0.0	0.0	0.0				
Atlantic spadefish	0.0	0.4	0.0	0.0	0.0	0.0				
Bluefish	0.0	0.0	0.0	0.1	0.0	0.0				
Eels, cusk	0.0	0.0	0.0	0.0	0.0	0.4				
Florida pompano	2.7	13.5	2.4	3.5	0.3	0.1				
Gafftopsail catfish	27.2	17.5	7.6	8.0	1.2	7.2				
Greater amberjack	0.0	0.0	0.0	0.4	1.1	0.0				
Gulf butterfish	0.0	0.1	0.0	0.0	0.0	0.0				
Kingfish, unclassified	6.2	4.0	3.8	2.3	8.6	14.9				
Kingfish, Southern	0.0	0.0	0.0	0.1	0.0	0.0				
Mackerel, Spanish	1.1	0.0	0.0	0.1	0.0	0.0				
Seatrout, sand	2.6	4.6	1.2	0.5	0.2	0.8				
Seatrout, silver	0.0	0.0	0.0	0.0	0.0	0.0				
Shark, blacktip	0.0	0.0	0.0	0.1	0.0	0.0				
Shark, unclassified	0.6	0.1	1.7	5.8	0.4	0.0				
Stingrays	0.0	0.0	0.0	0.0	0.0	0.0				
Tuna, unclassified	0.0	0.0	0.0	1.0	0.2	0.0				
Unclassified food	48.3	32.5	15.0	32.5	12.8	10.5				
Unclassified scrap	250.9	103.2	63.1	207.4	40.0	29.9				
Total	375.4	212.7	143.4	282.7	76.1	115.4				

Table 8. Ex-vessel value (\$ x 1000) of "other" finfish species landed commercially from Texas bay systems, 1972-1990.

Species	Year												
	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Atlantic croaker	2.2	6.7	5.5	7.8	10.1	3.3	2.2	2.7	1.8	0.5	10.6	4.2	0.5
Atlantic spade fish	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
Florida pompano	1.7	0.8	3.5	2.5	1.2	0.2	0.5	2.6	0.6	0.3	0.4	2.4	1.0
Gafftopsail catfish	2.2	6.9	5.7	8.6	10.7	9.7	12.2	8.6	10.3	1.6	4.2	7.8	5.3
Kingfish, unclassified	1.5	2.0	0.8	2.7	5.1	1.2	0.8	1.8	1.1	0.7	10.6	2.1	0.6
Mackerel, Spanish	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Red drum	383.0	485.7	569.0	760.6	856.4	483.9	588.3	564.1	1016.5	683.9	0.0	0.0	0.0
Seatrout, sand	2.8	0.7	0.1	1.7	18.2	3.6	3.9	6.6	1.4	2.5	1.2	0.6	2.1
Seatrout, spotted	351.3	464.2	553.6	598.9	704.7	660.2	739.7	770.4	911.1	699.9	0.0	0.0	0.0
Shark, unclassified	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Unclassified food	3.5	3.1	3.6	5.1	5.1	8.5	15.5	14.4	10.1	5.2	7.6	16.5	6.2
Unclassified scrap	3.2	4.8	3.6	8.3	9.5	18.9	6.0	4.0	5.5	1.3	5.0	10.8	7.6
Total	751.4	974.7	1145.5	1396.1	1621.0	1189.6	1369.2	1375.1	1958.4	1396.0	39.5	44.5	23.6

Species	Year										
	1985	1986	1987	1988	1989	1990					
Alligator gar	0.0	0.0	2.6	6.1	3.9	27.7					
Atlantic croaker	6.6	8.4	13.1	3.4	1.8	0.2					
Atlantic cutlassfish	0.0	0.0	0.3	0.0	0.0	6.7					
Atlantic moonfish	0.0	0.0	0.0	0.0	0.0	0.0					
Atlantic spade fish	0.0	0.2	0.0	0.0	0.0	0.0					
Bluefish	0.0	0.0	0.0	0.1	0.0	0.0					
Eels, cusk	0.0	0.0	0.0	0.0	0.0	0.4					
Florida pompano	2.6	12.6	2.4	3.3	0.2	0.1					
Gafftopsail catfish	6.8	4.9	2.1	2.6	0.5	3.0					
Greater amberjack	0.0	0.0	0.0	0.2	1.1	0.0					
Gulf butterfish	0.0	0.0	0.0	0.0	0.0	0.0					
Kingfish, unclassified	1.8	1.5	1.5	0.9	3.3	6.5					
Kingfish, Southern	0.0	0.0	0.0	0.1	0.0	0.0					
Mackerel, Spanish	0.6	0.0	0.0	0.0	0.0	0.0					
Seatrout, sand	0.9	1.6	0.5	0.2	0.1	0.5					
Seatrout, silver	0.0	0.0	0.0	0.0	0.0	0.0					
Shark, blacktip	0.0	0.0	0.0	0.1	0.0	0.0					
Shark, unclassified	0.3	0.0	0.6	2.4	0.1	0.0					
Stingrays	0.0	0.0	0.0	0.0	0.0	0.0					
Tuna, unclassified	0.0	0.0	0.0	0.3	0.3	0.0					
Unclassified food	20.3	10.9	5.5	35.6	4.9	3.8					
Unclassified scrap	18.4	15.1	8.0	73.9	4.6	4.4					
Total	58.4	55.2	36.6	129.1	20.7	53.3					

Table 9. Weight (lb x 1000) of "other" shellfish species landed commercially from Texas bay systems, 1972-1990.

Species	Year												
	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Crab, stone	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Squid, unclassified	2.7	2.9	4.5	2.3	12.1	5.3	4.3	0.3	0.0	0.0	10.1	2.6	10.0
Total	2.7	2.9	4.5	2.3	12.1	5.3	4.3	0.3	0.0	0.0	10.1	2.6	25.0

Species	Year									
	1985	1986	1987	1988	1989	1990				
Atlantic bay scallop	0.1	5.3	0.0	0.0	1.2	0.0				
Crab, stone	135.8	153.7	60.6	267.8	172.9	208.7				
Shrimp, mantis	0.0	0.0	0.1	0.0	0.0	0.0				
Squid, unclassified	17.6	25.7	45.6	25.1	8.1	15.1				
Total	153.5	184.6	106.3	293.0	182.2	223.8				

Table 10. Ex-vessel value (\$ x 1000) of "other" shellfish species landed commercially from Texas bay systems, 1972-1990.

Species	Year													
	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	
Crab, stone	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.6
Squid, unclassified	0.4	0.5	0.9	0.6	2.7	1.8	1.2	0.1	0.0	0.0	4.0	1.3	3.7	
Total	0.4	0.5	0.9	0.6	2.7	1.8	1.2	0.1	0.0	0.0	4.0	1.3	13.3	

Species	Year									
	1985	1986	1987	1988	1989	1990				
Atlantic bay scallop	0.4	2.4	0.0	0.0	0.1	0.0				
Crab, stone	110.2	77.7	31.2	136.1	122.2	133.6				
Shrimp, mantis	0.0	0.0	0.0	0.0	0.0	0.0				
Squid, unclassified	7.3	19.9	19.3	10.8	4.5	8.0				
Total	117.8	100.0	50.6	147.0	126.8	141.6				

Table 11. Weight (lb x 1000) of each species landed commercially from the Gulf of Mexico, 1972-1990.

Year	Finfish										Shellfish					Grand Total	
	Black drum	Flounder	Sheeps-head	Mullet	Cobia	Grouper	Snapper	Other ^a	Shrimp			Blue crab			C Total		
									Brown and Pink	White	Other ^b	Total	Other	Other			Other
1972	45.1	331.9	81.5	18.1	22.7	97.5	1238.0	565.9	2400.8	78052.6	11851.5	13.2	89917.2	14.4	2.7	89934.3	92335.1
1973	64.7	249.2	62.9	52.3	16.0	100.3	781.4	1032.2	2359.1	55661.5	13123.0	1025.0	69809.5	168.0	2.5	69980.0	72339.1
1974	67.4	319.4	73.6	82.7	20.0	85.0	742.9	895.1	2286.1	56672.0	13482.9	1437.2	71592.2	40.0	10.5	71642.6	73928.7
1975	62.5	253.3	46.3	11.9	27.0	71.5	627.4	913.9	2013.9	52316.5	8914.6	746.1	61977.2	39.7	4.2	62021.1	64035.0
1976	92.0	183.4	53.7	21.6	26.8	71.7	495.1	605.7	1550.0	54371.3	9393.8	363.3	64128.4	20.3	8.2	64156.9	65706.9
1977	62.8	100.5	33.9	0.9	20.0	22.0	440.0	321.3	1001.4	67186.4	10028.8	258.7	77473.9	11.2	8.5	77493.6	78494.9
1978	33.2	44.5	10.9	28.3	13.7	39.9	388.3	172.0	730.7	57240.3	13171.5	332.3	70744.1	1.8	11.2	70757.1	71487.8
1979	26.7	25.7	22.6	28.8	7.7	14.3	214.7	252.3	592.8	43265.0	8446.5	719.2	52430.7	0.5	0.6	52431.8	53024.6
1980	11.2	45.1	7.1	4.4	2.2	23.1	231.6	96.0	420.8	50300.6	7422.2	1325.6	59048.3	3.6	0.0	59051.9	59472.7
1981	14.3	28.7	9.2	10.3	13.7	29.8	165.9	95.5	367.4	71337.8	10064.5	1075.7	82477.9	6.4	0.0	82484.3	82851.7
1982	24.5	96.5	18.8	3.2	24.1	64.8	369.6	98.4	699.9	44549.0	10852.3	1210.6	56611.8	2.7	3.3	56617.8	57317.7
1983	12.0	75.0	3.7	20.4	17.2	34.8	261.9	67.6	492.5	40657.1	12336.2	916.9	53910.1	35.1	5.2	53950.4	54442.9
1984	30.9	79.0	11.2	9.8	12.7	33.1	452.2	131.7	760.5	50332.7	17437.6	232.4	68002.9	27.3	20.9	68051.2	68811.7
1985	11.9	73.9	26.1	42.7	6.0	250.1	663.5	331.0	1405.3	48254.1	17100.7	603.2	65958.0	31.0	18.2	66007.2	67412.6
1986	15.6	67.1	18.6	3.8	11.3	224.3	917.7	538.2	1796.5	58226.5	16575.7	1741.7	76544.0	82.9	14.8	76641.7	78438.2
1987	96.4	69.6	32.3	0.7	8.1	345.1	701.5	426.7	1680.5	55067.8	9623.6	5118.1	69809.5	37.3	16.3	69863.1	71543.6
1988	209	65.2	18.0	1.2	6.5	469.8	806.8	1053.2	2629.1	46914.5	9081.5	4667.0	60663.0	86.5	16.2	60765.6	63395.0
1989	4.1	55.3	15.7	25.7	13.0	305.6	589.1	537.7	1546.2	52200.9	7047.0	3807.6	63055.5	588.8	19.8	63664.2	65225.4
1990	12.7	62.4	2.1	0.2	11.6	153.2	549.8	348.7	1140.8	53130.4	8853.5	2376.6	64360.4	32.5	12.0	64404.9	65545.7

^aOther finfish listed in Table 13.

^bOther shrimp include mantis shrimp, rock shrimp, royal red shrimp and seabob.

^cOther shellfish listed in Table 15.

Table 12. Ex-vessel value (\$ x 1000) of each species landed commercially from the Gulf of Mexico, 1972-1990.

Year	Finfish										Shellfish					Grand Total	
	Black drum	Flounder	Sheeps-head	Mullet	Cobia	Grouper	Snapper	Other ^a	Shrimp			Blue crab	Other ^c				
									Brown and Pink	White	Other ^b			Total			
1972	5.5	83.3	8.2	0.9	2.6	10.7	572.0	110.4	793.6	64511.8	11032.0	1.1	75544.9	1.1	0.4	75546.4	76339.9
1973	8.3	72.5	6.7	2.9	2.4	14.5	401.5	262.5	771.4	63149.6	15406.8	272.3	78828.7	22.4	0.3	78851.3	79622.7
1974	8.1	87.3	7.5	4.9	3.0	10.9	415.8	174.2	711.7	50764.3	12685.0	341.7	63791.0	3.5	1.7	63796.2	64508.0
1975	6.9	80.5	5.3	1.0	5.0	11.2	393.4	194.5	697.8	70328.2	11802.7	151.7	82282.6	4.6	0.9	82288.1	82985.9
1976	15.9	66.3	7.4	1.7	5.0	14.4	353.1	162.4	626.2	94231.1	17136.3	67.7	111435.0	2.6	1.9	111439.5	112065.7
1977	12.0	49.2	5.5	0.2	4.7	5.2	420.9	117.6	615.2	97992.2	16356.9	234.9	114583.9	2.2	2.4	114588.5	115203.6
1978	6.8	24.0	1.6	2.5	4.4	9.8	403.5	60.7	513.4	99880.9	28144.5	344.6	128369.9	0.3	3.2	128373.4	128826.7
1979	8.8	16.5	3.8	2.4	2.8	6.7	261.5	143.9	446.5	111142.2	23575.6	381.0	135098.9	0.2	0.2	135099.2	135545.7
1980	3.0	31.2	1.4	0.7	1.1	9.7	351.3	68.2	466.6	107142.1	15570.3	431.8	123144.2	0.8	0.0	123145.0	123611.6
1981	4.6	20.6	1.7	1.3	7.3	14.2	267.8	62.8	380.3	129069.4	24541.3	317.9	153928.6	1.7	0.0	153930.3	154310.6
1982	9.0	82.4	4.9	0.5	13.1	42.7	669.2	26.5	848.4	126037.3	30800.9	504.2	157342.4	0.8	1.0	157344.1	158192.5
1983	5.6	51.2	0.9	3.3	10.2	31.9	383.5	17.5	504.1	113408.4	33074.0	330.7	146813.1	10.6	2.0	146825.7	147329.8
1984	9.3	55.6	2.5	1.4	8.7	27.5	818.3	50.0	973.3	116760.5	40281.4	198.2	157240.1	6.9	9.6	157256.7	158230.0
1985	6.2	62.8	4.8	5.7	4.0	212.7	1242.4	249.5	1788.1	107535.6	38360.8	164.1	146063.5	8.5	9.9	146078.9	147867.0
1986	8.9	54.7	5.6	0.9	7.7	216.5	1711.2	608.5	2614.0	158211.4	44646.9	924.7	203783.0	32.4	6.8	203822.2	206436.2
1987	65.7	61.3	10.5	0.1	5.8	452.8	1313.9	606.0	2516.2	130970.1	24062.9	3644.0	158677.1	12.6	6.8	158696.5	161212.6
1988	122	59.5	6.2	0.2	5.3	660.3	1563.1	1228.8	3644.9	119102.8	23222.4	2544.6	144869.8	32.7	7.4	144909.9	148555.2
1989	3.9	60.7	3.6	4.8	11.6	422.7	1185.6	690.8	2383.7	111524.9	17531.7	2018.2	131074.8	279.9	5.2	131359.8	133797.0
1990	8.2	67.0	0.7	0.2	10.3	199.0	989.1	391.6	1666.1	114682.3	20992.8	1079.7	136754.8	17.4	5.8	136778.0	138444.1

^aOther finfish listed in Table 14.

^bOther shrimp include mantis shrimp, rock shrimp, royal red shrimp and seabob.

^cOther shellfish listed in Table 16.

Table 13. Weight (lb x 1000) of "other" finfish species landed commercially from the Gulf of Mexico, 1972-1990.

Species	Year												
	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Atlantic croaker	22.7	29.9	95.3	32.7	8.9	2.8	10.2	3.7	2.7	2.4	0.4	1.1	1.2
Codfish, unclassified	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
Dolphin	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Florida pompano	1.1	0.2	4.3	1.5	3.3	0.5	0.5	1.5	0.8	0.2	3.6	0.0	4.0
Gafftopsail catfish	6.0	12.5	16.2	20.8	21.4	13.4	27.1	0.4	0.4	2.6	1.4	5.8	4.8
Greater amberjack	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.7
Kingfish, unclassified	92.8	71.2	125.9	150.5	47.1	26.8	19.8	8.8	13.3	13.5	25.2	11.5	14.9
Mackerel, Spanish	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	1.2
Red drum	97.8	162.1	140.5	94.3	78.7	51.0	7.6	13.1	8.1	9.0	0.0	0.0	0.0
Seatrout, sand	0.5	0.6	0.0	5.6	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
Seatrout, spotted	261.9	531.2	284.9	250.5	204.1	111.8	43.5	131.0	49.7	28.6	0.0	0.0	0.0
Shark, unclassified	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.8
Tuna, bluefin	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.3
Tuna, unclassified	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7
Tuna, Yellowfin	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.3
Unclassified food	78.1	86.9	99.1	255.8	179.0	72.0	27.4	31.0	12.1	34.4	67.1	47.6	29.1
Unclassified scrap	4.9	137.6	130.9	102.2	62.0	43.0	36.1	62.6	8.8	4.9	0.7	1.6	2.6
Total	565.9	1032.2	895.1	913.9	605.7	321.3	172.0	252.3	96.0	95.5	98.4	67.6	131.7

Table 13. (Continued).

Species	Year				
	1985	1986	1987	1988	1990
Alligator gar	0.0	0.0	0.0	0.3	0.0
Atlantic croaker	1.9	2.5	5.3	1.5	0.3
Atlantic cutlassfish	0.0	0.0	0.0	0.0	1.6
Atlantic moonfish	0.0	0.0	0.0	0.0	0.0
Atlantic spadefish	0.0	0.1	0.0	0.0	1.4
Blue runner	0.0	0.0	0.0	0.0	2.2
Bluefish	0.0	1.3	10.3	0.4	0.0
Codfish, unclassified	0.0	0.5	0.1	0.0	0.1
Crevalle jack	0.0	0.0	1.7	0.0	0.0
Dolphin	0.2	2.9	1.9	3.1	9.7
Eels, cusk	0.0	0.0	0.0	1.0	0.4
Florida pompano	13.0	1.7	12.6	0.1	0.6
Gafftopsail catfish	18.3	12.3	11.1	2.5	0.1
Great barracuda	0.0	0.0	0.0	0.1	0.2
Greater amberjack	27.9	106.1	96.5	173.1	126.2
Gulf butterfish	4.9	0.1	2.2	0.0	0.0
Herring, unclassified	0.0	0.0	0.0	0.0	0.3
Kingfish, unclassified	20.5	14.9	29.6	29.3	58.1
Kingfish, Southern	0.0	0.0	0.0	0.7	0.5
Meckel, king	2.5	1.5	2.5	6.2	0.3
Mackerel, Spanish	0.2	0.2	0.8	0.1	0.0
Pinfish	0.0	0.0	0.0	0.0	0.1
Porgy, unclassified	0.0	0.0	0.0	0.0	0.3
Seatrou, sand	2.3	0.6	2.6	0.0	0.7
Shark, blacktip	0.0	0.7	4.9	1.7	1.3
Shark, shortfin mako	0.5	6.9	4.1	1.0	0.5
Shark, unclassified	63.4	105.3	31.3	33.1	26.2
Swordfish	31.9	85.5	46.4	22.3	12.6
Tilefish	41.8	7.3	35.6	216.9	143.9
Triggerfish, gray	0.0	0.3	0.2	0.7	4.7
Tuna, blackfin	0.0	0.3	0.0	0.5	0.5
Tuna, bluefin	2.7	1.1	1.4	0.0	0.0
Tuna, little	0.0	0.0	0.2	0.0	1.0
Tuna, unclassified	22.8	79.0	14.9	37.0	34.2
Tuna, Atlantic bonito	0.0	0.0	0.1	0.0	0.1
Tuna, Yellowfin	1.5	100.6	79.8	474.2	96.8
Unclassified food	67.0	3.8	20.6	31.5	7.5
Unclassified scrap	7.5	2.6	9.1	1.0	0.1
Wahoo	0.0	0.1	1.0	16.8	5.5
Total	331.0	538.2	426.7	1053.2	537.7
					348.7

Table 14. Ex-vessel value (\$ x 1000) of "other" finfish species landed commercially from the Gulf of Mexico, 1972-1990.

Species	Year												
	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Atlantic croaker	1.2	2.2	5.8	3.4	1.5	0.6	1.5	0.6	0.2	0.5	0.1	0.2	0.5
Codfish, unclassified	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Dolphin	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Florida pompano	0.4	0.1	2.4	0.7	2.5	0.3	0.6	2.3	1.1	0.3	3.2	0.1	5.6
Gafftopsail catfish	0.5	1.6	1.7	2.9	3.0	4.3	12.7	0.1	0.1	2.1	0.5	1.9	2.0
Greater amberjack	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.3
Kingfish, unclassified	8.4	7.5	12.7	14.9	6.4	4.2	2.7	1.2	2.3	2.8	5.1	2.8	3.4
Mackerel, Spanish	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.9
Mackerel, Atlantic	25.8	53.6	45.0	34.7	31.6	27.6	4.4	10.2	8.3	11.6	0.0	0.0	0.0
Red drum	0.1	0.1	0.0	2.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
Seatrout, sand	68.7	181.7	91.5	102.2	91.9	63.0	29.4	112.4	50.4	38.0	0.0	0.0	0.0
Seatrout, spotted	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
Shark, unclassified	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.4
Tuna, bluefin	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
Tuna, unclassified	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
Tuna, Yellowfin	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.5
Unclassified food	5.0	7.5	8.7	27.1	19.5	12.8	5.8	9.3	5.2	7.2	17.6	12.4	11.5
Unclassified scrap	0.2	8.1	6.4	6.6	5.5	4.9	3.7	7.5	0.7	0.4	0.1	0.2	0.2
Total	110.4	262.5	174.2	194.5	162.4	117.6	60.7	143.9	68.2	62.8	26.5	17.5	50.0

Table 14. (Continued).

Species	Year						
	1985	1986	1987	1988	1989	1990	
Alligator gar	0.0	0.0	0.0	0.4	0.0	0.0	0.0
Atlantic croaker	0.4	0.8	1.9	0.5	0.1	0.1	0.0
Atlantic cutlassfish	0.0	0.0	0.0	0.0	1.1	0.0	0.0
Atlantic moonfish	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Atlantic spadefish	0.0	0.0	0.0	0.0	0.8	0.0	0.0
Blue runner	0.0	0.0	0.0	0.0	0.8	0.0	0.0
Bluefish	0.0	0.7	4.4	0.1	0.0	0.1	0.0
Codfish, unclassified	0.0	0.2	0.1	0.0	0.0	0.1	0.1
Crevalle jack	0.0	0.0	0.4	0.0	0.0	0.0	0.0
Dolphin	0.2	3.0	2.2	2.9	10.2	17.6	17.6
Eels, cusk	0.0	0.0	0.0	0.0	0.3	0.2	0.2
Florida pompano	12.3	2.4	15.6	0.1	1.1	0.3	0.3
Gafftopsail catfish	7.8	5.5	2.5	0.8	0.1	0.2	0.2
Great barracuda	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Greater amberjack	19.2	58.6	58.6	115.7	108.6	52.4	52.4
Gulf butterfish	2.6	0.0	1.1	0.0	0.0	0.0	0.0
Herring, unclassified	0.0	0.0	0.0	0.0	0.0	0.1	0.1
Kingfish, unclassified	6.5	5.2	10.1	10.4	21.0	18.8	18.8
Kingfish, Southern	0.0	0.0	0.0	0.2	0.1	0.0	0.0
Mackerel, king	2.1	1.1	1.5	5.4	0.4	1.3	1.3
Mackerel, Spanish	0.1	0.2	0.3	0.0	0.0	0.2	0.2
Pinfish	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Porgy, unclassified	0.0	0.0	0.0	0.0	0.2	0.7	0.7
Seatrout, sand	2.1	0.3	1.9	0.0	0.3	0.0	0.0
Shark, blacktip	0.0	0.3	6.9	0.8	0.9	0.3	0.3
Shark, shortfin mako	0.4	6.3	10.1	0.8	0.5	0.2	0.2
Shark, unclassified	27.8	56.1	13.2	14.7	9.1	28.3	28.3
Swordfish	93.3	251.3	198.3	65.4	42.4	25.9	25.9
Tilefish	39.5	6.1	30.6	230.8	178.6	58.5	58.5
Triggerfish, gray	0.0	0.1	0.1	0.4	2.7	4.4	4.4
Tuna, blackfin	0.0	0.1	0.0	0.2	0.8	6.2	6.2
Tuna, bluefin	0.3	4.0	10.6	0.0	0.0	0.0	0.0
Tuna, little	0.0	0.0	0.1	0.0	1.4	0.0	0.0
Tuna, unclassified	12.8	102.8	18.2	67.6	45.9	19.7	19.7
Tuna, Atlantic bonito	0.0	0.0	0.1	0.0	0.1	0.0	0.0
Tuna, Yellowfin	2.0	100.6	209.2	684.4	249.6	147.4	147.4
Unclassified food	18.6	2.0	5.1	13.4	8.6	5.2	5.2
Unclassified scrap	1.4	0.5	1.5	0.2	0.0	0.0	0.0
Wahoo	0.0	0.1	1.3	13.0	4.8	3.6	3.6
Total	249.5	608.5	606.0	1228.8	690.8	391.6	391.6

Table 15. Weight (lb x 1000) of "other" shellfish species landed commercially from the Gulf of Mexico, 1972-1990.

Species	Year												
	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Crab, stone	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Squid, unclassified	2.7	2.5	10.5	4.2	8.2	8.5	11.2	0.6	0.0	0.0	3.3	5.2	17.0
Total	2.7	2.5	10.5	4.2	8.2	8.5	11.2	0.6	0.0	0.0	3.3	5.2	20.9

Species	Year					
	1985	1986	1987	1988	1989	1990
Crab, stone	3.2	0.0	1.5	3.6	1.7	1.7
Lobster, shovelnose	0.0	0.0	0.0	0.1	0.0	0.0
Lobster, spiny	0.0	0.0	0.0	0.0	0.0	0.2
Squid, unclassified	15.1	14.8	14.7	12.5	18.1	10.1
Total	18.2	14.8	16.3	16.2	19.8	12.0

Table 16. Ex-vessel value (\$ x 1000) of "other" shellfish species landed commercially from the Gulf of Mexico, 1972-1990.

Species	Year												
	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Crab, stone	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Squid, unclassified	0.4	0.3	1.7	0.9	1.9	2.4	3.2	0.2	0.0	0.0	1.0	2.0	6.0
Total	0.4	0.3	1.7	0.9	1.9	2.4	3.2	0.2	0.0	0.0	1.0	2.0	9.6

Species	Year				
	1985	1986	1987	1988	1989
Crab, stone	3.8	0.0	0.7	2.3	1.1
Lobster, shovelnose	0.0	0.0	0.0	0.3	0.1
Lobster, spiny	0.0	0.0	0.0	0.0	0.8
Squid, unclassified	6.1	6.8	6.1	4.9	4.0
Total	9.9	6.8	6.8	7.4	5.2

Table 17. Ex-vessel price (\$/lb) of finfish, 1972-1990.

Year	Black drum		Flounder		Sheepshead		Snapper		Other	
	Range	Mean	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	0.03-0.50	0.24
1973	0.07-0.24	0.13	0.18-0.44	0.31	0.04-0.17	0.09	0.43-0.65	0.51	0.03-0.50	0.27
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	0.03-0.62	0.27
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	0.03-0.79	0.32
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	0.03-1.05	0.38
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	0.05-0.95	0.47
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	0.05-1.95	0.59
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	0.05-1.71	0.71
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	0.05-1.70	0.85
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	0.05-1.95	0.98
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	0.05-1.95	0.26
1983	0.20-0.85	0.65	0.45-1.40	0.94	0.10-0.80	0.24	0.90-1.95	1.66	0.05-1.90	0.28
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	0.06-1.96	0.33
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	0.05-5.00	0.44
1986	0.10-1.20	0.70	0.38-1.44	0.96	0.15-0.55	0.27	0.75-2.43	1.86	0.05-3.80	0.82
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	0.06-7.85	0.98
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	0.05-3.85	1.08
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	0.10-17.00	1.09
1990	0.21-1.50	0.80	0.70-2.46	1.26	0.12-0.65	0.34	0.33-2.98	1.80	0.01-4.90	0.93

Table 18. Ex-vessel price (\$/lb) of shellfish, 1972-1990.

Year	Brown and Pink		Shrimp		Other		Blue Crab		Eastern Oyster	
	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	
1973	0.29-1.45	1.08	0.39-1.37	1.00	0.24-1.11	0.27	0.08-0.25	0.12	0.61-1.37	
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	
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	
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	
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	
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	
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	
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	1.03-3.51	
1981	0.44-3.01	1.70	0.60-3.39	1.97	0.18-0.36	0.30	0.21-0.50	0.28	0.21-2.00	
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	1.18-2.05	
1983	0.86-3.68	2.47	0.65-4.00	2.24	0.25-0.59	0.36	0.20-0.60	0.37	1.34-2.17	
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	1.39-2.06	
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	1.03-2.52	
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	1.66-4.51	
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	1.40-3.70	
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	1.71-5.00	
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	1.14-4.46	
1990	0.33-3.10	1.91	0.45-3.80	2.06	0.23-0.79	0.45	0.20-1.00	0.38		

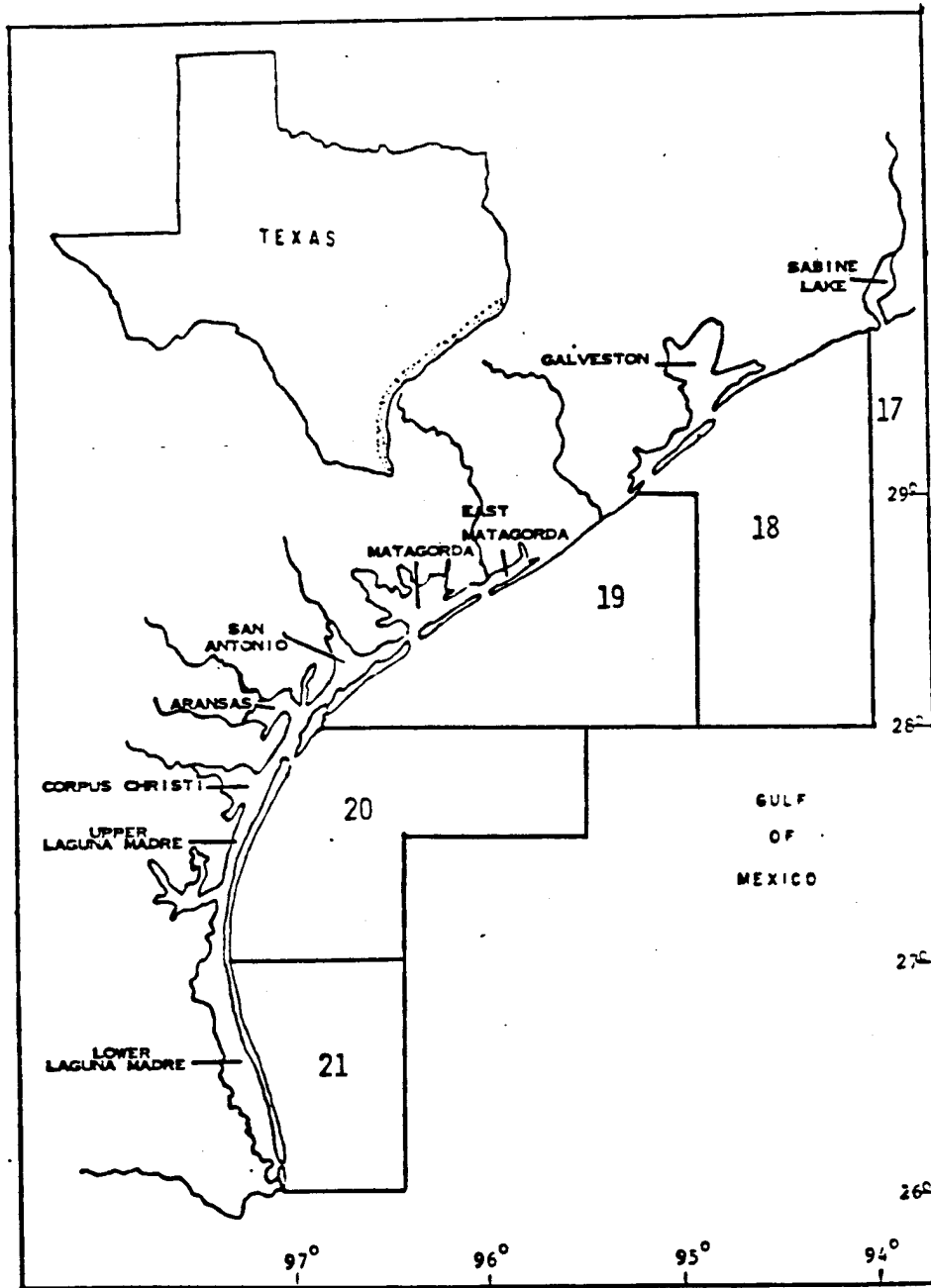


Figure 1. Texas bay systems and Gulf of Mexico grid zones.

Grand Total

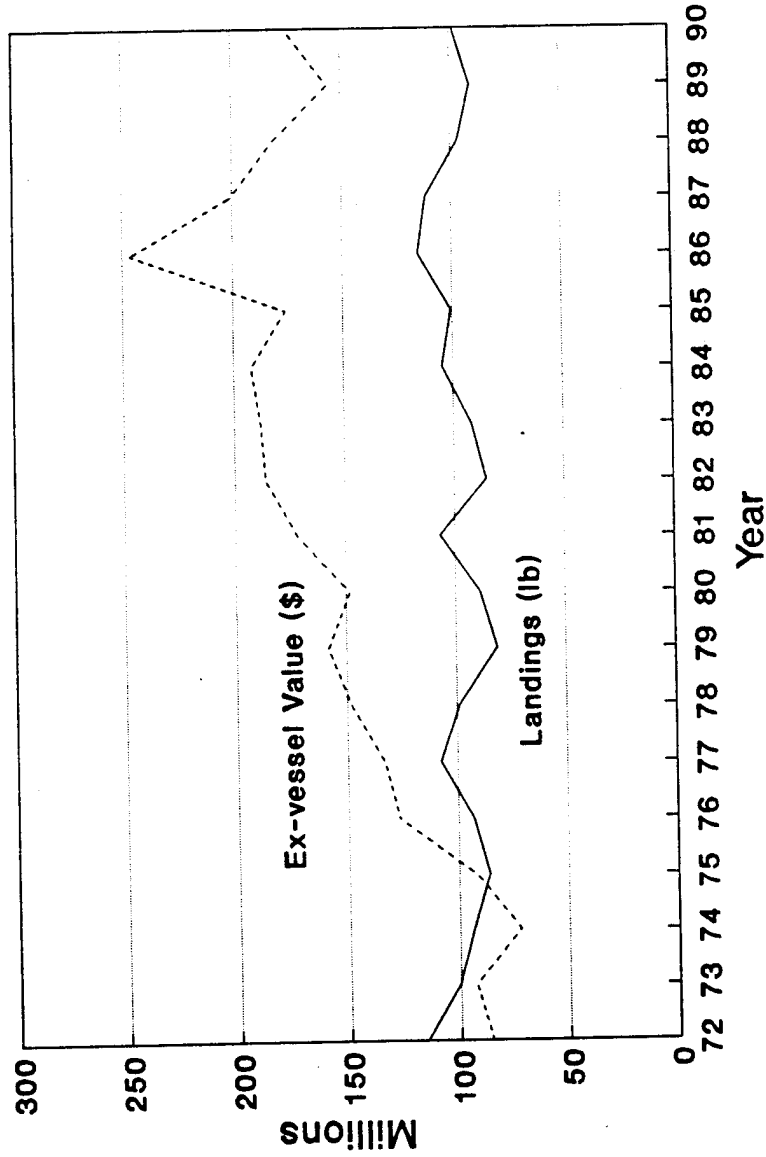


Figure 3. Texas commercial landings (lb) and ex-vessel value (\$) for all seafood from bays and the Gulf (grand total), by year for 1972-1990.

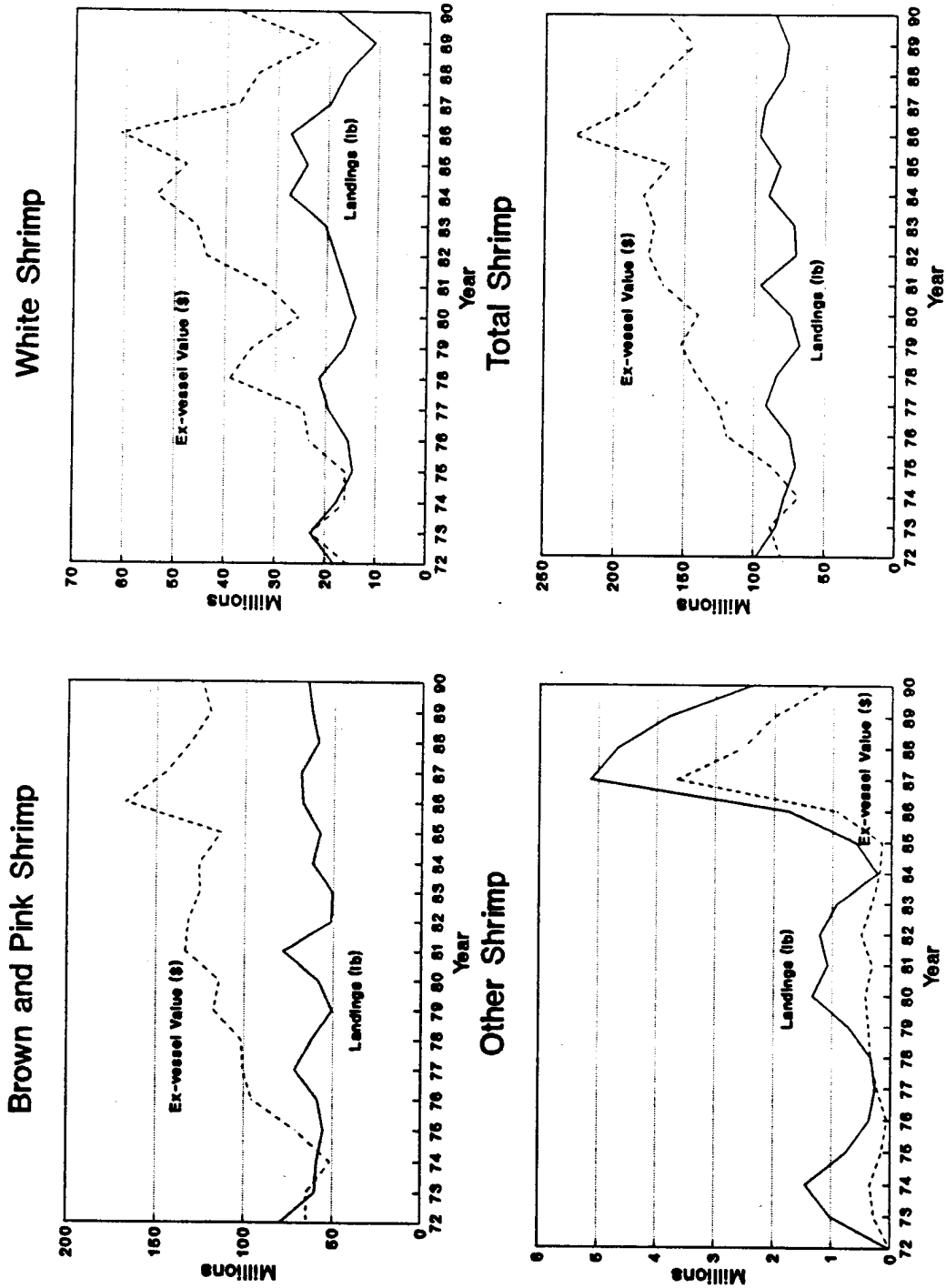
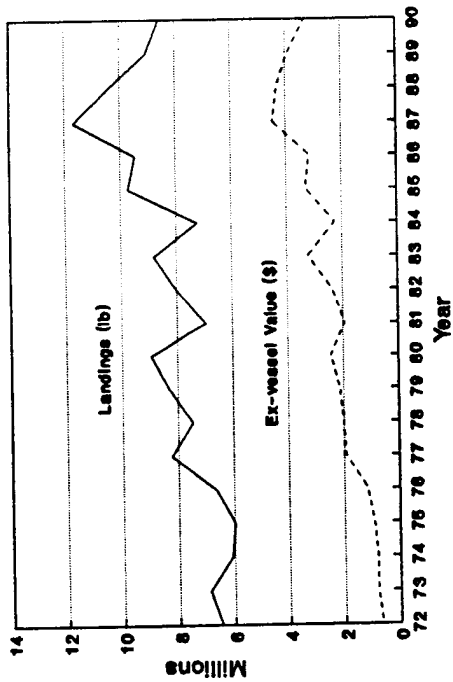
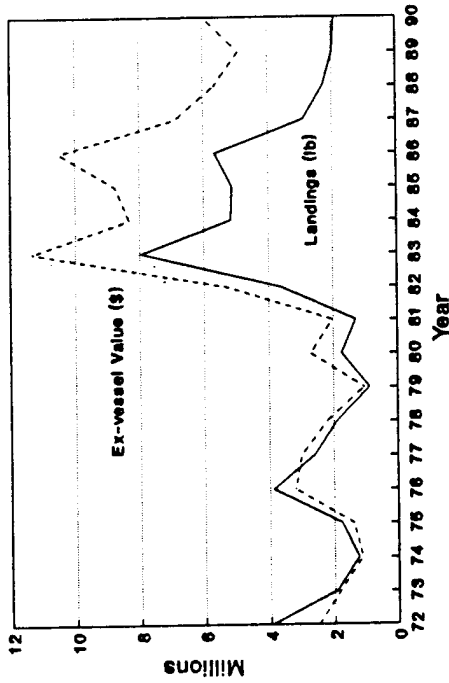


Figure 4. Texas commercial landings (lb) and ex-vessel value (\$) of brown and pink shrimp, white shrimp, other shrimp and total shrimp landed for 1972-1990.

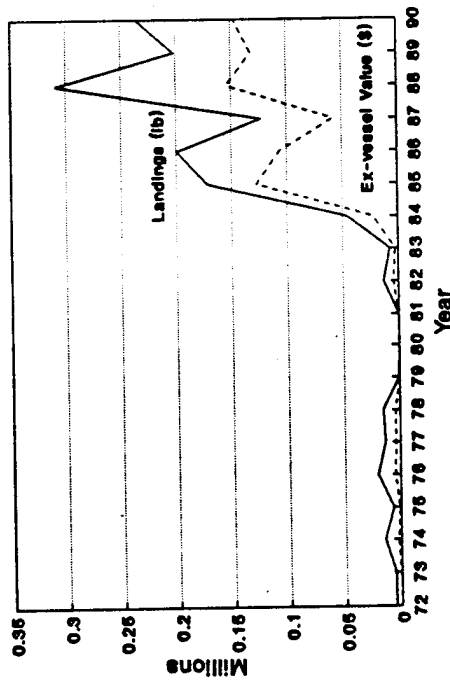
Blue Crab



Eastern Oyster



Other Shellfish



Total Shellfish

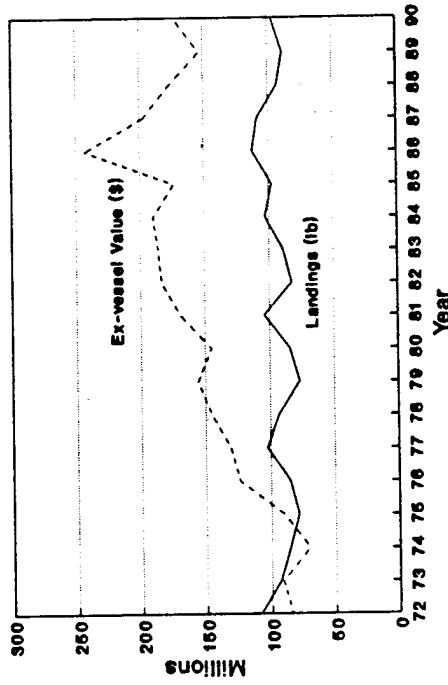


Figure 5. Texas commercial landings (lb) and ex-vessel value (\$) of blue crab, Eastern oyster, other shellfish and total shellfish landed for 1972-1990.

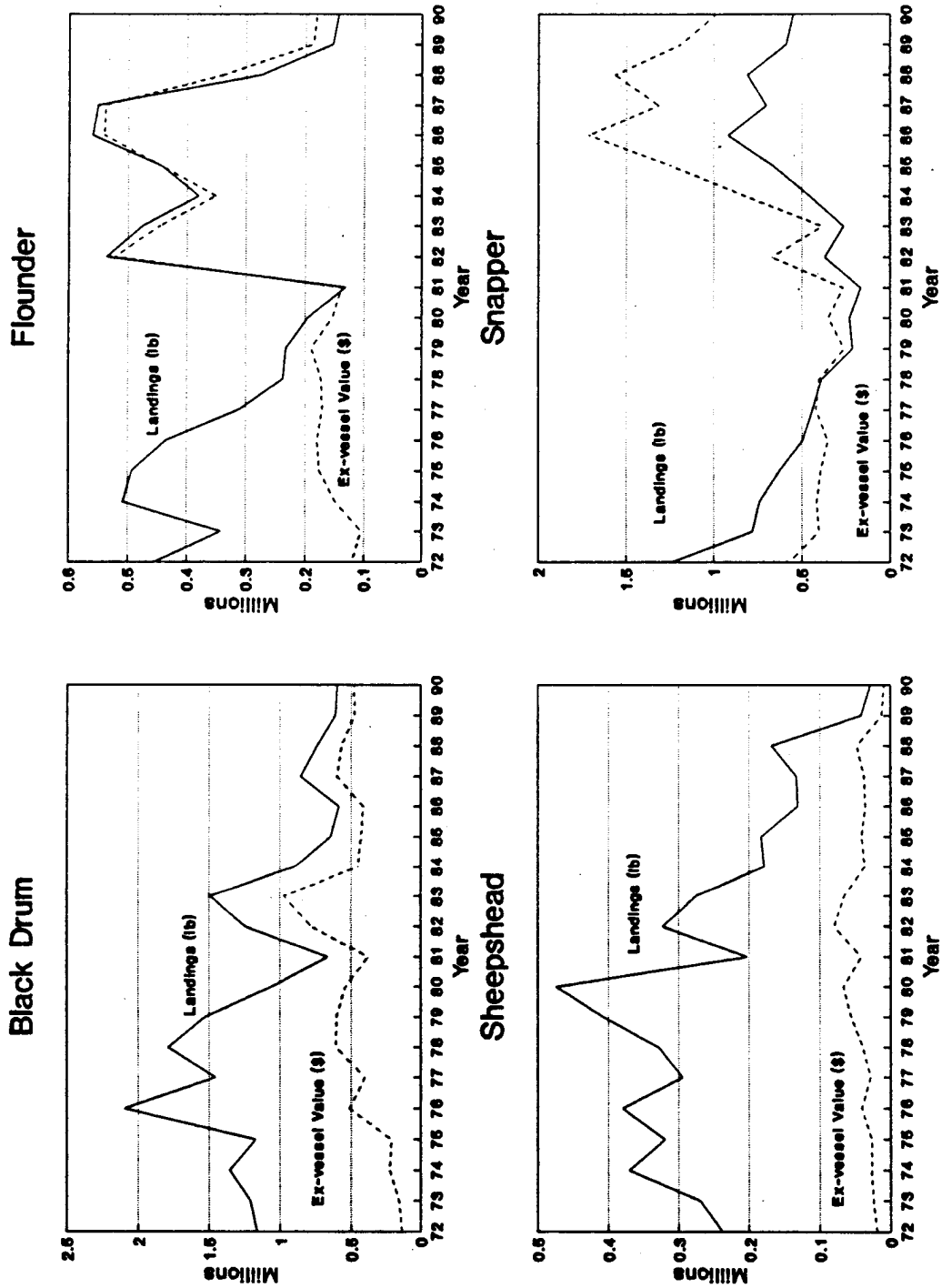


Figure 6. Texas commercial landings (lb) and ex-vessel value (\$) of black drum, flounder, sheephead, and snapper (all species) landed for 1972-1990.

Total Finfish

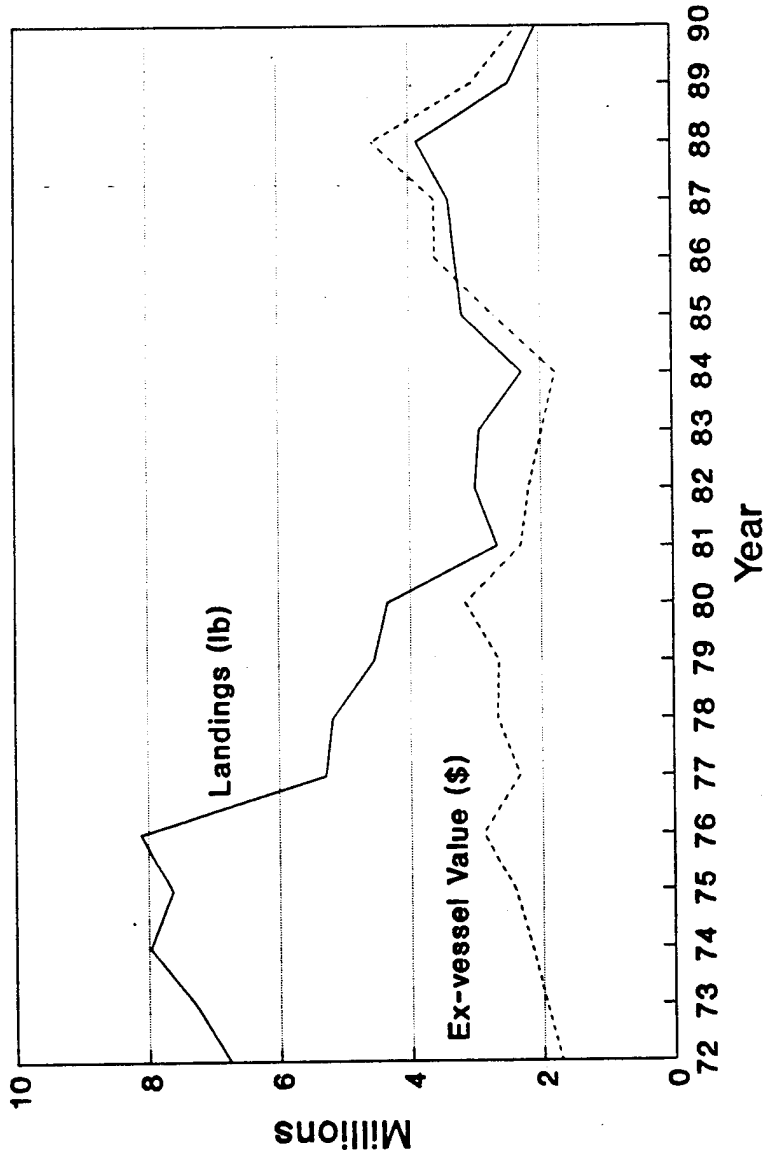


Figure 7. Texas commercial landings (lb) and ex-vessel value (\$) of total finfish for 1972-1990.

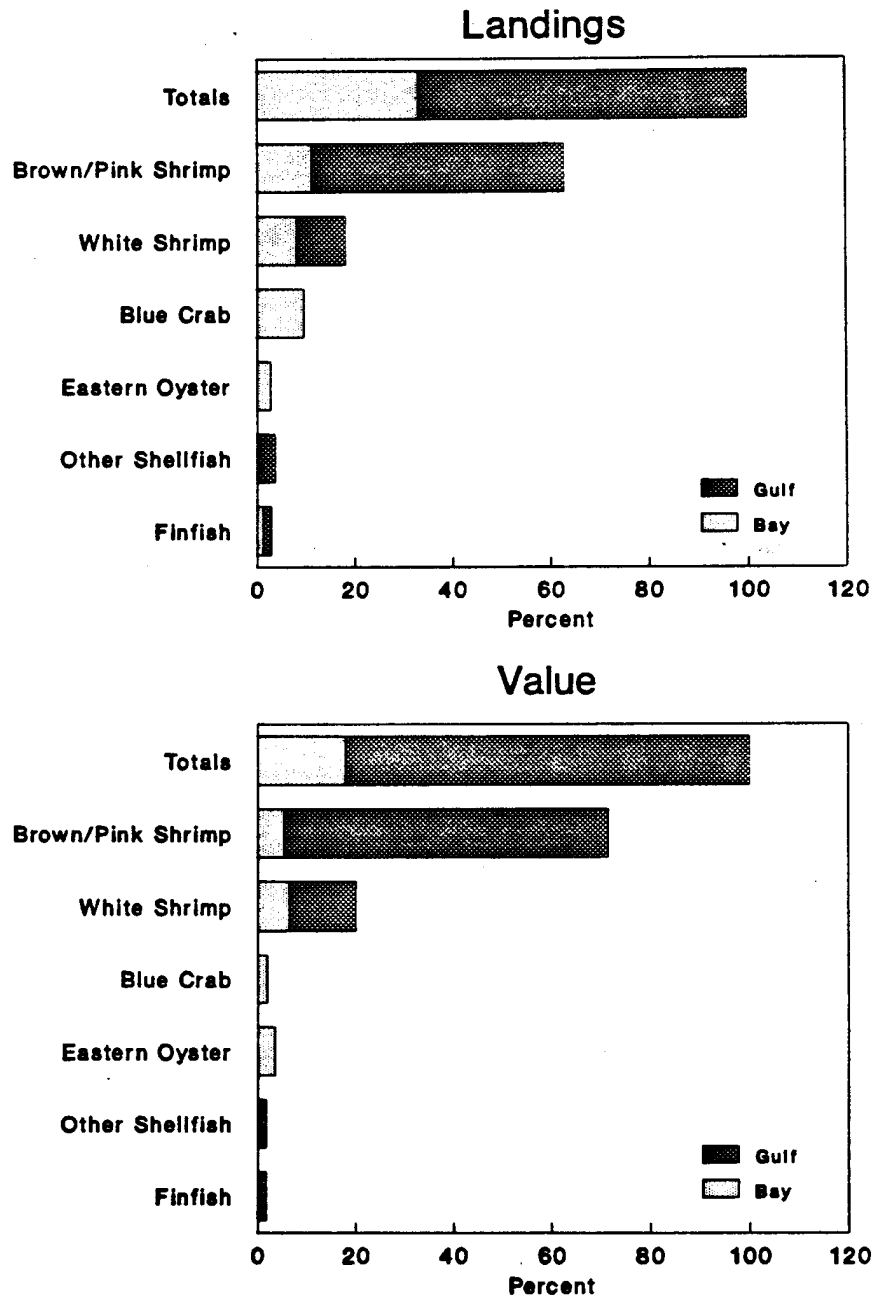


Figure 8. Percent of total coastwide bay and Gulf landings and ex-vessel value contributed by major commercial species groups for the interval 1986-1990.

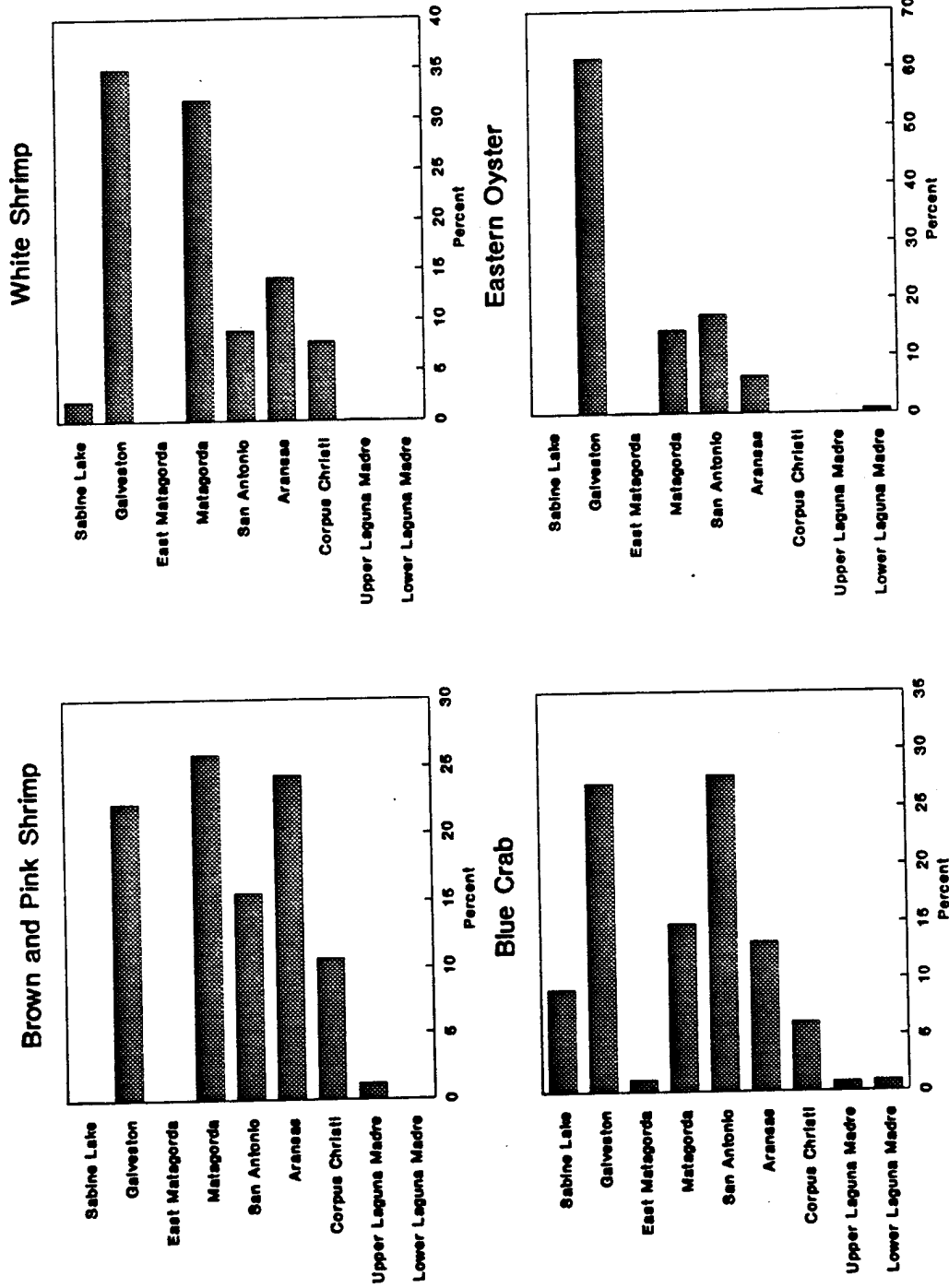


Figure 9. Percent of total landings of brown and pink shrimp, white shrimp, blue crabs, and Eastern oysters contributed by each major bay system for the interval 1986-1990.

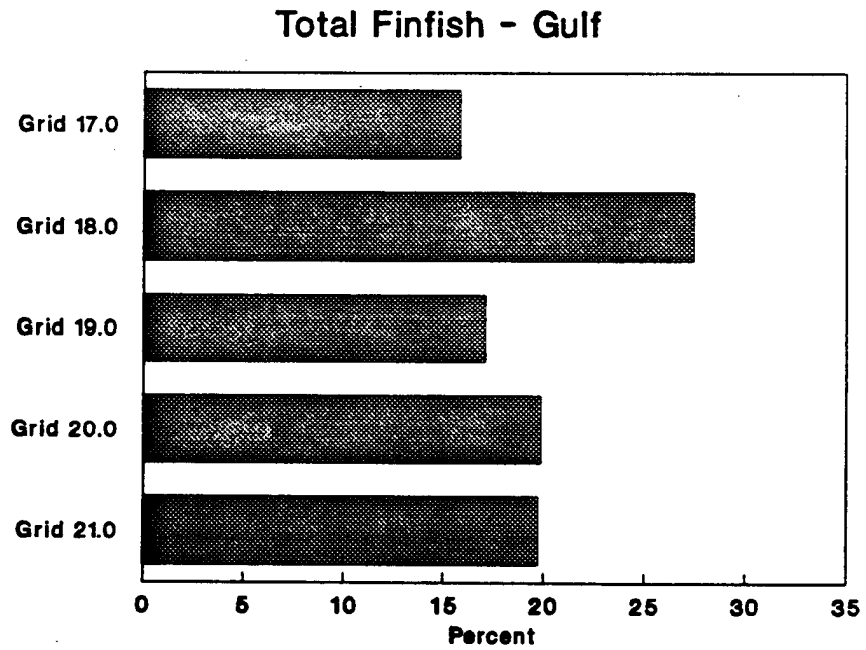
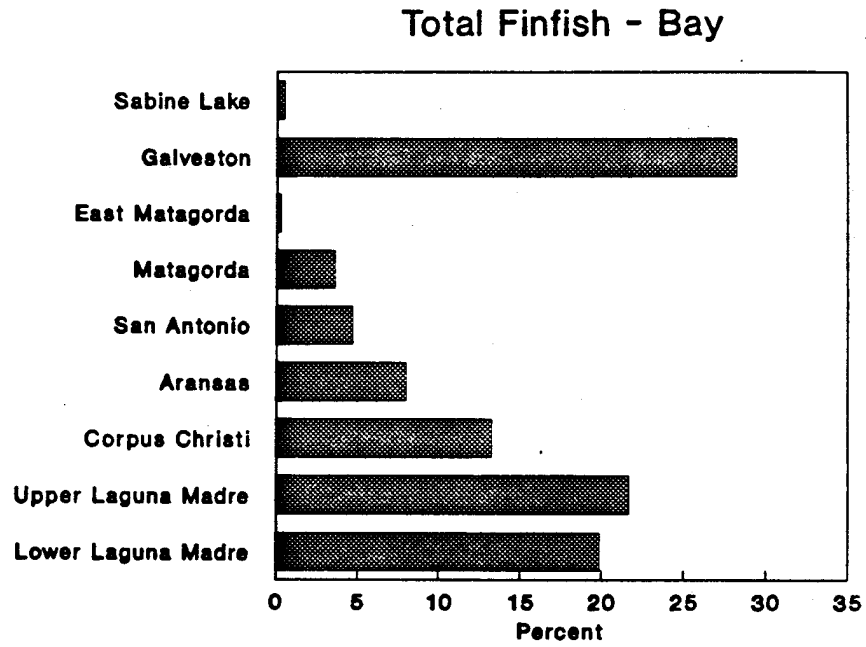


Figure 10. Percent of total finfish landings from bays contributed by each bay system and percent of total finfish landings from the Gulf contributed by each grid zone for the interval 1986-1990.

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).

Species	Conversion factors
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).

Species	Conversion factors
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 1972-1990.

Table B.1. Weight (lb) of each species landed commercially from the Sabine Lake system, 1972-1990.

Year	Finfish										Shellfish					Grand Total
	Black drum	Flounder	Sheeps-head	Mullet	Other	Total	Shrimp			Blue Crab	Eastern Oyster	Other	Total			
							Brown and Pink	White	Other							
1972	0	0	0	0	0	0	0	9331	0	9331	1288708	0	0	0	1298039	1298039
1973	1400	0	0	0	4682	6082	0	0	0	0	1358213	0	0	0	1358213	1364295
1974	0	0	0	0	0	0	0	0	0	0	560812	0	0	0	560812	560812
1975	647	530	804	0	2368	4349	0	0	0	0	620926	0	0	0	620926	625275
1976	0	219	55	0	4055	4329	0	8245	0	8245	514202	0	0	0	522447	526776
1977	980	687	139	0	1010	2816	2336	4212	0	6548	226100	0	0	0	232648	235464
1978	0	330	59	0	114	503	0	2763	0	2763	624171	0	0	0	626934	627437
1979	556	51	764	56	600	2027	0	0	0	0	163301	0	0	0	163301	165328
1980	48	78	627	60	2220	3033	1099	49900	4668	55667	70089	0	0	0	125756	128789
1981	219	119	76	12	974	1400	12830	43248	0	56078	72624	0	0	0	128702	130102
1982	0	0	0	0	0	0	0	170835	488	171323	113443	0	0	0	284766	284766
1983	379	567	430	0	1341	2717	0	740	0	740	172874	0	0	0	173614	176331
1984	244	176	1588	0	0	2008	12384	10451	0	22835	555304	0	0	0	578139	580147
1985	486	2283	1592	0	983	5344	0	21169	0	21169	673758	0	0	0	694927	700271
1986	154	2056	1874	0	1172	5256	539	7925	0	8464	1345792	70	763	1355089	1360345	
1987	153	2527	2349	0	2997	8026	203	173190	0	173393	626999	928	130	801450	809476	
1988	132	1676	2424	0	2055	6287	13101	348217	676	361994	443171	0	65	805230	811517	
1989	80	535	2465	0	2284	5364	0	182492	0	182492	1224093	0	0	1406585	1411949	
1990	318	412	1428	0	2495	4653	3779	127096	0	130875	742535	0	588	873998	878651	

Table B.2. Ex-vessel value (\$) of each species landed commercially from the Sabine Lake system, 1972-1990.

Year	Finfish										Shellfish						Grand Total
	Black drum	Flounder	Sheeps-head	Mullet	Shrimp			Blue Crab	Eastern Oyster	Other	Total	Blue Crab	Eastern Oyster	Other	Total		
					Brown and Pink	White	Other										
1972	0	0	0	0	0	0	0	4697	0	4697	127369	0	0	0	132066		
1973	210	0	0	0	1800	2010	0	0	0	158433	0	0	0	0	158433		
1974	0	0	0	0	0	0	0	0	0	77090	0	0	0	0	77090		
1975	114	195	117	0	545	971	0	0	0	96740	0	0	0	0	96740		
1976	0	75	11	0	1383	1466	0	9317	0	89127	0	0	0	0	98444		
1977	281	424	34	0	569	1308	1098	2529	0	3627	57904	0	0	0	61530		
1978	0	165	12	0	23	200	0	4528	0	4528	163288	0	0	0	167817		
1979	199	24	168	13	240	645	0	0	0	49328	0	0	0	0	49328		
1980	24	43	166	28	1526	1787	1113	37518	1354	39985	24043	0	0	0	64028		
1981	79	59	15	6	451	610	8600	38279	0	46879	29575	0	0	0	76454		
1982	0	0	0	0	0	0	0	197418	220	197637	43907	0	0	0	241544		
1983	196	411	94	0	275	976	0	1029	0	1029	74654	0	0	0	75682		
1984	110	161	497	0	0	768	8762	12339	0	21101	204298	0	0	0	225399		
1985	462	2025	602	0	375	3464	0	10747	0	10747	231322	0	0	0	242068		
1986	104	1958	777	0	429	3268	302	3931	0	4233	456436	72	305	0	461046		
1987	61	2523	990	0	1812	5386	374	151207	0	151580	236764	1908	59	390310	395696		
1988	124	1668	1016	0	1900	4707	8084	279949	309	288342	183957	0	33	472332	477038		
1989	44	501	997	0	2731	4273	0	109314	0	109314	520764	0	0	630078	634350		
1990	166	540	625	0	2192	3523	1904	101719	0	103623	201430	0	294	305347	308869		

Table B.3. Weight (lb) of each species landed commercially from the Galveston Bay system, 1972-1990.

Year	Finfish										Shellfish										Grand Total					
	Black drum					Sheeps-head					Shrimp					Blue Crab						Eastern Oyster				
	Flounder	Head	Mullet	Other	Total	Brown and Pink	White	Other	Total	Crab	Oyster	Other	Total	Crab	Oyster	Other	Total									
1972	72641	21057	27801	59542	312711	493752	1348320	2701181	0	4049501	1870124	3242557	2416	9164598	9658350											
1973	92961	9978	52817	69115	469620	694491	1301554	4154559	0	5456113	2046962	1703259	1868	9208202	9902693											
1974	27653	20031	26439	24462	478907	579492	1430520	1498466	153	2929139	1982882	836712	3779	5752512	6332004											
1975	46444	20966	31950	3042	511337	613739	621237	3087871	0	3709108	1863452	1236762	2017	6811339	7425078											
1976	47545	29344	51677	18349	450654	597569	1801925	3335189	0	5137114	1599474	3289887	11306	10037781	10635350											
1977	102175	14382	21117	3943	313633	455150	2256576	2988766	1600	5246942	1859418	1917532	3335	9027227	9482377											
1978	161887	55173	55504	1946	533184	807694	2066133	3618523	0	5684656	1920886	1076797	3528	8685867	9493561											
1979	73101	46869	72192	46427	263946	502535	1315025	1963252	0	3278277	1953742	43097	162	5275278	5777813											
1980	55999	31477	65844	2251	219843	375414	2317775	3439745	0	5757520	1749057	1004208	0	8510785	8886199											
1981	51936	20637	51376	3985	118039	245973	1991873	2655307	0	4647180	610228	985411	0	6242819	6488792											
1982	72524	197762	125942	118907	188244	703379	1646158	3459392	0	5105550	1216137	3253765	9942	9585394	10288773											
1983	53458	134968	64568	82523	155077	490594	1493414	2773657	0	4267071	1407572	6967064	2277	12643984	13134578											
1984	269046	127753	74948	50296	63748	585791	2558708	3604281	0	6162989	1396583	2360205	8340	9928117	10513908											
1985	114591	152367	50581	130550	179245	627334	1651048	2638555	0	4289603	2167937	3285112	12380	9755032	10362366											
1986	31279	137488	34354	61460	159914	424495	2043085	4108323	1452	6152860	3018610	3541048	47377	12759895	13184390											
1987	50863	222718	35094	27963	106707	443345	3091385	3811662	1441	6904488	2786933	2174865	40565	11906851	12350196											
1988	61297	47299	73893	64553	247983	495025	3454171	5085281	2889	6542341	3118874	1452365	56193	11169773	11664798											
1989	21821	14588	16189	108024	60482	221104	2249442	1806689	0	4056132	2149496	705490	13440	6924558	7145662											
1990	22338	13743	14976	91473	45668	188198	1974182	1788635	0	3762816	1908099	1165654	23324	6859893	7048091											

Table B.4. Ex-vessel value (\$) of each species landed commercially from the Galveston Bay system, 1972-1990.

Year	Finfish					Shellfish					Grand Total				
	Black drum	Flounder	Sheeps-head	Shrimp		Mullet	Other	Total	Shellfish						
				Brown and Pink	White				Blue Crab	Eastern Oyster		Other	Total		
1972	7970	6184	3000	2849	51524	71527	454365	1875965	0	2330330	191653	2094463	335	4616781	4688309
1973	12652	3734	6434	3385	107808	134012	604042	3005149	0	3609192	255094	1587159	280	5451725	5585737
1974	3721	6716	3284	1463	110438	125623	378833	1100700	35	1479568	273301	753289	779	2506937	2632560
1975	8774	8489	4694	627	134391	156976	184639	2075965	0	2260604	287015	957345	472	3505435	3662412
1976	9963	13469	8817	2186	142092	176527	802008	3617944	0	4419953	268422	2704490	2566	7395431	7571958
1977	27995	7996	4870	1039	109241	151140	1934420	2966068	320	4900808	452330	2299610	1106	7653853	7804993
1978	48789	43421	10509	239	241470	344428	778259	4977022	0	5755281	521282	1222870	988	7500422	7844849
1979	23313	41195	10802	4944	137222	217476	1144898	2648696	0	3793594	481814	66788	37	4342233	4559710
1980	30073	28673	15132	474	135232	209584	2076229	4831460	0	6907690	493063	1643507	0	9044260	9253844
1981	30857	23734	14052	233	107949	176825	1018255	3107979	0	4126233	187297	1568052	0	5881582	6058407
1982	27285	199890	26996	12607	35205	301982	1442652	5829652	0	7272304	401458	4781383	3894	12459039	12761022
1983	25168	125375	14091	8845	34237	207717	1503152	3955330	0	5430482	521546	9946278	1113	15907418	16115136
1984	106887	133959	15457	5484	17328	279116	2061454	4032756	0	6094210	541803	4015272	3723	10655008	10934123
1985	89803	158635	12498	14653	37314	312903	1324170	2964201	0	4288371	829459	5958136	4521	11082487	11395390
1986	14805	141994	9140	7457	33028	206425	1869436	4969357	944	6839737	1028321	6956429	24693	14849180	15055605
1987	33003	218381	9542	3133	24160	288219	2735922	4918322	642	7654886	1250721	5376953	19226	14301786	14590005
1988	55636	55444	17790	10686	86801	226356	3837344	4185904	1478	8024726	1517493	3921794	25093	13489106	13715462
1989	19819	17737	5085	15629	10923	69195	1333129	1923004	0	3256133	921708	2096197	8754	6282792	6351987
1990	20030	16100	4585	20374	10524	71613	1306207	2245180	0	3551387	729517	4092121	10406	8383431	8455044

Table 8.5. Weight (lb) of each species landed commercially from the Matagorda Bay system, 1972-1990.

Year	Finfish										Shellfish							Grand Total
	Black drum	Flounder	Sheeps-head	Mullet	Other	Total	Shrimp			Blue Crab	Eastern Oyster	Other	Total					
							Brown and Pink	White	Other									
1972	36906	22156	15887	849	132205	208003	228942	1164672	0	1393614	468545	166302	189	2028650	2236653			
1973	25740	28020	6044	4555	121150	185509	1185841	2860131	0	4045972	294217	67391	745	4408325	4593834			
1974	10255	21382	4417	642	142309	179005	452867	1429128	0	1881995	601177	183007	683	2666862	2845867			
1975	12792	30204	6945	914	121476	172331	866039	792883	0	1658922	357353	366344	315	2382934	2555265			
1976	7896	26190	4453	3779	57865	100183	988152	1072107	0	2060259	200493	280087	315	2541154	2641337			
1977	17489	19184	5290	1196	73564	116723	1008551	2621280	0	3629831	211227	168605	1937	4011600	4128323			
1978	16503	19322	2257	564	43235	81881	767620	2526703	0	3294323	313509	145791	668	3754291	3836172			
1979	10150	6593	2997	270	34839	54849	2546059	2832037	0	5378096	680808	120937	14	6179855	6234704			
1980	11364	3077	2540	0	43677	60658	2059240	1538837	0	3598077	390743	333179	0	4321999	4382657			
1981	6047	553	289	18379	19514	44782	1521424	1746315	0	3267739	368089	88659	0	3724487	3769269			
1982	1541	8510	661	1335	86	12133	1757008	2113852	0	3870860	689000	270376	74	4830310	4842443			
1983	1696	13692	241	3484	761	19874	3204889	3614158	0	6819047	796690	199940	109	7815786	7835660			
1984	608	15886	749	19375	30293	66911	2851107	2890693	150	5741950	927467	448637	6860	7124914	7191825			
1985	8092	28824	5786	117938	158457	319097	2194857	2678970	2707	4876534	989229	123390	7266	5996379	6315476			
1986	8775	28671	1556	50064	8256	97322	2552763	3765573	0	6318336	1196418	383152	51067	7948973	8046295			
1987	27656	21398	616	36290	2883	88843	3877350	3182016	4051	7063417	1124372	189078	9451	8386318	8475161			
1988	2249	2916	421	0	172	5758	2452358	1861817	0	4314175	950034	521057	23388	5808654	5814412			
1989	1049	6996	1483	17	4176	13721	3161848	1181237	0	4343085	2014910	915262	20393	7293650	7307371			
1990	440	3795	1454	180	14721	20590	2866632	3328699	0	6195332	1841591	104690	8565	8150178	8170768			

Table B.6. Ex-vessel value (\$) of each species landed commercially from the Matagorda Bay system, 1972-1990.

Year	Finfish										Shellfish					Grand Total
	Black drum	Flounder	Sheeps-head	Mullet	Other	Total	Shrimp			Blue Crab	Eastern Oyster	Other	Total			
							Brown and Pink	White	Other							
1972	4715	6854	1473	119	35409	46571	41037	860733	0	901770	47733	101231	34	1050768	1099339	
1973	3874	11593	786	416	43592	60261	495417	2306053	0	2801469	34216	53302	119	2889106	2949367	
1974	1452	8267	607	118	48015	58459	118828	1162644	0	1281472	82169	145995	149	1509785	1568244	
1975	2407	13613	1134	211	49698	67063	264777	792322	0	1057099	57379	277953	79	1392509	1459572	
1976	1768	13418	902	539	26541	43167	328738	1105080	0	1433817	34579	197315	72	1665783	1708950	
1977	4768	12465	1237	342	40176	58988	353186	2488876	0	2842062	52248	188223	656	3083189	3142177	
1978	5159	13986	643	137	27698	47623	301007	3269863	0	3570870	81465	182319	248	3834901	3882524	
1979	4019	5925	581	33	28228	38786	2190101	3920485	0	6110587	180568	146205	5	6437364	6476150	
1980	5605	3211	541	0	41372	50729	1663154	2622549	0	4285703	105058	495533	0	4886294	4937024	
1981	3319	683	55	938	19951	24946	955878	2233389	0	3189267	95838	130347	0	3415451	3440397	
1982	1213	9457	432	281	55	11439	1471574	4017104	0	5488678	209955	389589	20	6088242	6099681	
1983	1312	15704	144	623	360	18143	3973045	5708136	0	9681181	245017	264756	55	10191009	10209152	
1984	409	20303	297	1760	2939	25708	1933896	3852313	260	5786468	302471	732035	2493	6823468	6849176	
1985	3789	33438	1865	10126	9880	59067	1389730	4248136	677	5405543	338767	198719	3879	5946907	608975	
1986	6625	34204	674	4831	819	47153	2432683	6228562	0	8661245	371888	597832	21962	9652927	9700080	
1987	6792	20653	258	3340	666	31709	3540484	4203314	2683	7746481	366003	368771	2750	8484004	8515713	
1988	1722	3589	207	0	130	5648	2165625	3021325	0	5186950	361712	1023267	10109	6582038	6587687	
1989	465	7690	482	4	1668	10309	2662661	1803733	0	4466394	951304	1766740	10341	7194778	7205087	
1990	281	4521	497	90	6479	11869	2146634	6535605	0	8682239	844344	315103	4990	9846675	9858544	

Table B.7. Weight (lb) of each species landed commercially from the East Matagorda Bay system, 1972-1990.

Year	Finfish										Shellfish						Grand Total
	Black drum	Flounder	Sheeps-head	Mullet	Other	Total	Shrimp			Blue Crab	Eastern Oyster	Other	Total				
							Brown and Pink	White	Other								
1972	13742	1759	2271	2206	77939	97917	0	9061	0	9061	413400	49018	0	471479	569396		
1973	12464	1661	4428	0	81013	99566	0	66326	0	66326	828257	11637	0	906220	1005786		
1974	4436	1439	1420	0	41565	48860	0	0	0	0	358177	14227	0	372404	421264		
1975	5726	9989	2743	0	46957	65415	0	0	0	0	540268	8418	0	548686	614101		
1976	7602	6113	3621	1000	76673	95009	0	0	0	0	451237	2751	0	453988	548997		
1977	9339	3497	2938	0	55046	70820	0	0	0	0	309699	1317	0	311016	381836		
1978	9593	3103	1964	0	35008	49668	0	0	0	0	267668	578	0	268246	317914		
1979	7531	791	1202	0	21698	31222	0	0	0	0	196073	26040	0	222113	253335		
1980	4248	390	487	1	38138	43264	0	0	0	0	468952	2722	0	471674	514938		
1981	1387	301	50	0	10239	11977	0	0	0	0	83497	27504	0	111001	122978		
1982	1975	11758	1540	0	2860	18133	0	0	0	0	630153	0	0	630153	648286		
1983	453	6849	264	0	326	7892	0	0	0	0	637942	17569	0	655511	663403		
1984	199	2968	221	0	254	3642	0	0	0	0	317525	58317	2114	377956	381598		
1985	0	44	0	0	0	44	0	0	0	0	157482	2468	0	159950	159994		
1986	0	0	0	0	0	0	0	0	0	0	3000	0	0	3000	3000		
1987	3011	2672	217	0	180	6080	0	0	0	0	175	1383	0	1558	7638		
1988	742	778	197	0	511	2228	0	0	0	0	209583	893	235	210711	212939		
1989	0	4116	0	51	1995	6162	0	0	0	0	246866	928	527	248321	254483		
1990	0	365	0	0	0	365	0	1287	0	1287	15186	13142	0	29615	29980		

Table B.8. Ex-vessel value (\$) of each species landed commercially from the East Matagorda Bay system, 1972-1990.

Year	Finfish					Shellfish							Grand Total		
	Black drum	Flounder	Sheeps-head	Mullet	Other Total	Shrimp			Blue Crab	Eastern Oyster	Other	Total			
						Brown and Pink	White	Other Total							
1972	1790	561	288	66	21377	24082	0	6161	0	6161	42199	31473	0	79833	103916
1973	1904	679	658	0	29639	32880	0	50950	0	50950	100831	8183	0	159963	192843
1974	649	521	195	0	14201	15565	0	0	0	0	49863	11820	0	61683	77249
1975	1068	4422	524	0	19198	25213	0	0	0	0	87211	6540	0	93751	118964
1976	1588	3016	724	100	27081	32510	0	0	0	0	78574	2163	0	80737	113247
1977	2556	2112	706	0	25576	30950	0	0	0	0	75881	1224	0	77105	108055
1978	2758	2275	551	0	22529	28112	0	0	0	0	66481	792	0	67273	95385
1979	2653	612	486	0	18125	21876	0	0	0	0	48079	38020	0	86099	107974
1980	1768	390	207	0	35543	37909	0	0	0	0	123062	3861	0	126923	164832
1981	905	342	34	0	10432	11713	0	0	0	0	23578	43804	0	67381	79094
1982	1455	10813	1087	0	2477	15833	0	0	0	0	189697	0	0	189697	205530
1983	316	8384	117	0	285	9102	0	0	0	0	157133	26985	0	184118	193220
1984	142	3189	99	0	121	3551	0	0	0	0	73935	96488	519	170941	174492
1985	0	54	0	0	0	54	0	0	0	0	37847	4221	0	42068	42122
1986	0	0	0	0	0	0	0	0	0	0	900	0	0	900	900
1987	2559	4031	54	0	27	6671	0	0	0	0	69	2294	0	2363	9034
1988	650	1362	99	0	165	2276	0	0	0	0	85108	1836	81	87025	89300
1989	0	5364	0	20	758	6143	0	0	0	0	113861	1696	159	115716	121859
1990	0	599	0	0	0	599	0	2693	0	2693	3797	35725	0	42215	42813

Table 8.9. Weight (lb) of each species landed commercially from the San Antonio Bay system, 1972-1990.

Year	Finfish										Shellfish						Grand Total
	Black drum	Flounder	Sheeps-head	Mullet	Shrimp			Blue Crab	Eastern Oyster	Other	Total	Blue Crab	Eastern Oyster	Other	Total		
					Other	Total	Brown and Pink									White	
1972	27996	6646	13393	1800	111905	161740	88319	886270	0	974589	995493	397557	100	2367739	2529479		
1973	52770	6258	15228	4600	179415	258271	323043	840655	0	1163698	859003	134534	0	2157235	2415506		
1974	109699	27662	8974	0	275657	421992	67137	634634	0	701771	1124349	196622	0	2022742	2444734		
1975	92071	19144	27739	9900	313991	462845	369527	774267	0	1143794	1539148	123955	0	2806897	3269742		
1976	55800	23936	20539	0	280925	381200	259532	696027	0	955559	2140387	279221	0	3375167	3756367		
1977	39889	15012	6523	188	140395	202007	231089	1428055	0	1659144	2181587	438391	50	4279172	4481179		
1978	31040	11857	11544	574	88735	143750	685755	630176	0	1315931	1925483	560780	0	3802194	3945944		
1979	8679	5083	5903	0	64837	84502	738899	952150	0	1691049	2681111	600745	0	4972905	5057407		
1980	17636	10073	4851	0	143385	175945	1173386	559288	0	1732674	3011967	361303	0	5105944	5281889		
1981	9887	11426	2939	30381	67049	121682	736031	587894	0	1323925	3211057	142641	0	4677623	4799305		
1982	352	9226	388	0	0	9966	809548	450250	0	1259798	2310435	53925	0	3624158	3634124		
1983	6694	6070	3177	215	641	16797	1094207	385703	0	1479910	2546789	635624	70	4662393	4679190		
1984	7489	8437	7358	2848	8742	34874	1113827	745136	0	1858963	1423640	1937344	4287	5224234	5259108		
1985	7934	14298	9576	615	3757	36180	1205250	680398	0	1885648	2987746	1500343	47290	6421027	6657207		
1986	11940	10678	8456	283	2456	33813	1519625	809840	0	2329465	1715997	1627795	34634	5707891	5741704		
1987	16273	25384	3995	109407	1547	156606	1830240	940009	0	2770249	4775613	93137	3479	7642478	7799084		
1988	4396	31195	2093	0	2705	40389	1989771	616310	0	2606081	2741866	8927	154	5357028	5397417		
1989	427	17894	1976	0	263	20560	1910911	328901	0	2239811	1476655	139844	2348	3858658	3879218		
1990	34	14143	1988	0	27434	43599	1705301	1039699	0	2744999	2600358	625473	51980	6022810	6066409		

Table 8-10. Ex-vessel value (\$) of each species landed commercially from the San Antonio Bay system, 1972-1990.

Year	Finfish					Shellfish							Grand Total		
	Black drum	Flounder	Sheeps-head	Mullet	Other	Shrimp			Blue Crab	Eastern Oyster	Other	Total			
						Brown and Pink	White	Other							
1972	3066	2035	1443	72	31830	38445	15164	544878	0	560042	99539	218550	15	878146	916590
1973	6907	2258	2107	270	58503	70046	134617	608203	0	742820	106190	153089	0	1002099	1072145
1974	15720	11190	1110	0	95969	123989	16350	408548	0	424898	152447	189627	0	766972	890961
1975	16363	8609	2532	785	122533	150822	123122	495501	0	618623	243632	127131	0	989385	1140207
1976	13058	12319	3332	0	130172	158881	93638	526871	0	620509	389108	267512	0	1277128	1436009
1977	9625	8966	757	38	73260	92646	74220	975470	0	1049689	506153	428621	8	1984471	2077116
1978	9020	9332	1595	82	63089	83119	221690	613293	0	834983	504865	661879	0	2001727	2084846
1979	3229	4831	1135	0	57783	66977	570771	1149736	0	1720507	723938	686703	0	3131148	3198125
1980	8362	9856	1031	0	133634	152884	1028620	775524	0	1804144	802171	503256	0	3109570	3262454
1981	5445	13066	736	1519	69713	90479	461439	537989	0	999428	797728	194684	0	1991840	2082319
1982	194	10192	66	0	0	10451	663891	687224	0	1351116	653508	63737	0	2068361	2078812
1983	4300	7521	678	65	212	12775	1307198	638400	0	1945597	1021105	908939	35	3875676	3888452
1984	5754	11046	2464	885	2138	22289	881545	1017071	0	1898616	376916	2917682	1815	5195029	5217318
1985	3796	77855	3358	282	1572	26863	619044	343141	0	1462185	957812	2239732	37752	4698881	4723744
1986	7278	11267	2555	140	900	22139	1333413	1243937	0	2577351	570355	2774003	20148	5941856	5963996
1987	10576	32179	1379	9861	467	54462	1670279	1294548	0	2964828	1773203	186660	396	4925086	4979548
1988	3729	40196	716	0	1362	46003	1698376	959666	0	2658042	1056821	22308	55	3737226	3783229
1989	328	24269	779	0	101	25477	1676827	487974	0	2164801	558162	355034	968	3078965	3104442
1990	15	23525	898	0	18947	43385	1643308	1937089	0	3580397	906786	1480744	33985	6001913	6045298

Table B.11. Weight (lb) of each species landed commercially from the Arkansas Bay system, 1972-1990.

Year	Finfish										Shellfish							Grand Total
	Black drum	Flounder	Sheeps-head	Mullet	Other	Total	Shrimp			Blue Crab	Eastern Oyster	Other	Total					
							Brown and Pink	White	Other									
1972	91561	36867	18462	8074	528730	683694	137494	1261494	0	1398988	1338870	60553	0	2798411	3482105			
1973	128985	19607	44186	8665	517209	718652	872186	997602	0	1869788	1272791	9940	0	3152519	3871171			
1974	118308	43524	52350	3500	471798	689480	210910	448238	0	659148	1079323	9888	0	1748359	2437839			
1975	118035	65520	27073	8795	500670	720093	486664	589222	0	1075886	892434	12381	0	1980701	2700794			
1976	173178	89454	49203	342	835620	1147797	732643	576593	0	1309236	1318761	24158	521	2652676	3800473			
1977	123441	68100	37993	2048	430746	662328	473954	1781140	0	2255094	2244568	65573	0	4565235	5227563			
1978	81282	41200	33778	1870	252656	410786	659810	993356	0	1653166	2051177	119994	0	3824337	4235123			
1979	24064	42414	21264	1051	185366	274159	1427626	1227415	0	2655041	2436264	96013	0	5187318	5461477			
1980	36919	58005	11954	14951	251814	373643	1010885	824648	0	1835533	2716056	21588	0	4573177	4946820			
1981	20618	46985	26932	3197	81037	178769	1744416	726693	0	2471109	1777297	62369	0	4310775	4489544			
1982	36491	119852	59483	8851	800	225477	1916457	841457	0	2757914	2150379	51509	125	4959927	5185404			
1983	51850	67796	27397	13606	4561	165210	3122304	792925	0	3915229	2508983	117119	105	6541436	6706646			
1984	16790	75233	5510	0	102	97635	2789635	1747920	0	4537555	2129660	359952	2400	7029567	7127202			
1985	15856	44605	11265	0	6300	77826	2551706	806467	252	3358425	2231473	216817	5080	5811795	5889621			
1986	47641	90467	15980	33	3640	157761	2365073	1591075	0	3956148	936042	97126	6938	4996254	5154015			
1987	46396	70065	29887	49681	2758	198787	3308913	1155994	0	4464907	1683562	433189	32432	6614090	6812877			
1988	37447	27885	3917	1178	9230	79657	2789878	1050430	0	3840308	2571851	276385	175450	6863994	6943651			
1989	2094	15375	165	3600	64	21298	1967067	215814	0	2182882	405087	118617	115552	2822138	2843436			
1990	26170	9738	1866	6561	811	45146	3558134	1917668	0	5475802	766104	11237	118173	6371316	6416462			

Table B.12. Ex-vessel value (\$) of each species landed commercially from the Aransas Bay system, 1972-1990.

Year	Finfish										Shellfish						Grand Total
	Black drum	Flounder	Sheeps-head	Mullet	Other	Total	Shrimp			Blue Crab	Eastern Oyster	Other	Total				
							Brown and Pink	White	Other								
1972	10704	11943	1015	356	165580	189598	19256	1017152	0	1036407	135514	40146	0	1212067	1401665		
1973	15072	6439	2991	460	157378	182340	320570	711900	0	1032470	147418	10323	0	1190211	1372551		
1974	16674	13863	2731	210	148390	181867	54252	378785	0	433037	147627	11295	0	591960	773827		
1975	22716	27131	2239	734	190481	243301	149122	495756	0	644878	148037	13743	0	806657	1049958		
1976	44129	40852	4418	68	368135	457602	253140	602679	0	855820	223087	23957	78	1102941	1560542		
1977	33411	40204	2653	102	234466	310837	159139	1395300	0	1554439	505795	65103	0	2125337	2436174		
1978	26437	33522	2938	207	186311	249416	221431	1135804	0	1357236	567758	133734	0	2058727	2308143		
1979	9093	34294	2718	105	163954	210164	1148754	1746313	0	2895067	613596	108704	0	3617366	3827530		
1980	17792	43223	1575	770	252384	315743	862589	1207648	0	2070237	766160	22934	0	2859331	3175074		
1981	13021	56546	6177	458	93717	169920	925332	876323	0	1801655	554601	91655	0	2447911	2617831		
1982	23801	111570	16554	877	191	152993	1422765	1496129	0	2918894	615755	72485	65	3607199	3760192		
1983	30275	64576	3875	1498	2982	103205	3818816	1429216	0	5248032	937183	183905	61	6369182	6472387		
1984	10165	57928	1235	0	27	69355	2143509	2407353	0	4550862	608700	540826	4200	5704587	5773942		
1985	12593	45194	2170	0	703	60660	1428731	1234637	144	2663511	743745	342385	62	3755823	3816483		
1986	33192	85684	3618	3	830	123326	2212768	2862736	0	5075503	341568	158265	3489	5578825	5702151		
1987	34690	68358	7314	4482	612	115456	3713091	1784055	0	5497145	604311	944903	17648	7064007	7179463		
1988	27511	40972	1249	193	15089	85014	2332005	1569031	0	3901036	964075	676681	89205	5630997	5716011		
1989	2005	25320	48	2160	27	29760	1591759	337398	0	1929157	209121	286500	87161	2511938	2541699		
1990	22836	18205	683	1371	234	43329	3137700	3595268	0	6732968	277743	42085	77730	7130527	7173856		

Table B.13. Weight (lb) of each species landed commercially from the Corpus Christi Bay system, 1972-1990.

Year	Finfish										Shellfish					Grand Total
	Black drum	Flounder	Sheeps-head	Mullet	Other	Total	Shrimp			Blue Crab	Eastern Oyster	Other	Total			
							Brown and Pink	White	Other							
1972	102876	8496	8383	420	196594	316769	51842	324846	0	376688	70652	0	0	447340	764109	
1973	220175	17512	35138	15255	338300	626380	396221	873026	0	1269247	41068	0	212	1310527	1936907	
1974	201074	37985	91358	1101	415022	746540	150052	292036	0	442088	326220	0	0	768308	1514848	
1975	205685	56334	78758	1152	322229	664158	482839	461076	0	943915	123753	1050	0	1070718	1734876	
1976	161758	25725	84427	1700	280961	554571	397220	410269	0	807489	123761	0	0	931250	1485821	
1977	199848	49128	116863	73	169306	535218	738572	567956	0	1306528	102750	0	0	1409278	1944496	
1978	400845	44879	126860	0	259081	831665	910075	521680	0	1431755	9307	0	0	1441062	2272727	
1979	383315	68726	201684	34680	272046	960451	1166697	1052891	0	2219588	50498	0	116	2270202	3230653	
1980	198629	26813	251267	69790	315337	861836	1469014	400763	0	1869777	17448	0	0	1887225	2749061	
1981	58074	5880	51927	23592	188663	328136	1149681	336542	0	1486223	7723	0	0	1493946	1822082	
1982	58262	36632	43574	8568	1685	148721	708245	400062	0	1108307	141558	0	0	1249865	1398586	
1983	105884	74422	87195	0	9186	276687	1135421	466130	0	1601551	231757	0	35	1833343	2110030	
1984	64620	32236	31185	1515	1075	130631	2393305	1511141	0	3904446	76135	0	1014	3981595	4112226	
1985	29309	86770	39254	4422	18723	178478	1404056	274707	0	1678763	132786	0	78237	1889786	2068264	
1986	58969	120588	20443	358	23920	224278	993964	611059	0	1605023	877180	0	43560	2525763	2750041	
1987	105461	65419	21379	0	24710	216969	1309794	764332	0	2074126	267622	403	18302	2360453	2577422	
1988	136953	33082	59716	0	2289	232040	981943	463379	0	1445322	202774	175	37377	1685648	1917688	
1989	63773	7757	2535	0	2103	76168	895123	88119	0	983242	948543	0	29743	1961528	2037696	
1990	63318	9634	540	354	8629	82475	1976752	1344794	0	3321546	665532	35	21192	4008305	4090780	

Table 8.14. Ex-vessel value (\$) of each species landed commercially from the Corpus Christi Bay system, 1972-1990.

Year	Finfish				Shellfish				Grand Total						
	Black drum	Flounder	Sheeps-head	Mullet	Shrimp			Blue Crab		Eastern Oyster	Other	Total			
					Brown and Pink	White	Other								
Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total					
1972	11897	2505	420	51	59340	74213	7652	267860	0	275512	7065	0	0	282577	356791
1973	28518	5357	1962	805	107710	144351	161261	743259	0	904520	4569	0	32	909121	1053472
1974	34893	11183	4979	105	136863	188022	38059	296269	0	334328	44340	0	0	378668	566690
1975	38408	20221	3937	77	127412	190054	130410	470171	0	600581	20980	1335	0	622896	812951
1976	44543	11161	6386	205	110364	172659	172648	442337	0	614985	21409	0	0	636394	809054
1977	59304	29919	7736	4	91430	188393	301665	442067	0	743732	25808	0	0	769540	957933
1978	153759	35306	11977	0	178792	379833	395437	692600	0	1088038	2137	0	0	1090174	1470007
1979	165489	55658	25873	2562	199250	448833	1040519	1646613	0	2687133	10907	0	23	2698063	3146896
1980	108898	21889	29992	5029	302718	468525	1199080	592841	0	1791921	7819	0	0	1799740	2288265
1981	34387	5938	7860	2118	199312	249616	788033	439698	0	1227731	3850	0	0	1231581	1481197
1982	39150	35720	10638	728	849	87086	620283	696440	0	1316723	43920	0	0	1360642	1447728
1983	68644	72870	22966	0	1552	166032	1419771	896635	0	2316407	93369	0	18	2409793	2575825
1984	39855	30909	5985	169	246	77165	1935025	1989798	0	3924824	27079	0	507	3952409	4029574
1985	23813	82569	7756	444	3263	117845	1016153	366853	0	1382788	44889	0	59735	1487411	1605256
1986	36612	108600	4764	45	5808	155830	1146130	904608	0	2050737	273693	0	29259	2353689	2509519
1987	61085	62060	5479	0	8284	136908	1710235	1193495	0	2903730	102021	1449	8309	3015509	3152416
1988	119231	40652	17647	0	1374	178904	1025838	629518	0	1655356	80745	500	22318	1758919	1937823
1989	70311	11863	1007	0	1734	84916	897135	132617	0	1029752	384931	0	19314	1433997	1518913
1990	81584	16226	254	237	7093	105394	1832124	2478339	0	4310463	310238	40	14189	4634930	4740324

Table B.15. Weight (lb) of each species landed commercially from the Upper Laguna Madre system, 1972-1990.

Year	Finfish										Shellfish						Grand Total
	Black drum	Flounder	Sheeps-head	Mullet	Other	Total	Shrimp			Blue Crab	Eastern Oyster	Other	Total				
							Brown and Pink	White	Other								
1972	493569	10284	50681	662	520016	1075212	1610	10010	0	11620	4166	0	0	15786	1090998		
1973	356228	2075	35112	680	448982	843077	401618	37770	0	439388	986	0	73	440447	1283524		
1974	498034	9538	81502	421	740444	1329739	0	0	0	0	2002	0	0	2002	1331741		
1975	310233	9037	56327	6313	824877	1206787	0	0	0	0	8904	0	0	8904	1215691		
1976	612140	6316	72032	2871	646572	1339931	0	0	0	0	815	0	0	815	1340746		
1977	519296	5205	41537	495	320906	887439	0	0	0	0	126811	0	0	126811	1014250		
1978	558383	4166	24681	2337	203401	792968	0	0	0	0	159517	0	0	159517	952485		
1979	562558	3362	31619	0	222913	820452	0	0	0	0	26911	0	0	26911	847363		
1980	512336	8559	46722	0	449003	1016620	0	0	0	0	6688	0	0	6688	1023308		
1981	343717	5031	35306	2	267415	651471	0	0	0	0	0	0	0	0	651471		
1982	778749	21881	60695	0	312	861637	0	0	0	0	8913	0	0	8913	870550		
1983	1021586	50078	80860	0	745	1153269	0	0	0	0	12290	0	0	12290	1165559		
1984	373819	28287	43586	0	1569	447261	0	0	0	0	19727	0	0	19727	466988		
1985	284762	17998	36410	0	2098	341268	171060	1266	0	172326	92515	0	400	265241	606509		
1986	293320	24618	27383	0	2080	347401	80975	171	0	81146	76286	0	310	157742	505143		
1987	335407	10847	5152	0	677	352083	240689	644	0	241333	179427	0	165	420925	775008		
1988	207426	4993	4810	0	1868	219097	268061	2929	0	270990	102815	438	96	374339	593436		
1989	221250	473	502	0	86	222311	68651	0	0	68651	10332	263	213	79459	301770		
1990	218050	918	497	0	201	219666	7053	19992	0	27046	25767	0	3	52816	272482		

Table B.16. Ex-vessel value (\$) of each species landed commercially from the upper Laguna Madre system, 1972-1990.

Year	Finfish					Shellfish					Grand Total				
	Black drum	Flounder	Sheeps-head	Mullet	Other	Total	Shrimp			Blue Crab		Eastern Oyster	Other	Total	
							Brown and Pink	White	Other						
1972	62999	2866	2803	61	154183	222913	177	10190	0	10367	427	0	0	10794	233707
1973	48924	628	1932	75	155321	206880	136554	31895	0	168449	99	0	22	168570	375450
1974	101181	3221	4427	29	248767	357625	0	0	0	0	277	0	0	277	357902
1975	66594	3751	4091	696	329056	404188	0	0	0	0	1529	0	0	1529	405717
1976	166606	3091	6073	408	303910	480089	0	0	0	0	177	0	0	177	480266
1977	165428	3272	3130	50	186770	358650	0	0	0	0	28854	0	0	28854	387504
1978	229314	3432	2831	210	163276	399062	0	0	0	0	45689	0	0	45689	444751
1979	244453	3312	5231	0	206270	459266	0	0	0	0	6836	0	0	6836	466102
1980	265969	6422	7905	0	411735	692032	0	0	0	0	2704	0	0	2704	694736
1981	199135	5602	7457	0	293588	505782	0	0	0	0	0	0	0	0	505782
1982	535025	24168	16934	0	351	576477	0	0	0	0	3832	0	0	3832	580309
1983	708864	53945	22016	0	1063	785887	0	0	0	0	6073	0	0	6073	791960
1984	195672	27576	7706	0	777	231731	0	0	0	0	8056	0	0	8056	239786
1985	164454	18347	7320	0	1816	194937	107763	1375	0	109076	30882	0	200	140158	332095
1986	218248	24088	7752	0	1976	252064	95766	198	0	95964	26273	0	155	122393	374456
1987	282555	9909	1678	0	178	294320	350840	1317	0	352158	74901	0	58	427116	721437
1988	181025	7536	2082	0	2147	192789	290947	4023	0	302971	42507	1250	67	346795	539584
1989	224635	928	311	0	55	225928	75313	0	0	75313	5693	720	100	81826	307754
1990	241716	2007	255	0	262	244240	11842	27500	0	39342	13268	0	3	52613	296852

Table B.17. Weight (lb) of each species landed commercially from the lower Laguna Madre system, 1972-1990.

Year	Finfish				Shellfish						Grand Total				
	Black drum	Flounder	Sheeps-head	Mullet	Shrimp			Blue Crab	Eastern Oyster	Other					
					Total	Brown and Pink	White								
1972	260428	14612	19032	0	960232	1274304	0	0	0	0	1190	0	1190	1275494	
1973	252439	7595	13623	2800	1107876	1384333	0	0	0	0	11593	486	0	12079	1396412
1974	319978	26301	27821	341	1196897	1571338	0	0	0	0	12700	3264	0	15964	1587302
1975	317499	27549	40155	4000	1314806	1704009	0	0	0	0	3500	7124	0	10624	1714633
1976	932614	43817	39326	2150	1310104	2328011	0	0	0	0	298952	4591	0	303543	2631554
1977	378258	35255	27603	0	919099	1360215	0	0	0	0	975244	9066	0	984310	2344525
1978	492760	12552	60371	824	770241	1336748	0	0	0	0	196070	3071	64	199205	1535953
1979	434749	32867	45826	0	711873	1225315	0	0	0	0	122279	1963	0	124242	1349557
1980	210016	11334	82148	269	716138	1019905	0	0	0	0	518342	15494	0	533836	1553741
1981	157654	10855	24770	5700	525901	724880	0	0	0	0	815087	0	0	815087	1539967
1982	274561	33825	11273	0	1955	321614	0	0	0	0	747180	3572	0	750752	1072366
1983	238784	44935	8089	126	13063	304997	0	0	0	0	479092	3433	0	482525	787522
1984	136526	10082	2917	0	58	149583	0	0	0	0	355207	3276	0	358483	508066
1985	171176	22383	2567	0	5884	202010	0	0	0	0	258041	5847	2840	266728	468798
1986	120296	78686	2632	39	11253	212906	0	0	0	0	229754	123	0	229877	442783
1987	177004	60677	1919	0	972	240572	0	0	0	0	206519	4081	1792	212392	452964
1988	79884	58817	2658	0	15870	157229	0	0	0	0	700	9069	0	9769	166998
1989	296370	31146	988	0	4634	333138	0	0	0	0	1403	84491	0	85894	419032
1990	256313	28831	3493	0	15402	304039	0	0	0	0	977	5200	0	6177	310216

Table B.18. Ex-vessel value (\$) of each species landed commercially from the lower Laguna Madre system, 1972-1990.

Year	Finfish					Shellfish					Grand Total			
	Black drum	Flounder	Sheeps-head	Shrimp		Blue Crab	Eastern Oyster	Other	Total	Total				
				Mullet	Other							Brown and Pink	White	
1972	26777	3490	1029	0	232138	263434	0	0	0	0	710	0	710	264143
1973	27987	2068	936	140	312990	344120	0	0	0	1232	498	0	1730	345850
1974	39015	6833	1620	28	342867	390365	0	0	0	1778	3755	0	5533	395898
1975	44416	9035	2715	360	422812	479339	0	0	0	595	8000	0	8595	487934
1976	211200	16055	3262	208	511301	742026	0	0	0	72227	4767	0	76994	819020
1977	84438	16293	2140	0	428088	530960	0	0	0	239521	8956	0	248477	779436
1978	125472	7677	6516	49	485987	625702	0	0	0	50571	4010	10	54590	680292
1979	141055	27729	4953	0	564040	737777	0	0	0	30799	2235	0	33034	770811
1980	98196	8799	8569	13	644238	759816	0	0	0	130943	23234	0	154177	913992
1981	86387	11610	3882	570	600866	703314	0	0	0	234289	0	0	234289	937603
1982	145355	37162	2013	0	361	184892	0	0	0	212256	6531	0	218787	403679
1983	126295	45582	1108	57	3543	176585	0	0	0	183548	5796	0	189344	365929
1984	80979	10316	604	0	37	91937	0	0	0	102232	6415	0	108647	200584
1985	122414	24367	672	0	3542	150995	0	0	0	86400	11732	4088	102212	253206
1986	85440	77733	682	10	11428	175294	0	0	0	68675	231	0	68906	244199
1987	100984	59353	604	0	438	161379	0	0	0	53317	8446	2165	63928	225307
1988	54606	86594	665	0	20168	162032	0	0	0	754	21545	0	22279	184311
1989	153078	32544	255	0	2733	188610	0	0	0	869	343604	0	344473	533084
1990	103334	32236	1254	0	7529	144352	0	0	0	689	16141	0	16830	161182

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 1972-1990.

Table C.1. Weight (lb) of each species, except shrimp, landed commercially from the Gulf of Mexico grid zone 17.0 during 1972-1990.

Year	Finfish										Shellfish			Grand Total
	Black drum	Flounder	Sheeps-head	Mullet	Cobia	Grouper	Snapper	Other	Total	Blue crab	Other	Total		
													Total	
1972	8648	20354	22442	0	0	15729	111241	56931	235345	0	0	0	235345	
1973	4594	16800	9662	0	0	8566	88998	34586	163206	93037	0	93037	256243	
1974	3550	22859	14219	0	0	6825	52636	48171	148260	0	0	0	148260	
1975	9047	15638	7034	0	0	2669	23008	40407	97803	1382	0	1382	99185	
1976	2349	13498	2835	0	0	150	29209	20116	68157	501	0	501	68658	
1977	5810	2888	1615	0	200	629	36211	9105	56458	0	0	0	56458	
1978	20455	2539	143	0	0	0	1546	3480	28163	1268	13	1281	29444	
1979	114	1176	587	0	0	0	3222	3772	8871	100	0	100	8971	
1980	113	3619	471	0	0	582	825	4679	10289	3149	0	3149	13438	
1981	71	2816	532	619	0	4	235	2485	6762	5860	0	5860	12622	
1982	62	4010	1450	0	0	0	0	2131	7653	2555	114	2669	10322	
1983	247	3715	474	0	0	0	5549	2441	12426	5355	150	5505	17931	
1984	307	4112	171	0	0	199	6102	966	11857	962	200	1162	13019	
1985	20	9081	194	0	0	14515	17193	8064	49007	2214	71	2282	51289	
1986	1735	15135	2721	0	337	26573	107410	24940	178851	29910	5467	35377	214228	
1987	49541	30645	12525	0	766	5203	63586	27413	189679	19365	4720	24085	213764	
1988	161158	19457	4566	0	275	46827	35649	527142	795074	33424	6188	39612	834686	
1989	374	9490	1312	0	475	5553	22588	125483	165275	32742	5747	38489	203764	
1990	2755	12772	161	0	1931	643	19722	25553	63537	26727	3370	30097	93634	

Table C.2. Ex-vessel value (\$) of each species, except shrimp, landed commercially from the Gulf of Mexico grid zone 17.0 during 1972-1990.

Year	Finfish							Shellfish			Grand Total		
	Black drum	Flounder	Sheeps-head	Mullet	Cobia	Grouper	Snapper	Other	Total	Blue crab		Other	Total
1972	1141	5809	2330	0	0	1988	51966	11119	74354	0	0	0	74354
1973	583	5808	1119	0	0	1222	46982	9531	65244	8954	0	8954	74198
1974	496	7088	1618	0	0	914	30560	12456	53133	0	0	0	53133
1975	1407	5986	995	0	0	395	14352	11600	34734	166	0	166	34900
1976	436	5250	494	0	0	23	24103	5817	36123	60	0	60	36183
1977	1558	1529	332	0	50	159	32953	3099	39679	0	0	0	39679
1978	4091	1222	17	0	0	0	1726	831	7886	159	3	162	8048
1979	23	621	139	0	0	0	4280	4025	9088	30	0	30	9118
1980	16	2238	53	0	0	262	1170	756	4495	694	0	694	5190
1981	17	1562	141	71	0	1	458	481	2732	1519	0	1519	4252
1982	20	2237	302	0	0	0	0	357	2916	741	46	787	3703
1983	70	2224	106	0	0	0	9062	377	11840	2545	60	2605	14444
1984	94	3314	37	0	0	328	11049	169	14993	333	140	473	15466
1985	5	7180	49	0	0	21107	33145	4222	65706	887	27	915	66621
1986	1158	12125	861	0	235	36456	209631	16227	276692	15374	3137	18510	295203
1987	36173	26224	4002	0	669	7909	119165	11606	205748	7884	2088	9973	215720
1988	77572	17514	2096	0	275	58508	70397	734156	960518	14682	3008	17689	978207
1989	396	8735	516	0	434	6612	47807	258584	323085	16136	1679	17815	340900
1990	2455	14096	61	0	1791	1013	39766	8351	67533	14243	1764	16007	83541

Table C.3. Weight (lb) of each species, except shrimp, landed commercially from the Gulf of Mexico grid zone 18.0 during 1972-1990.

Year	Finfish							Shellfish			Grand Total		
	Black drum	Flounder	Sheeps-head	Mullet	Cobia	Grouper	Snapper	Other	Total	Blue crab		Other	Total
1972	24214	106855	50831	8747	18509	17916	138002	325982	691056	14405	2462	16867	707923
1973	18278	83295	29712	10403	14717	22056	104610	587785	870856	75010	904	75914	946770
1974	9460	89370	40897	38735	12511	21612	152343	360570	725498	39804	10134	49938	775436
1975	7992	67940	26598	527	17807	20999	111594	348137	601594	37960	3630	41590	643184
1976	12269	68404	33715	225	17651	20945	110194	318080	581483	19771	4941	24712	606195
1977	28861	55084	24444	535	13865	8158	97198	267071	495216	11038	7813	18851	514067
1978	4955	32429	8924	1340	10124	17470	100449	123241	298932	502	11164	11666	310598
1979	14324	20653	17147	2753	5629	7020	62133	189101	318760	417	577	994	319754
1980	7181	35081	4856	1076	1700	13957	58750	73282	195883	485	0	485	196368
1981	4900	16644	6657	9701	8289	4796	21231	25944	98162	519	0	519	98681
1982	4683	56556	15794	3204	15532	10477	97911	33332	237489	121	1310	1431	238920
1983	2137	37650	2264	19922	6997	6876	97665	14115	187626	26709	1288	27997	215623
1984	3048	32968	7403	9350	5542	5822	50802	17010	131945	26378	13380	39758	171703
1985	5452	27510	8062	39653	1097	14389	104567	65428	266158	21566	7031	28597	294755
1986	2132	19608	7013	3621	6260	30075	314680	139110	522499	40587	3656	44243	566742
1987	2269	6296	8200	710	1964	172058	294123	251351	736971	2816	6989	9805	746776
1988	1135	1748	2175	0	757	169093	180803	135070	490781	8126	618	8744	499525
1989	118	7747	3010	2498	1977	90066	173502	153270	432188	553451	52	553503	985691
1990	89	5438	100	30	421	24783	143628	55766	230255	5447	1073	6520	236775

Table C.4. Ex-vessel value (\$) of each species, except shrimp, landed commercially from the Gulf of Mexico grid zone 18.0 during 1972-1990.

Year	Finfish							Shellfish			Grand Total		
	Black drum	Sheeps-head	Mullet	Cobia	Grouper	Snapper	Other	Total	Blue crab	Other		Total	
1972	2883	29901	4890	467	2287	2221	67045	55107	164802	1141	348	1489	166291
1973	2384	29202	3679	559	2235	3313	56653	169304	267329	13404	138	13542	280871
1974	1212	28669	4724	2133	2154	3231	96378	73427	211927	3455	1672	5127	217054
1975	1431	24339	3440	102	3506	3810	75135	105837	217599	4366	771	5137	222736
1976	2162	31275	5232	36	3621	4102	87926	107462	241817	2566	1291	3858	245675
1977	6143	28294	4440	120	3485	1908	85615	99989	229994	2199	2218	4417	234411
1978	1095	18076	1413	536	3379	4369	94225	41957	165051	91	3189	3280	168331
1979	5221	13944	3082	445	2361	2838	74382	97241	199514	146	179	325	199839
1980	1630	24686	1057	164	881	5504	78031	53889	165842	118	0	118	165959
1981	1044	11550	1324	1233	4354	2536	28410	14844	65297	208	0	208	65505
1982	1905	48193	4289	486	9066	5367	168972	7810	246088	48	558	606	246694
1983	885	23658	619	3224	4925	4177	144161	3676	185325	7188	501	7689	193014
1984	1099	22016	1698	1183	3384	4279	85622	8353	127634	6616	4769	11385	139020
1985	3281	24836	1892	5387	642	10605	183406	45492	275544	5848	3677	9526	285070
1986	1144	15162	2042	573	4173	38887	567374	195470	824824	12806	1708	14514	839339
1987	692	6035	2703	113	1533	231745	560635	471118	1274573	938	2792	3729	1278303
1988	431	2311	774	0	578	285690	401660	116484	807929	3824	210	4033	811962
1989	56	8808	753	345	1682	149580	398581	163551	723355	262008	24	262032	985387
1990	29	5364	32	12	426	42436	302494	51377	402170	3125	394	3519	405688

Table C.5. Weight (lb) of each species, except shrimp, landed commercially from the Gulf of Mexico grid zone 19.0 during 1972-1990.

Year	Finfish										Shellfish			Grand Total
	Black drum	Flounder	Sheeps-head	Mullet	Cobia	Grouper	Snapper	Other	Total	Blue crab	Other	Total		
1972	10274	99502	8240	3000	4089	10048	239890	100327	475370	0	199	199	475569	
1973	22703	93619	9973	38274	519	23865	206663	295491	691107	0	1555	1555	692662	
1974	13966	101183	5185	15966	7491	13826	173127	263607	594351	156	344	500	594851	
1975	4686	89944	4378	1566	7487	12549	134793	138587	393990	0	555	555	394545	
1976	21860	65359	7678	17424	8741	15340	134083	92422	362907	0	1133	1133	364040	
1977	10039	33124	1953	239	4142	3538	57780	24557	135372	137	532	669	136041	
1978	4464	6646	663	577	3236	10972	69671	7143	103372	0	50	50	103422	
1979	8555	1208	1969	26066	2045	2698	41243	55955	139739	0	0	0	139739	
1980	591	2265	1700	3330	540	5214	70449	17191	101280	0	0	0	101280	
1981	1356	609	102	0	5414	10848	49586	13852	81767	0	0	0	81767	
1982	470	19412	848	0	8578	29583	153504	9057	221452	0	0	0	221452	
1983	3042	25268	691	72	10200	22364	81760	20768	164165	2611	2128	4739	168904	
1984	1204	24865	403	420	6374	13258	134083	68331	248938	0	4151	4151	253089	
1985	2544	17593	772	0	2861	117476	116553	162469	420468	7216	4725	11941	432409	
1986	893	4375	118	0	1263	40971	80065	122677	250362	6000	2816	8816	259178	
1987	1297	24006	43	0	4561	14571	44147	37504	126129	14409	1767	16176	142305	
1988	3307	28861	1035	671	2470	148631	185730	147817	518522	43563	3250	46813	565335	
1989	2022	30440	982	202	5724	101148	116428	93976	350922	1857	3636	5493	356415	
1990	4676	38353	1007	132	6060	39625	118803	49594	258250	283	5270	5553	263803	

Table C.6. Ex-vessel value (\$) of each species, except shrimp, landed commercially from the Gulf of Mexico grid zone 19.0 during 1972-1990.

Year	Finfish					Shellfish		Grand Total					
	Black drum	Sheeps-head	Mullet	Cobia	Other	Blue crab	Other						
1972	1234	27494	942	150	342	1353	107237	25353	164105	0	31	31	164136
1973	2899	25653	1219	2108	69	4093	111256	65614	212912	0	191	191	213103
1974	1907	28099	515	1073	837	1693	93218	55482	182824	19	69	88	182911
1975	737	29590	537	111	1192	2054	74542	26981	135744	0	96	96	135841
1976	4560	19055	1000	1415	1323	3588	82462	23571	136974	0	308	308	137282
1977	1951	16541	340	26	981	1070	39625	11471	72005	29	113	142	72146
1978	1022	3452	33	76	922	2174	63696	3894	75269	0	13	13	75282
1979	2992	658	289	2002	460	745	43731	39865	90743	0	0	0	90743
1980	380	1999	243	500	260	2418	114452	13087	133339	0	0	0	133339
1981	285	563	34	0	2928	5182	74469	15523	98984	0	0	0	98984
1982	94	18459	186	0	4020	17093	271640	5576	317069	0	0	0	317069
1983	1654	18931	88	18	5267	22820	119929	6230	174938	640	1009	1649	176587
1984	663	17432	96	188	4835	11957	242155	22956	300282	0	2854	2854	303136
1985	894	13455	61	0	1674	105342	220532	131010	472968	7798	4069	5868	478835
1986	424	3717	41	0	805	34532	137600	221636	398756	2050	769	2819	401575
1987	708	21501	11	0	2872	15590	67449	20603	128735	3602	511	4114	132849
1988	4634	25786	249	186	1803	202085	343854	129605	708202	12981	857	13838	722040
1989	1564	36508	255	30	5070	132304	231038	78388	485158	1102	1620	2722	487880
1990	3299	41142	258	129	5931	57751	221072	34204	363785	57	1720	1776	365562

Table C.7. Weight (lb) of each species, except shrimp, landed commercially from the Gulf of Mexico grid zone 20.0 during 1972-1990.

Year	Finfish										Shellfish			Grand Total
	Black drum	Flounder	Sheeps-head	Mullet	Cobia	Grouper	Snapper	Other	Total	Blue crab	Other	Total		
1972	1260	4088	0	1600	106	2910	22671	48062	80697	0	0	0	80697	
1973	4635	2815	0	2500	381	150	3083	19354	32918	0	0	0	32918	
1974	4749	2050	72	4500	0	0	348	37558	49277	0	0	0	49277	
1975	1086	1545	50	4800	0	0	81	40951	48513	0	0	0	48513	
1976	0	0	0	0	0	0	0	0	0	0	0	0	0	
1977	116	298	0	100	0	0	0	337	851	0	0	0	851	
1978	0	0	0	0	0	0	0	0	0	0	0	0	0	
1979	0	0	0	0	0	0	0	0	0	0	0	0	0	
1980	0	0	0	0	0	0	0	0	0	0	0	0	0	
1981	0	0	0	0	0	0	0	0	0	0	0	0	0	
1982	1136	403	0	0	0	0	616	0	2155	0	0	0	2155	
1983	0	0	0	0	0	0	0	0	0	0	0	0	0	
1984	4603	13843	2577	0	745	5680	76541	4926	108915	0	1450	1450	110365	
1985	1510	7738	16764	3000	2091	77469	157944	45788	310304	0	3409	3409	315713	
1986	7818	21322	7817	0	3305	89987	218273	173169	521691	0	2206	2206	523897	
1987	24882	6378	7611	0	849	41108	160789	51453	293070	320	1999	2319	295389	
1988	33071	14234	5092	531	2802	80766	110049	183687	430232	500	5473	5973	436205	
1989	1442	7109	39	23011	4093	63306	66975	72259	238234	422	443	865	239099	
1990	140	3337	800	71	2817	67867	71069	118868	264969	46	0	46	265015	

Table C.8. Ex-vessel value (\$) of each species, except shrimp, landed commercially from the Gulf of Mexico grid zone 20.0 during 1972-1990.

Year	Finfish										Shellfish			Grand Total
	Black drum	Flounder	Sheeps-head	Mullet	Cobia	Grouper	Snapper	Other	Total	Blue crab	Other	Total		
1972	132	950	0	64	16	90	10661	13060	24974	0	0	0	24974	
1973	993	791	0	125	72	22	1397	4723	8124	0	0	0	8124	
1974	613	638	4	225	0	0	139	11486	13105	0	0	0	13105	
1975	153	475	2	480	0	0	32	8665	9808	0	0	0	9808	
1976	0	0	0	0	0	0	0	0	0	0	0	0	0	
1977	35	149	0	5	0	0	0	172	361	0	0	0	361	
1978	0	0	0	0	0	0	0	0	0	0	0	0	0	
1979	0	0	0	0	0	0	0	0	0	0	0	0	0	
1980	0	0	0	0	0	0	0	0	0	0	0	0	0	
1981	0	0	0	0	0	0	0	0	0	0	0	0	0	
1982	682	383	0	0	0	0	1170	0	2235	0	0	0	2235	
1983	0	0	0	0	0	0	0	0	0	0	0	0	0	
1984	1367	10449	515	0	500	4960	143495	2980	164266	0	1352	1352	165618	
1985	1315	5879	2762	300	1641	55948	314558	43686	426090	0	1506	1506	427597	
1986	5002	18367	2524	0	2350	71091	438096	118118	655548	0	962	962	656511	
1987	10320	5445	2515	0	766	44745	329887	39937	433615	80	733	813	434428	
1988	31700	12853	2001	53	2461	92737	185404	158251	485460	230	3115	3345	488805	
1989	1778	5901	19	4431	3886	90817	138951	81696	327478	278	324	602	328080	
1990	184	4497	305	36	1958	79973	124095	168999	380047	16	0	16	380063	

Table C.9. Weight (lb) of each species, except shrimp, landed commercially from the Gulf of Mexico grid zone 21.0 during 1972-1990.

Year	Finfish										Shellfish			Grand Total
	Black drum	Flounder	Sheeps-head	Mullet	Cobia	Grouper	Snapper	Other	Total	Blue crab	Other	Total		
1972	750	101099	0	4800	0	50936	726173	34567	918325	0	0	0	918325	
1973	14505	52700	13524	1127	396	45632	378081	95020	600985	0	0	0	600985	
1974	35640	103966	13184	23500	0	42735	364477	185202	768704	0	0	0	768704	
1975	39693	78246	8220	5050	1733	35271	357973	345785	871971	400	0	400	872371	
1976	55541	36148	9444	4000	401	35218	221606	175068	537426	0	2107	2107	539533	
1977	17966	9091	5909	0	1775	9673	248811	20235	313460	0	179	179	313639	
1978	3326	2856	1129	26351	339	11467	216627	38166	300261	0	0	0	300261	
1979	3659	2651	2935	0	0	4582	108134	3482	125443	0	0	0	125443	
1980	3357	4134	64	0	0	3335	101584	868	113342	0	0	0	113342	
1981	7972	8590	1894	0	0	14194	94833	53254	180737	0	0	0	180737	
1982	18158	16070	722	0	0	24708	117550	53921	231129	0	1855	1855	232984	
1983	6563	8339	237	418	9	5531	76920	30259	128276	460	1652	2112	130388	
1984	21717	3240	627	0	41	8130	184674	40423	258852	0	1765	1765	260617	
1985	2408	12070	332	0	0	26276	267274	51042	359402	0	2995	2995	362397	
1986	3007	6617	900	207	153	36698	197243	78307	323132	6356	703	7059	330191	
1987	18446	2228	3937	0	0	112196	138835	58997	334639	393	802	1195	335834	
1988	9897	865	5107	0	161	24439	294592	59448	394509	901	628	1529	396038	
1989	119	535	10332	0	723	45496	209656	92742	359403	372	9945	10317	369920	
1990	5033	2479	37	0	333	20298	196611	98951	323742	0	2268	2268	326010	

Table C.10. Ex-vessel value (\$) of each species, except shrimp, landed commercially from the Gulf of Mexico grid zone 21.0 during 1972-1990.

Year	Finfish						Shellfish			Grand Total			
	Black drum	Flounder	Sheeps-head	Mullet	Cobia	Grouper	Snapper	Other	Total		Blue crab	Other	Total
1972	75	19143	0	240	0	5077	335073	5712	365320	0	0	0	365320
1973	1442	11066	676	89	59	5848	185244	13345	217769	0	0	0	217769
1974	3836	22761	680	1484	0	5104	195479	21393	250737	0	0	0	250737
1975	3158	20151	276	353	260	4952	229369	41430	299948	40	0	40	299988
1976	8780	10733	661	200	60	6678	158657	25505	211274	0	274	274	211548
1977	2269	2644	430	0	198	2016	262670	2895	273122	0	36	36	273158
1978	597	1262	169	1917	119	3216	243851	14057	265186	0	0	0	265186
1979	549	1265	293	0	0	3111	139158	2780	147136	0	0	0	147136
1980	1018	2259	10	0	0	1548	157617	511	162962	0	0	0	162962
1981	3206	6910	189	0	0	6470	164485	31989	213250	0	0	0	213250
1982	6288	13171	143	0	0	20256	227405	12793	280056	0	390	390	280446
1983	3038	6375	39	60	9	4867	110355	7248	131991	245	409	654	132646
1984	6111	2420	103	0	29	5940	335987	15555	366145	0	523	523	366668
1985	693	11409	53	0	0	19723	490787	25120	547785	0	620	620	548405
1986	1135	5348	142	315	134	35536	358482	57063	458155	2161	247	2408	460562
1987	17835	2122	1267	0	0	152766	236786	62723	473499	134	660	794	474293
1988	7176	1014	1040	0	156	21283	561805	90271	682744	937	241	1178	683923
1989	79	772	2066	0	551	43367	369200	108598	524634	376	1543	1919	526553
1990	2215	1882	6	0	195	17849	301704	128674	452524	0	1875	1875	454400

Appendix D. Monthly commercial finfish and shellfish landings (lb) and ex-vessel value (\$) by bay system for Texas bays during 1990.

Table D.1. Weight (lb) of each species landed commercially from the Sabine Lake system during 1990.

Species	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
FINFISH													
Alligator gar	0	0	0	0	450	0	282	1086	0	0	0	0	1818
Black drum	0	0	0	0	20	0	0	0	0	185	105	8	318
Flounder, unclassified	0	0	0	0	30	6	0	32	7	77	110	150	412
Kingfish, unclassified	0	0	0	0	26	11	0	25	0	0	0	0	62
Seatrout, sand	0	0	0	0	0	0	0	0	340	0	275	0	615
Sheepshead	0	0	250	0	0	16	0	260	0	215	176	511	1428
Total finfish	0	0	250	0	526	33	282	1403	347	477	666	669	4653
SHELLFISH													
Shrimp (heads on)	0	0	0	0	0	0	3779	0	0	0	0	0	3779
Shrimp, brown	0	0	0	0	0	0	393	17867	26060	82777	0	0	127096
Shrimp, white	0	0	0	0	0	0	4171	17867	26060	82777	0	0	130875
Total shrimp	0	0	0	0	0	0	8170	35734	52120	165554	0	0	268045
Crab, blue	56	616	877	2648	2453	2453	51242	89924	164571	166720	130378	130597	742535
Squid, unclassified	0	0	0	0	0	0	0	0	0	588	0	0	588
Total shellfish	56	616	877	2648	2453	2453	55413	107791	190631	250085	130378	130597	873998
Grand Total	56	616	1127	2648	2979	2486	55695	109194	190978	250562	131044	131266	878651

Table D-2. Ex-vessel value (\$) of each species landed commercially from the Sabine Lake system during 1990.

Species	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
FINFISH													
Alligator gar	0	0	0	0	450	0	254	977	0	0	0	0	1681
Black drum	0	0	0	0	6	0	0	0	0	93	64	4	166
Flounder, unclassified	0	0	0	0	24	5	0	29	7	96	154	225	540
Kingfish, unclassified	0	0	0	0	8	3	0	8	0	0	0	0	19
Seatrout, sand	0	0	0	0	0	0	0	0	272	0	220	0	492
Sheepshead	0	0	123	0	0	4	0	103	0	86	79	230	625
Total finfish	0	0	123	0	488	12	254	1117	279	275	517	459	3523
SHELLFISH													
Shrimp (heads on)	0	0	0	0	0	0	1904	0	0	0	0	0	1904
Shrimp, brown	0	0	0	0	0	0	190	8048	16509	76972	0	0	101719
Shrimp, white	0	0	0	0	0	0	2094	8048	16509	76972	0	0	103623
Total shrimp	0	0	0	0	0	0	2094	8048	16509	76972	0	0	103623
Crab, blue	31	365	529	1436	1288	1187	13361	24245	42259	42699	33926	40104	201430
Squid, unclassified	0	0	0	0	0	0	0	0	0	294	0	0	294
Total shellfish	31	365	529	1436	1288	1187	15455	32293	58768	119965	33926	40104	305347
Grand Total	31	365	652	1436	1776	1199	15709	33409	59047	120240	34443	40562	308869

Table D.3. Weight (lb) of each species landed commercially from the Galveston Bay system during 1990.

Species	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
FINFISH													
Atlantic croaker	20	0	0	0	0	14	0	74	67	237	25	0	437
Black drum	12024	749	19	2228	1999	338	0	52	1588	2071	1270	0	22338
Flounder, unclassified	305	509	264	401	427	2312	285	572	1295	4884	2395	94	13743
Gafftopsail catfish	0	15	403	13	0	2096	858	1409	0	0	74	0	4868
Kingfish, unclassified	0	39	0	4	89	19	0	0	0	0	0	102	253
Mullet, unclassified	0	100	388	49	43	39524	5126	11126	15345	14463	4850	459	91473
Seatrout, sand	19	0	0	0	0	17	0	0	20	60	49	16	181
Sheepshead	386	247	80	883	547	34	100	426	3771	3573	4883	46	14976
Unclassified food	0	0	31	4315	3329	771	65	88	557	612	720	0	10488
Unclassified scrap	0	25	0	5730	21375	769	519	583	193	60	187	0	29441
Total finfish	12754	1684	1185	13623	27809	45894	6953	14330	22836	25960	14453	717	188198
SHELLFISH													
Shrimp (heads on)	0	0	0	402	624619	850447	294429	200664	0	0	0	0	1970561
Shrimp, brown	0	0	0	3621	0	0	0	0	0	0	0	0	3621
Shrimp, pink	0	0	1046	22661	6640	12014	170704	535892	504110	250929	228274	56364	1788635
Shrimp, white	0	0	1046	26684	631259	862461	465133	736556	504110	250929	228274	56364	3762816
Total shrimp	0	0	1046	26684	631259	862461	465133	736556	504110	250929	228274	56364	3762816
Crab, blue	10017	47846	57916	114655	480797	270916	144183	295595	152404	146789	138192	48791	1908099
Crab, stone	1192	1004	836	684	1872	1708	1308	1040	1080	104	96	148	11072
Oyster, Eastern	52275	65718	111234	113474	99980	135381	71594	34039	32061	89146	213906	146846	1165654
Squid, unclassified	2	46	160	39	392	1343	3374	2370	1940	1764	705	117	12252
Total shellfish	63486	114614	171190	255536	1214300	1271809	685592	1069600	691595	488732	581173	252266	6859893
Grand Total	76240	116298	172375	269159	1242109	1317703	692545	1083930	714431	514692	595626	252983	7048091

Table D.4. Ex-vessel value (\$) of each species landed commercially from the Galveston Bay system during 1990.

Species	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
FINFISH													
Atlantic croaker	7	0	0	0	0	6	0	18	29	97	6	0	163
Black drum	12085	707	11	2002	1499	254	0	36	869	1709	859	0	20030
Flounder, unclassified	449	510	264	498	534	2936	328	672	1417	5798	2588	106	16100
Gafftopsail catfish	0	10	202	6	0	1362	212	352	0	0	19	0	2162
Kingfish, unclassified	0	12	0	1	22	4	0	0	0	0	0	36	75
Mullet, unclassified	0	40	582	22	15	7905	1025	2210	3442	3518	1351	263	20374
Seatrout, sand	5	0	0	0	0	9	0	0	5	21	11	4	54
Sheepshead	179	109	36	253	183	9	26	159	975	959	1683	14	4585
Unclassified food	0	0	16	899	1055	162	19	31	287	606	720	0	3795
Unclassified scrap	0	13	0	781	2413	354	260	234	97	30	94	0	4274
Total finfish	12725	1400	1110	4463	5722	13001	1870	3713	7120	12738	7330	422	71613
SHELLFISH													
Shrimp (heads on)	0	0	0	145	278000	472768	268503	281632	0	0	0	0	1301048
Shrimp, brown	0	0	0	5159	0	0	0	0	0	0	0	0	5159
Shrimp, pink	0	0	1956	44207	14146	9052	154198	700746	719535	322671	231173	47496	2245180
Shrimp, white	0	0	1956	49511	292146	481820	422701	982378	719535	322671	231173	47496	3551387
Total shrimp	0	0	3912	540705	197847	93077	47258	92812	53760	59572	52278	19551	729517
Crab, blue	4844	27310	30611	50597	197847	93077	47258	92812	53760	59572	52278	19551	729517
Crab, stone	422	450	273	299	819	652	589	380	335	46	42	65	4370
Oyster, Eastern	190540	229105	425907	440280	393415	460145	264168	137398	114989	331938	676139	428098	4092121
Squid, unclassified	2	23	156	18	173	428	1354	1354	826	1292	352	59	6035
Total shellfish	195807	256888	458902	540705	884400	1036122	736070	1214321	889445	715519	959983	495268	8383431
Grand Total	208533	258288	460012	545167	890122	1049122	737940	1218034	896565	728257	967313	495691	8455044

Table D.7. Weight (lb) of each species landed commercially from the East Matagorda Bay system during 1990.

Species	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
FINFISH													
Flounder, unclassified	0	0	0	0	0	0	0	365	0	0	0	0	365
Total finfish	0	0	0	0	0	0	0	365	0	0	0	0	365
SHELLFISH													
Shrimp (heads on)	0	0	0	0	0	0	0	0	0	1287	0	0	1287
Shrimp, white	0	0	0	0	0	0	0	0	0	1287	0	0	1287
Total shrimp	0	0	0	0	0	0	0	0	0	1287	0	0	1287
Crab, blue	0	0	1628	1743	3352	5045	3418	0	0	0	0	0	15186
Oyster, Eastern	5652	0	6020	1470	0	0	0	0	0	0	0	0	13142
Total shellfish	5652	0	7648	3213	3352	5045	3418	0	0	1287	0	0	29615
Grand Total	5652	0	7648	3213	3352	5045	3418	365	0	1287	0	0	29980

Table D.8. Ex-vessel value (\$) of each species landed commercially from the East Matagorda Bay system during 1990.

Species	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
FINFISH													
Flounder, unclassified	0	0	0	0	0	0	0	599	0	0	0	0	599
Total finfish	0	0	0	0	0	0	0	599	0	0	0	0	599
SHELLFISH													
Shrimp (heads on)	0	0	0	0	0	0	0	0	0	2693	0	0	2693
Shrimp, white	0	0	0	0	0	0	0	0	0	2693	0	0	2693
Total shrimp	0	0	0	0	0	0	0	0	0	2693	0	0	2693
Crab, blue	0	0	407	436	838	1261	855	0	0	0	0	0	3797
Oyster, Eastern	15433	0	16512	3780	0	0	0	0	0	0	0	0	35725
Total shellfish	15433	0	16919	4216	838	1261	855	0	0	2693	0	0	42215
Grand Total	15433	0	16919	4216	838	1261	855	599	0	2693	0	0	42813

Table D.9. Weight (lb) of each species landed commercially from the San Antonio Bay system during 1990.

Species	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
FINFISH													
Alligator gar	0	0	0	0	27379	0	0	0	0	0	55	0	27434
Black drum	0	0	0	0	0	0	0	0	0	0	3	31	34
Flounder, unclassified	198	0	30	64	929	2115	2133	2033	1165	2187	2496	793	14143
Sheepshead	25	0	0	2	325	297	367	317	167	376	98	14	1988
Total finfish	223	0	30	66	28633	2412	2500	2350	1332	2563	2652	838	43599
SHELLFISH													
Shrimp (heads on)	0	0	0	5522	945571	579996	174212	0	0	0	0	0	1705301
Shrimp, brown	514	0	0	0	0	511	1489	320245	328046	268265	84768	35860	1039699
Shrimp, white	514	0	0	5522	945571	580507	175701	320245	328046	268265	84768	35860	2744999
Total shrimp													
Crab, blue	25978	2000	158011	224630	298837	350293	219125	163510	342416	473096	220342	122120	2600358
Crab, stone	0	8316	15664	0	1880	1124	516	644	336	13076	7452	2972	51980
Oyster, Eastern	54880	60743	64243	59764	0	0	0	0	0	0	185502	200341	625473
Total shellfish	81372	71059	237918	289916	1246288	931924	395342	484399	670798	754437	498064	361293	6022810
Grand Total	81595	71059	237948	289982	1274921	934336	397842	486749	672130	757000	500716	362131	6066409

Table D.10. Ex-vessel value (\$) of each species landed commercially from the San Antonio Bay system during 1990.

Species	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
FINFISH													
Alligator gar	0	0	0	0	18892	0	0	0	0	0	55	0	18947
Black drum	0	0	0	0	0	0	0	0	0	0	1	14	15
Flounder, unclassified	230	0	39	105	1524	3469	3733	3400	1957	3618	4151	1301	23525
Sheepshead	8	0	0	1	140	149	184	136	72	162	42	6	898
Total finfish	237	0	39	106	20555	3617	3916	3536	2028	3780	4249	1321	43385
SHELLFISH													
Shrimp (heads on)	0	0	0	9164	846274	551838	236032	0	0	0	0	0	1643308
Shrimp, brown	542	0	0	0	0	1493	1189	549145	721910	483026	130152	49632	1937089
Shrimp, white	542	0	0	9164	846274	553331	237221	549145	721910	483026	130152	49632	3580397
Crab, blue	8917	560	47403	78337	103773	121931	76862	57085	119751	172305	77120	42742	906786
Crab, stone	0	5842	10573	0	1269	801	335	403	223	8303	4751	1486	33985
Oyster, Eastern	157269	177970	178415	173508	0	0	0	0	0	0	381628	411954	1480744
Total shellfish	166728	184372	236392	261009	951316	676063	314418	606633	841883	663634	593651	505814	6001913
Grand Total	166965	184372	236431	261115	971871	679680	318335	610169	843912	667414	597900	507135	6045298

Table D.11. Weight (lb) of each species landed commercially from the Arkansas Bay system during 1990.

Species	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
FINFISH													
Black drum	11181	4938	1754	0	0	12	21	1062	621	2797	210	3574	26170
Eels, cusk	0	0	0	0	0	0	40	0	0	0	0	0	40
Flounder, unclassified	297	19	352	117	335	941	766	596	1314	2302	1307	1392	9738
Gafftopsail catfish	0	0	522	0	0	0	0	0	0	249	0	0	771
Mullet, unclassified	0	0	0	0	464	81	16	0	0	0	0	6000	6561
Sheepshead	364	0	0	0	18	13	53	0	538	0	105	775	1866
Total finfish	11842	4957	2628	117	817	1047	896	1658	2473	5348	1622	11741	45146
SHELLFISH													
Shrimp (heads on)	0	0	1299	56331	198857	924823	544352	0	42472	0	0	0	3558134
Shrimp, brown	0	0	0	0	919	99	0	407161	525844	484395	371442	127809	1917668
Shrimp, white	0	0	1299	56331	1989777	924921	544352	407161	568316	484395	371442	127809	5475802
Total shrimp													
Crab, blue	3197	4000	818	6518	235248	71614	61189	61581	36869	154594	98162	32314	766104
Crab, stone	0	7384	7820	5352	7244	15720	20316	10860	12376	9136	14708	7108	118024
Oyster, Eastern	6895	3099	1243	0	0	0	0	0	0	0	0	0	11237
Squid, unclassified	0	0	11	0	112	0	26	0	0	0	0	0	149
Total shellfish	10092	14483	11191	68201	2232381	1012255	625883	479602	617561	648125	484312	167231	6371316
Grand Total	21934	19440	13819	68318	2233198	1013302	626779	481260	620034	653473	485934	178972	6416462

Table D.12. Ex-vessel value (\$) of each species landed commercially from the Arkansas Bay system during 1990.

Species	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
FINFISH													
Black drum	7289	4938	2193	0	0	11	7	1540	780	2714	210	3154	22836
Eels, cusk	0	0	0	0	0	0	53	0	0	0	0	0	53
Flounder, unclassified	462	34	670	215	626	2048	1619	1297	2841	4146	2071	2176	18205
Gafftopsail catfish	0	0	104	0	0	0	0	0	0	77	0	0	182
Mullet, unclassified	0	0	0	0	162	1	8	0	0	0	0	1200	1371
Sheepshead	175	0	0	0	4	6	27	0	185	0	22	264	683
Total finfish	7925	4972	2968	215	793	2066	1714	2837	3806	6937	2303	6794	43329
SHELLFISH													
Shrimp (heads on)	0	0	2734	104062	1516939	792270	599480	0	122215	0	0	0	3137700
Shrimp, brown	0	0	0	0	2958	353	0	711211	1146407	973876	571829	188634	3595268
Shrimp, white	0	0	2734	104062	1519897	792623	599480	711211	1268622	973876	571829	188634	6732968
Total shrimp	0	0	2734	104062	1519897	792623	599480	711211	1268622	973876	571829	188634	6732968
Crab, blue	1401	2127	738	4842	83302	21271	22862	18483	16899	54658	38982	12178	277743
Crab, stone	0	5101	6143	3686	4988	10822	13665	6975	7792	5739	9193	3554	77657
Oyster, Eastern	26004	10543	5538	0	0	0	0	0	0	0	0	0	42085
Squid, unclassified	0	0	8	0	39	0	26	0	0	0	0	0	73
Total shellfish	27405	17772	15162	112589	1608225	824716	636033	736668	1293313	1034273	620004	204366	7130527
Grand Total	35330	22743	18130	112804	1609018	826782	637747	739505	1297119	1041210	622307	211160	7173856

Table D.13. Weight (lb) of each species landed commercially from the Corpus Christi Bay system during 1990.

Species	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
FINFISH													
Atlantic cutlassfish	0	0	0	0	438	121	58	7102	29	0	0	0	7748
Black drum	5547	10911	2214	7981	7933	4357	6567	5676	5701	1348	2688	2395	63318
Eels, cusk	0	0	357	14	2	0	0	0	0	0	0	0	373
Flounder, unclassified	666	858	13	92	281	2266	163	175	27	67	2009	3017	9634
Gafftopsail catfish	0	0	0	0	8	0	0	0	0	0	0	0	8
Mullet, unclassified	0	0	0	0	0	19	0	335	0	0	0	0	354
Sheepshead	8	153	0	0	30	137	0	87	0	33	60	32	540
Unclassified scrap	0	0	0	0	0	0	0	500	0	0	0	0	500
Total finfish	6221	11922	2584	8087	8692	6900	6788	13875	5757	1448	4757	5444	82475
SHELLFISH													
Shrimp (heads on)	0	0	15591	44785	995420	525514	224552	170890	0	0	0	0	1976752
Shrimp, brown	756	0	0	0	0	163	901	170915	252006	360157	367125	192771	1344794
Shrimp, white	756	0	15591	44785	995420	525677	225452	341806	252006	360157	367125	192771	3321546
Total shrimp	1512	0	15591	44785	995420	525840	226353	512701	504012	721714	734250	385542	4666340
Crab, blue	54028	35323	40114	76310	114295	135791	106045	3608	24519	6641	11337	57521	665532
Crab, stone	0	232	196	1120	4240	3412	2144	284	404	444	7784	0	20260
Oyster, Eastern	0	0	0	0	0	0	0	0	0	0	0	35	35
Shrimp, mantis	0	0	13	0	0	0	0	0	0	0	0	0	13
Squid, unclassified	0	0	95	320	285	132	29	55	0	0	0	3	919
Total shellfish	54784	35555	56009	122335	1114240	665012	333670	345753	276929	367242	386246	250330	4008305
Grand Total	61005	47477	58593	130622	1122932	671912	340458	359628	282686	368690	391003	255774	4090780

Table D.14. Ex-vessel value (\$) of each species landed commercially from the Corpus Christi Bay system during 1990.

Species	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
FINFISH													
Atlantic cutlassfish	0	0	0	0	250	69	33	6311	22	0	0	0	6684
Black drum	6862	11482	2455	10866	10360	5810	9851	8009	7874	1750	3352	2914	81584
Eels, cusk	0	0	272	29	2	0	0	0	0	0	0	0	302
Flounder, unclassified	900	1517	26	184	605	4639	366	431	54	134	2829	4541	16226
Gafftopsail catfish	0	0	0	0	6	0	0	0	0	0	0	0	6
Mullet, unclassified	0	0	0	0	0	93	0	144	0	0	0	0	237
Sheepshead	3	66	0	0	20	66	0	35	0	19	39	7	254
Unclassified scrap	0	0	0	0	0	0	0	100	0	0	0	0	100
Total finfish	7766	13064	2753	11079	11242	10677	10250	15029	7950	1903	6219	7463	105394
SHELLFISH													
Shrimp (heads on)	0	0	31774	84983	744639	415274	255907	299547	0	0	0	0	1832124
Shrimp, brown	1035	0	0	0	0	530	3187	253659	495775	716767	665815	341571	2478339
Shrimp, white	1035	0	31774	84983	744639	415804	259094	553206	495775	716767	665815	341571	4310463
Total shrimp	29732	19495	28056	40940	48182	42256	58545	2503	12365	2692	4806	20665	310238
Crab, blue	0	116	132	762	2862	2303	1399	71	354	369	5018	0	13386
Crab, stone	0	0	0	0	0	0	0	0	0	0	0	40	40
Oyster, Eastern	0	0	10	0	0	0	0	0	0	0	0	0	10
Shrimp, mantis	0	0	86	288	204	131	27	55	0	0	0	3	794
Squid, unclassified	30767	19611	60057	126973	795887	460494	319064	555835	508493	719827	675639	362280	4634930
Total shellfish	38533	32676	62810	138053	807129	471171	329314	570865	516444	721730	681859	369742	4740324
Grand Total													

Table D.15. Weight (lb) of each species landed commercially from the Upper Laguna Madre Bay system during 1990.

Species	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
FINFISH													
Alligator gar	0	0	0	0	0	0	157	0	0	0	0	0	157
Black drum	20704	44258	56470	10232	10486	8531	11751	18204	6927	10311	7082	13094	218050
Florida pompano	0	0	0	0	0	10	14	8	0	10	2	0	44
Flounder, unclassified	41	107	110	6	90	445	36	31	23	18	7	4	918
Sheepshead	0	67	0	6	28	21	62	36	17	59	68	133	497
Total finfish	20745	44432	56580	10244	10604	9007	12020	18279	6967	10398	7159	13231	219666
SHELLFISH													
Shrimp (heads on)	0	0	0	5901	0	0	1153	0	0	0	0	0	7053
Shrimp, brown	0	0	0	0	0	0	0	19992	0	0	0	0	19992
Shrimp, white	0	0	0	5901	0	0	1153	19992	0	0	0	0	27046
Total shrimp	0	0	0	5901	0	0	1153	19992	0	0	0	0	27046
Crab, blue	0	0	0	6747	5305	9205	0	0	0	0	0	4510	25767
Squid, unclassified	0	0	3	0	0	0	0	0	0	0	0	0	3
Total shellfish	0	0	3	12648	5305	9205	1153	19992	0	0	0	4510	52816
Grand Total	20745	44432	56583	22892	15909	18212	13173	38271	6967	10398	7159	17741	272482

Table D.16. Ex-vessel value (\$) of each species landed commercially from the Upper Laguna Madre Bay system during 1990.

Species	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
FINFISH													
Alligator gar	0	0	0	0	0	0	196	0	0	0	0	0	196
Black drum	18186	43120	56779	12743	14663	12263	16451	25486	8632	12509	7790	13093	241716
Florida pompano	0	0	0	0	0	15	21	12	0	15	3	0	66
Flounder, unclassified	82	214	209	9	198	1063	72	62	46	36	11	6	2007
Sheepshead	0	37	0	3	16	11	31	18	9	30	34	67	255
Total finfish	18268	43371	56988	12755	14877	13351	16772	25578	8687	12589	7838	13165	244240
SHELLFISH													
Shrimp (heads on)	0	0	0	9738	0	0	2104	0	0	0	0	0	11842
Shrimp, brown	0	0	0	0	0	0	0	27500	0	0	0	0	27500
Shrimp, white	0	0	0	9738	0	0	2104	27500	0	0	0	0	39342
Total shrimp	0	0	0	9738	0	0	2104	27500	0	0	0	0	67342
Crab, blue	0	0	0	4048	3183	4142	0	0	0	0	0	1894	13268
Squid, unclassified	0	0	3	0	0	0	0	0	0	0	0	0	3
Total shellfish	0	0	3	13786	3183	4142	2104	27500	0	0	0	1894	52613
Grand Total	18268	43371	56991	26542	18060	17493	18876	53078	8687	12589	7838	15060	296852

Table D.17. Weight (lb) of each species landed commercially from the Lower Laguna Madre Bay system during 1990.

Species	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
FINFISH													
Alligator gar	0	0	0	0	3485	6873	1062	1584	860	0	0	0	13864
Atlantic croaker	1	1	0	0	0	0	0	0	0	7	7	2	18
Black drum	82726	24728	12852	4269	6712	0	5561	8434	18305	2507	30633	59586	256313
Florida pompano	0	0	0	0	0	0	5	4	6	0	0	0	15
Flounder, unclassified	81	683	152	244	576	1298	2455	3110	3000	5024	3808	8400	28831
Gafftopsail catfish	0	0	0	0	160	1345	0	0	0	0	0	0	1505
Sheepshead	249	27	19	91	25	0	172	236	240	335	197	1902	3493
Total finfish	83057	25439	13023	4604	10958	9516	9255	13368	22411	7873	34645	69890	304039
SHELLFISH													
Crab, blue	0	0	961	0	0	16	0	0	0	0	0	0	977
Oyster, Eastern	0	158	88	210	315	595	298	718	1085	508	525	700	5200
Total shellfish	0	158	1049	210	315	611	298	718	1085	508	525	700	6177
Grand Total	83057	25597	14072	4814	11273	10127	9553	14086	23496	8381	35170	70590	310216

Table D-18. Ex-vessel value (\$) of each species landed commercially from the Lower Laguna Madre Bay system during 1990.

Species	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
FINFISH													
Alligator gar	0	0	0	0	3137	2337	425	554	387	0	0	0	6839
Atlantic croaker	0	0	0	0	0	0	0	0	0	2	2	1	5
Black drum	19884	8446	5655	1878	2953	0	5552	4344	13814	1111	13479	26218	103334
Florida pompano	0	0	0	0	0	0	8	6	9	0	0	0	23
Flounder, unclassified	88	565	127	225	657	2417	3245	4074	3455	5092	4112	8179	32236
Gafftopsail catfish	0	0	0	0	70	592	0	0	0	0	0	0	662
Sheepshead	30	5	3	18	4	0	34	40	59	57	33	970	1254
Total finfish	20003	9015	5785	2121	6822	5346	9262	9019	17724	6262	17626	35367	144352
SHELLFISH													
Crab, blue	0	0	673	0	0	16	0	0	0	0	0	0	689
Oyster, Eastern	0	432	180	432	648	2448	1147	2337	3534	1742	1800	1440	16141
Total shellfish	0	432	853	432	648	2464	1147	2337	3534	1742	1800	1440	16830
Grand Total	20003	9447	6638	2553	7470	7810	10410	11356	21258	8005	19426	36807	161182

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 1990.

Table E.1. Weight (lb) of each species, except shrimp, landed commercially from Gulf of Mexico grid zone 17.0 during 1990.

Species	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
FINFISH													
Atlantic croaker	0	0	0	0	0	0	0	0	0	0	9	0	9
Black drum	8	77	0	0	0	0	24	0	0	841	0	1805	2755
Bluefish	0	0	0	0	0	0	0	0	0	173	0	0	173
Cobia	0	0	0	0	444	99	1047	81	260	0	0	0	1931
Dolphin	0	0	0	0	0	0	0	745	0	0	0	0	745
Flounder, unclassified	1328	203	352	212	261	188	103	66	77	0	7872	2110	12772
Greater amberjack	0	0	0	0	26	130	843	0	69	0	0	0	1068
Grouper, scamp	0	0	0	0	6	0	0	0	51	0	0	0	57
Grouper, unclassified	18	0	0	0	0	0	0	0	376	42	0	11	447
Grouper, warsaw	0	0	0	0	44	0	0	0	95	0	0	0	139
Kingfish, unclassified	1126	913	2240	211	2662	175	1650	1461	972	3037	7756	0	22203
Seatrout, sand	0	0	33	0	0	0	0	0	0	0	0	0	33
Shark, unclassified	0	0	0	590	0	0	0	0	75	0	0	0	665
Sheepshead	0	0	0	0	0	0	0	0	0	0	0	161	161
Snapper, red	692	1979	0	418	679	235	4566	5163	1024	561	1560	28	16905
Snapper, unclassified	0	0	0	0	0	0	0	0	0	2789	0	0	2789
Snapper, vermillion	0	0	0	0	28	0	0	0	0	0	0	0	28
Tilefish	0	0	0	0	0	0	0	0	10	0	0	0	10
Unclassified food	0	0	0	0	0	0	571	0	0	0	0	0	571
Wahoo	0	0	0	0	76	0	0	0	0	0	0	0	76
Total finfish	3172	3172	2625	1431	4226	827	8804	7516	3009	7443	17197	4115	63537

Table E.1. (Continued).

Species	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
SHELLFISH													
Crab, blue	130	1116	971	1891	4701	4716	3094	2098	4866	1922	993	229	26727
Squid, unclassified	22	0	1919	495	0	288	484	72	0	0	90	0	3370
Total shellfish	152	1116	2890	2386	4701	5004	3578	2170	4866	1922	1083	229	30097
Grand Total	3324	4288	5515	3817	8927	5831	12382	9686	7875	9365	18280	4344	93634

Table E.2. Ex-vessel (\$) value of each species, except shrimp, landed commercially from Gulf of Mexico grid zone 17.0 during 1990.

Species	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
FINFISH													
Atlantic croaker	0	0	0	0	0	0	0	0	0	0	6	0	6
Black drum	5	23	0	0	0	0	14	0	0	841	0	1572	2455
Bluefish	0	0	0	0	0	0	0	0	0	52	0	0	52
Cobia	0	0	0	0	377	99	1025	69	221	0	0	0	1791
Dolphin	0	0	0	0	0	0	0	618	0	0	0	0	618
Flounder, unclassified	1328	203	347	212	261	188	103	66	77	0	7709	3602	14096
Greater amberjack	0	0	0	0	14	91	640	0	44	0	0	0	790
Grouper, scamp	0	0	0	0	10	0	0	0	87	0	0	0	97
Grouper, unclassified	34	0	0	0	0	0	0	0	639	42	0	23	738
Grouper, warsaw	0	0	0	0	56	0	0	0	122	0	0	0	177
Kingfish, unclassified	338	274	742	63	799	53	495	469	292	911	2017	0	6451
Seatrout, sand	0	0	8	0	0	0	0	0	0	0	0	0	8
Shark, unclassified	0	0	0	148	0	0	0	0	23	0	0	0	170
Sheepshead	0	0	0	0	0	0	0	0	0	0	0	61	61
Snapper, red	1389	4116	0	882	1438	470	9038	11352	2101	1100	2780	66	34733
Snapper, unclassified	0	0	0	0	0	0	0	0	0	4990	0	0	4990
Snapper, vermilion	0	0	0	0	43	0	0	0	0	0	0	0	43
Tilefish	0	0	0	0	0	0	0	0	9	0	0	0	9
Unclassified food	0	0	0	0	0	0	171	0	0	0	0	0	171
Wahoo	0	0	0	0	76	0	0	0	0	0	0	0	76
Total finfish	3094	4616	1097	1305	3074	901	11487	12574	3614	7936	12512	5324	67533

Table E.2. (Continued).

Species	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
SHELLFISH													
Crab, blue	65	558	520	1035	2528	2571	1702	1154	2454	1024	495	137	14243
Squid, unclassified	13	0	1151	124	0	144	242	36	0	0	54	0	1764
Total shellfish	78	558	1671	1159	2528	2715	1944	1190	2454	1024	549	137	16007
Grand Total	3172	5174	2768	2464	5602	3616	13431	13764	6067	8960	13060	5462	83541

Table E.3. Weight (lb) of each species, except shrimp, landed commercially from Gulf of Mexico grid zone 18.0 during 1990.

Species	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
FINFISH													
Atlantic croaker	0	0	0	0	0	0	20	0	0	0	12	0	32
Black drum	0	7	0	0	0	0	0	0	82	0	0	0	89
Bluefish	0	0	0	0	85	0	0	0	0	0	0	0	85
Cobia	0	32	0	26	149	35	61	19	76	23	0	0	421
Dolphin	0	0	0	0	0	23	0	40	0	0	0	0	63
Eels, cusk	0	34	0	0	0	0	0	0	0	0	0	0	34
Flounder, unclassified	0	103	96	80	0	0	1	21	400	0	0	4737	5438
Gafftopsail catfish	0	0	0	0	0	0	0	0	97	0	0	0	97
Greater amberjack	309	129	405	632	31	51	136	198	0	0	40	0	1931
Grouper, scamp	0	0	48	0	0	0	0	0	0	0	0	0	48
Grouper, unclassified	667	5369	6530	4472	1350	1204	2028	246	117	1045	146	1468	24642
Grouper, warsaw	0	0	93	0	0	0	0	0	1607	1681	1274	6373	11776
Kingfish, unclassified	0	106	0	0	40	0	430	265	0	0	0	0	1280
Mackerel, king	0	0	0	0	0	0	230	1050	0	0	0	0	30
Mullet, unclassified	0	0	0	0	15	10	5	0	0	0	0	0	18
Porgy, unclassified	0	0	0	0	18	0	0	0	0	0	0	0	20
Seatrout, sand	0	0	0	0	0	0	20	0	0	0	0	0	77
Shark, shortfin mako	0	77	0	0	0	0	0	0	0	0	0	0	77
Shark, unclassified	1027	111	135	245	0	0	0	476	0	0	0	0	1994
Sheepshead	0	0	0	0	10	5	15	0	0	0	0	70	100
Snapper, red	11207	6380	10763	2891	5086	3453	4301	17883	3321	4465	2714	4313	76777
Snapper, unclassified	1216	1320	2239	7788	4452	6105	18287	780	164	135	42	1024	43552
Snapper, vermillion	0	0	10626	8881	249	1081	2256	206	0	0	0	0	23299
Tilefish	229	7411	7911	10339	5669	481	0	0	0	0	0	0	32040
Triggerfish, gray	352	338	168	262	181	78	417	102	0	130	124	264	2416
Tuna, blackfin	0	0	0	152	0	0	0	0	0	0	0	0	152
Tuna, unclassified	0	0	0	0	0	0	0	0	520	0	0	0	520
Unclassified food	0	162	278	604	49	0	395	6	576	0	432	161	2663
Unclassified scrap	0	0	495	0	0	0	0	0	0	0	0	0	495
Wahoo	0	0	0	0	15	0	32	26	0	0	0	0	73
Total finfish	15007	21579	39787	36372	17399	12526	28634	21318	6960	7479	4784	18410	230255

Table E.3. (Continued).

Species	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
SHELLFISH													
Crab, blue	1500	0	526	1821	1339	40	44	0	0	0	0	177	5467
Crab, stone	0	0	0	400	400	0	0	0	0	0	0	0	800
Squid, unclassified	0	0	0	0	0	0	273	0	0	0	0	0	273
Total shellfish	1500	0	526	2221	1739	40	317	0	0	0	0	177	6520
Grand Total	16507	21579	40313	38593	19138	12566	28951	21318	6960	7479	4784	18587	236775

Table E-4. Ex-vessel (\$) value of each species, except shrimp, landed commercially from Gulf of Mexico grid zone 18.0 during 1990.

Species	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
FINFISH													
Atlantic croaker	0	0	0	0	0	0	7	0	0	0	2	0	9
Black drum	0	6	0	0	0	0	0	0	23	0	0	0	29
Bluefish	0	0	0	0	29	0	0	0	0	0	0	0	29
Cobia	0	35	0	28	159	30	52	16	81	25	0	0	426
Dolphin	0	0	0	0	0	20	0	34	0	0	0	0	54
Eels, cusk	0	15	0	0	0	0	0	0	0	0	0	0	15
Flounder, unclassified	0	98	89	97	0	0	1	27	568	0	0	4484	5364
Gafftopsail catfish	0	0	0	0	0	0	0	0	19	0	0	0	19
Greater amberjack	164	81	267	278	14	22	60	85	0	0	18	0	989
Grouper, scamp	0	0	70	0	0	0	0	0	0	0	0	0	70
Grouper, unclassified	820	7987	11643	8974	2277	2059	3285	421	200	1787	250	2510	42212
Grouper, warsaw	0	0	154	0	0	0	0	0	0	0	0	0	154
Kingfish, unclassified	0	23	0	0	26	0	124	80	542	496	454	1693	3432
Mackerel, king	0	0	0	0	0	0	196	1050	0	0	0	0	1246
Mullet, unclassified	0	0	0	0	6	4	2	0	0	0	0	0	12
Porgy, unclassified	0	0	0	0	8	0	0	0	0	0	0	0	8
Seatrout, sand	0	0	0	0	0	0	7	0	0	0	0	0	7
Shark, shortfin mako	0	36	0	0	0	0	0	0	0	0	0	0	36
Shark, unclassified	1027	20	69	51	0	0	0	119	0	0	0	0	1286
Sheepshead	0	0	0	0	4	2	5	0	0	0	0	21	32
Snapper, red	19836	16233	25052	8611	12998	8261	9935	36045	7794	10429	5102	10152	170449
Snapper, unclassified	1484	2246	3808	16843	9073	12422	40682	1324	280	231	116	1751	90259
Snapper, vermilion	0	0	19977	15187	403	2076	3858	286	0	0	0	0	41786
Tilefish	202	10338	9414	13296	6746	664	0	0	0	0	0	0	40660
Triggerfish, gray	215	287	146	231	159	69	555	90	0	173	165	351	2440
Tuna, blackfin	0	0	0	144	0	0	0	0	0	0	0	0	144
Tuna, unclassified	0	0	0	0	0	0	0	0	104	0	0	0	104
Unclassified food	0	46	83	181	15	0	99	4	184	0	130	42	784
Unclassified scrap	0	0	0	0	0	0	0	0	0	0	0	0	50
Wahoo	0	0	0	0	16	0	27	22	0	0	0	0	65
Total finfish	23747	37452	70822	63921	31926	25628	58894	39602	9797	13140	6236	21004	402170

Table E.4. (Continued).

Species	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
SHELLFISH													
Crab, blue	1125	0	105	1043	748	16	17	0	0	0	0	71	3125
Crab, stone	0	0	0	150	150	0	0	0	0	0	0	0	300
Squid, unclassified	0	0	0	0	0	0	94	0	0	0	0	0	94
Total shellfish	1125	0	105	1193	898	16	111	0	0	0	0	71	3519
Grand Total	24872	37452	70927	65114	32824	25644	59005	39602	9797	13140	6236	21075	405688

Table E.5. Weight (lb) of each species, except shrimp, landed commercially from Gulf of Mexico grid zone 19.0 during 1990.

Species	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
FINFISH													
Black drum	285	804	741	0	114	0	20	113	0	0	2599	0	4676
Blue runner	0	0	0	0	0	0	3	0	0	0	0	0	3
Cobia	36	84	178	0	841	269	1960	1278	414	98	799	103	6060
Codfish, unclassified	0	0	0	0	0	0	0	0	0	0	0	107	107
Dolphin	0	31	0	0	4	23	487	2048	386	117	0	0	3096
Eels, cusk	0	27	0	7	0	0	0	0	174	0	5	53	266
Florida pompano	0	0	0	0	0	0	0	7	0	0	0	6	13
Flounder, unclassified	5383	1701	972	633	965	800	1279	1432	971	2307	9259	12651	38353
Greater amberjack	4315	307	561	662	1176	1835	234	2041	1857	1587	961	772	16308
Grouper, scamp	0	212	669	1919	5101	2578	0	684	607	866	129	108	12873
Grouper, unclassified	335	111	719	684	1439	930	60	72	137	9	30	139	4665
Grouper, warsaw	0	276	242	351	0	167	243	2624	388	328	101	406	5126
Grouper, yellowedge	0	0	0	0	0	3788	3200	8229	21	1009	626	88	16961
Kingfish, unclassified	1709	1762	1220	651	1349	287	380	1039	776	1767	6425	2289	19654
Mullet, unclassified	0	0	0	0	0	0	0	0	0	31	94	7	132
Pinfish	0	0	0	0	0	0	0	0	0	0	78	0	78
Porgy, unclassified	0	0	47	144	0	0	0	0	213	55	71	29	559
Seatrout, sand	0	0	0	0	0	0	0	0	0	98	0	0	98
Shark, unclassified	0	14	69	204	170	70	9	1101	16	60	18	0	1731
Sheepshead	43	82	600	0	115	0	0	62	0	19	41	45	1007
Snapper, red	4142	1789	5515	8084	7635	3574	6583	7722	5452	3562	3694	6010	63762
Snapper, unclassified	179	2295	46	0	0	0	0	1062	0	10	1024	620	5236
Snapper, vermillion	82	466	3664	7398	15314	5566	2253	4374	4039	4384	1323	942	49805
Swordfish	0	0	0	0	0	0	0	26	0	0	0	0	26
Tilefish	0	0	0	716	1746	1083	0	148	0	0	0	0	3693
Triggerfish, gray	29	133	353	195	343	42	107	0	46	59	1757	302	3366
Tuna, blackfin	0	0	0	0	0	0	0	0	19	0	0	0	19
Tuna, yellowfin	0	0	0	0	0	0	0	0	388	0	0	0	388
Unclassified food	0	0	0	0	0	0	0	0	26	0	0	0	26
Wahoo	0	0	0	0	0	0	0	132	31	0	0	0	163
Total finfish	16538	10094	15596	21648	36312	21012	16818	34194	15961	16366	29034	24677	258250

Table E.5. (Continued).

Species	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
SHELLFISH													
Crab, blue	0	0	0	0	0	0	0	0	0	94	149	40	283
Crab, stone	0	0	0	0	0	0	0	0	0	188	496	196	880
Squid, unclassified	406	517	1109	844	205	348	402	291	0	36	142	90	4390
Total shellfish	406	517	1109	844	205	348	402	291	0	318	787	326	5553
Grand Total	16944	10611	16705	22492	36517	21360	17220	34485	15961	16684	29821	25003	263803

Table E.6. Ex-vessel (\$) value of each species, except shrimp, landed commercially from Gulf of Mexico grid zone 19.0 during 1990.

Species	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
FINFISH													
Black drum	61	212	174	0	69	0	7	124	0	0	2651	0	3299
Blue runner	0	0	0	0	0	0	3	0	0	0	0	0	3
Cobia	36	92	228	0	843	242	1884	1023	422	93	982	86	5931
Codfish, unclassified	0	0	0	0	0	0	0	0	0	0	0	107	107
Dolphin	0	40	0	0	4	23	337	1838	375	106	0	0	2723
Eels, cusk	0	24	0	7	0	0	0	0	87	0	5	53	176
Florida pompano	0	0	0	0	0	0	0	7	0	0	0	2	9
Flounder, unclassified	4837	2039	1212	828	1236	925	1552	2196	1262	2881	10325	11849	41142
Greater amberjack	3825	227	527	493	1087	1620	206	1954	1914	1270	867	682	14672
Grouper, scamp	0	438	1421	3399	7920	3535	0	1170	1197	1267	165	92	20605
Grouper, unclassified	372	123	1187	1003	1990	1212	77	107	230	10	38	194	6543
Grouper, warsaw	0	451	310	449	0	251	304	2921	534	420	173	520	6332
Grouper, yellowedge	0	0	0	0	0	5190	5600	10831	29	1554	932	136	24271
Kingfish, unclassified	647	665	485	266	524	115	147	391	310	656	2711	915	7832
Mullet, unclassified	0	0	0	0	0	0	0	0	0	30	92	7	129
Pinfish	0	0	0	0	0	0	0	0	0	0	7	0	7
Porgy, unclassified	0	0	16	80	0	0	0	0	384	70	91	45	686
Seatrou, sand	0	0	0	0	0	0	0	0	0	22	0	0	22
Shark, unclassified	0	5	28	47	60	21	5	286	8	25	8	0	492
Sheepshead	8	21	150	0	29	0	0	21	0	6	10	14	258
Snapper, red	8306	3329	12724	18326	17696	8680	12210	15853	11230	7042	7921	10773	134092
Snapper, unclassified	349	4835	81	0	0	0	0	2238	0	15	1311	1281	10109
Snapper, vermillion	144	729	5522	10576	23076	8684	3885	6742	7744	6357	1962	1451	76871
Swordfish	0	0	0	0	0	0	0	54	0	0	0	0	54
Tilefish	0	0	0	988	2184	1354	0	151	0	0	0	0	4676
Triggerfish, gray	15	91	223	54	222	22	47	0	23	26	666	227	1615
Tuna, blackfin	0	0	0	0	0	0	0	0	24	0	0	0	24
Tuna, yellowfin	0	0	0	0	0	0	0	0	873	0	0	0	873
Unclassified food	0	0	0	0	0	0	0	0	26	0	0	0	26
Wahoo	0	0	0	0	0	0	0	168	39	0	0	0	207
Total finfish	18600	13320	24287	36518	56939	31873	26264	48073	26714	21849	30917	28431	363785

Table E.6. (Continued).

Species	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
SHELLFISH													
Crab, blue	0	0	0	0	0	0	0	0	0	19	30	8	57
Crab, stone	0	0	0	0	0	0	0	0	0	80	211	74	364
Squid, unclassified	102	129	277	387	133	87	101	73	0	9	36	23	1355
Total shellfish	102	129	277	387	133	87	101	73	0	108	276	104	1776
Grand Total	18702	13449	24564	36905	57072	31960	26365	48146	26714	21957	31193	28535	365562

Table E.7. Weight (lb) of each species, except shrimp, landed commercially from Gulf of Mexico grid zone 20.0 during 1990.

Species	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
FINFISH													
Black drum	0	0	0	0	0	0	0	78	62	0	0	0	140
Cobia	0	141	30	0	351	0	1195	304	693	103	0	0	2817
Dolphin	0	0	0	0	25	804	1517	1690	308	260	0	0	4604
Florida pompano	0	0	0	0	0	0	0	0	0	53	0	0	53
Flounder, unclassified	0	0	40	0	5	0	1318	443	0	1531	0	0	3337
Great barracuda	0	0	0	0	0	0	0	0	0	9	0	0	9
Greater amberjack	0	11501	248	563	338	232	531	366	23	3728	0	2226	19756
Grouper, jewfish	0	0	0	0	0	0	0	0	0	233	0	0	233
Grouper, scamp	0	0	0	98	0	0	0	0	0	124	0	0	222
Grouper, unclassified	40	1126	234	543	6766	5013	347	0	16	714	0	502	15301
Grouper, warsaw	0	0	111	1729	2049	3071	0	1813	3800	1100	0	3877	17550
Grouper, yellowedge	0	0	0	0	0	0	0	6118	8498	4163	0	15782	34561
Kingfish, unclassified	0	0	0	0	0	0	0	0	0	5271	0	0	5271
Mackerel, king	0	0	0	0	0	0	42	0	0	0	0	0	42
Mullet, unclassified	0	0	0	0	0	0	0	0	0	0	71	0	71
Porgy, unclassified	0	0	0	37	0	0	0	0	0	0	0	0	37
Seatrout, sand	0	0	0	0	0	0	0	0	0	8	0	0	8
Shark, blacktip	0	0	0	0	0	0	237	0	0	33	0	0	270
Shark, unclassified	28	404	287	361	2641	4339	1051	1101	956	3210	0	0	14378
Sheepshead	0	0	482	0	0	0	0	51	0	247	20	0	800
Snapper, red	138	2629	924	5133	14672	6059	1123	5836	3165	21795	0	3552	65026
Snapper, unclassified	0	0	0	7	144	0	18	0	0	159	0	0	328
Snapper, vermilion	0	0	27	2806	0	0	0	0	0	2811	0	71	5715
Swordfish	0	0	0	0	0	0	7	26	0	0	0	879	912
Tilefish	0	0	0	0	506	427	0	280	3844	2944	0	2934	10935
Triggerfish, gray	0	0	0	98	0	0	0	0	0	263	0	0	361
Tuna, blackfin	0	0	0	0	0	0	44	0	161	3612	0	0	3817
Tuna, yellowfin	0	0	0	0	49474	7329	0	0	0	240	0	0	57043
Unclassified food	0	0	0	20	0	0	0	0	0	184	0	0	204
Wahoo	0	0	0	0	0	0	79	132	0	957	0	0	1168
Total finfish	206	15801	2383	11395	76971	27274	7509	18238	21526	53752	91	29823	264969

Table E.7. (Continued).

Species	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
SHELLFISH													
Crab, blue	0	0	0	0	0	0	0	0	0	46	0	0	46
Total shellfish	0	0	0	0	0	0	0	0	0	46	0	0	46
Grand Total	206	15801	2383	11395	76971	27274	7509	18238	21526	53798	91	29823	265015

Table E.8. Ex-vessel (\$) value of each species, except shrimp, landed commercially from Gulf of Mexico grid zone 20.0 during 1990.

Species	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
FINFISH													
Black drum	0	0	0	0	0	0	0	106	78	0	0	0	184
Cobia	0	99	21	0	290	0	813	207	471	58	0	0	1958
Dolphin	0	0	0	0	20	629	1073	1787	314	216	0	0	4040
Florida pompano	0	0	0	0	0	0	0	0	0	45	0	0	45
Flounder, unclassified	0	0	63	0	5	0	923	926	0	2581	0	0	4497
Great barracuda	0	0	0	0	0	0	0	0	0	6	0	0	6
Greater amberjack	0	11041	241	400	282	276	743	348	23	3157	0	1670	18181
Grouper, jewfish	0	0	0	0	0	0	0	0	0	140	0	0	140
Grouper, scamp	0	0	0	75	0	0	0	0	0	95	0	0	171
Grouper, unclassified	52	1374	263	516	9036	6330	521	0	23	763	0	488	19364
Grouper, warsaw	0	0	117	1037	2008	3071	0	2130	6194	778	0	3257	18591
Kingfish, yellowedge	0	0	0	0	0	0	0	7770	11132	5287	0	17518	41707
Kingfish, unclassified	0	0	0	0	0	0	0	0	0	685	0	0	685
Mackerel, king	0	0	0	0	0	0	74	0	0	0	0	0	74
Mullet, unclassified	0	0	0	0	0	0	0	0	0	0	36	0	36
Porgy, unclassified	0	0	0	10	0	0	0	0	0	0	0	0	10
Seatrout, sand	0	0	0	0	0	0	0	0	0	5	0	0	5
Shark, blacktip	0	0	0	0	0	0	154	0	0	20	0	0	175
Shark, unclassified	12	162	95	90	739	1238	347	286	266	968	0	0	4203
Sheepshead	0	0	197	0	0	0	0	17	0	84	7	0	305
Snapper, red	178	5455	2049	8244	32303	11617	1544	11841	6711	34297	0	4919	119159
Snapper, unclassified	0	0	0	6	202	0	31	0	0	122	0	0	361
Snapper, vermilion	0	0	35	2161	0	0	0	0	0	2312	0	68	4576
Swordfish	0	0	0	0	0	0	14	54	0	0	0	2250	2318
Tilefish	0	0	0	0	511	410	0	327	3939	2708	0	2435	10330
Triggerfish, gray	0	0	0	18	0	0	0	0	0	58	0	0	75
Tuna, blackfin	0	0	0	0	0	0	29	0	145	506	0	0	679
Tuna, yellowfin	0	0	0	0	109338	17150	0	0	0	375	0	0	127063
Unclassified food	0	0	0	5	0	0	0	0	0	37	0	0	42
Mahoe	0	0	0	0	0	0	87	168	0	813	0	0	1068
Total finfish	242	18130	3079	12562	154733	40721	6351	25967	29296	56320	42	32605	380047

Table E.8. (Continued).

Species	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
SHELLFISH													
Crab, blue	0	0	0	0	0	0	0	0	0	16	0	0	16
Total shellfish	0	0	0	0	0	0	0	0	0	16	0	0	16
Grand Total	242	18130	3079	12562	154733	40721	6351	25967	29296	56336	42	32605	380063

Table E.9. Weight (lb) of each species, except shrimp, landed commercially from Gulf of Mexico grid zone 21.0 during 1990.

Species	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
FINFISH													
Alligator gar	0	0	0	0	0	0	0	52	0	0	0	0	52
Black drum	0	0	0	0	0	5033	0	0	0	0	0	0	5033
Cobia	47	0	105	0	16	0	20	76	69	0	0	0	333
Dolphin	252	0	0	0	736	1701	3715	536	2282	171	706	0	10099
Florida pompano	0	0	0	0	0	0	0	0	0	0	0	78	226
Flounder, unclassified	0	0	0	16	0	2455	8	0	0	0	0	0	2479
Gafftopsail catfish	282	0	0	0	0	0	0	0	0	35	0	0	317
Great barracuda	0	183	0	0	0	0	0	0	0	0	0	0	183
Greater amberjack	12993	3611	2475	135	1196	411	1003	587	2110	58	79	3187	27845
Grouper, scamp	320	278	328	0	142	184	213	222	97	0	8	169	1961
Grouper, unclassified	704	465	1702	382	639	865	414	268	1000	869	59	520	7887
Grouper, Warsaw	3274	1884	1236	0	459	613	639	898	794	76	91	242	10206
Grouper, yellowfin	0	0	46	104	94	0	0	0	0	0	0	0	244
Herring, unclassified	0	0	0	0	0	0	0	0	0	0	0	0	300
Kingfish, unclassified	0	0	0	0	0	0	481	576	817	0	0	830	2704
Mackerel, Spanish	0	0	0	0	0	0	0	0	0	65	0	0	65
Porgy, unclassified	0	23	15	0	23	21	0	29	22	0	0	0	133
Seatrout, sand	0	0	0	0	0	0	0	0	0	0	0	26	26
Shark, blacktip	0	0	200	0	0	0	0	0	0	0	0	0	200
Shark, shortfin mako	0	0	254	0	0	0	0	0	0	0	0	0	254
Shark, unclassified	6760	339	421	0	353	162	775	193	2184	0	2756	1490	15433
Sheepshead	0	0	0	0	0	37	0	0	0	0	0	0	37
Snapper, red	21070	17356	6611	0	4614	10404	10943	22975	19237	44	62	8482	121798
Snapper, unclassified	46	3039	4526	1278	2431	3960	36	35	3551	2603	5924	7779	35208
Snapper, vermilion	1762	1042	2630	974	5481	5124	6508	7113	7263	266	394	1048	39605
Swordfish	1699	0	994	1504	524	95	1275	1080	363	0	234	0	7768
Tilefish	0	0	0	2072	0	0	0	0	5	0	0	0	2077
Triggerfish, gray	243	122	85	0	57	0	0	0	124	0	0	177	808
Tuna, blackfin	0	0	1293	0	0	4437	21	0	0	0	0	0	3751
Tuna, unclassified	2670	0	0	2483	740	0	3905	378	108	67	228	528	11107
Tuna, yellowfin	0	0	108	0	794	602	0	0	0	1548	5825	0	8877
Unclassified food	194	50	8	0	64	0	832	0	14	3593	100	0	4855
Wahoo	0	0	0	83	319	200	813	0	272	61	123	0	1871
Total finfish	52316	28392	23185	9031	18588	34398	31601	35018	40312	9456	16589	24856	323742

Table E.9. (Continued).

Species	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
SHELLFISH													
Lobster, spiny	0	0	171	0	0	0	0	0	0	0	0	0	171
Squid, unclassified	0	480	95	24	0	0	1181	25	0	150	0	142	2097
Total shellfish	0	480	266	24	0	0	1181	25	0	150	0	142	2268
Grand Total	52316	28872	23451	9055	18588	34398	32782	35043	40312	9606	16589	24998	326010

Table E.10. Ex-vessel (\$) value of each species, except shrimp, landed commercially from Gulf of Mexico grid zone 21.0 during 1990.

Species	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
FINFISH													
Alligator gar	0	0	0	0	0	0	0	11	0	0	0	0	11
Black drum	0	0	0	0	0	2215	0	0	0	0	0	0	2215
Cobia	13	0	87	0	5	0	7	53	29	0	0	0	195
Dolphin	252	0	0	0	734	1650	4001	515	2253	145	600	0	10151
Florida pompano	0	0	189	0	0	0	0	0	0	0	0	47	236
Flounder, unclassified	113	0	0	28	0	1841	12	0	0	0	0	0	1882
Gafftopsail catfish	0	0	0	0	0	0	0	0	0	47	0	0	159
Great barracuda	0	37	0	0	0	0	0	0	0	0	0	0	37
Greater amberjack	6646	2241	1777	135	964	325	824	514	1694	46	70	2550	17787
Grouper, scamp	209	220	282	0	120	142	164	272	75	0	10	145	1638
Grouper, unclassified	678	516	2577	707	693	750	409	281	945	754	81	442	8831
Grouper, warsaw	1839	1168	1121	0	391	476	492	643	549	55	58	186	6979
Grouper, yellowfin	0	0	62	192	0	146	0	0	0	0	0	0	400
Herring, unclassified	0	0	0	0	0	0	0	0	0	0	0	135	135
Kingfish, unclassified	0	0	0	0	0	0	62	75	106	0	0	141	384
Mackerel, Spanish	0	0	0	0	0	0	0	0	0	195	0	0	195
Porgy, unclassified	0	8	5	0	6	5	0	8	6	0	0	0	37
Seatrout, sand	0	0	0	0	0	0	0	0	0	0	0	7	7
Shark, blacktip	0	0	0	0	0	0	0	0	0	0	0	0	80
Shark, shortfin mako	0	0	80	0	0	0	0	0	0	0	0	0	80
Shark, unclassified	10656	47	183	0	0	0	0	0	0	0	0	0	183
Sheepshead	0	0	46	0	74	37	163	39	395	0	7602	3093	22154
Snapper, red	31726	26272	10753	0	6321	14988	15810	32909	26790	94	133	11878	177674
Snapper, unclassified	42	7540	9619	3157	6269	5134	43	27	8901	5753	13151	16585	76221
Snapper, vermillion	1053	964	2140	1705	5631	4495	11359	13485	5766	340	520	350	47809
Swordfish	5383	0	3432	4572	1347	333	3902	3229	882	0	483	0	23562
Tilefish	0	0	0	2859	0	0	0	0	6	0	0	0	2865
Triggerfish, gray	29	21	14	0	20	0	0	0	27	0	0	12e	237
Tuna, blackfin	0	0	1034	0	0	4265	15	0	0	0	0	0	5314
Tuna, unclassified	4945	0	0	4594	740	0	5428	832	117	60	429	2418	19562
Tuna, yellowfin	0	0	302	0	1179	591	0	0	0	2117	15305	0	19494
Unclassified food	99	29	2	0	16	0	346	0	2	3593	45	0	4133
Wahoo	0	0	0	83	399	200	813	0	272	61	123	0	1951
Total finfish	63685	39062	33707	18032	24908	37599	43850	52892	48816	13262	38609	38103	452524

Table E.10. (Continued).

Species	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
SHELLFISH													
Lobster, spiny	0	0	759	0	0	0	0	0	0	0	0	0	759
Squid, unclassified	0	106	24	6	0	0	824	15	0	90	0	52	1116
Total shellfish	0	106	783	6	0	0	824	15	0	90	0	52	1875
Grand Total	63685	39168	34490	18038	24908	37599	44673	52907	48816	13352	38609	38155	454400

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 1977-1990.

Table E.11. Weight (lb) of each shrimp species (heads-on) landed commercially from the Gulf of Mexico during 1990.

Month	Brown and Pink	White	Other	Total
January	1,010,859	104,126	9,857	1,124,842
February	884,656	136,513	137,284	1,158,453
March	611,549	186,934	397,197	1,195,680
April	829,264	188,431	981,602	1,999,297
May	2,152,583	237,228	415,851	2,805,662
June	2,497,244	203,610	3,469	2,704,322
July	17,848,726	611,325	3,921	18,463,971
April	11,369,720	1,178,539	7,557	12,555,816
September	4,542,063	1,572,300	5,756	6,120,119
April	4,205,107	2,106,058	222,837	6,534,002
November	3,720,980	1,569,412	90,835	5,381,228
December	3,457,659	758,980	100,397	4,317,035
Total	53,130,411	8,853,455	2,376,563	64,360,429

Table E.12. Ex-vessel value (\$) of each shrimp species (heads-on) landed commercially from the Gulf of Mexico during 1990.

Month	Brown and Pink	White	Other	Total
January	2,696,740	216,867	4,980	2,918,587
February	2,305,650	221,294	78,458	2,605,402
March	1,670,367	367,563	259,734	2,297,664
April	2,244,091	490,958	398,894	3,133,943
May	3,289,784	667,255	212,123	4,169,162
June	4,062,784	654,585	1,317	4,718,686
July	31,651,771	2,208,075	1,508	33,861,354
April	23,464,663	2,729,270	2,434	26,196,367
September	11,940,871	3,546,825	2,133	15,489,829
April	11,745,163	5,013,714	51,449	16,810,326
November	10,188,972	3,498,770	29,993	13,717,735
December	9,421,430	1,377,658	36,678	10,835,766
Total	114,682,286	20,992,834	1,079,701	136,754,821

Appendix F. Weight (lb) and ex-vessel value (\$) of menhaden caught off Texas but landed commercially in Louisiana during 1977-1990.

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 1977-1990. 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

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 1977-1990. 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

Table G.2. Total weight (lb x 1,000) of Eastern oyster meat transplanted to private oyster leases in Texas bay systems during 1978-1990. Data based on weekly oyster transplant reports submitted to IPMD 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

*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 1978-1990. Data based on monthly oyster harvest reports submitted to IPMD 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	215.7	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

*Data prior to 1978 not available.

Appendix H. Number of commercial licenses sold in Texas in each fiscal year (September-August) from 1956-1990.

Table H.1. Number of commercial dealer licenses sold in Texas in each fiscal year from 1956 through 1990*. 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	Shrimp house operator	Bait shrimp	Menhaden fish plant
	Large	Medium	Small						
1956	2,675	1,444	3,888	75	3,936	157	0	0	0
1957	2,691	1,425	3,841	80	3,533	155	0	0	0
1958	2,792	1,376	3,639	84	4,391	142	0	0	0
1959	2,809	1,593	3,963	84	5,007	171	6	25	0
1960	3,163	1,491	3,775	86	4,043	175	18	582	0
1961	3,390	1,499	3,482	78	3,865	185	9	528	2
1962	3,388	1,549	3,564	63	3,421	187	10	502	5
1963	3,414	1,594	3,437	88	3,192	201	16	500	1
1964	3,485	1,650	3,688	76	3,260	205	29	476	3
1965	3,435	1,598	3,585	73	3,034	209	36	412	2
1966	3,467	1,617	3,559	65	2,968	234	28	417	1
1967	3,433	1,573	3,492	46	3,272	227	29	416	1
1968	3,455	1,619	3,477	57	3,030	241	37	432	1
1969	3,445	1,645	3,441	50	3,071	203	31	405	1
1970	3,574	1,599	3,481	53	3,169	211	33	408	1
1971	3,639	1,585	3,418	73	3,214	225	34	397	1
1972	3,758	1,543	3,420	96	3,113	219	33	439	1
1973	3,692	1,523	3,323	122	2,921	219	33	430	1
1974	3,721	1,478	2,801	167	2,456	251	27	417	0
1975	3,630	1,413	2,706	437	2,675	250	26	417	0
1976	3,513	1,450	2,717	489	2,998	241	27	423	0
1977	3,005	1,331	2,719	601	3,020	260	25	422	0
1978	2,920	1,301	2,719	786	2,991	259	27	419	0
1979	2,817	1,212	2,667	605	2,877	255	28	449	0
1980	2,449	1,124	2,460	544	2,853	265	30	476	0
1981	2,482	1,156	2,371	895	2,776	254	27	500	0
1982	2,256	1,144	2,244	1,287	2,828	307	29	520	0
1983	2,202	1,120	2,259	1,185	2,895	329	34	543	0
1984 ^c	5,122			900	2,600	325	28	484	0
1985	4,994			1,026	2,638	327	26	488	0
1986	4,560			1,005	2,751	361	28	510	0
1987	4,397			844	2,733	398	29	505	0
1988	3,989			776	2,756	447	30	527	0
1989	3,800			759	2,712	448	26	532	0
1990	3,623			706	2,709	412	23	524	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 1990. 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				Non- ^b			Finfish			
	Tidal water	Red drum	Resident ^a		Resident Fishermen	Vessel	Resident Vessel	Resident	Non-resident ^b	Merhaden only	Import
			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		605	4,379								
1980	32,823	636	19,660				2,291	1,989	46	558	
1981		635	14,205			0	3,581	1,678	444	80	
1982			13,427			2,632	3,870	632	16		336
1983			13,591			2,691	4,775	670	31		281
1984			12,357			2,797	5,503	452	11		205
1985			11,244			2,498	5,352	466	28		187
1986			10,803			2,288	1,742	486	46		221
1987			10,885			2,204	1,725	479	24		179
1988			10,429			2,172	1,348	596	20		155
1989			9,036			2,078	1,309	506	54		121
1990			7,707			1,965	988	633	71		92

^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 1990. 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	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

^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.

Table H.4. Number of commercial saltwater boat and vessel licenses sold in Texas in each fiscal year from 1956 through 1990. 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		Bait		Commercial oyster boat
					shrimp	boat	shrimp boat	shrimp boat	
1956	1,392	39							
1957	1,535	36							
1958	2,466	36							
1959	2,657	47	125		1,846				
1960	2,280	21	1,947		2,506				
1961	1,616	24	1,655		2,456				
1962	1,396	24	1,636	24	3,328				
1963	1,314	13	1,958				1,196		
1964	1,380	17	1,958				1,321		
1965	1,236	26	1,947				1,460		
1966	1,147	22	2,140				1,752		
1967	1,029	27	2,437				632		
1968	997	39	2,624				768		
1969	978	37	2,871				881		
1970	1,066	36	2,900				966		
1971	1,086	31	3,239				1,261		
1972	1,320	42	3,393				1,372		
1973	1,354	54	3,225				1,625		
1974	1,456	45	2,714				1,341		
1975	1,278	53	2,571				1,404		
1976	1,388	50	2,886				1,449		
1977	1,586	36	3,168				1,521		
1978	1,379	18	3,363				1,751		
1979	1,755	22	3,311				2,026		
1980	1,504	13	3,738				2,218		
1981	1,254	12	4,027				2,277		
1982	787	38	4,139				2,724		
1983	1,095	41	3,824				2,837		
1984	1,100	36	3,630				2,713		
1985	917	26	2,946				2,445		
1986	947	25	3,083				2,454		
1987	1,042	26	2,427 (540)				2,376 (2)		
1988	1,233 (68)	25	2,233 (508)				2,135 (4)		
1989	1,181 (71)	22	2,167 (604)				1,817 (6)		551 (12)
1990	994 (7)	21							

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

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