

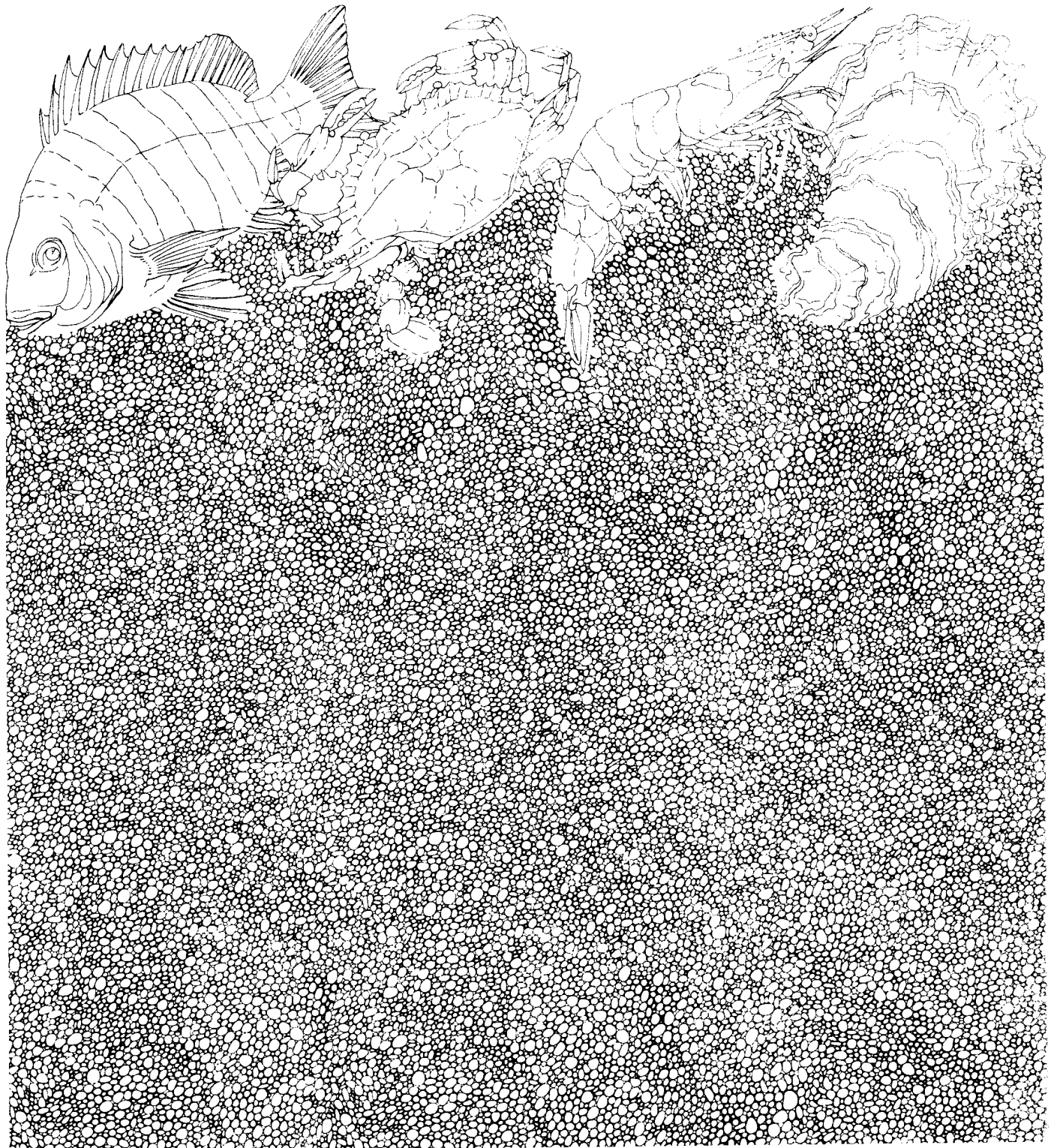
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# Texas Commercial Harvest Statistics, 1978-79

by C.L. Hamilton

Management Data Series Number 12  
1980

Texas Parks and Wildlife Department  
Coastal Fisheries Branch



TEXAS COMMERCIAL HARVEST STATISTICS  
1978-79

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TEXAS COMMERCIAL HARVEST STATISTICS  
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ABSTRACT

The Texas Parks and Wildlife Department (TPWD) in cooperation with the National Marine Fisheries Service (NMFS) conducts a continuing program to collect data on the commercially harvested finfish and shellfish from Texas bays and from Texas territorial waters of the Gulf of Mexico. Two types of data collection systems were used--Monthly Marine Products Reports (MMPR) and Individual Sales Transactions (IST).

Based on MMPR, compared with September-August 1977-78 data, during September-August 1978-79 red drum (Sciaenops ocellata) increased 5.2% in landings and 26.0% in value; spotted seatrout (Cynoscion nebulosus) increased 4.7% in landings and 34.8% in value. Black drum (Pogonias cromis) decreased 3.7% in landings but increased 7.1% in value. Flounder (Paralichthys lethostigma and P. albiguta) decreased 31.0% in landings and 11.9% in value. Red snapper (family Lutjanidae) decreased 28.6% in landings and 8.3% in value.

From 1977-78 to 1978-79, blue crab (Callinectes sapidus) decreased 9.3% in landings and 2.9% in value. Oyster meat landings decreased 45.4% in landings and 42.8% in value. Brown (Penaeus aztecus) and pink (P. duorarum) shrimp decreased 12.0% in landings but increased 29.5% in value. White shrimp (P. setiferus) decreased 1.7% in landings but increased 37.3% in value.

The price per pound paid to commercial fishermen for blue crabs remained stable from 1977-78 to 1978-79. Prices increased for red drum (20.0%), spotted seatrout (30.2%), flounder (26.2%), red snapper (28.7%), oyster meat (4.2%), brown and pink shrimp (46.3%) and white shrimp (57.0%). The price per pound for black drum decreased (17.8%) during the same period.

Based on IST, during 1 October 1978-30 September 1979, red drum landings from Texas bays and Texas Gulf waters totaled 348,864 kg--54.9% of the 1978-79 quota established by the TPWD Commission. Percent of individual quotas reached ranged from 14.9% for the Gulf of Mexico to 85.4% for Sabine Lake.

## INTRODUCTION

The Texas Parks and Wildlife Department (TPWD) in cooperation with the National Marine Fisheries Service (NMFS) conducts a continuing program to collect data on the commercially harvested finfish and shellfish from Texas bays and from Texas territorial waters of the Gulf of Mexico. The information is computer processed by the TPWD Data Processing Section in Austin, Texas and sent to NMFS in Washington, D. C. for printing in the Texas Landings bulletin.

During October 1978-September 1979 two reporting systems for commercially harvested seafood existed: 1) the Monthly Marine Products Report (MMPR) and 2) the Individual Sales Transactions (IST). Examples of these forms are found in Appendix A. Only those landings reported on MMPR are published in the Texas Landings bulletin.

The IST system was implemented in October 1977 as a result of the Red Drum Conservation Act (Texas Senate Bill 624) passed by the 65th Legislature. This Act reaffirmed the TPWD responsibility for collecting harvest and economic statistics concerning all fishes and set restrictions on both recreational and commercial harvests of red drum. Also, the Act established a special commercial red drum license to be sold only during the month of September. Finally, the Act called for the TPWD Commission to establish a commercial red drum quota for each Texas bay system and for the Gulf of Mexico. During 1 October 1978-30 September 1979, the coastwide red drum quota was set at 0.64 million kg (1.4 million lb). The TPWD Commission must close a particular bay (or the Gulf of Mexico) to commercial red drum fishing when that bay (or the Gulf) has reached 90% (based on the IST system) of its quota.

## MATERIALS AND METHODS

Personnel from the Division of Statistical-Market News, NMFS collected shrimp landings data. TPWD personnel collected landings data on fishes, crabs and oysters.

Seafood dealers must submit MMPR and/or IST to TPWD before the tenth day of each month; both reports cover the preceeding month's transactions. In the past TPWD personnel visited area wholesale seafood dealers each month and collected MMPR and IST; however, beginning on 1 October 1979, these forms must be mailed directly to TPWD. Seafood dealers were informed of this procedural change via letter and personal contact during September 1979.

MMPR and IST were checked by TPWD personnel for accuracy and completeness. Finfish landings were converted from whole (gutted and gilled) to round weights, blue crabs (Callinectes sapidus) to live weight and oysters (Crassostrea virginica) to meat weight (4.0 kg or 8.75 lb per gallon). Heads-off shrimp weights were converted to heads-on weights by multiplying by the following factors: 1.61 for brown shrimp (Penaeus aztecus), 1.60 for pink shrimp (P. duorarum), 1.54 for white shrimp (P. setiferus), 1.80

for royal red shrimp (Hymenopenaeus robustus) and 1.53 for seabob (Xiphopenaeus kreyeri). "Other" finfishes included minor or incidental catches of cobia (Rachycentron canalum); Atlantic croaker (Micropogon undulatus); grouper--including yellowedge grouper (Epinephelus flavolimbatus), jewfish (E. itajaro), Warsaw grouper (E. nigritus), Nassau grouper (E. striatus), black grouper (Mycteroperea bonaci), yellowmouth grouper (M. interstitialis), scamp (M. phenax) and yellowfin grouper (M. venenosa); whiting--including southern kingfish (Menticirrhus americanus) and Gulf kingfish (M. littoralis); mullet (Mugil cephalus); pompano (Trachinotus carolinus); gafftopsail catfish (Bagre marinus) and unclassified food fish. "Other" shrimp included catches of royal red shrimp, seabob and rock shrimp (Sicyonia brevirostris).

## RESULTS

### MMPR

Red drum (Sciaenops ocellata) landings increased 18,600 kg (5.2%) from 1977-78 to 1978-79 with an increase in value of \$132,800 (26.0%) (Table 1). During the same period spotted seatrout (Cynoscion nebulosus) landings increased 23,800 kg (4.7%) with an increase in value of \$245,300 (34.8%). Black drum (Pogonias cromis) landings decreased by 28,300 kg (3.7%) but increased in value by \$40,900 (7.1%). Flounder (includes southern flounder, Paralichthys lethostigma and Gulf flounder, P. albiguta) decreased 41,500 kg (31.0%) in landings and \$21,300 (11.9%) in value. Sheepshead (Archosargus probatocephalus) increased 38,700 (28.1%) in landings and \$13,000 (36.7%) in value. Red snapper (includes red snapper, Lutjanus campechanus, gray snapper, L. griseus, dog snapper, L. jocu, yellowtail snapper, Ocyurus chrysurus and vermillion snapper, Rhomboplites aurorubens) decreased 51,900 kg (28.6%) in landings and \$31,300 (8.3%) in value. "Other" finfishes increased 125,500 kg (296.2%) in landings and \$50,700 (269.7%) in value.

From 1977-78 to 1978-79, blue crab landings decreased 337,500 kg (9.3%) in landings and \$58,400 (2.9%) in value.

Oyster meat landings decreased 459,300 kg (45.4%) from 1977-78 to 1978-79 with a decrease in value of \$1,148,200 (42.8%).

Although all shrimp landings decreased from 1977-78 to 1978-79, values generally increased. Brown and pink shrimp decreased 3,551,900 kg (12.0%) in landings but increased \$28,322,000 (29.5%) in value. White shrimp decreased 160,900 kg (1.7%) in landings but increased \$11,076,600 (37.3%) in value. "Other" shrimp decreased 64,800 kg (46.4%) and \$300,900 (88.6%) in value.

Prices paid to commercial fishermen for blue crabs and "other" finfishes remained relatively stable from 1977-78 to 1978-79 (Table 2). During the same period, the average price increased 20.0% for red drum 30.2% for spotted seatrout, 26.2% for flounder, 28.7% for red snapper, 4.2% for oyster meat, 46.3% for brown and pink shrimp and 57.0% for white shrimp. The average price decreased 17.8% for black drum and 78.4% for "other" shrimp.

Monthly summaries of bay and Gulf landings and values by species are presented in Appendix B, C, D and E.

#### IST Red Drum Landings

During 1 October 1978-30 September 1979, red drum landings totaled 348,864 kg (769,101 lb)--54.9% of the coastwide 0.64 million kg (1.4 million lb) quota set by the TPWD Commission (Table 3). Percent of individual quotas reached ranged from 14.9% for the Gulf of Mexico to 85.4% for Sabine Lake.

#### DISCUSSION

Harvest information has been distributed to TPWD personnel, NMFS, county extension agents, industry, educational institutions and other interested persons for use in biological, ecological, economic, sociological, statistical and historical studies.

It should be pointed out that the Gulf of Mexico shrimp landings at Texas ports as reported to TPWD by the Division of Statistics-Market News, Galveston and listed in Texas Landings may include the harvest of shrimp from the waters of Florida, Louisiana and Mexico as well as those of Texas. In their publication Gulf Coast Shrimp Data, NMFS reports shrimp harvests from "offshore grid areas"; however, the most recent publication of this bulletin occurred in 1976. Once this publication is brought up to date, the Texas Landings will be revised to reflect only those shrimp harvested in Gulf waters off Texas.

In a letter dated 24 September 1979 the Director of the Southeast Fisheries Center, NMFS stated that NMFS will discontinue printing Texas Landings after December 1979. However, NMFS commercial fisheries data collection will continue and the information will remain available in the form of computer printouts on request from the Chief of NMFS' Technical and Information Management Service, Miami, Florida.

The decreases in shrimp landings probably reflect the deleterious effects on shrimp populations of excessive flooding and subsequent fresh-water runoff into the bays. The large decline in oyster landings was the result of TPWD's decision to close Galveston Bay to oystering during the 1978-79 season. This decision came following three years of poor oyster spat set which resulted in only a few large oysters.

A continuing problem with the MMPR and IST systems is the failure to report seafood landings by commercial and sport fishermen who sell directly to consumers and to retail outlets as well as the failure of some wholesale seafood dealers to report all or part of their seafood purchases. Such practices contribute to the inability of TPWD to obtain accurate data on commercially harvested seafood. In order to reduce non-reporting, TPWD personnel have personally contacted fishermen, seafood truckers, retail and wholesale outlets and others who buy and sell fish to urge them to submit MMPR and IST. In addition, TPWD personnel have begun to submit monthly reports to TPWD law enforcement personnel concerning the business

names and addresses of wholesale seafood dealers who fail to submit MMRP and/or IST. Law enforcement personnel are then able to contact such businesses and compel them to submit these reports.

At the present time, sales of blue crabs, oysters and shrimp are required only on the MMRP, not on the IST. Recently there has been some discussion about eliminating the MMRP for finfish and using only the IST. It may be possible in the future to include crabs, oysters and shrimp on IST, eliminating the MMRP altogether.

Table 1. Texas commercial finfish and shellfish landings for fiscal years 1977-78 and 1978-79---  
September-August (kg, lb and value in dollars x 1000). Data based on MMPR.

Species	1977-78		1978-79		% Difference	
	kg	lb.	kg	lb	value	value
Red drum	355.8	784.4	510.9	825.3	643.7	+ 5.2 + 26.0
Spotted seatrout	504.1	1,111.4	704.9	1,163.9	950.2	+ 4.7 + 34.8
Black drum	780.1	1,719.9	576.1	1,656.7	617.0	- 3.7 + 7.1
Flounder	133.8	294.9	178.9	203.5	157.6	- 31.0 - 11.9
Sheepshead	137.6	303.3	35.4	388.6	48.4	+ 28.1 + 36.7
Red snapper	181.4	400.0	375.9	285.5	344.6	- 28.6 - 8.3
Other finfishes	42.5	93.6	18.8	370.3	69.5	+296.2 +269.7
Blue crabs	3,632.6	8,008.5	2,044.5	7,264.4	1,986.1	- 9.3 - 2.9
Oyster meat	1,012.5	2,232.1	2,633.6	1,219.5	1,505.4	- 45.4 - 42.8
Shrimp (heads-on)						
Brown and pink	29,673.3	65,419.8	96,750.9	57,587.9	125,272.9	- 12.0 + 29.5
White	9,374.5	20,667.3	29,701.8	20,312.4	40,778.4	- 1.7 + 37.3
Other shrimp	139.3	307.2	339.7	164.7	38.8	- 46.4 - 88.6



Table 2. Price (in dollars) paid commercial fishermen for finfish and shellfish landed during fiscal years 1977-78 and 1978-79 (September-August). Data based on MPR.

Species	1977-78			1978-79				
	price/kg		price/lb	price/kg		price/lb		
	range	mean	range	range	mean	range		
Red drum	1.10-2.54	1.43	0.50-1.15	0.65	1.10-2.98	1.72	0.50-1.35	0.78
Spotted seatrout	0.88-2.54	1.39	0.40-1.15	0.63	1.10-2.65	1.81	0.50-1.20	0.82
Black drum	0.55-1.43	0.99	0.25-0.65	0.45	0.66-1.43	0.82	0.30-0.65	0.37
Flounder	0.49-2.43	1.35	0.22-1.10	0.61	0.88-2.87	1.70	0.40-1.30	0.77
Sheepshead	0.11-0.77	0.26	0.05-0.35	0.12	0.11-0.77	0.26	0.05-0.35	0.12
Red snapper	0.99-2.87	2.07	0.45-1.30	0.94	1.87-2.64	2.67	0.85-1.65	1.21
Other finfishes	0.22-0.77	0.44	0.10-0.35	0.20	0.11-1.43	0.46	0.05-0.65	0.21
Blue crabs	0.35-0.77	0.57	0.16-0.35	0.26	0.37-0.77	0.60	0.17-0.35	0.27
Oyster meat	1.87-2.76	2.60	0.85-1.25	1.18	2.23-2.76	2.71	1.01-1.25	1.23
Shrimp (heads-on)								
Brown and pink	1.87-6.84	3.29	0.85-3.10	1.49	1.43-7.17	4.81	0.65-3.25	2.18
White	0.99-6.90	3.18	0.45-2.95	1.44	1.98-6.90	4.43	0.90-2.95	2.01
Other shrimp	1.87-6.17	2.45	0.85-2.80	1.11	0.44-0.57	0.53	0.20-0.26	0.24

Table 3. Red drum landings and percent of quota reached in each bay system and in the Gulf of Mexico during 1 October 1978-30 September 1979. Data based on IST.

System	1978-79 Quota		1978-79 Harvest		% of Quota Reached
	kg	lb	kg	lb	
Sabine Lake	635	1,400	543	1,196	85.4
Galveston Bay	24,957	55,020	9,581	21,123	38.4
Matagorda Bay	21,210	46,760	12,551	27,669	59.1
San Antonio Bay	39,245	86,520	17,252	38,034	44.0
Aransas Bay	118,181	260,540	42,872	94,514	36.3
Corpus Christi Bay	54,105	119,280	30,740	67,769	56.8
Upper Laguna Madre	97,733	215,460	37,984	83,738	38.7
Lower Laguna Madre	246,967	544,460	192,587	424,575	78.0
Gulf of Mexico	32,006	70,560	4,755	10,483	14.9
Total	635,040	1,400,000	348,864	769,101	54.9

Appendix A. Examples of Monthly Marine Products Reports (MMPR) form  
and Individual Sales Transactions (IST) form.



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

**INDIVIDUAL SALES TRANSACTION**

-  -  DATE OF SALE  
 MONTH DAY YEAR

**1** - **9001**  
 FORM NO.

FISHERMAN'S NAME

BUSINESS NAME

COMMERCIAL LICENSE NO.

COMMERCIAL LICENSE NO.

RED DRUM LICENSE NO.

RED DRUM LICENSE NO.

BAY OR GULF WHERE FISH WERE TAKEN:  
 CIRCLE ONLY ONE AREA CODE - SEE MAP ON FOLDER

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

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

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

Appendix B. Weight (lb) of each species of finfish landed in Texas bays during September 1978-August 1979.

Table 1. Weight (lb) of each species of finfish landed in Sabine Lake during September 1978-August 1979. Data based on MMPR.

	Red Drum	Spotted Seatrout	Black Drum	Sand Seatrout	Flounder	Atlantic Croaker	Gafftopsail Catfish	Sheepshead	Mullet	Pompano	Unclassified Food	Unclassified Scrap	Total Finfish
Sept. 78	0	0	0	0	0	0	0	0	0	0	0	0	0
Oct.	0	0	0	0	0	0	0	0	0	0	0	0	0
Nov.	0	0	0	0	0	0	0	0	0	0	0	0	0
Dec.	0	0	0	0	0	0	0	0	0	0	0	0	0
Jan. 79	0	0	0	0	0	0	0	0	0	0	0	0	0
Feb.	0	0	0	0	0	0	0	0	0	0	0	0	0
Mar.	34	0	0	0	16	0	0	11	0	0	16	48	125
Apr.	0	0	0	0	0	0	0	106	36	0	0	0	142
May	0	0	0	0	0	0	0	0	0	0	0	0	0
June	0	0	0	0	0	0	0	0	0	0	0	0	0
July	83	0	0	0	10	0	0	0	0	0	15	0	108
Aug.	43	0	0	0	0	0	0	0	0	0	0	0	43
Annual Total	160	0	0	0	26	0	0	117	36	0	31	48	418

Table 2. Weight (lb) of each species of finfish landed in Galveston Bay during September 1978-August 1979. Data based on MMPR.

	Red Drum	Spotted Seatrout	Black Drum	Sand Seatrout	Flounder	Atlantic Croaker	Gafftopsail Catfish	Sheepshead	Mullet	Pompano	Unclassified Food	Unclassified Scrap	Total Finfish
Sept. 78	361	2,450	6,599	1,995	2,292	3,202	865	2,641	1,182	0	8,083	3	29,673
Oct.	1,369	12,705	10,565	368	12,605	858	2,053	3,901	192	19	11,797	17,327	73,759
Nov.	2,396	21,720	6,853	829	25,886	661	16	5,621	195	0	9,293	2,772	76,242
Dec.	2,781	12,424	6,435	136	3,899	201	0	3,097	15	0	4,345	0	33,333
Jan. 79	1,718	36,200	7,889	0	894	125	0	9,498	48	0	3,529	0	58,901
Feb.	1,128	20,310	11,300	87	318	270	46	18,741	0	0	510	1,440	54,150
Mar.	943	7,201	8,155	0	538	0	851	1,922	193	0	4,200	0	24,003
Apr.	479	7,553	4,115	0	2,253	1,400	8,997	19,870	44,850	0	7,944	54	97,515
May	409	6,578	4,784	0	2,219	553	8,518	7,244	52	0	1,095	19,267	50,719
June	1,887	8,064	5,718	11	973	807	97	2,361	918	0	1,041	4,834	26,711
July	7,121	7,126	111	0	551	733	123	1,107	54	0	1,135	5,434	23,495
Aug.	2,159	4,139	8,602	138	2,057	1,656	514	2,740	154	0	1,631	3,694	27,484
Annual Total	22,751	146,470	81,126	3,564	54,485	10,466	22,080	78,743	47,853	19	53,603	54,825	575,985



Table 3. Weight (lb) of each species of finfish landed in Matagorda Bay during September 1978-August 1979. Data based on MMPR.

	Red Drum	Spotted Seatrout	Black Drum	Sand Seatrout	Flounder	Atlantic Croaker	Gafftopsail Catfish	Sheepshead	Mullet	Pompano	Unclassified Food	Unclassified Scrap	Total Finfish
Sept. 78	628	0	290	0	1,734	0	80	0	0	0	0	0	2,732
Oct.	2,672	3,383	2,434	0	2,409	0	14	1,303	30	0	3	0	12,248
Nov.	2,698	3,364	2,756	0	5,700	0	0	208	0	0	76	0	14,802
Dec.	2,382	4,079	2,103	0	311	0	0	312	0	0	0	0	9,187
Jan. 79	1,609	821	1,107	0	261	0	0	78	0	0	0	0	3,916
Feb.	5,169	6,306	3,259	9	532	0	0	900	0	0	0	0	16,166
Mar.	1,568	557	654	0	447	0	0	629	0	0	0	0	3,855
Apr.	1,540	5,213	752	0	666	0	238	137	0	0	0	0	8,546
May	497	520	909	0	590	0	629	78	0	0	0	0	3,223
June	510	177	164	0	640	0	0	0	59	0	0	0	1,550
July	159	0	59	0	914	0	0	0	0	0	0	0	1,145
Aug.	813	366	148	188	781	0	0	0	66	0	0	0	2,362
Annual Total	20,245	24,786	14,635	188	14,985	0	961	3,658	195	0	79	0	79,732

Table 4. Weight (lb) of each species of finfish landed in East Matagorda Bay during September 1978-August 1979. Data based on MMPR.

	Red Drum	Spotted Seatrout	Black Drum	Sand Seatrout	Flounder	Atlantic Croaker	Gafftopsail Catfish	Sheepshead	Mullet	Pompano	Unclassified Food	Unclassified Scrap	Total Finfish
Sept. 78	0	0	0	0	0	0	0	0	0	0	0	0	0
Oct.	1,250	2,011	1,477	0	1,258	0	0	0	0	0	0	847	6,843
Nov.	114	1,913	1,023	3	183	0	0	4	0	0	0	0	3,240
Dec.	828	5,063	1,812	0	0	0	0	0	0	0	0	0	7,703
Jan. 79	636	1,263	239	0	4	0	0	60	0	0	0	0	2,202
Feb.	784	1,737	2,680	0	5	0	0	0	0	0	0	0	5,206
Mar.	708	1,351	1,427	0	181	0	0	0	0	0	0	0	3,667
Apr.	294	344	1,228	0	337	0	60	171	0	0	0	0	2,434
May	135	308	183	0	45	0	0	0	0	0	0	0	671
June	914	467	181	0	89	0	149	347	0	0	0	0	2,147
July	325	83	100	0	19	0	0	624	0	0	0	0	1,151
Aug.	222	402	68	329	43	0	0	0	0	0	0	0	1,064
Annual Total	6,210	14,942	10,418	332	2,164	0	209	1,206	0	0	0	847	36,328

Table 5. Weight (lb) of each species of finfish landed in San Antonio Bay during September 1978-August 1979. Data based on MPR.

	Red Drum	Spotted Seatrout	Black Drum	Sand Seatrout	Flounder	Atlantic Croaker	Gafftopsail Catfish	Sheepshead	Mullet	Pompano	Unclassified Food	Unclassified Scrap	Total Finfish
Sept. 78	6,680	559	3,599	0	1,433	0	0	1,659	22	0	0	0	13,952
Oct.	3,129	985	2,430	0	1,143	0	54	546	17	0	0	0	8,304
Nov.	3,004	3,914	2,205	0	2,461	0	0	1,667	51	0	0	0	13,302
Dec.	2,184	3,078	827	0	228	0	0	438	0	0	0	0	6,755
Jan. 79	3,549	2,258	2,106	0	5	0	0	13	0	0	0	0	7,931
Feb.	782	1,243	227	0	0	0	0	0	0	0	0	0	2,152
Mar.	3,665	1,278	1,622	0	0	0	0	213	0	0	0	0	6,778
Apr.	1,578	1,113	1,061	0	70	0	126	462	0	0	0	0	4,410
May	1,194	2,443	382	0	15	0	6	938	0	0	0	0	4,978
June	7,618	4,638	833	0	1,855	0	0	905	0	0	0	0	15,849
July	4,351	977	568	0	158	0	0	1,108	0	0	0	0	7,162
Aug.	7,248	1,041	42	0	246	0	111	972	0	0	0	0	9,660
Annual Total	44,882	23,527	15,902	0	7,614	0	297	8,921	90	0	0	0	101,233

Table 6. Weight (lb) of each species of finfish landed in Aransas Bay during September 1978-August 1979. Data based on MPR.

	Red Drum	Spotted Seatrout	Black Drum	Sand Seatrout	Flounder	Atlantic Croaker	Gafftopsail Catfish	Sheepshead	Mullet	Pompano	Unclassified Food	Unclassified Scrap	Total Finfish
Sept. 78	8,084	4,586	6,874	0	1,752	2,015	395	707	18	9	29	0	24,469
Oct.	15,792	6,247	5,462	0	6,018	574	1,115	1,429	719	0	14	0	37,370
Nov.	19,761	8,063	5,328	0	18,154	174	0	2,239	198	0	0	0	53,917
Dec.	13,379	9,793	4,834	0	2,535	0	0	1,471	0	0	0	0	32,012
Jan. 79	8,463	19,035	3,541	0	1,117	0	0	2,690	723	0	0	0	35,569
Feb.	4,240	4,521	3,128	0	47	0	0	3,722	0	0	0	0	15,658
Mar.	4,257	5,845	803	70	396	0	203	5,766	0	0	40	0	17,380
Apr.	4,843	9,496	1,943	0	214	0	464	333	0	0	14	0	17,307
May	4,915	16,819	1,275	259	550	47	612	430	131	0	0	0	25,038
June	6,547	15,647	1,779	0	3,556	0	489	1,007	81	104	0	0	29,300
July	5,451	8,153	1,643	0	1,014	0	647	289	116	42	0	71	17,426
Aug.	7,044	6,730	3,270	0	3,165	0	1,042	2,036	0	0	0	110	23,397
Annual Total	102,776	114,935	39,880	329	38,518	2,810	4,967	22,119	1,986	245	97	181	328,843

Table 7. Weight (lb) of each species of finfish landed in Corpus Christi Bay during September 1978-August 1979. Data based on MPR.

	Red Drum	Spotted Seatrout	Black Drum	Sand Seatrout	Flounder	Atlantic Croaker	Catfish	Sheepshead	Mullet	Pompano	Unclassified Food	Unclassified Scrap	Total Finfish
Sept. 78	6,555	5,170	17,722	0	3,436	1,044	1,774	6,950	0	0	315	0	42,966
Oct.	6,712	13,707	40,708	0	6,534	399	2,002	7,250	0	16	0	0	77,328
Nov.	8,007	5,087	20,392	0	13,773	177	80	9,775	0	0	574	0	57,865
Dec.	10,964	22,846	28,715	0	5,379	0	0	10,019	0	0	0	0	77,923
Jan. 79	9,967	35,060	38,728	192	1,746	0	0	46,634	24,182	0	21,846	0	178,355
Feb.	4,694	15,058	51,382	468	873	0	0	28,694	9,333	0	11,442	0	121,944
Mar.	5,603	14,838	116,332	465	1,005	0	4,896	54,186	1,035	22	8,076	0	206,458
Apr.	7,648	22,586	16,472	122	796	71	2,417	2,635	125	0	0	0	52,872
May	2,396	8,805	13,440	0	1,093	0	68	2,746	0	0	0	0	28,548
June	3,381	10,782	17,416	0	1,336	31	17	2,110	0	0	0	0	35,073
July	1,638	6,346	20,205	0	1,056	0	14	1,695	0	0	0	0	30,954
Aug.	2,466	7,537	23,617	0	1,923	0	12	1,955	0	2	0	0	37,512
Annual Total	70,031	167,822	405,129	1,247	38,950	1,722	11,280	174,649	34,675	40	42,253	0	947,798

Table 8. Weight (lb) of each species of finfish landed in upper Laguna Madre during September 1978-August 1979. Data based on MPR.

	Red Drum	Spotted Seatrout	Black Drum	Sand Seatrout	Flounder	Atlantic Croaker	Gafftopsail Catfish	Sheepshead	Mullet	Pompano	Unclassified Food	Unclassified Scrap	Total Finfish
Sept. 78	9,231	10,751	62,347	0	230	149	2	733	0	0	0	0	83,433
Oct.	10,922	13,270	50,399	0	276	2	0	579	0	8	0	0	75,456
Nov.	6,836	11,898	22,720	0	889	0	0	1,615	0	20	0	0	43,978
Dec.	8,124	11,142	43,848	0	339	16	0	9,997	2,337	0	0	0	75,803
Jan. 79	10,331	11,313	58,968	0	19	0	0	2,232	0	0	0	0	82,863
Feb.	6,035	5,931	57,537	63	141	0	0	2,776	0	0	0	0	72,483
Mar.	2,858	12,311	93,696	0	114	0	0	2,148	0	0	0	0	111,127
Apr.	2,175	11,625	111,943	0	244	5	23	3,437	0	0	0	0	129,452
May	8,602	7,134	58,831	0	65	26	19	1,557	0	0	0	0	76,234
June	12,602	30,210	21,651	0	289	34	0	1,499	0	59	0	0	66,344
July	8,393	22,847	21,896	0	1,035	7	11	2,692	0	0	0	0	56,881
Aug.	6,678	10,075	28,204	1,118	334	34	12	1,881	0	30	0	0	48,366
Annual Total	92,787	158,507	632,040	1,181	3,975	273	67	31,146	2,337	117	0	0	922,430

Table 9. Weight (lb) of each species of finfish landed in lower Laguna Madre during September 1978-August 1979. Data based on MMPR.

	Red Drum	Spotted Seatrout	Black Drum	Sand Seatrout	Flounder	Atlantic Croaker	Gafftopsail Catfish	Sheepshead	Mullet	Pompano	Unclassified Food	Unclassified Scrap	Total Finfish
Sept. 78	51,241	35,461	8,971	0	1,670	399	4,760	0	0	23	436	0	102,961
Oct.	64,894	43,663	26,780	0	258	1,148	0	885	0	17	102	21	137,768
Nov.	48,846	26,041	19,948	0	3,998	2,060	0	511	0	0	401	0	101,805
Dec.	65,401	26,766	75,841	0	2,475	235	0	20,667	0	0	0	0	191,385
Jan. 79	62,911	23,206	134,769	0	104	0	0	9,776	0	0	0	0	230,766
Feb.	28,451	23,268	66,724	0	457	0	0	9,489	0	0	1,975	0	130,364
Mar.	20,186	28,021	35,076	0	556	0	0	6,699	0	0	0	0	90,538
Apr.	18,366	33,327	12,907	0	72	0	0	546	0	0	0	0	65,218
May	21,401	34,186	7,668	4,610	599	6	0	198	0	0	23	0	68,691
June	30,203	51,860	8,222	0	835	51	0	133	0	0	428	0	91,732
July	19,890	45,910	10,453	0	690	350	0	95	0	0	70	119	77,577
Aug.	22,106	22,829	23,256	0	1,026	686	155	291	0	0	0	0	70,349
Annual Total	453,896	394,538	430,615	4,610	12,740	4,935	4,915	47,290	0	40	3,435	140	1,359,154

Appendix C. Weight (lb) of each species of shellfish landed in Texas bays during September 1978-August 1979.



Table 1. Weight (lb) of each species of shellfish landed in Sabine Lake during September 1978-August 1979. Data based on MMPR.

	Blue crabs	Oyster meat	Brown and pink shrimp	White shrimp	Other shrimp	Total shellfish
Sept. 78	10,435	0	0	2,082	0	12,517
Oct.	39,928	0	0	0	0	39,928
Nov.	78,664	0	0	669	0	79,333
Dec.	23,954	0	0	12	0	23,966
Jan. 79	1,245	0	0	0	0	1,245
Feb.	0	0	0	0	0	0
Mar.	34,550	0	0	0	0	34,550
Apr.	27,343	0	0	0	0	27,343
May	27,565	0	0	0	0	27,565
June	35,222	0	0	0	0	35,222
July	17,185	0	0	0	0	17,185
Aug.	1,170	0	0	0	0	1,170
Annual total	297,261	0	0	2,763	0	300,024

Table 2. Weight (lb) of each species of shellfish landed in Galveston Bay during September 1978-August 1979. Data based on MMPR.

	Blue crabs	Oyster meat	Brown and pink shrimp	White shrimp	Other shrimp	Total shellfish
Sept. 78	244,304	64,965	502	1,010,417	0	1,320,188
Oct.	194,682	8,003	0	823,544	0	1,026,229
Nov.	42,057	13,346	0	644,054	0	699,457
Dec.	21,094	5,915	0	90,780	0	117,789
Jan. 79	655	0	0	609	0	1,264
Feb.	1,940	0	0	492	0	2,432
Mar.	70,567	1,572	0	8,504	0	80,643
Apr.	222,823	788	0	30,158	0	253,769
May	185,658	0	73,786	19,177	0	278,621
June	331,057	0	501,918	14,832	0	847,807
July	279,190	0	484,994	11,812	0	775,996
Aug.	262,438	0	240,225	494,747	0	997,410
Annual total	1,856,465	94,589	1,301,425	3,149,126	0	6,401,605

Table 3. Weight (lb) of each species of shellfish landed in Matagorda Bay during September 1978–August 1979. Data based on MMPR.

	Blue crabs	Oyster meat	Brown and pink shrimp	White shrimp	Other shrimp	Total shellfish
Sept. 78	59,413	0	765,149	0	0	824,562
Oct.	34,180	0	0	840,110	0	874,290
Nov.	33,132	11,078	0	311,991	0	356,201
Dec.	22,760	8,750	0	160,969	0	192,479
Jan. 79	713	9,765	0	10,467	0	20,945
Feb.	14,130	28,324	0	0	0	42,454
Mar.	46,800	44,100	0	0	0	90,900
Apr.	63,630	43,500	7,502	44,474	0	159,106
May	109,011	0	526,974	39,805	0	675,790
June	19,251	0	1,319,402	29,603	0	1,368,256
July	122,297	0	489,805	1,924	0	614,026
Aug.	145,840	0	0	1,080,943	0	1,226,783
Annual total	671,157	145,517	3,108,832	2,520,286	0	6,445,792

Table 4. Weight (lb) of each species of shellfish landed in East Matagorda Bay during September 1978–August 1979. Data based on MMPR.

	Blue crabs	Oyster meat	Brown and pink shrimp	White shrimp	Other shrimp	Total shellfish
Sept. 78	0	0	0	0	0	0
Oct.	16,970	0	0	0	0	16,970
Nov.	12,992	0	0	0	0	12,992
Dec.	0	0	0	0	0	0
Jan. 79	0	0	0	0	0	0
Feb.	4,228	15,225	0	0	0	19,453
Mar.	0	9,940	0	0	0	9,940
Apr.	0	0	0	0	0	0
May	0	0	0	0	0	0
June	133,431	0	0	0	0	133,431
July	0	0	0	0	0	0
Aug.	0	0	0	0	0	0
Annual total	167,621	25,165	0	0	0	192,786

Table 5. Weight (lb) of each species of shellfish landed in San Antonio Bay during September 1978-August 1979. Data based on MMPR.

	Blue crabs	Oyster meat	Brown and pink shrimp	White shrimp	Other shrimp	Total shellfish
Sept. 78	212,183	0	0	152,922	0	365,105
Oct.	239,618	0	0	151,121	0	390,739
Nov.	189,756	23,994	0	70,619	0	284,369
Dec.	153,154	159,296	0	1,477	0	313,927
Jan. 79	21,762	140,063	0	0	0	161,825
Feb.	50,567	334,926	0	0	0	385,493
Mar.	77,486	73,248	0	0	0	150,734
Apr.	83,630	82,784	0	22,228	0	188,642
May	314,727	0	305,500	2,927	0	623,154
June	342,421	0	376,625	166	0	719,212
July	350,152	0	51,774	238	0	402,164
Aug.	438,550	0	0	296,704	0	735,254
Annual total	2,474,006	814,311	733,899	698,402	0	4,720,618

Table 6. Weight (lb) of each species of shellfish landed in Aransas Bay during September 1978-August 1979. Data based on MMPR.

	Blue crabs	Oyster meat	Brown and pink shrimp	White shrimp	Other shrimp	Total shellfish
Sept. 78	182,257	0	7,016	176,692	0	365,965
Oct.	214,279	0	5,422	307,481	0	527,182
Nov.	179,752	33,810	621	276,802	0	490,985
Dec.	123,268	14,640	0	57,495	0	195,403
Jan. 79	26,307	19,040	0	0	0	45,347
Feb.	58,675	26,600	0	0	0	85,275
Mar.	102,105	33,057	14,750	0	0	149,912
Apr.	110,905	10,037	21,516	1,215	0	143,673
May	147,912	0	443,960	2,379	0	594,251
June	229,684	0	686,776	574	0	917,034
July	201,903	0	255,241	0	0	457,144
Aug.	93,108	0	0	369,843	0	462,951
Annual total	1,670,155	137,184	1,435,302	1,192,481	0	4,435,122

Table 7. Weight (lb) of each species of shellfish landed in Corpus Christi Bay during September 1978-August 1979. Data based on MMPR.

	Blue crabs	Oyster meat	Brown and pink shrimp	White shrimp	Other shrimp	Total shellfish
Sept. 78	0	0	1,518	138,988	0	140,506
Oct.	1,122	0	6,202	134,161	0	141,485
Nov.	90	0	2,022	126,044	0	128,156
Dec.	0	0	0	22,311	0	22,311
Jan. 79	0	0	0	297	0	297
Feb.	0	0	0	72	0	72
Mar.	0	0	6,956	0	0	6,956
Apr.	0	0	96,995	29,668	0	126,663
May	1,968	0	470,808	3,932	0	476,708
June	1,400	0	472,697	62	0	474,159
July	0	0	108,557	255	0	108,812
Aug.	0	0	423	258,966	0	259,389
Annual total	4,580	0	1,166,178	714,756	0	1,885,514

Table 8. Weight (lb) of each species of shellfish landed in upper Laguna Madre during September 1978-August 1979. Data based on MMPR.

	Blue crabs	Oyster meat	Brown and pink shrimp	White shrimp	Other shrimp	Total shellfish
Sept. 78	1,182	0	0	0	0	1,182
Oct.	0	0	0	0	0	0
Nov.	1,286	0	0	0	0	1,286
Dec.	0	0	0	0	0	0
Jan. 79	0	0	0	0	0	0
Feb.	0	0	0	0	0	0
Mar.	385	0	0	0	0	385
Apr.	1,420	0	0	0	0	1,420
May	0	0	0	0	0	0
June	0	0	0	0	0	0
July	1,600	0	0	0	0	1,600
Aug.	1,400	0	0	0	0	1,400
Annual total	7,273	0	0	0	0	7,273

Table 9. Weight (lb) of each species of shellfish landed in lower Laguna Madre during September 1978-August 1979. Data based on MMRP.

	Blue crabs	Oyster meat	Brown and pink shrimp	White shrimp	Other shrimp	Total shellfish
Sept. 78	18,182	245	0	0	0	18,427
Oct.	11,320	263	0	0	0	11,583
Nov.	0	245	0	0	0	245
Dec.	3,401	70	0	0	0	3,471
Jan. 79	8,223	551	0	0	0	8,774
Feb.	10,580	105	0	0	0	10,685
Mar.	18,057	490	0	0	0	18,547
Apr.	13,072	266	0	0	0	13,338
May	4,403	551	0	0	0	4,954
June	6,134	0	0	0	0	6,134
July	9,115	0	0	0	0	9,115
Aug.	12,833	0	0	0	0	12,833
Annual total	115,320	2,786	0	0	0	118,106

Appendix D. Texas bay and Gulf of Mexico total landings (lb) of marine products during September 1978-August 1979.

Table 1. Texas bay total landings (lb) of marine products during September 1978-August 1979. Data based on MMPR.

	Sept. 78	Oct.	Nov.	Dec.	Jan. 79	Feb.	Mar.	Apr.	May	June	July	Aug.	Annual total
Red drum	82,780	106,740	91,622	106,043	99,184	51,183	39,822	36,923	39,549	63,662	47,411	48,779	813,738
Spotted seatrout	58,977	95,971	82,000	95,191	129,156	78,374	71,402	91,257	76,793	121,845	91,442	53,119	1,045,527
Black drum	106,402	140,255	81,225	164,415	247,347	196,237	257,765	150,421	87,472	55,964	55,035	87,207	1,629,745
Sand seatrout	1,995	368	832	136	192	618	535	122	4,869	11	0	1,773	11,451
Flounder	12,547	30,501	71,044	15,166	4,150	2,373	3,253	4,652	5,176	9,573	5,447	9,575	173,457
Atlantic croaker	6,809	2,981	3,072	452	125	270	0	1,476	632	923	1,090	2,376	20,206
Gafftopsail catfish	7,876	5,238	96	0	0	46	5,950	12,325	9,852	752	795	1,846	44,776
Sheepshead	12,690	15,893	21,640	46,000	70,981	64,322	71,574	27,697	13,191	8,362	7,623	9,875	369,848
Mullet	1,222	958	444	2,352	24,993	9,333	1,228	45,011	183	1,058	170	220	87,172
Pompano	32	60	20	0	0	0	22	0	0	253	42	32	461
Unclassified food	8,863	11,916	10,344	4,345	24,375	13,927	12,332	7,958	1,118	1,469	1,220	1,631	99,498
Unclassified scrap	3	18,195	2,772	0	0	1,440	48	54	19,267	4,834	5,624	3,804	56,041
Total finfish	300,196	429,076	365,151	434,101	600,503	418,123	463,931	377,896	258,102	268,706	215,899	220,237	4,351,920
Blue crabs	726,774	752,099	537,729	347,631	58,905	140,120	349,950	522,823	791,244	1,098,600	981,442	955,339	7,262,656
Oyster meat	65,210	8,266	82,473	188,671	169,419	405,180	162,407	137,375	551	0	0	0	1,219,552
Brown and pink shrimp	774,185	11,624	2,643	0	0	0	21,706	126,013	1,821,028	3,357,418	1,390,371	240,648	7,745,636
White shrimp	1,481,101	2,256,417	1,430,179	333,044	11,373	564	8,504	127,743	68,200	45,237	141,229	2,501,203	8,404,814
Other shrimp	0	0	0	0	0	0	0	0	0	0	0	0	0
Total shellfish	3,047,270	3,028,406	2,053,024	869,346	239,697	545,864	542,567	913,954	2,681,043	4,501,255	2,513,042	3,697,190	24,632,658

Table 2. Texas Gulf of Mexico total landings (lb) of marine products during September 1978-August 1979. Data based on MMPR.

	Sept. 78	Oct.	Nov.	Dec.	Jan. 79	Feb.	Mar.	Apr.	May	June	July	Aug.	Annual total
Red drum	534	807	659	1,268	1,919	4,217	1,451	232	56	561	0	86	11,790
Spotted seatrout	0	1,327	1,603	2,729	26,674	17,764	882	2,000	25,162	16,678	10,242	13,326	118,387
Black drum	0	116	2,367	604	2,533	11,454	4,469	3,688	433	193	62	0	25,919
Sand seatrout	0	0	0	0	0	0	0	0	0	0	0	0	0
Flounder	1,844	2,677	10,769	4,761	863	2,663	879	298	1,097	1,059	834	2,305	30,049
Atlantic croaker	0	5,383	66	1,273	372	0	48	566	0	0	798	741	9,247
Gafftopsail catfish	1,062	3,378	5,895	0	0	0	0	94	255	0	0	0	10,684
Sheepshead	9	150	701	971	9,395	598	1,939	2,219	2,293	218	78	148	18,719
Mullet	0	15	0	2,399	15,136	10,876	0	54	0	73	0	0	28,553
Pompano	28	171	11	141	7	44	20	105	3	0	19	7	556
Unclassified food	1,218	5,138	1,431	102	5,537	3,738	5,192	1,341	3,237	1,076	235	6,346	34,591
Unclassified scrap	0	0	480	0	38	0	18,652	341	0	4,709	0	15,263	39,483
Cobia	188	52	493	391	19	33	0	0	809	2,116	1,878	2,367	8,346
Grouper	597	484	298	42	1,378	745	2,641	1,473	3,103	675	1,655	1,277	14,368
Whiting	210	1,910	3,037	1,563	460	632	2,193	414	207	0	445	505	11,576
Red snapper	15,114	39,123	35,467	18,962	5,263	10,198	39,362	41,998	28,156	15,446	14,306	22,145	285,540
Total finfish	20,804	60,731	63,277	35,206	69,594	62,962	77,728	54,823	64,811	42,804	30,552	64,516	647,808
Blue crabs	0	180	0	0	0	417	0	0	0	0	0	0	597
Brown and pink shrimp	7,707,825	4,319,843	4,493,335	3,313,593	1,839,748	2,111,944	1,639,749	1,663,408	2,050,911	4,723,207	8,008,550	7,972,125	49,844,238
White shrimp	2,069,724	3,813,705	2,616,217	989,542	245,668	220,589	304,041	397,970	583,878	405,276	267,656	170,361	12,084,627
Other shrimp	0	0	28,341	113,073	17,835	0	1,837	0	0	3,456	203	0	164,745
Total shellfish	9,777,549	8,133,728	7,137,893	4,416,208	2,103,251	2,332,950	1,945,627	2,061,378	2,634,789	5,131,939	8,276,409	8,142,486	62,094,207



Appendix E. Ex-vessel value (in dollars) of Texas bay and Gulf of Mexico landings of marine products during September 1978-August 1979.

Table 1. Ex-vessel value (in dollars) of Texas bay landings of marine products during September 1978-August 1979. Data based on MMPR.

	Sept. 78	Oct.	Nov.	Dec.	Jan. 79	Feb.	Mar.	Apr.	May	June	July	Aug.	Annual total
Red drum	63,458	82,868	71,514	65,605	63,989	36,755	34,420	31,495	35,624	58,976	43,408	46,451	634,563
Spotted seatrout	45,510	75,138	17,133	58,907	82,122	56,536	59,867	80,977	69,602	113,301	88,997	51,240	799,330
Black drum	48,778	59,369	29,843	45,069	65,140	64,184	92,429	66,320	42,128	25,566	27,768	41,764	608,358
Sand seatrout	1,696	133	211	21	19	116	163	18	4,432	2	0	1,409	8,220
Flounder	10,345	25,194	57,212	9,154	2,782	1,758	2,695	3,815	4,798	8,973	5,200	8,801	140,727
Atlantic croaker	573	388	280	35	22	28	0	80	127	185	182	357	2,257
Gafftopsail catfish	3,450	1,123	14	0	0	9	1,120	2,862	1,871	255	233	485	11,422
Sheepshead	1,414	2,461	3,131	4,499	7,101	7,153	8,557	3,428	2,266	1,842	1,605	1,825	45,282
Mullet	84	109	47	214	1,651	933	71	4,501	34	357	28	46	8,075
Pompano	31	44	14	0	0	0	21	0	0	243	44	35	432
Unclassified food	1,670	2,360	1,939	937	2,084	2,762	2,912	1,740	400	242	265	322	17,633
Unclassified scrap	0	3,697	138	0	0	216	4	3	1,541	489	563	361	7,012
Total finfish	177,009	252,884	181,476	184,441	224,910	170,450	202,259	195,239	162,823	210,431	168,293	153,096	2,283,311
Blue crabs	190,691	225,221	139,239	94,435	16,163	38,367	104,676	153,951	229,849	301,703	262,832	228,812	1,985,939
Oyster meat	87,768	11,057	99,341	304,192	210,276	431,093	201,195	159,822	625	0	0	0	1,505,369
Brown and pink shrimp	1,140,802	13,140	2,715	0	0	0	21,109	183,591	1,355,319	2,760,451	1,238,884	272,991	6,989,002
White shrimp	2,402,044	3,150,677	1,366,793	165,728	3,424	564	10,575	225,259	197,962	156,735	24,214	3,617,726	11,321,701
Other shrimp	0	0	0	0	0	0	0	0	0	0	0	0	0
Total shellfish	3,821,305	3,400,095	1,608,088	564,355	229,863	470,024	337,555	722,623	1,783,755	3,218,889	1,525,930	4,119,529	21,802,011

Table 2. Ex-vessel value (in dollars) of Texas Gulf of Mexico landings of marine products during September 1978-August 1979. Data based on MMRP.

	Sept. 78	Oct.	Nov.	Dec.	Jan. 79	Feb.	Mar.	Apr.	May	June	July	Aug.	Annual total
Red drum	454	542	518	724	1,476	3,165	1,089	223	54	505	0	52	8,802
Spotted seatrout	0	1,130	1,537	1,835	17,654	13,957	655	1,900	22,129	15,812	10,584	13,636	100,829
Black drum	0	43	737	127	910	4,701	987	867	122	88	27	0	8,609
Sand seatrout	0	0	0	0	0	0	0	0	0	0	0	0	0
Flounder	1,192	1,682	5,132	2,468	401	1,629	559	141	576	770	498	1,784	16,832
Atlantic croaker	0	1,059	7	127	19	0	5	28	0	0	180	111	1,536
Gafftopsail catfish	266	1,340	2,341	0	0	0	0	18	63	0	0	0	4,028
Sheepshead	3	17	69	97	1,826	126	181	230	462	36	5	20	3,072
Mullet	0	3	0	240	908	11,088	0	6	0	7	0	0	12,252
Pompano	27	190	15	169	8	28	24	101	4	0	23	7	596
Unclassified food	122	1,124	145	36	1,245	770	1,560	589	1,118	350	225	2,448	9,732
Unclassified scrap	0	0	96	0	2	0	1,492	34	0	503	0	763	2,890
Cobia	35	18	156	81	5	11	0	0	213	866	745	787	2,917
Grouper	131	124	69	19	356	249	2,225	429	1,244	258	752	678	6,534
Whiting	41	311	437	205	46	63	219	39	50	0	66	70	1,547
Red snapper	14,833	52,455	44,786	21,748	5,304	11,888	46,129	51,624	35,496	18,510	17,337	24,511	344,621
Total finfish	17,104	60,038	56,045	27,876	30,160	47,675	55,125	56,229	61,531	37,705	30,442	44,867	524,797
Blue crabs	0	55	0	0	0	146	0	0	0	0	0	0	201
Brown and pink shrimp	16,464,172	9,976,695	11,355,180	8,158,020	4,862,286	5,811,211	4,800,790	4,904,271	6,037,272	11,030,752	16,071,332	18,811,957	118,283,938
White shrimp	4,629,038	8,985,440	6,171,790	1,904,862	594,811	537,896	720,949	1,105,029	1,838,649	1,528,603	988,549	441,221	29,446,837
Other shrimp	0	0	5,778	23,593	4,459	0	2,315	0	0	2,557	73	0	38,775
Total shellfish	21,093,210	18,962,190	17,532,748	10,086,475	5,461,556	6,349,253	5,524,054	6,009,300	7,875,921	12,561,912	17,059,954	19,253,178	147,769,751

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