

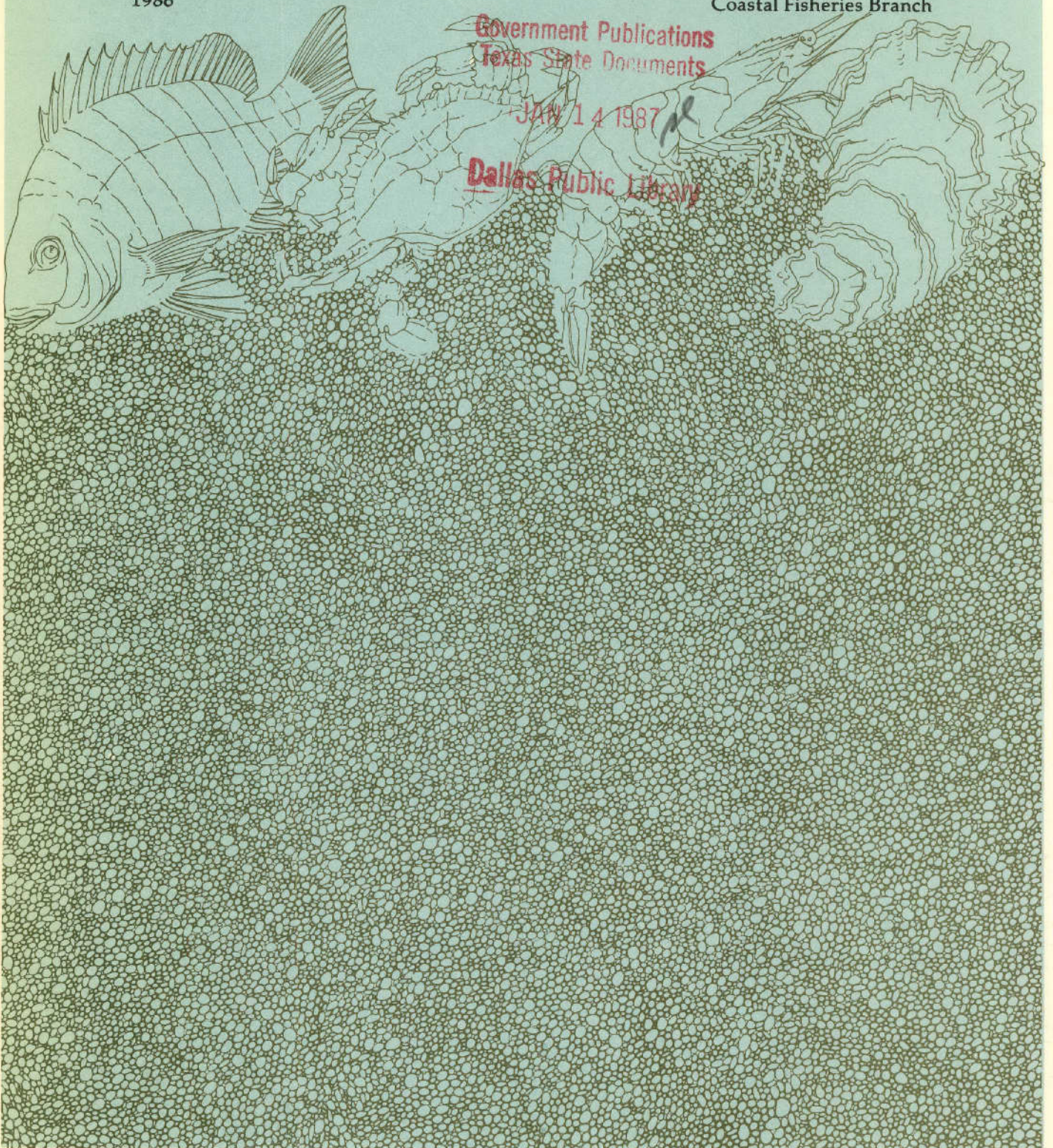
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Trends in Finfish Landings by Sport Boat Fishermen in Texas Marine Waters, May 1974-May 1985

by Hal R. Osburn and Maury O. Ferguson

Management Data Series Number 90
1986

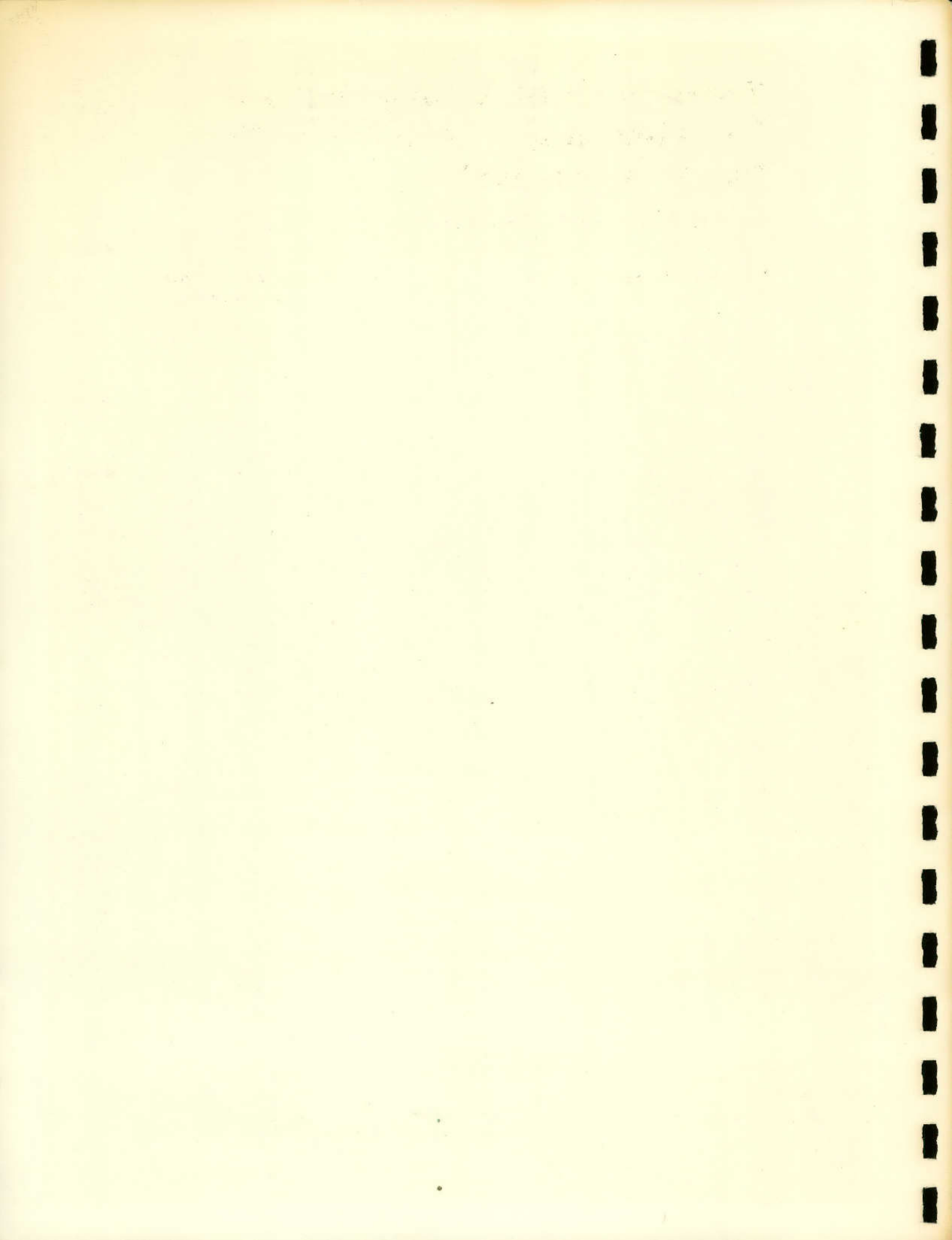
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TRENDS IN FINFISH LANDINGS BY
SPORT-BOAT FISHERMEN
IN TEXAS MARINE WATERS,
MAY 1974-MAY 1985

by

Hal R. Osburn and Maury O. Ferguson

MANAGEMENT DATA SERIES
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Texas Parks and Wildlife Department
Coastal Fisheries Branch
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Austin, Texas 78744

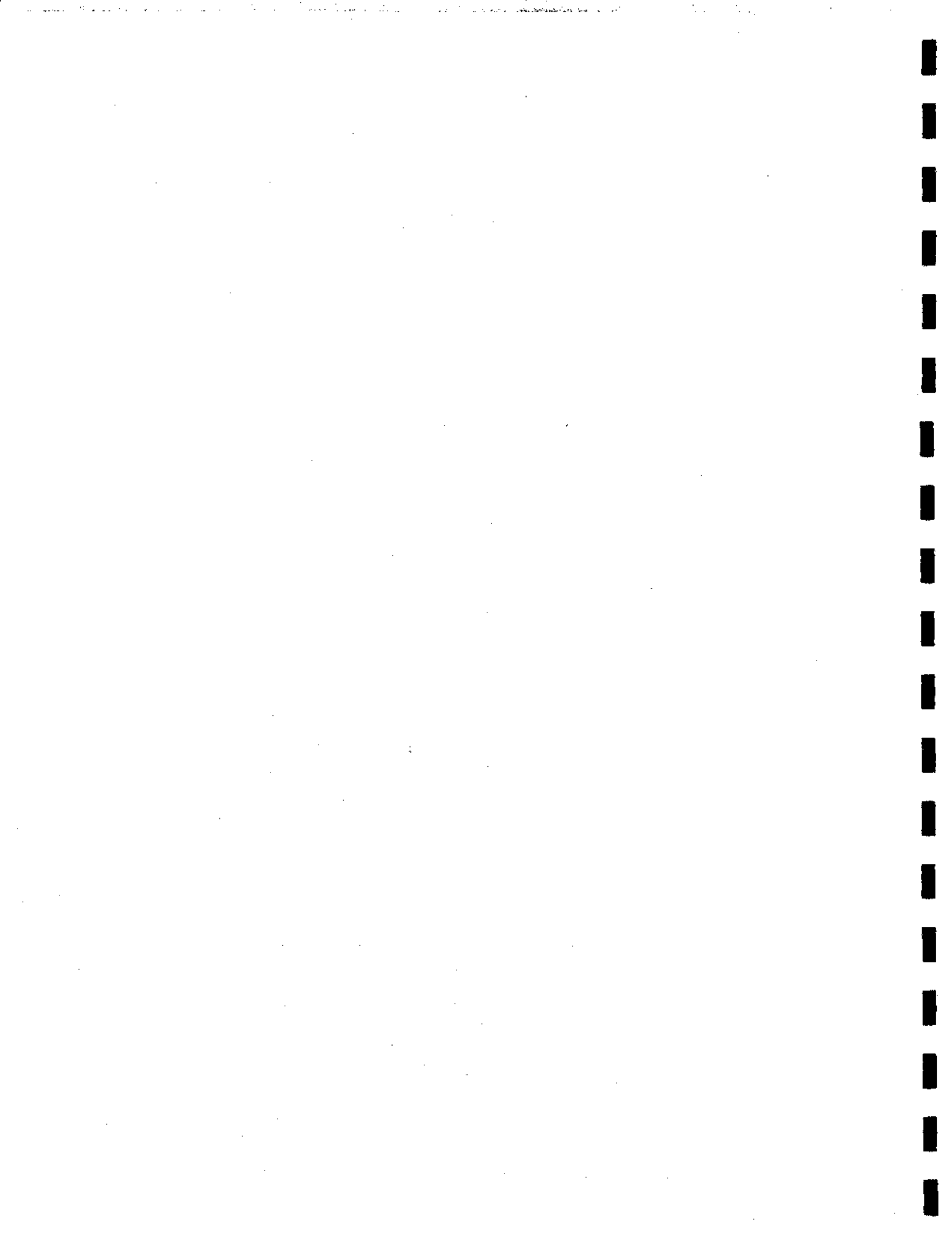


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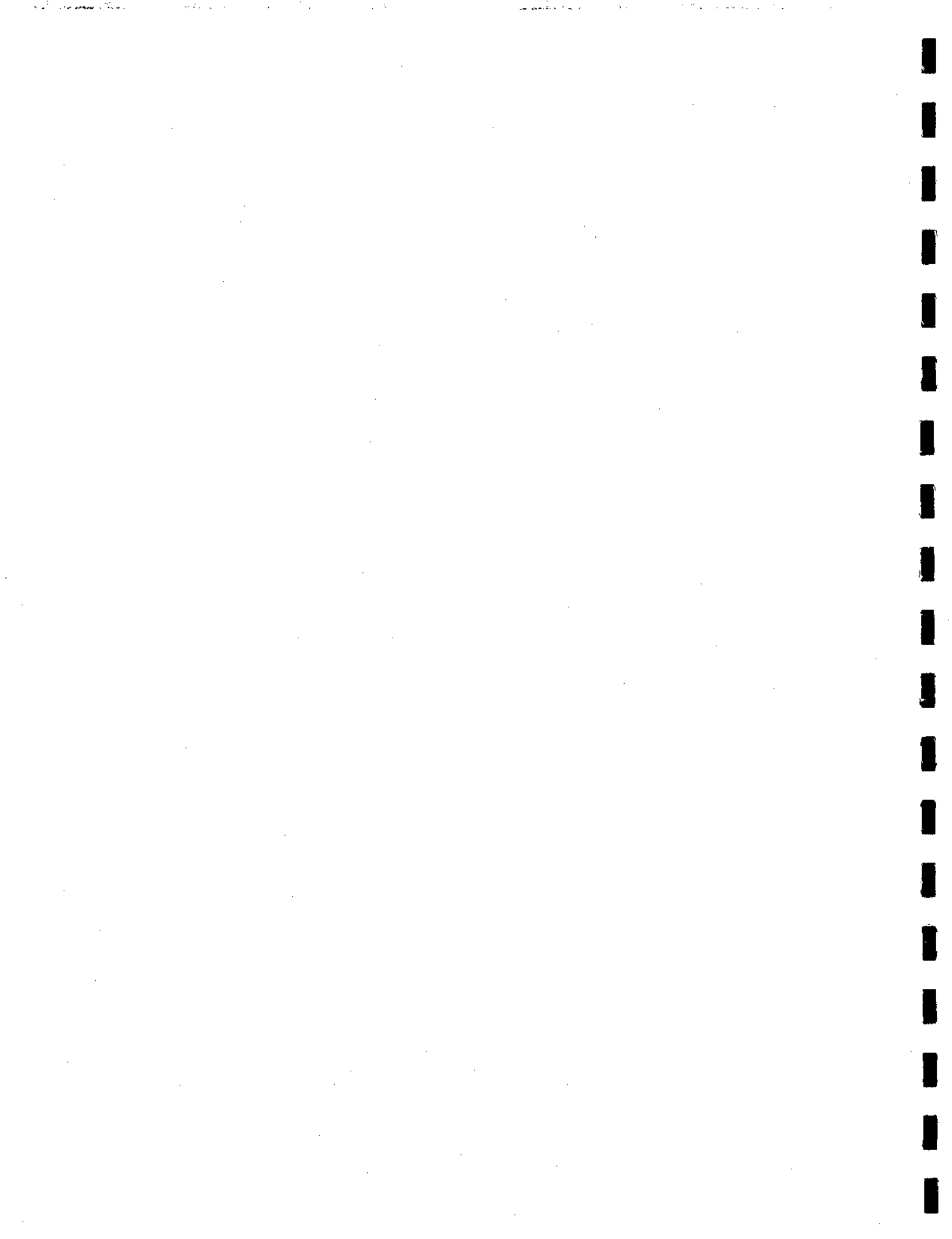
We would like to thank each member of the Sport Harvest Program who so conscientiously collected all scheduled samples. A special thank you is due each of the team leaders--D. Trimm, M. Weixelman, P. Campbell, K. Spiller and G. Standard--without whose assistance the program would not have been successfully completed. Al Green was responsible for designing the basic survey. Thanks go to Tom Heffernan, Lynn Benefield, Al Green, Ed Hegen, Larry McEachron, C. E. Bryan and Gary Saul for editing the manuscript.

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TRENDS IN FINFISH LANDINGS BY SPORT-BOAT FISHERMEN
IN TEXAS MARINE WATERS, MAY 1974-MAY 1985

ABSTRACT

Since May 1974 private-boat fishermen have been routinely interviewed at boat-access sites. Party and headboat fishermen have been routinely monitored since May 1983 by on-site and on-board surveys. The total estimated sport-boat fishing pressure and landings of finfish in 1984-85 were 5,048,500 man-h and 2,168,100 fish, respectively. From 1983-84 to 1984-85 pressure decreased 28% and landings decreased 37%. Sport-boat fishing in bays and passes accounted for 86% of the pressure and 74% of the landings in 1984-85. In the same year, private-boat fishermen exerted 87% of the pressure and landed 72% of the fish. The high-use season (15 May-20 November) accounted for 71% of the pressure and 78% of the 1984-85 landings. Forty percent of the 6-year mean annual coastwide private-boat bay and pass fishing pressure and 44% of the landings occurred in the Galveston Bay system. Spotted seatrout (Cynoscion nebulosus) comprised 37% of the 6-year mean annual coastwide private-boat bay and pass landings. Catch rates for spotted seatrout caught by private-boat fishermen declined 60% from 1983-84 to 1984-85. The routine sport-boat fishery monitoring program detected a reduction in some finfish landings following the coastwide fish kill in December 1983 and January 1984.



INTRODUCTION

The Texas saltwater sport-boat fishery is an economically and biologically important segment of the total Texas coastal fishery. There were nearly one million resident saltwater sport fishermen in Texas during 1978-79 (Green et al. 1982). Direct expenditures by these fishermen translate into over one billion dollars of economic value annually to the State of Texas (Anonymous 1985, Grubb 1973).

Landings data from sport-boat fishermen are required to assess the needs for and the impact 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).

The Texas Parks and Wildlife Department (TPWD) has conducted surveys of sport fishermen in Texas marine waters since 1974 (Heffernan et al. 1976; Breuer et al. 1977; Green et al. 1978; McEachron 1980a, 1980b, 1983, 1984; McEachron and Green 1981, 1982, 1983; McEachron et al. 1984; Osburn and Ferguson 1985a, 1985b). These surveys monitored the species composition, size, number, and landings per unit of effort of economically important species landed by sport-boat fishermen on a yearly basis in the Galveston, Matagorda, San Antonio, Aransas, Corpus Christi and the upper and lower Laguna Madre bay systems, and in the Gulf of Mexico off Texas.

Previous reports have included only weekend estimates for private-boat fishing in Texas bays. Estimates for private and charter boat fishing in passes, the Texas territorial sea and the U.S. Fishery Conservation zone off Texas included both weekend and weekday activity. This report includes weekday estimates for private-boat fishing in Texas bays for all years for which data are available (1974-1976 and 1979-1985).

MATERIALS AND METHODS

Each year was divided into high-use (15 May-20 November) and low-use (21 November-14 May) seasons based on analyses of fishing pressure, landings and catch rates of private-boat fishermen completing a fishing trip (McEachron et al. 1983). Seasons were partitioned by day type (weekend and weekday). Six major holidays (New Year's Day, Memorial Day, July 4th, Labor Day, Thanksgiving Day and Christmas Day) were classified as weekend days.

Areas fished were defined as:

1. Bay: that area shoreward of the barrier islands and pass entrances;
2. Pass: one of the openings connecting the bays and the Gulf of Mexico specified in Appendix A;

3. Texas Territorial Sea (TTS): the Gulf of Mexico from the surf line to 16.7 km offshore, excluding the 1.6 km area around a pass; and
4. U.S. Fishery Conservation Zone (FCZ): the Gulf of Mexico beyond 16.7 km offshore.

Private-boat fishing was defined as fishing from a privately owned or rental boat without a guide. Private-boat fishing includes tournament fishing. Party-boat fishing was defined as fishing from a boat, operated by a guide, that carried ≤ 10 people for a fee. Headboat fishing was defined as fishing from a boat, operated by a guide and crew, that carried >10 people for a fee. Commercial fishing estimates are not included in this report.

Any differences in the estimates in this report compared with previously published estimates for the same item are due to updating of the data base and the most recent report should be considered the most accurate.

Private-boat Fishing

Bay fishermen were interviewed in all survey years. Beginning September 1977 all fishing parties (bay, pass and Gulf) were interviewed although Gulf fishing was not separated into TTS and FCZ fishing until May 1982. Estimates for TTS and FCZ fishing were made for an area rather than a bay system because of travel through common passes and the use of common gulf areas by fishermen launching their boats in separate but adjacent bay systems. Areas were defined as Galveston (Galveston Bay/Freeport area), Matagorda (Matagorda Bay/San Antonio Bay), Corpus Christi (Aransas Bay/Corpus Christi Bay/upper Laguna Madre) and the lower Laguna Madre.

The sampling design for weekend private-boat fishermen was described in Heffernan et al. (1976) and was modified by Green et al. (1978). A roving clerk traveled through each bay system at a constant rate on randomly selected weekend and weekday days and counted boat trailers at identified boat ramps. Beginning May 1983 empty wet-slips and mooring spaces at other boat-access sites (marinas and boat houses) were also counted. Relative fishing pressure estimates (percent of total bay system activity per site per day) were obtained by adjusting trailer and wet-slip boat activity counts with activity data collected from boat party interviews at surveyed sites and the number of rented wet slips obtained from marina and boat-house operators. Boat-access sites are listed in Appendix B, Figures B.1-B.12, Table B.1.

Department personnel were stationed at randomly selected boat-access sites on randomly selected weekend and weekday days to collect landings data by interviewing fishing parties that had completed a trip. Interview sites were selected randomly in proportion to mean boat trailer and wet-slip counts obtained during the previous 3 years (TPWD unpublished data). Therefore, boat-access sites with high fishing activity (i.e. mean trailer and wet-slip counts) were surveyed more often than sites with low fishing activity. Interviews were conducted from 1000 to 1800 based on diel data obtained during the first 2 years of the survey (Heffernan et

al. 1976, Breuer et al. 1977) which indicated the amount of data collected per unit of sampling effort would be maximized (McEachron et al. 1983). Estimates have been adjusted by the percent of missed angler interviews occurring prior to 1000 and after 1800.

Interviewers recorded species (Gallaway et al. 1972, Hoese and Moore 1977, Robins et al. 1980) and number of all fish brought to shore by fishing parties as well as number of persons in the party, geographic origin of residence, fishing location, gear and bait used and trip length. Until May 1983 only weight (kg) of fishes was recorded. Beginning May 1983 fish were measured to the nearest mm (total length). Mean total lengths prior to May 1983 were back calculated using weight-length regressions (Harrington et al. 1979; TPWD unpublished data). Coastwide mean weights and total lengths were weighted by the estimated number of fish landed in each bay system. Geographic origin of residence was classified as:

1. coastal adjacent - counties surrounding a bay system within 80 km (50 miles) of the surfline;
2. coastal non-adjacent - counties having a border within 80 km of the surfline but not adjacent to the bay system where the interview occurred;
3. non-coastal - all Texas counties further than 80 km of the shoreline; and
4. out-of-state - states other than Texas or foreign countries.

From May 1974 to May 1983 the boat owner's residence was recorded for the entire party. Beginning May 1983 the origin of residence was recorded for individual party members.

In earlier years, the private-boat landings were estimated as the product of the mean catch (landings) rate and the fishing pressure in trip man-h (Heffernan et al. 1976). Since interview sites were selected at random and in proportion to total fishing pressure, this technique depended upon a roving clerk traveling through the fishery obtaining fishing pressure at all sites at any given time during the survey period. In the fall of 1979 gas shortages and irregular operating hours by gas stations made it impossible to strictly comply with these procedures. Since potential for similar problems existed in the future (1979 was the second gas shortage within a 4-year period) an alternate method of estimating landings and pressure that depended much less on the use of an automobile was developed. Data collected since 1974 were used to estimate a set of probabilities that described the patterns of fishing pressure within a day and at each inventoried access site (TPWD unpublished data). A roving clerk is still required to inventory boat-access sites but the objective is no longer to estimate the total pressure occurring at each site but to estimate what proportion of the total pressure is occurring at each site. This can be accomplished with fewer roves during a short time period (0800-1230) when there is little change in boating activity. This reduces the use of the automobile from 16% to 33% of the previous requirements depending on the actual rove schedule

adopted. A comparison of estimates made from selecting survey sites as strictly random samples and by selecting survey sites in proportion to the activity that occurs at each site was made by McEachron and Green (1984).

The following equations were used to estimate landings (\hat{H}) separately for each area (bay, pass, TTS and FCZ):

$$\hat{H} = \sum_{i=1}^4 D_i \cdot \bar{h}_i,$$

where D_i = the total number of days that occurred in the i th stratum (season and day type), and

\bar{h}_i = the mean number of fish landed per day during daylight hours in the i th stratum calculated as

$$\bar{h}_i = \frac{1}{n} \cdot \sum_{j=1}^n h_{ij} \cdot \frac{P_j}{e_j}$$

where n = the total number of days sampled,

h_{ij} = the total number of fish observed at site j in the i th stratum,

P_j = the proportion of parties missed by interviewers at site j (total number of parties seen divided by the total number of parties interviewed),

e_j = the estimated proportion of total fishing activity in the bay system that occurred at site j calculated as

$$e_j = \frac{FH_j}{\sum_{j=1}^k FH_j}$$

where FH_j = the total number of trailers and/or empty wet-slips observed at site j during the previous 3 years, and

k = the total number of sites.

This technique is described by Kish (1965) and is used to make estimates from samples selected from clusters which are proportional. Variances were calculated using ratio estimation (Mendenhall et al. 1971).

The estimation of the proportion (e_j) of total pass and Gulf fishing activity at site j used an average of weekend and weekday activity due to a scarcity of data for individual day types. The amount of activity at each site with a history of pass or Gulf fishing was computed by averaging the weekend and weekday mean pass and Gulf trip man-h from all previous years since May 1979. When weekend or weekday data were not available the amount of activity was estimated as:

$$\bar{X}_1 = \frac{3X_2}{2}$$

when weekend data were not available, and as:

$$\bar{X}_2 = (X_1/2 + X_1)/2$$

when weekday data were not available,

where X_1 = weekend trip man-h, and

where X_2 = weekday trip man-h.

The amount of activity at sites which had pass or Gulf activity in the year being estimated but no prior history was set equal to sites with historical data that had similar total pressure. The relative percent activity of boat ramps with pass or Gulf history were computed from a total of 95% of all activity. All other boat ramps without historical pass or Gulf activity were assigned equal percents summing to 5% of the total activity.

For years when no weekday surveys were conducted (1976-77 to 1978-79), landings and pressure estimates for weekdays were calculated by multiplying weekend landings and pressure by an adjustment factor. Adjustment factors were calculated from the percent of total weekend and weekday landings and pressure comprised by weekend landings and pressure from May 1979 to May 1984 (Appendix C). Variances used in the figures for 1976-77 to 1978-79 were calculated using the percent that variances comprised of annual landings and pressure for 1974-76 and 1979-80 to 1984-85. Six-year mean (1979-80 to 1984-85) were used on figures showing percent distributions since methods were consistent and weekday landings were available.

Estimates made from this survey, on an annual basis, are comparable to previous survey estimates. However, one assumption must be made when comparing landings estimates from year to year. The mean catch rate and mean fish size for parties returning before or after the interview period (1000 to 1800) must be the same as those for parties returning during the interview period.

For the purpose of making annual coastwide landings and fishing pressure comparisons, the data of 1974-75 and 1975-76 have been combined and are referred to as 1974-76. Four of the Texas bay systems were surveyed in 1974-75 (Galveston, San Antonio, Aransas and the upper Laguna Madre) and three were surveyed in 1975-76 (Matagorda, Corpus Christi and the lower Laguna Madre). From 1976-77 through 1984-85 all bay systems were surveyed each year.

Party-boat Fishing

From May 1983 to May 1985 party-boat fishermen were interviewed whenever they were encountered during the routine private sport-boat

fishing survey. The inclusion of marinas and boat-houses in the surveyed boat-access site inventory provided for interception of party-boats which were previously surveyed in special studies (McEachron 1983, 1984; McEachron and Matlock 1983; McEachron et al. 1984). Interview and estimation procedures for May 1983-May 1985 were identical to those described for private-boat fishing.

Estimates of party-boat landings and pressure in this report may not be directly comparable to survey estimates for years prior to May 1983. Time periods, sample site selection and estimation procedures were different from previous methods. Estimates in this report were made on a high- and low-use season basis. During June-August of 1979, 1981 and 1982 party-boat storage and launching areas were randomly selected on 8 days per month in each area, except in the Matagorda area where only 4 days per month were surveyed. Trips were estimated on an annual basis but landings were estimated for June-August only. Beginning May 1983, boat-access areas were sampled proportional to their historical fishing activity (Osburn and Ferguson 1985b). Prior to May 1984-May 1985 surveys, the historical fishing activity data used did not include party-boats. If party-boat pressure is distributed in a different pattern by site than private sport-boat fishing, then the precision of the party-boat estimates in this report will be biased. Estimation of landings and pressure in this report relied on calculation of a mean daily landings rate adjusted by the relative proportion of activity at a site. Earlier estimates multiplied landings rates in man-h by total trips, mean trip time and mean people per trip.

Headboat Fishing

Headboats were inventoried using the TPWD Fish Guide License list and by personally contacting marinas, bait stands and commercial guide services in each area of fishing activity (Appendix B, Table B.2). Headboats were stratified according to area fished;

1. inshore headboats fished exclusively in bays and passes, and
2. offshore headboats fished exclusively in the Gulf of Mexico (TTS and/or FCZ).

From May 1983 to May 1985, inshore headboats were randomly selected on 14 weekday days and 7 weekend days during both the high- and low-use seasons in each of the Galveston (Galveston Bay), Corpus Christi (Aransas Bay/Corpus Christi Bay/Upper Laguna Madre) and lower Laguna Madre areas.

From May 1983 to May 1984, offshore headboats were randomly selected on 14 weekday days and 7 weekend days during both the high- and low-use seasons in each of the Galveston (Galveston Bay/Freeport area), Corpus Christi (Aransas Bay/Corpus Christi Bay, upper Laguna Madre) and lower Laguna Madre areas. During the 1984 high-use season the same number of surveys were scheduled to be conducted in each area, however, all offshore headboat surveys were terminated 10 September 1984. Offshore headboat surveys were terminated since the 1983-84 survey results indicated that 99% of offshore headboat trips were made to the FCZ which is under the jurisdiction of the Gulf of Mexico Fishery Management Council. This

action was recommended by Osburn and Ferguson (1985a) to provide for increased efficiency in satisfying TPWD mandated responsibilities in case of a man-power shortage. No offshore headboat surveys were conducted during the low-use season of 1984-1985; therefore, low-use season pressure and landings estimates for offshore headboats are not included in this report. All previous estimates can be found in Osburn and Ferguson (1985a).

Headboat surveys were conducted aboard the vessel. All fish retained were counted and identified (Gallaway et al. 1972, Hoese and Moore 1977, Robins et al. 1980). On each trip, total lengths of up to 100 individuals of each species were measured to the nearest mm. The number of sport fishermen and fishing time (nearest 0.5 h) were also recorded. The total number of trips made on each survey day was determined by contacting all inventoried headboat operators by phone. One gulf headboat operator refused to cooperate on the intercept portion of the survey but did provide information on the number of trips made each survey day.

The following equations were used to estimate landings (\hat{H}):

$$\hat{H} = \sum_{i=1}^4 D_i \cdot \bar{h}_i$$

where D_i = the total number of days that occurred in the i th stratum (season and day type), and

\bar{h}_i = the mean number of fish landed per day in the i th stratum calculated as

$$\bar{h}_i = \frac{1}{n} \cdot \sum_{j=1}^n h_{ij} \cdot t_i / e_{ij}$$

where n = the total number of days sampled,

h_{ij} = the total number of fish landed during a trip on headboat j ,

t_i = the mean number of trips made per day by all boats in the i th stratum, and

e_{ij} = the estimated proportion of total fishing activity occurring on headboat j calculated as

$$e_{ij} = T_{ij} \cdot P_{ij} / \sum_{j=1}^k (T_{ij} \cdot P_{ij})$$

where T_{ij} = the number of trips made by headboat j on all surveyed days in the i th stratum,

P_{ij} = the mean number of people per trip fishing on headboat j , and

k = the total number of headboats.

Linear regression analysis found a positive correlation between fish landed and mean number of people per trip for all stratum except bay headboats during the low-use season (Osburn and Ferguson 1985a). When no data on mean number of people per trip were available the number was estimated by adjusting that boat's legal passenger capacity by the ratio of number of people per trip to passenger capacity of all surveyed headboats in the i th stratum. Linear regression analysis showed a positive correlation between mean number of people per trip and passenger capacity for all strata except bay headboats (Osburn and Ferguson 1985a).

The use of e_{ij} to adjust trip catch (landings) rates is valid for proportional sampling (Kish 1965). Although headboats were to be selected randomly, when a boat was contacted but was not making a trip on the survey day surveyors continued contacting all headboats until one making a trip was found. Thus more active headboats were surveyed more often, resulting in defacto proportional sampling. Variances were calculated using ratio estimation (Mendenhall et al. 1971).

Procedures for calculating mean total lengths and weights were similar to those described for private-boat fishermen.

Origin of residence information was classified according to the description given under private-boat fishing.

Headboat estimates in this report are comparable to previous survey estimates although some difference in seasons does exist. Equations used in the present survey were based on mean daily catch rates. Previous estimates were based on trip catch rates but took into account the number of people per trip and mean number of trips per day (McEachron 1984). Previously the total number of trips made during a specified time period was determined by a census of headboat operators.

RESULTS

Sport-boat fishing in Texas saltwater decreased 27% and landings decreased 37% from 1983-84 to 1984-85. Sport-boat fishermen spent 5,048,500 man-h to land 2,168,100 fish during 1984-85 (Table 1). Pressure and landings declined in all areas fished and all strata of sport-boat fishing. Bay and pass sport-boat fishing accounted for 86% of the pressure and 74% of the landings in 1984-85. In 1984-85 fishing in the TTS accounted for only 5% of the pressure and 2% of the landings while FCZ fishing accounted for 9% of the pressure and 23% of the landings. Private-boat fishermen exerted 87% of the total pressure and landed 72% of the fish in 1984-85. Party-boat fishermen accounted for only 3% of both pressure and landings. Headboat fishermen exerted 9% of the pressure and landed 24% of the fish even though low-use season estimates were not available. In 1983-84, when low-use season estimates were available,

headboats accounted for 6% of the pressure and 15% of the landings. In 1984-85, 71% of the pressure and 78% of the landings occurred during the high-use season.

Bays and Passes

Private-boat fishing

Since 1974, over 106,000 interviews have been conducted with private-boat fishermen fishing in Texas bays and passes (Appendix D, Tables D.1-D.2). Annual fishing pressure had generally increased until 1984-85 (Fig. 1) (Appendix D, Table D.3). This increase is also reflected in license sales and boat registrations (Appendix E, Tables E.1-E.2). Coastwide annual landings generally declined from a high of 5,506,600 fish in 1974-76 to a low of 1,469,900 fish in 1984-85 (Fig. 1) (Appendix D., Table D.4). This pattern was reflected during the high-use season but not during the low-use season (Fig. 2) (Appendix D., Tables D.5-D.8). High-use season weekend pressure generally increased since 1979-80 until a dramatic decrease in 1984-85; landings showed a steady decline except in 1982-83 (Fig. 2) (Appendix D, Tables D.3, D.5). High-use season weekday pressure was similar in all years except for an increase in 1980-81 and a decrease in 1984-85 while landings have generally declined except for 1980-81 (Fig. 2) (Appendix D, Tables D.3, D.6). Low-use season pressure and landings on both weekends and weekdays have remained stable since 1976-77 (Fig. 2) (Appendix D, Tables D.3., D.7-D.8). Based on 6-year means, fishing on high-use season weekdays accounted for one-third of the annual coastwide pressure but almost one-half of the landings (Fig. 3). Low-use season fishing accounted for only 26% and 20% of the mean annual pressure and landings, respectively.

Forty percent of the mean annual coastwide pressure and 44% of the landings occurred in the Galveston Bay system (Fig. 4). The San Antonio Bay system accounted for the smallest percentage of the mean annual coastwide pressure and landings. The Galveston Bay system had the greatest decline in annual pressure and landings from 1974 to 1985 (Fig. 5). Other bay systems had variable trends in landings and pressure but the magnitude of changes was small compared to the Galveston Bay system (Figs. 6-11).

Spotted seatrout (Cynoscion nebulosus) comprised 39% of the mean annual coastwide landings and together with sand seatrout (C. arenarius) accounted for nearly 57% of the private-boat landings from bays and passes (Fig. 12). The Galveston Bay system had the highest percentage of the mean annual coastwide landings of Atlantic croaker (Micropogonias undulatus), black drum (Pogonias cromis), red drum (Sciaenops ocellatus), sand seatrout, sheepshead (Archosargus probatocephalus) southern flounder (Paralichthyes lethostigma) and spotted seatrout while the Corpus Christi Bay system had the highest percentage of gafftopsail catfish (Bagre marinus) (Fig. 13).

Annual coastwide landings of all finfish combined have decreased by 73% since 1974-76 (Appendix D, Table D.4). Decreases in landings of individual species since 1974-76 have ranged from 11% for sheepshead to 88% for spotted seatrout (Figs. 14-21). A steady decrease in landings

since 1974-76 occurred for Atlantic croaker (73%), gafftopsail catfish (85%), sand seatrout (59%) and spotted seatrout (88%). Landings of black drum, red drum, sheepshead and southern flounder have not steadily increased or decreased although landings of these species in 1984-85 were all lower than in 1974-76. Landings by season and day type show patterns similar to those of the annual estimates (Appendix D, Tables D.5-D.8).

Annual coastwide mean catch rates for all species combined declined 67% from 1.08 fish/man-h in 1976-77 to 0.36 fish/man-h in 1984-85 (Appendix D, Table D.9). None of the reported species had a catch rate in 1984-85 higher than that of 1974-76 (Figs. 14-21). Catch rates for Atlantic croaker declined from 0.22 fish/man-h in 1977-78 to 0.06 fish/man-h in 1984-85 (Fig. 14). Black drum catch rates ranged from 0.02 to 0.05 fish/man-h until decreasing to 0.01 fish/man-h in 1983-84 and 1984-85 (Fig. 15). Catch rates for gafftopsail catfish ranged from 0.02 to <0.01 in all years (Fig. 16). Red drum catch rates decreased from 0.05 fish/man-h in 1974-76 to 0.01 fish/man-h in 1983-84 but increased to 0.02 fish/man-h in 1984-85 (Fig. 17). Catch rates for sand seatrout and sheepshead showed no general pattern of increase or decrease (Figs. 18-19). Southern flounder catch rates remained stable at 0.02 to 0.04 fish/man-h from 1980-81 to 1984-85 after reaching a high of 0.12 fish/man-h in 1979-80 (Fig. 20). Spotted seatrout catch rates decreased 60% from 0.47 fish/man-h in 1976-77 to 0.19 fish/man-h in 1979-80, then increased to 0.30 fish/man-h the next year but decreased again to a low of 0.08 fish/man-h in 1984-85 (Fig. 21). Catch rates for individual species and all finfish combined by season and day type are presented in Appendix D, Tables D.10-D.13.

Mean weights and total lengths for individual species varied by year, season and day type (Figs. 14-21) (Appendix D, Tables D.14-D.21). Both red drum and spotted seatrout have shown an increase in size from 1979-80 to 1984-85 (Figs. 17 and 21). The annual coastwide mean weights increased 155% for red drum and 57% for spotted seatrout in those years.

Southern kingfish (Menticirrhus americanus) was the predominant species included in the "other" species category (Appendix D, Table D.22). Silver perch (Bairdiella chrysura), pinfish (Lagodon rhomboides), pigfish (Orthopristis chrysoptera), and hardhead catfish (Arius felis) were also predominant species included in the "other" category.

The majority (56-64%) of private-boat fishermen lived in coastal counties adjacent to the bay system fished every year except in 1983-84 (49%) (Appendix D, Tables D.23-D.25). The annual coastwide mean fishing-party size and mean trip length ranged from 2.5 people to 2.7 people and from 5.3 h to 7.1 h, respectively (Appendix D, Table D.26).

Party-boat fishing

Since 1983, nearly 1,100 party-boat fishermen fishing in Texas bays and passes have been interviewed (Appendix F, Table F.1). Annual pressure decreased 49% from 1983-84 (249,900 man-h) to 1984-85 (127,600 man-h) while landings decreased 74% (261,800 to 67,600 fish) (Appendix F, Tables F.2-F.3). Spotted seatrout comprised 74% of the landings in each year.

The majority of coastwide landings occurred during the high-use season and on weekdays (Appendix F, Tables F.4-F.5).

Mean annual coastwide catch rates decreased from 1983-84 to 1984-85 for all species except red drum (Appendix F, Table F.6). Catch rates by season and day type are presented in Appendix F, Tables F.7-F.8. Comparable annual pressure and landings estimates prior to May 1983 were not available, however, mean catch rates for selected species for summer months (June-August) during 1979-1984 are presented in Appendix F, Table F.9. Coastwide mean catch rates during the summer for all species combined ranged from 0.58 fish/man-h in 1984 to 1.91 fish/man-h in 1982 (Appendix F, Table F.9). The annual coastwide mean weight and total length of red drum increased while that of spotted seatrout remained stable from 1983-84 to 1984-85 (Appendix F, Tables F.10, F.13). Mean weights and total lengths by species, bay system, year, season and day type are presented in Appendix F, Tables F.11-F.12, F.14-F.15. Species included in the "other" species category were primarily ladyfish (Elops saurus), southern kingfish, crevalle jack (Caranx hippos), and tripletail (Lobotes surinamensis) (Appendix F, Table F.16).

The highest percentage of party-boat fishermen came from non-coastal counties (40-47%) (Appendix F, Tables F.17-B.19). The annual coastwide mean fishing-party size (3.4-3.6 people) and mean trip length (5.7-6.1 h) remained similar from 1983-84 to 1984-85 (Appendix F, Table F.20).

Headboat fishing

Since 1983, over 5,200 headboat fishermen fishing in Texas bays and passes have been interviewed (Appendix G, Table G.1). Annual coastwide pressure decreased 29% from 1983-84 (188,900 man-h) to 1984-85 (134,000 man-h) while landings decreased 43% (131,300 to 74,600 fish) (Appendix G, Tables G.2-G.3). Sand seatrout comprised 58% of the landings in 1983-84 and 65% in 1984-85. The majority of coastwide landings occurred during the high-use season (Appendix G, Tables G.4-G.5).

Annual coastwide mean catch rates decreased from 1983-84 (0.70 fish/man-h) to 1984-85 (0.56 fish/man-h) for all species combined (Appendix G, Table G.6). Comparable annual estimates of pressure and landings prior to May 1983 were not available, however, mean catch rates for selected species during 1978-1985 are presented in Appendix G, Table G.9. Coastwide mean catch rates in the high-use season decreased since 1978 but increased in the low-use season. The annual coastwide mean weight and mean total length of sand seatrout has remained stable during the last 2 years (Appendix G, Tables G.10, G.13). Mean catch rates, mean weights and mean total lengths by species, bay system, year, season, and day type are presented in Appendix G, Tables G.7-G.8, G.11-G.12, and G.14-G.15. "Other" species included predominantly southern kingfish, silver perch, red snapper (Lutjanus campechanus), and blacktip shark (Carcharhinus limbatus) (Appendix G, Table G.16).

The majority (75-76%) of headboat fishermen in 1983-84 and 1984-85 were from adjacent coastal or non-coastal counties (Appendix G, Tables G.17-G.19). The coastwide mean fishing-party size was highest on high-use season weekend days in both years (34.4-41.5 people) (Appendix G, Table

G.20). The annual coastwide mean fishing time decreased from 1983-84 (3.0 h) to 1984-85 (2.4 h).

Texas Territorial Sea

Private-boat fishing

Since 1982, nearly 4,200 private-boat fishermen fishing in the TTS have been interviewed (Appendix H, Table H.1). Annual coastwide pressure decreased 52% from 1983-84 (313,600 man-h) to 1984-85 (149,800 man-h) (Appendix H, Table H.2). Annual coastwide landings increased 36% from 1983-84 (32,700 fish) to 1984-85 (44,600 fish) but have decreased 58% since 1982-83 (107,300 fish) (Appendix H, Table H.3). Sand seatrout comprised 48% of the landings in 1984-85. Nearly half of the 1984-85 coastwide landings occurred during the low-use season (Appendix H, Tables H.4-H.5).

Annual coastwide mean catch rates for all species combined increased from 1983-84 (0.10 fish/man-h) to 1984-85 (0.30 fish/man-h) (Appendix H, Table H.6). The annual coastwide mean weight and mean total length of sand seatrout has remained stable during the last 2 years (Appendix H, Tables H.9, H.12). Mean catch rates, mean weights and mean total lengths by species, area, year, season and day type are presented in Appendix H, Tables H.7-H.8, H.10-H.11, and H.13-H.14. Primary species included in the "other" category varied by year, season and day type (Appendix H, Table H.15).

The majority (77-84%) of private-boat fishermen in all years were from adjacent coastal or non-coastal counties (Appendix H, Tables H.16-H.18). The annual coastwide mean fishing-party size (3.0-3.1 people) and mean trip length (5.9-6.2 h) remained stable (Appendix H, Table H.19).

Party-boat fishing

Since 1983, 135 party-boat fishermen fishing in the TTS have been interviewed (Appendix I, Table I.1). Annual coastwide pressure decreased 66% from 1983-84 (46,500 man-h) to 1984-85 (15,900 man-h) while landings decreased 86% (20,700 to 2,900 fish) (Appendix I, Tables I.2-I.3). King mackerel (Scoromorus cavalla) comprised 46% and 45% of the landings in 1983-84 and 1984-85, respectively. Nearly 45% of the annual coastwide landings occurred in the low-use season in 1984-85, however, no pressure or landings occurred in the low-use season in 1983-84 (Appendix I, Tables I.4-I.5).

Annual coastwide mean catch rates decreased from 1983-84 to 1984-85 for king mackerel (0.20 to 0.08 fish/man-h) and for all species combined (0.45 to 0.18 fish/man-h) (Appendix I, Table I.6). No comparable annual estimates of pressure or landings were available prior to May 1983, however, mean catch rates for selected species for summer months (June-August) from the entire Gulf of Mexico during 1979-1984 are presented in Appendix I, Table I.9. Coastwide mean catch rates during the summer for all species combined ranged from 0.21 fish/man-h in 1984 to 0.69 fish/man-h in 1981. The annual coastwide mean weight and mean total length of king mackerel decreased from 1983-84 (9.05 kg/fish and 985 mm/fish) to 1984-85

(5.90 kg/fish and 860 mm/fish) (Appendix I, Table I.10, I.13). Mean catch rates, mean weights and mean total lengths by species, area, year, season and day type are presented in Appendix I, Tables I.7-I.8, I.11-I.12 and I.14-I.15. "Other" species included primarily Gulf kingfish (Menticirrhus littoralis), Crevalle jack, blacktip shark and little tunny (Euthynnus alletteratus) (Appendix I, Table I.16).

Non-coastal counties were the residential origin of the highest percentage of party-boat fishermen each year (43-64%) (Appendix I, Tables I.17-I.19). The annual coastwide mean fishing-party size increased from 3.4 people in 1983-84 to 4.5 people in 1984-85 while mean trip length decreased from 6.8 h to 5.5 h (Appendix I, Table I.20).

Headboat fishing

Since 1983, 239 headboat fishermen fishing in the TTS have been interviewed (Appendix J, Table J.1). Despite the lack of survey data in the 1984-85 low-use season, the annual coastwide pressure increased from 2,700 man-h in 1983-84 to 66,900 man-h in 1984 (Appendix J, Table J.2). Coastwide high-use season landings increased from 800 fish in 1983 to 5,600 fish in 1984 (Appendix J, Table J.3). King mackerel accounted for 62% of the 1984 high-use season landings. Mean catch rates, mean weights and mean total lengths by species, area, year and day type for the high-use season are presented in Appendix J, Tables J.4-J.6. "Other" species included crevalle jack, little tunny, spinner shark (Carcharhinus falciformes), dusky shark (Carcharhinus obscurus) and sandbar shark (Carcharhinus plumbeus) (Appendix J, Table J.7).

Over 84% of headboat fishermen in the TTS resided in non-coastal counties in 1983-84 (Appendix J, Table J.8). Between 61-79% of the high-use season fishermen also resided in non-coastal counties (Appendix J, Table J.9). No headboat fishermen fishing the TTS were interviewed during the low-use season 1983-84. Mean fishing-party size and mean fishing time are presented by area, year, season and day type in Appendix J, Table J.10.

Fishery Conservation Zone

Private-boat fishing

Since 1982, over 3,700 private-boat fishermen in the FCZ have been interviewed (Appendix K, Table K.1). Annual coastwide pressure decreased from 260,300 man-h in 1982-83 to 169,700 man-h in 1984-85 (Appendix K, Table K.2). Annual coastwide landings also decreased from 1982-83 (124,800 fish) to 1984-85 (54,300 fish) (Appendix K, Table K.3). Red snapper comprised 31-57% of the annual coastwide landings since 1982. High-use season landings accounted for 59-90% of the annual landings since 1982 (Appendix K, Tables K.4-K.5).

Annual coastwide mean catch rates for all species combined decreased from 1982-83 (0.48 fish/man-h) to 1984-85 (0.32 fish/man-h) (Appendix K, Table K.6). Red snapper annual coastwide mean weight increased from 0.56 kg/fish in 1983-84 to 0.91 kg/fish in 1984-85 (Appendix K, Table K.9). Mean total lengths of red snapper increased from 328 mm/fish to 368

mm/fish from 1983-84 to 1984-85 (Appendix K, Table K.12). Mean catch rates, mean weights and mean total lengths by species, area, year, season and day type are presented in Appendix K, Tables K.7-K.8, K.10-K.11 and K.13-14. Predominant species included in the "other" category were dolphin (Coryphaena hippurus), black drum, blue runner and bluefish (Pomatomus saltatrix) (Appendix K, Table K.15).

The majority (75-82%) of private-boat fishermen in 1982-83 through 1984-85 were from adjacent coastal or non-coastal counties (Appendix K, Tables K.16-K.18). The annual coastwide mean fishing-party size (3.1-3.2 people) and mean trip length (7.3-7.9 h) have remained stable since 1982 (Appendix K, Table K.19).

Party-boat fishing

Since 1983, 228 party-boat fishermen fishing in the FCZ have been interviewed (Appendix L, Table L.1). Annual coastwide pressure decreased 74% from 1983-84 (117,100 man-h) to 1984-85 (30,000 man-h) while landings decreased 80% (33,500 to 6,600 fish) (Appendix L, Tables L.2-L.3). King mackerel comprised 40% and 64% of the landings in 1983-84 and 1984-85, respectively. From 88% to 100% of the landings occurred in the high-use season in both years (Appendix L, Tables L.4-L.5).

Annual coastwide mean catch rates decreased for all species combined (0.29 to 0.22 fish/man-h) but increased for king mackerel from 1983-84 (0.12 fish/man-h) to 1984-85 (0.14 fish/man-h) (Appendix L, Table L.6). The annual coastwide mean weight of king mackerel remained nearly the same between years (9.49 to 9.90 kg/fish) (Appendix L, Table L.9). No fish were weighed during the low-use season in either year. Mean catch rates, mean weights and mean total lengths by species, area, year, season and day type are presented in Appendix L, Tables L.7-L.8 and L.11-L.12. "Other" species are listed in Appendix L, Table L.13.

Over 51% of party-boat fishermen in the FCZ resided in non-coastal counties in both years (Appendix L, Tables L.14-L.16). The annual coastwide mean fishing-party size increased from 4.0 people in 1983-84 to 4.4 people in 1984-85 while mean trip length decreased from 8.7 h to 7.7 h (Appendix L, Table L.17).

Headboat fishing

Since 1983, nearly 3,700 headboat fishermen fishing in the FCZ have been interviewed (Appendix M, Table M.1). Despite the lack of survey data in the 1984-85 low-use season, the annual coastwide pressure increased from 195,600 man-h in 1983-84 to 272,800 man-h in 1984 (Appendix M, Table M.2). Coastwide high-use season landings increased from 276,900 fish in 1983 to 442,000 fish in 1984 (Appendix M, Table M.3). Red snapper accounted for 64% of the 1984 high-use season landings. Mean catch rates, mean weights and mean lengths by species, area, year, season and day type are presented in Appendix M, Tables M.4-M.8. "Other" species are listed in Appendix M, Table M.9.

Nearly 78% of headboat fishermen in the FCZ lived in adjacent coastal or non-coastal counties in 1983-84 (Appendix M, Table M.10). Out-of-state

fishermen accounted for 19% of the coastwide total. Residential origins of FCZ headboat fishermen are presented by area, year, season and day type in Appendix M, Tables M.11-M.12. Coastwide mean fishing-party size in 1983-84 was highest on high-use season weekend days (45.1 people) while mean fishing time ranged from 2.9 h to 3.7 h by season and day type (Appendix M, Table M.13).

DISCUSSION

As participation in the saltwater fishery has increased over the past 10 years landings have decreased. The apparently large decline in the Texas private-boat landings from 1974-76 to later survey years may have been caused by a decline in fish availability. A decline in catch rates by private-boat fishermen supports this as does the TPWD fisheries-independent monitoring programs (using gill nets, trammel nets and bag seines) that have been conducted in Texas bays since fall 1975 (Matlock and Weaver 1979; Hegen and Matlock 1980; Hegen 1981, 1983; McEachron and Green (In press). These reports indicate a coastwide decline in catch rates for spotted seatrout (which comprise 45-75% of sport landings) and red drum (which comprise 5-10% of sport landings).

To curb the decline in finfish availability, the Texas Legislature and the Texas Parks and Wildlife Department enacted possession and size limit regulations designed to restrict the harvest of spotted seatrout and red drum (Anonymous 1979, 1981, 1983). The stabilization of mean catch rates for red drum prior to 1983-84 and the increase in mean sizes for these two species since 1974-80 offers encouragement that these regulations are accomplishing their intended purpose.

The Texas coast experienced a severe fish kill due to cold temperatures during late December 1983 and early January 1984 (McEachron et al. 1984). Preliminary estimates revealed that over 15 million marine organisms were killed. Of these, approximately 567,000 were spotted seatrout, 285,000 were black drum, 183,000 were sheepshead, 160,000 were Atlantic croaker and 90,000 were red drum. The negative effects of this fish kill on the sport-boat fishery in Texas bays and passes are indicated by the results of the present study. Fishing pressure declined dramatically in all bays except the Galveston Bay system. Recreational fishing license sales in 1984-85 were at their lowest level since 1978-79. Declines in landings and catch rates from 1983-84 to 1984-85 were particularly dramatic for spotted seatrout. These declines parallel those noted in catch rates of spotted seatrout from the TPWD fisheries-independent monitoring program (McEachron and Green, In press).

Boat fishing pressure is also apparently affected by factors other than fish populations. The declines in fishing pressure in 1976-77 and 1977-78 as compared to 1974-76 may have resulted from the combination of the decline in fishing success during those years and the increasing cost of a fishing trip. Ditton et al. (1980) reported that nearly one-half of fishing trip expenditures for bay private-boat fishermen in the Houston-Galveston area of the Texas coast were for fuel. With a 131% increase in the price of regular gasoline from 1974 through 1980 (U.S. Dept. of Energy 1977, 1980, 1981), fishermen experienced a substantial increase in the

cost of an average fishing trip. Additional rigorous statistical analyses are needed to explain fully the reasons for trends presented in this report.

Only recently have landings and effort data for charterboat fishermen been routinely collected (McEachron and Matlock 1983). Various difficulties in surveying charterboat fishermen, such as high mobility and seasonality of the operators and owner noncooperation, have been noted by Fraser et al. (1977) and McEachron (1984). The charter industry, however, has become a significant component of the total sport-boat fishery in Texas and can no longer be ignored (Ditton et al. 1978). Catch rates of charterboat fishermen are appreciably greater than those reported for non-charter fishermen (McEachron 1984, Osburn and Ferguson 1985a, Trent 1976) principally due to the fish guides' greater knowledge of "good" fishing areas (Caillouet and Higman 1978). The demonstrated success of the charter fishery coupled with the increasing number of boats in the industry emphasizes the need to continue monitoring the landings and effort of charterboat fishermen.

The study presents pressure and landings estimates, as well as the variance associated with those estimates, for all strata of sport-boat fishermen in Texas marine waters. These estimates, however, should be considered minimum estimates since they do not include Sabine Lake fishing and nighttime private and party-boat fishing. There are also sites where boats can dock, but TPWD has no access to conduct surveys (e.g. condominiums and private residences) (Ferguson and Green, In prep.). There is also a lack of adequate data to monitor the fishing pressure and landings of shore-based fishermen in Texas (e.g. wade/bank, piers, jetties). McEachron et al. (1981) found that these shore-based strata accounted for 33-36% of the coastwide sport-fishing landings. Resolutions of these limitations in the sport-boat monitoring program are currently being pursued, as well as methods to improve survey efficiency.

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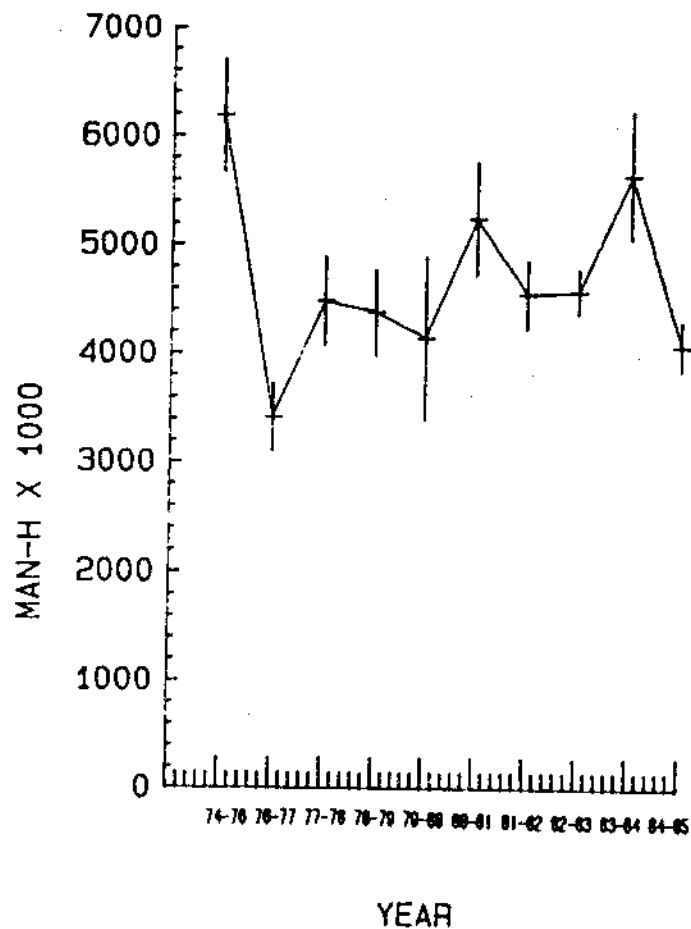
Table 1. Sport-fishing pressure (man-h x 1000) and finfish landings (No. x 1000) by strata, area fished and season (1983-1985). ND = no data.

| Year Area Strata | High use | | Low use | | Annual ^b | |
|---------------------------|----------|----------|----------|----------|---------------------|----------|
| | Pressure | Landings | Pressure | Landings | Pressure | Landings |
| 1983-84 | | | | | | |
| Bay and Pass | | | | | | |
| Private boat | 4472.0 | 2092.6 | 1176.1 | 392.0 | 5648.7 | 2484.6 |
| Party boat | 205.7 | 239.6 | 44.3 | 22.2 | 249.9 | 261.8 |
| Headboat | 159.7 | 124.2 | 29.2 | 7.1 | 188.9 | 131.3 |
| Total | 4837.4 | 2456.4 | 1250.2 | 421.3 | 6087.5 | 2877.7 |
| Territorial Sea | | | | | | |
| Private boat | 282.6 | 25.0 | 30.9 | 7.7 | 313.6 | 32.7 |
| Party boat | 46.5 | 20.7 | 0.0 | 0.0 | 46.5 | 20.7 |
| Headboat | 2.7 | 0.8 | 0.0 | 0.0 | 2.7 | 0.8 |
| Total | 331.8 | 46.5 | 30.9 | 7.7 | 362.8 | 54.2 |
| Fishery Conservation Zone | | | | | | |
| Private boat | 174.5 | 73.1 | 23.4 | 8.3 | 197.9 | 81.3 |
| Party boat | 117.1 | 33.5 | 0.0 | 0.0 | 117.1 | 33.5 |
| Headboat | 161.0 | 276.9 | 34.6 | 114.3 | 195.6 | 391.2 |
| Total | 452.6 | 383.5 | 58.0 | 122.6 | 510.6 | 506.0 |
| Grand Total ^b | 5621.8 | 2886.4 | 1339.1 | 551.6 | 6960.9 | 3437.9 |
| 1984-85 | | | | | | |
| Bay and Pass | | | | | | |
| Private boat | 2705.3 | 1059.9 | 1376.5 | 410.1 | 4081.8 | 1469.9 |
| Party boat | 89.6 | 41.8 | 37.9 | 25.7 | 127.6 | 67.6 |
| Headboat | 103.5 | 65.6 | 30.4 | 8.9 | 134.0 | 74.6 |
| Total | 2898.4 | 1167.3 | 1444.8 | 444.7 | 4343.4 | 1612.1 |
| Territorial Sea | | | | | | |
| Private boat | 127.3 | 20.9 | 22.5 | 21.9 | 149.8 | 44.6 |
| Party boat | 11.4 | 1.5 | 4.5 | 1.3 | 15.9 | 2.9 |
| Headboat ^a | 66.9 | 5.6 | ND | ND | 66.9 | 5.6 |
| Total | 205.6 | 28.0 | 27.0 | 23.2 | 232.6 | 53.1 |
| Fishery Conservation Zone | | | | | | |
| Private boat | 159.9 | 39.4 | 9.9 | 11.8 | 169.7 | 54.3 |
| Party boat | 26.5 | 5.8 | 3.5 | 0.8 | 30.0 | 6.6 |
| Headboat ^a | 272.8 | 442.0 | ND | ND | 272.8 | 442.0 |
| Total | 459.2 | 487.2 | 13.4 | 12.6 | 472.5 | 502.9 |
| Grand Total ^b | 3563.2 | 1682.5 | 1485.2 | 480.5 | 5048.5 | 2168.1 |

^aSurveys of headboat fishermen in the Gulf of Mexico were discontinued on 10 September 1984.

^bDue to rounding of numbers, these totals may not exactly equal individual totals.

PRESSURE



LANDINGS

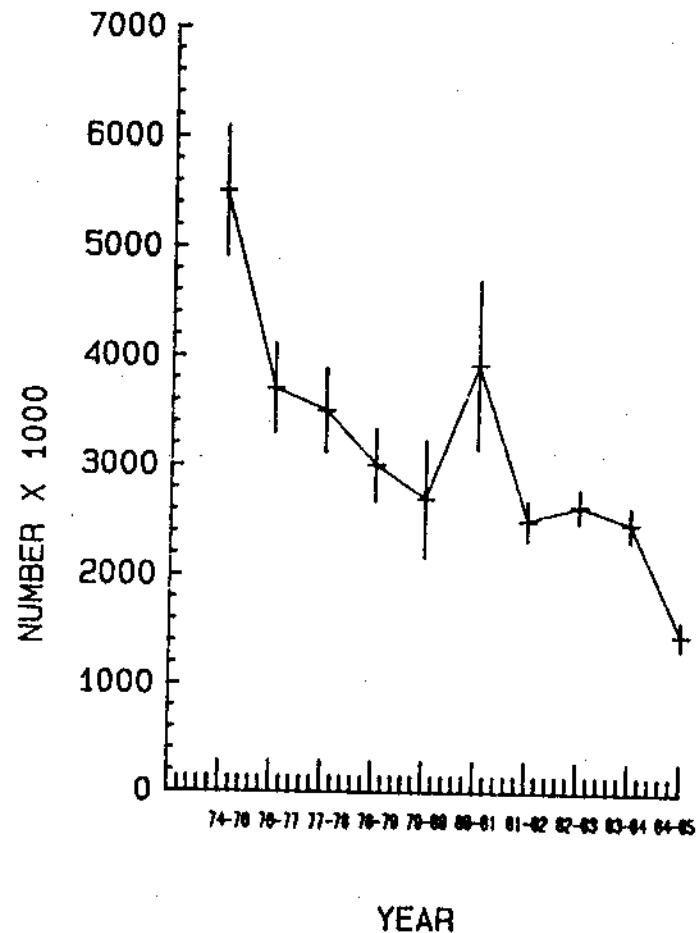


FIGURE 1. COASTWIDE ANNUAL PRIVATE-BOAT FISHING PRESSURE (± 1 SE) AND LANDINGS (± 1 SE) IN TEXAS BAYS AND PASSES, MAY 1974-MAY 1985.

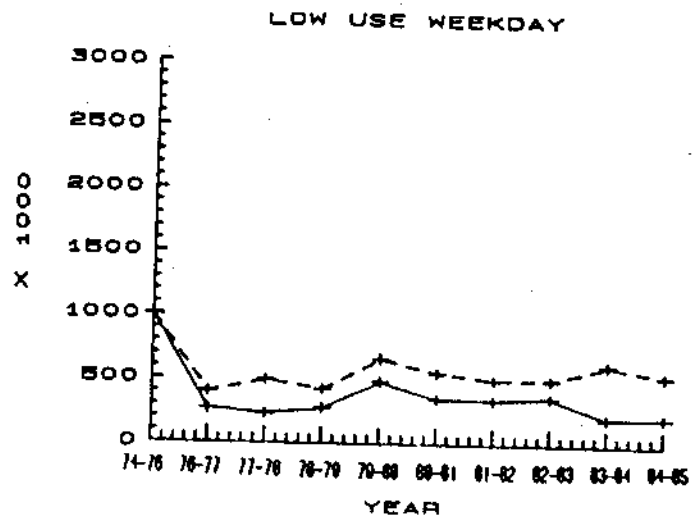
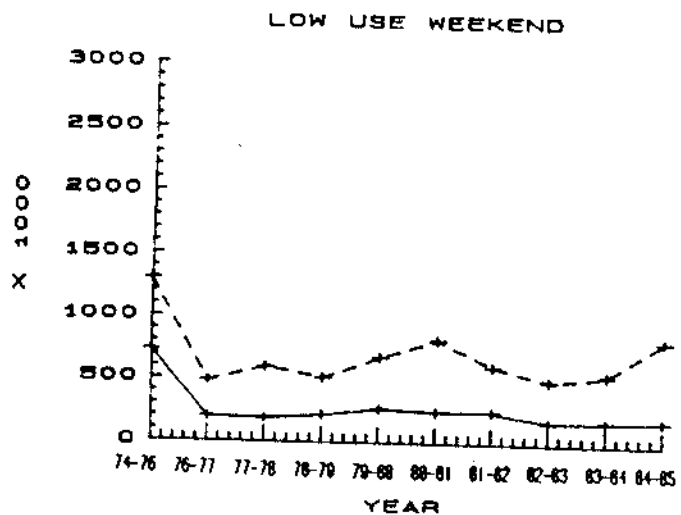
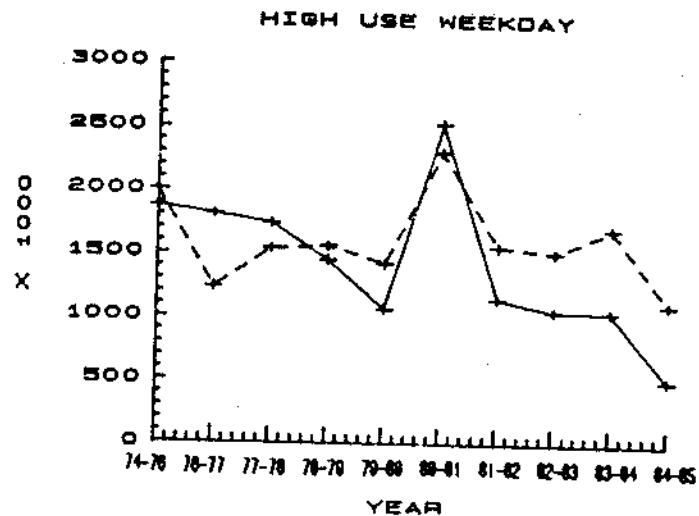
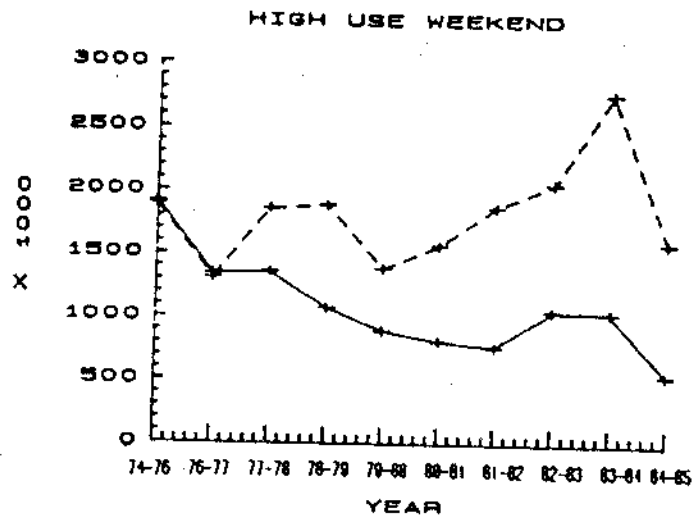


FIGURE 2. COASTWIDE ANNUAL PRIVATE-BOAT FISHING PRESSURE (+---+) IN MAN-H AND LANDINGS (+---) IN NUMBER OF FINFISH FROM TEXAS BAYS AND PASSES BY SEASON AND DAYTYPE, MAY 1974-MAY 1985.

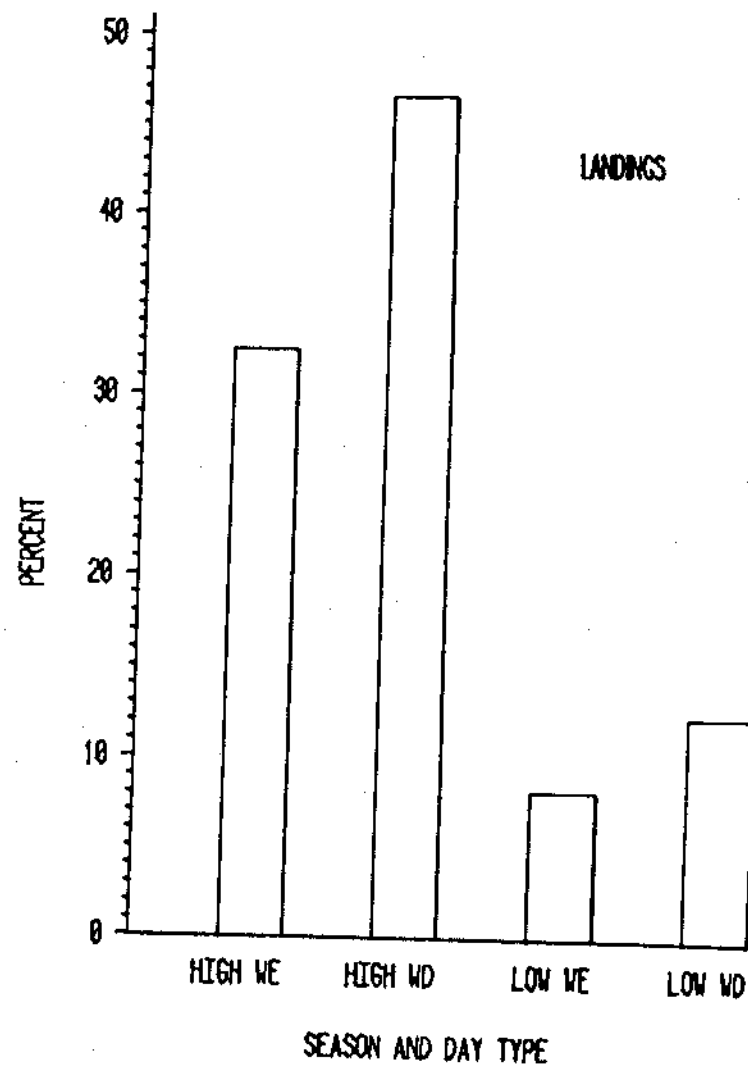
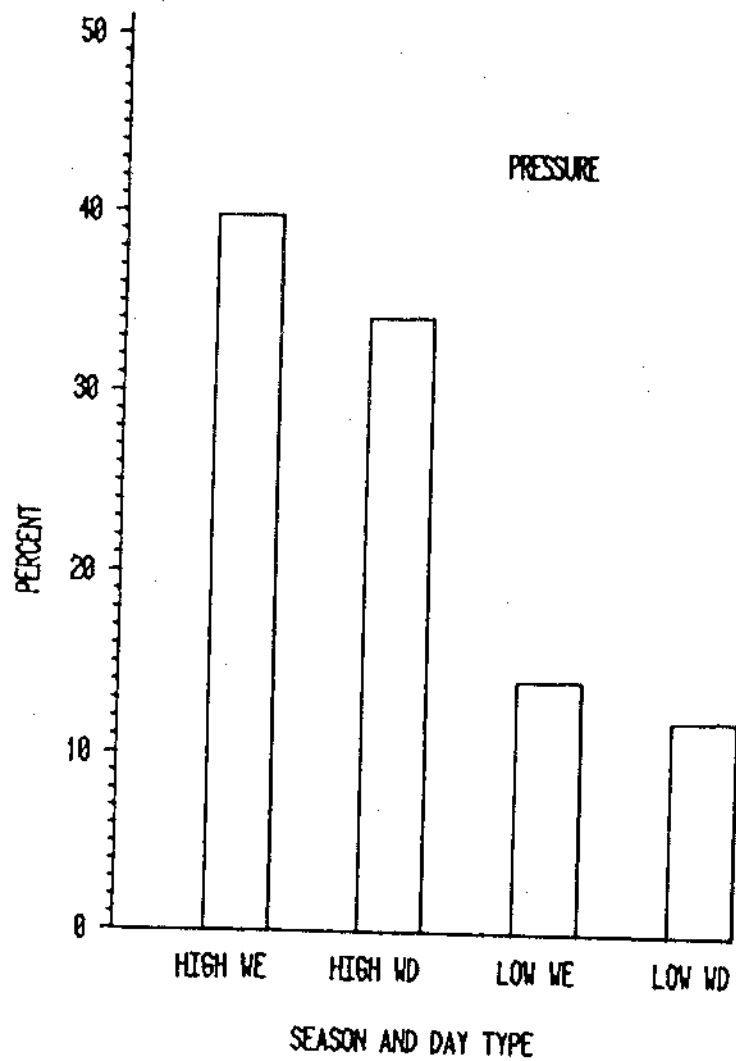


FIGURE 3. PERCENT DISTRIBUTION OF ANNUAL COASTWIDE BAY AND PASS PRIVATE-BOAT FISHING PRESSURE AND LANDINGS BY SEASON AND DAY TYPE, MAY 1979-MAY 1985 (6-YEAR MEAN). WE=WEEKEND DAYS. WD=WEEKDAYS.

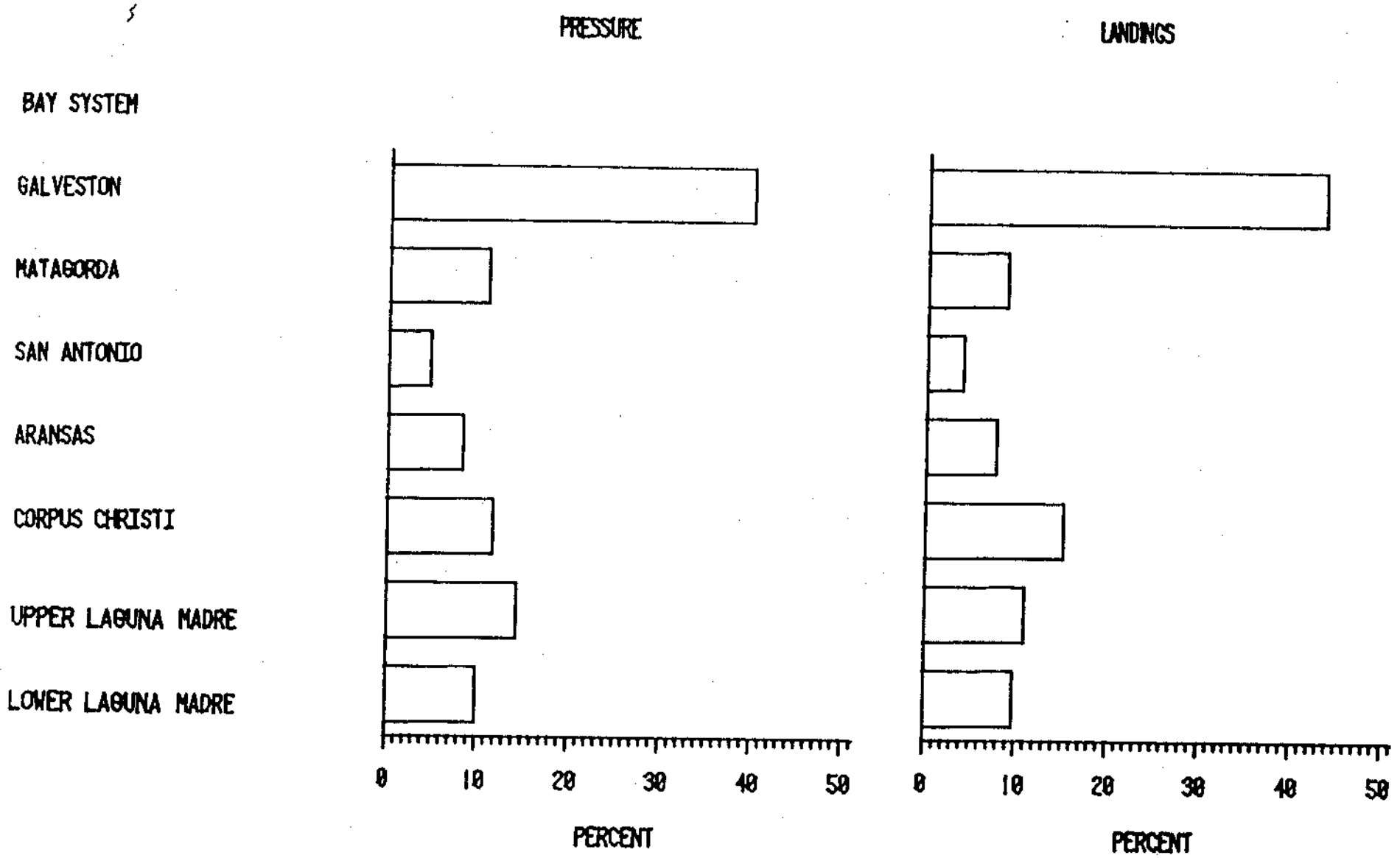


FIGURE 4. PERCENT DISTRIBUTION OF ANNUAL BAY AND PASS PRIVATE-BOAT FISHING PRESSURE AND LANDINGS BETWEEN BAY SYSTEMS, MAY 1979-MAY 1985, (6-YEAR MEAN).

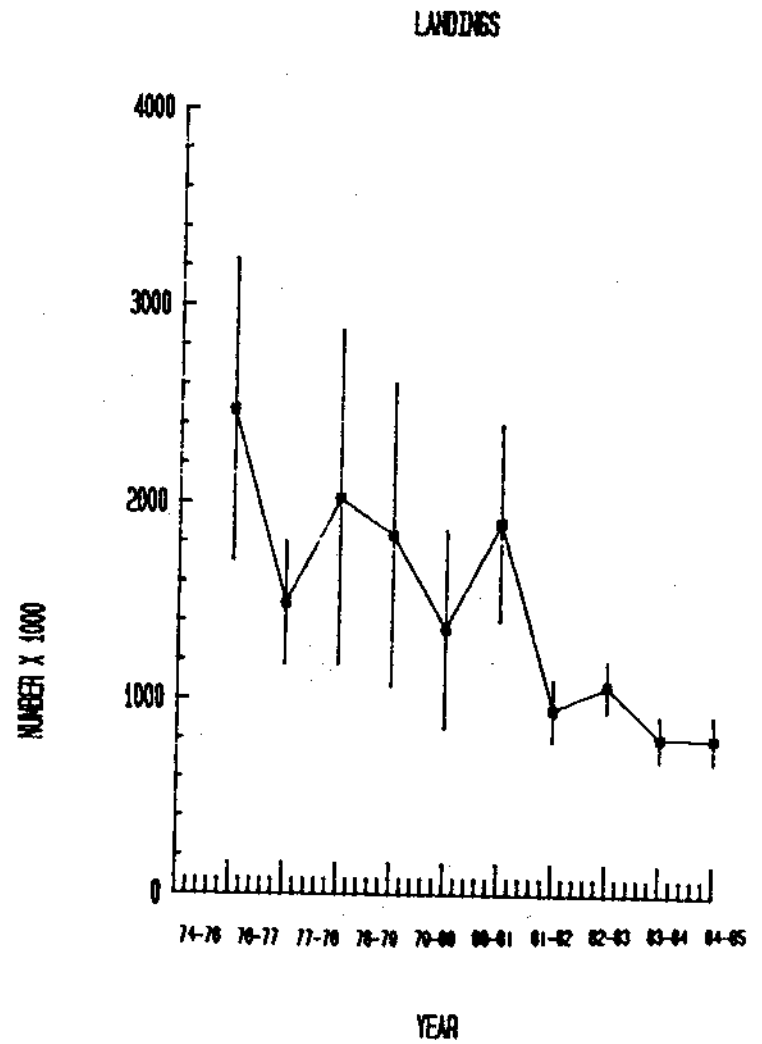
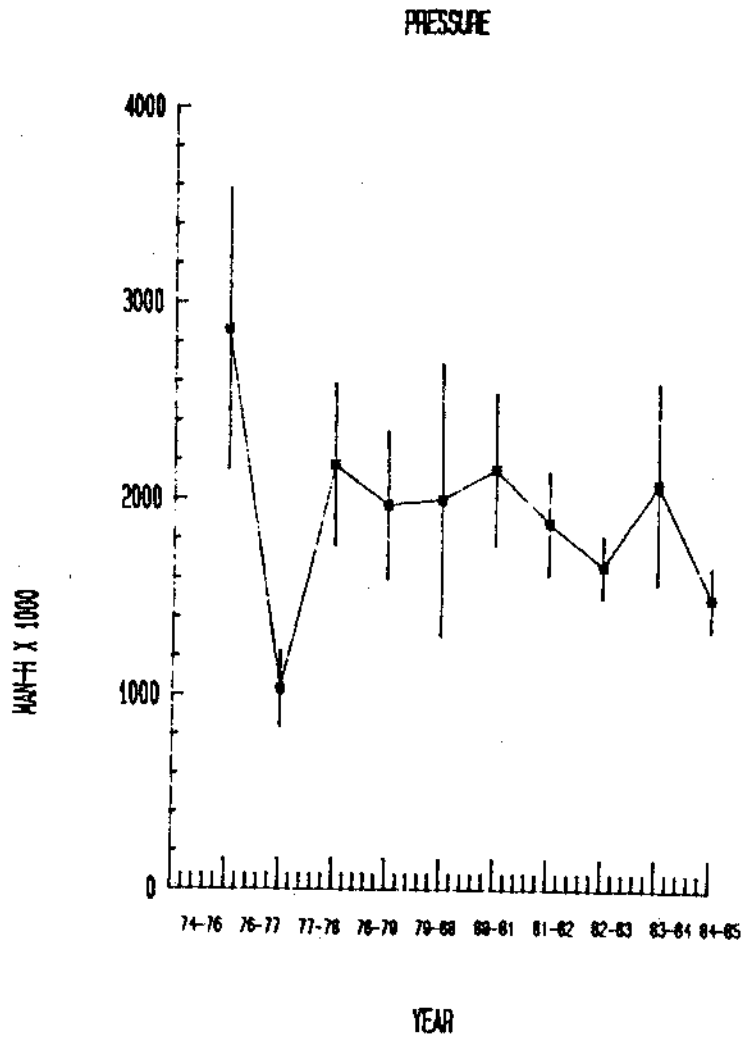


FIGURE 5. ANNUAL BAY AND PASS PRIVATE-BOAT FISHING PRESSURE (+ 1 SE) AND LANDINGS (+ 1 SE) FOR THE GALVESTON BAY SYSTEM, MAY 1974-MAY 1985.

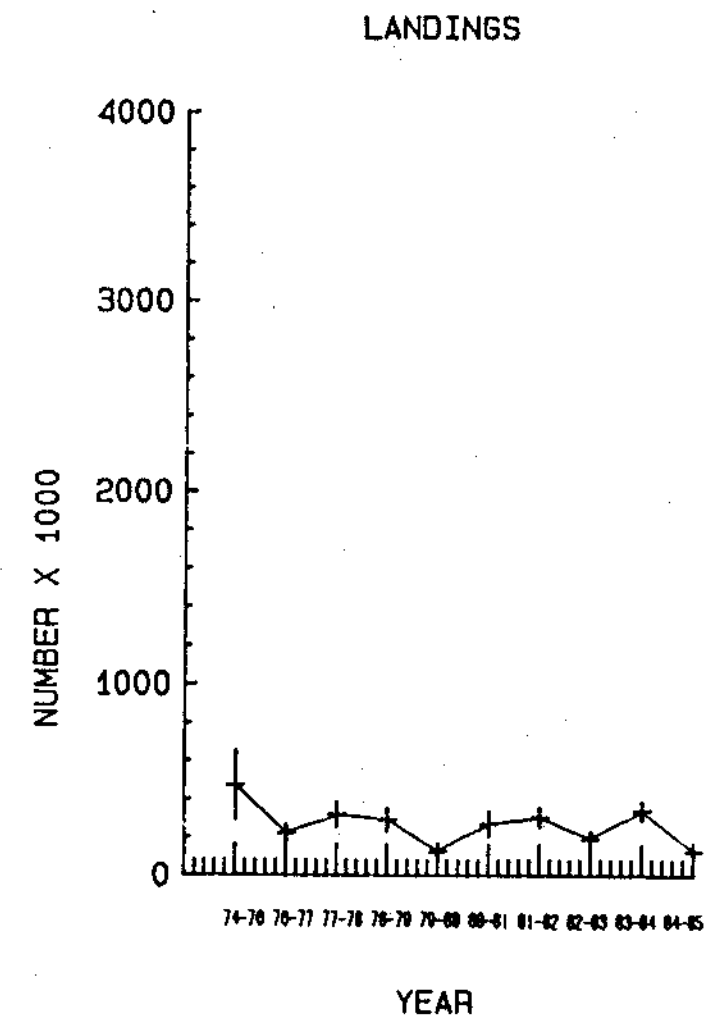
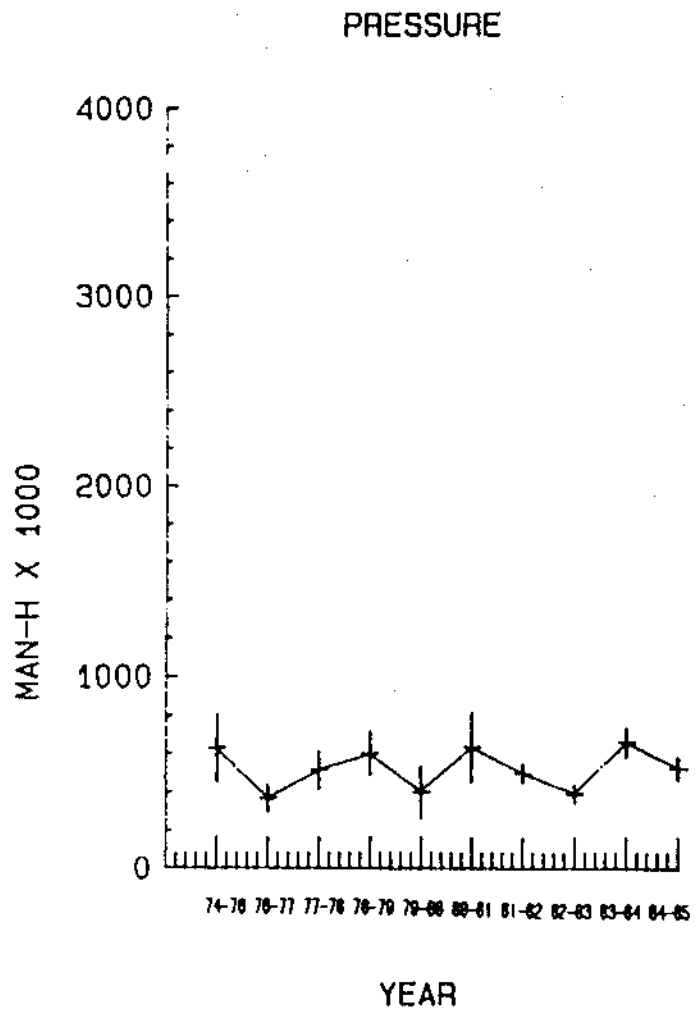


FIGURE 6. ANNUAL BAY AND PASS PRIVATE-BOAT FISHING PRESSURE (+ 1 SE) AND LANDINGS (+ 1 SE) FOR THE MATAGORDA BAY SYSTEM, MAY 1974-MAY 1985.

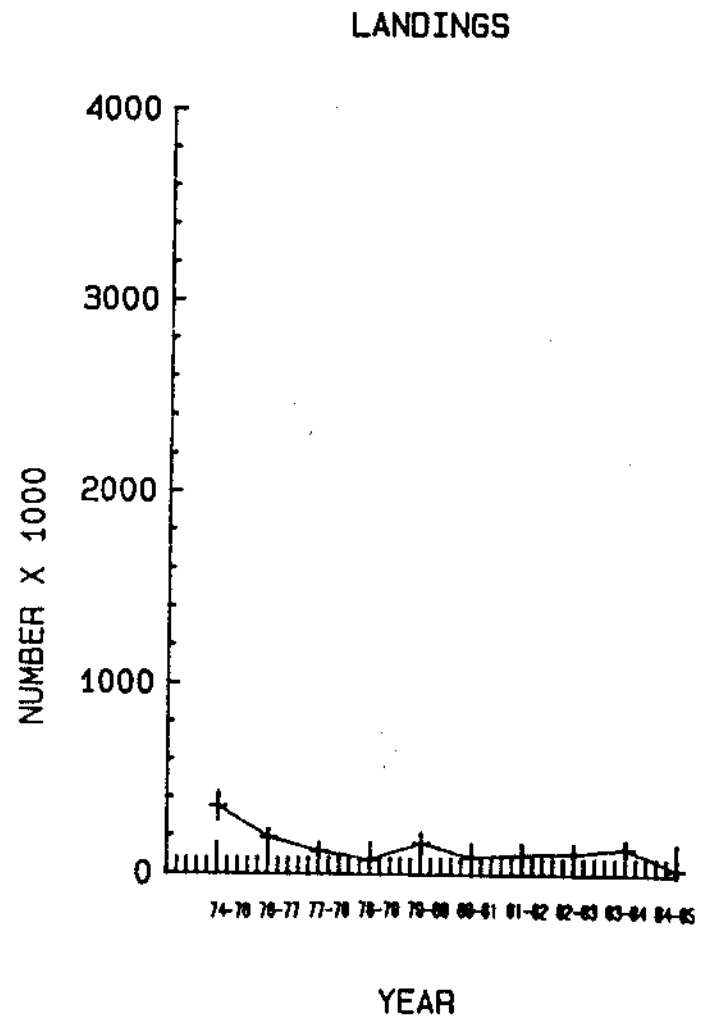
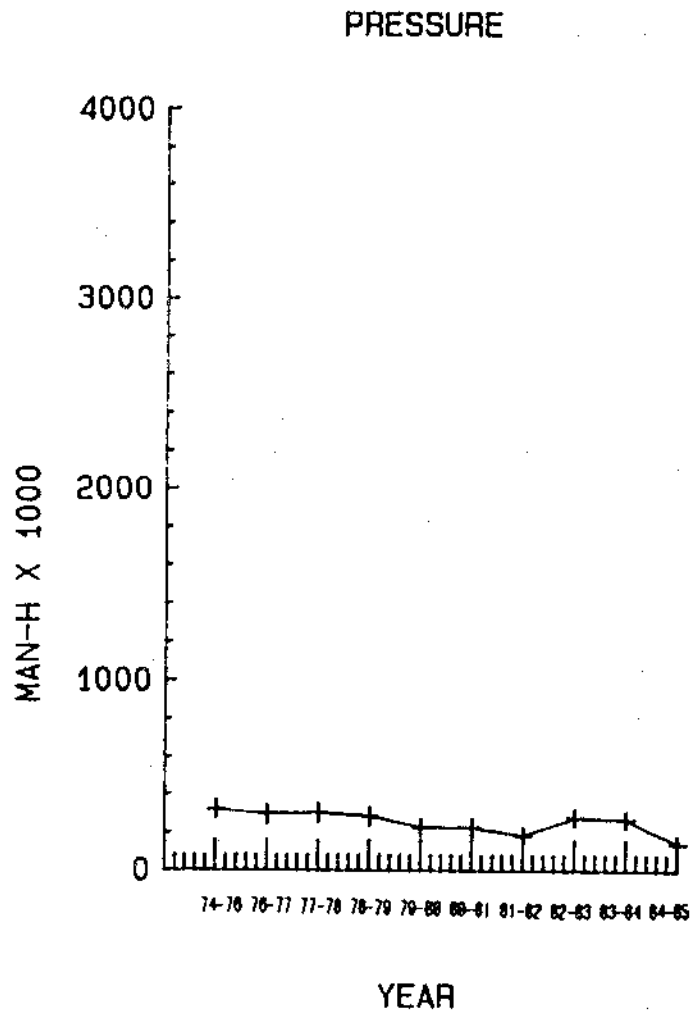


FIGURE 7. ANNUAL BAY AND PASS PRIVATE-BOAT FISHING PRESSURE (+ 1 SE) AND LANDINGS (+ 1 SE) FOR THE SAN ANTONIO BAY SYSTEM, MAY 1974-MAY 1985.

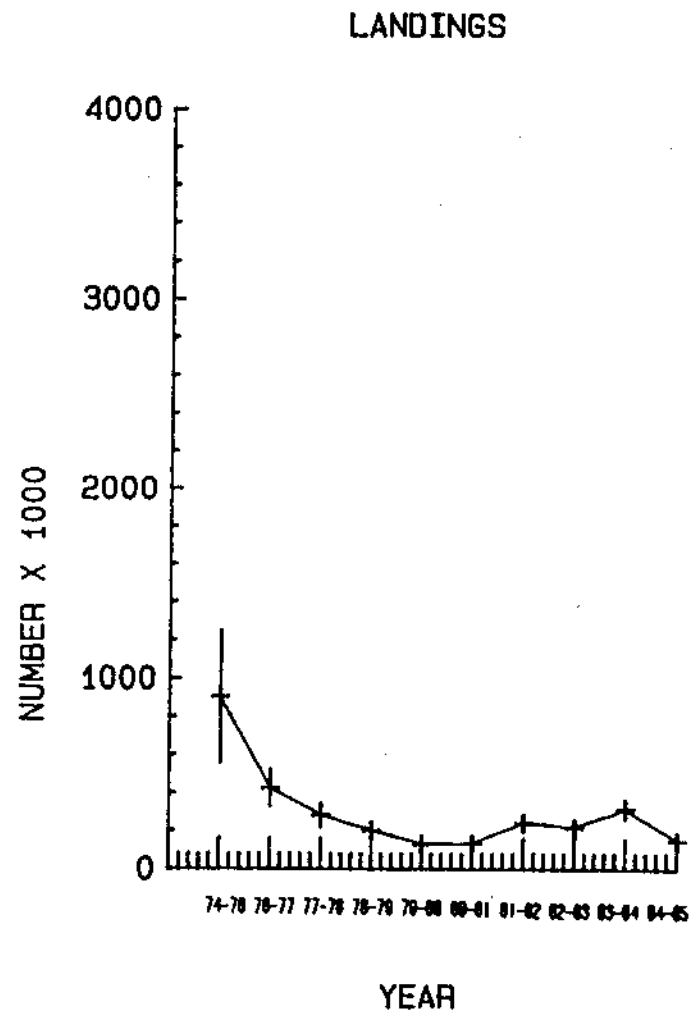
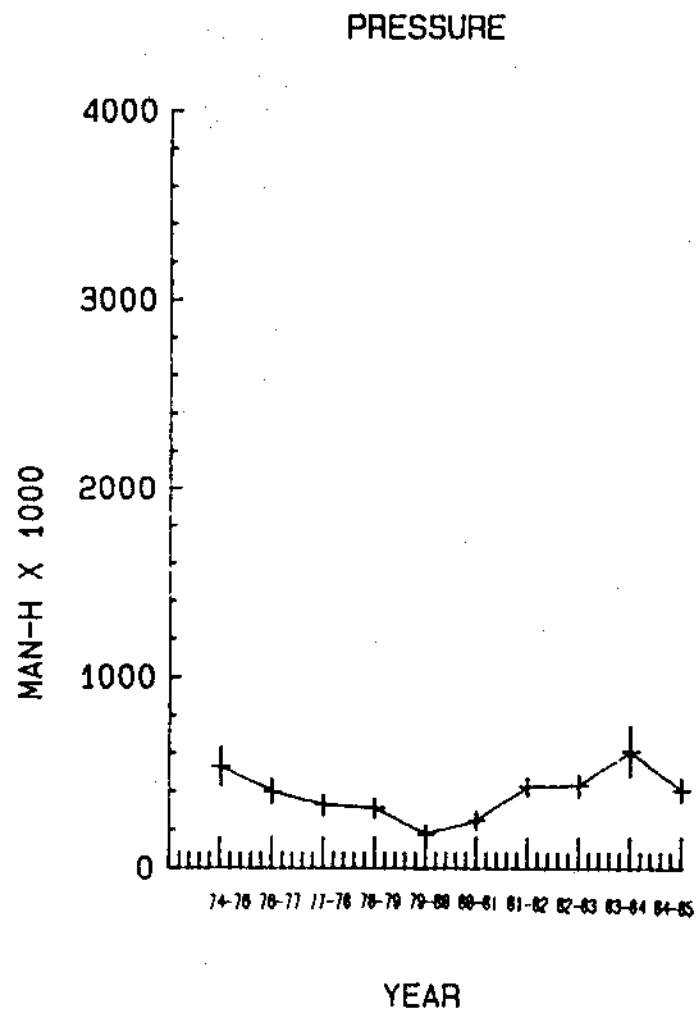
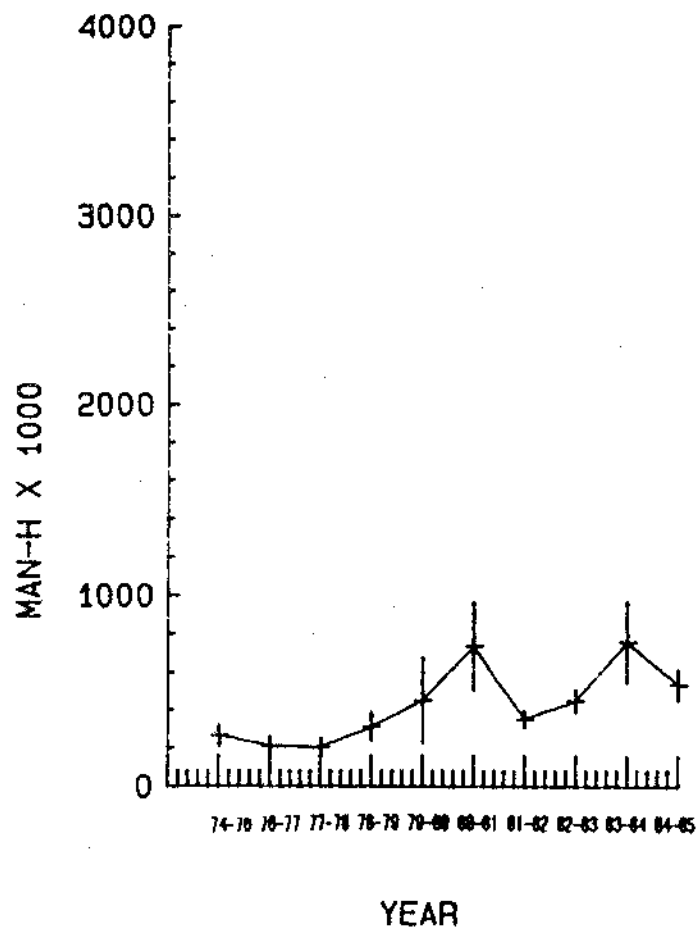


FIGURE 8. ANNUAL BAY AND PASS PRIVATE-BOAT FISHING PRESSURE (+ 1 SE) AND LANDINGS (+ 1 SE) FOR THE ARKANSAS BAY SYSTEM, MAY 1974-MAY 1985.

PRESSURE



LANDINGS

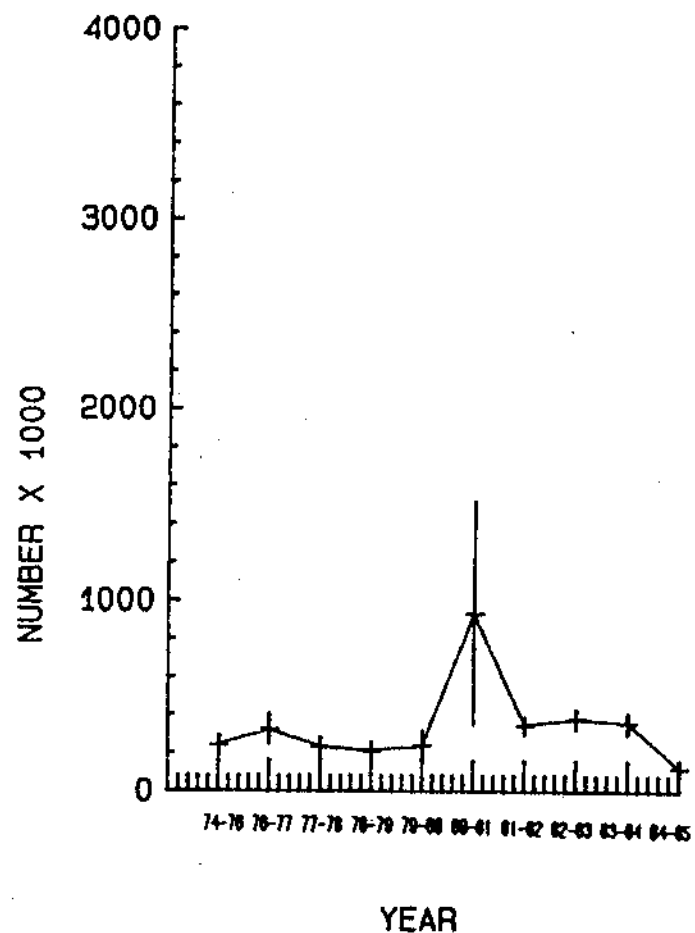
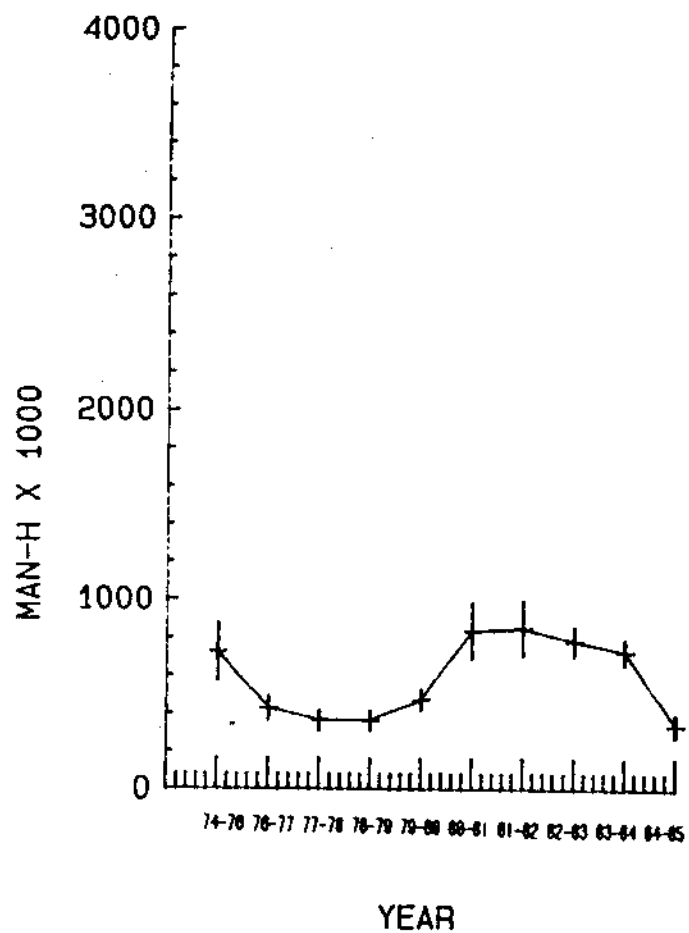


FIGURE 9. ANNUAL BAY AND PASS PRIVATE-BOAT FISHING PRESSURE (+ 1 SE) AND LANDINGS (+ 1 SE) FOR THE CORPUS CHRISTI BAY SYSTEM, MAY 1974-MAY 1985.

PRESSURE



LANDINGS

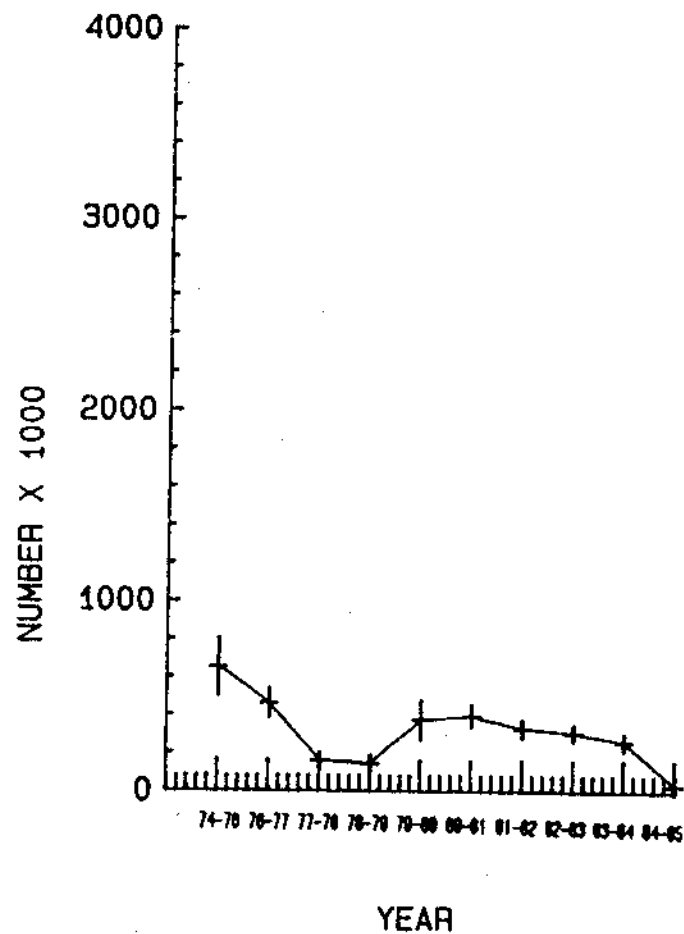
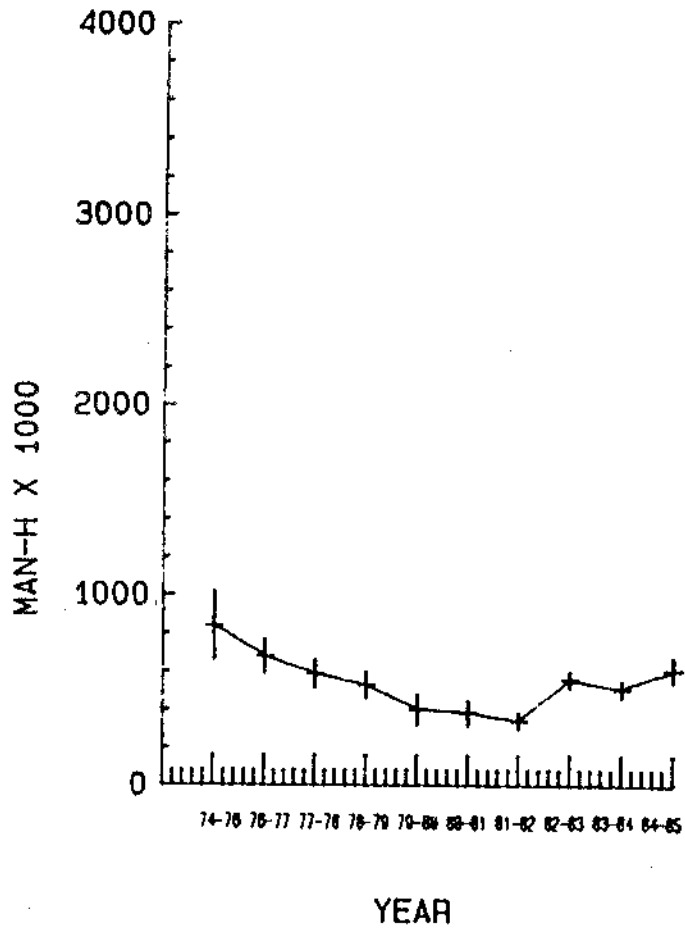


FIGURE 10. ANNUAL BAY AND PASS PRIVATE-BOAT FISHING PRESSURE. (+ 1 SE) AND LANDINGS (+ 1 SE) FOR THE UPPER LAGUNA MADRE, MAY 1974-MAY 1985.

PRESSURE



LANDINGS

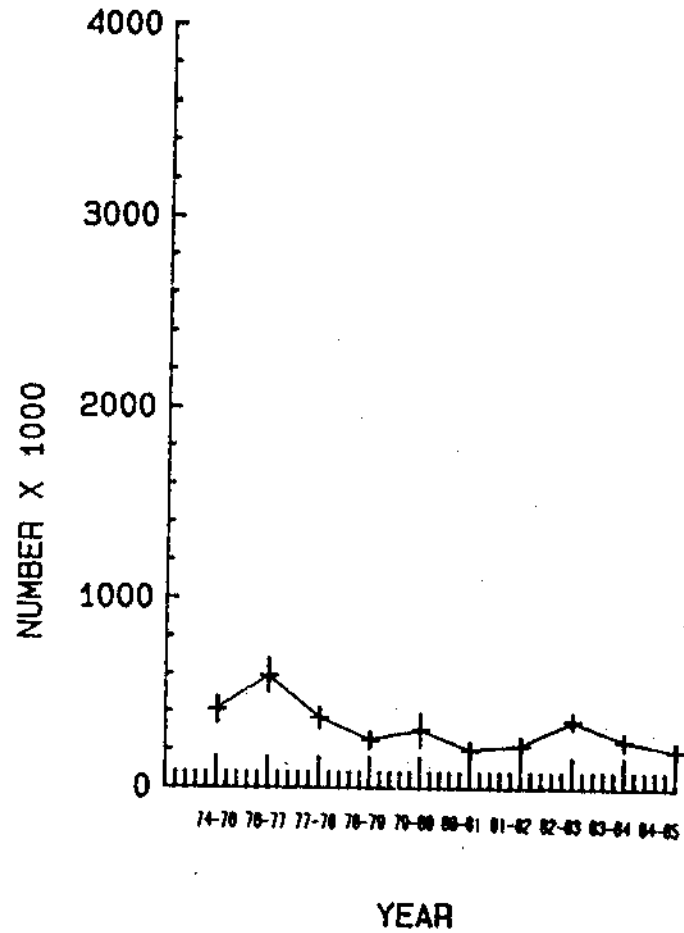


FIGURE 11. ANNUAL BAY AND PASS PRIVATE-BOAT FISHING PRESSURE. (+ 1 SE) AND LANDINGS (+ 1 SE) FOR THE LOWER LAGUNA MADRE, MAY 1974-MAY 1985.

SPECIES

SPOTTED SEATROUT

SAND SEATROUT

ATLANTIC CROAKER

SOUTHERN FLOUNDER

RED DRUM

SHEEPSHEAD

BLACK DRUM

GAFFTOPSAIL CATFISH

OTHER SPECIES

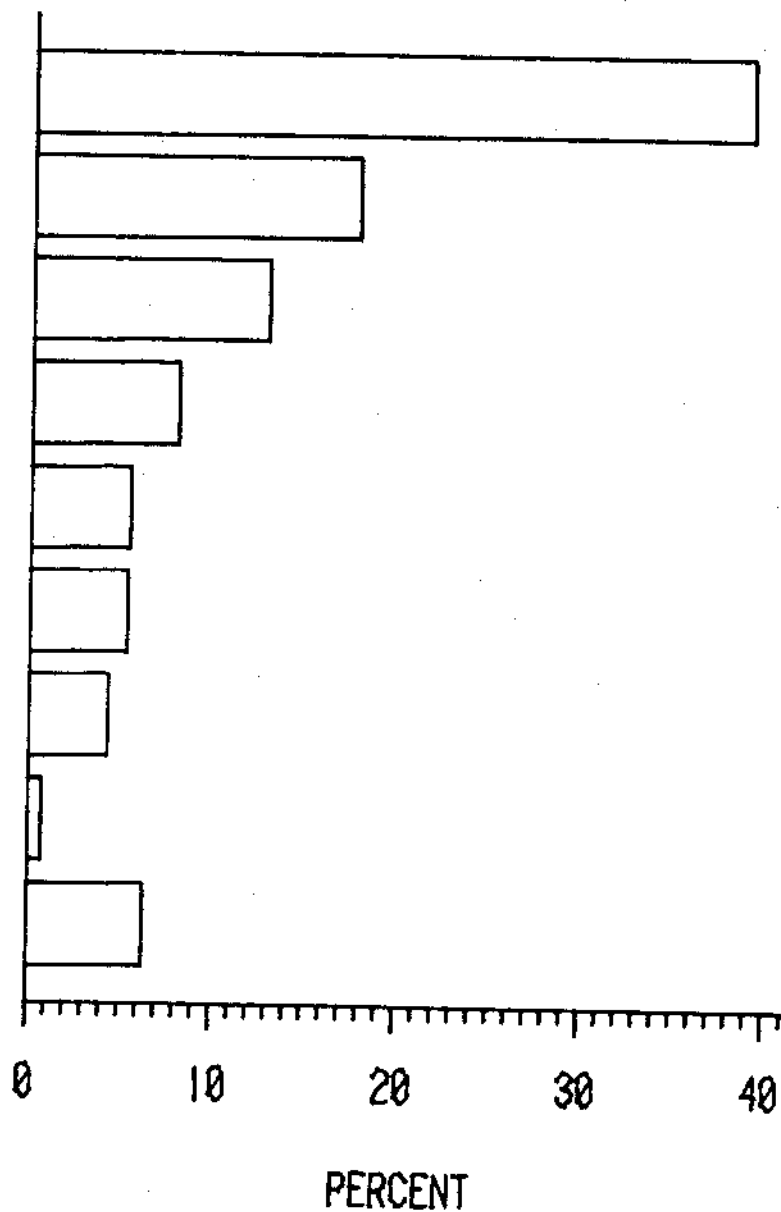


FIGURE 12. SPECIES COMPOSITION (%) OF COASTWIDE ANNUAL FINFISH LANDINGS BY BAY AND PASS PRIVATE-BOAT FISHERMEN, MAY 1979-MAY 1985, (6-YEAR MEAN).

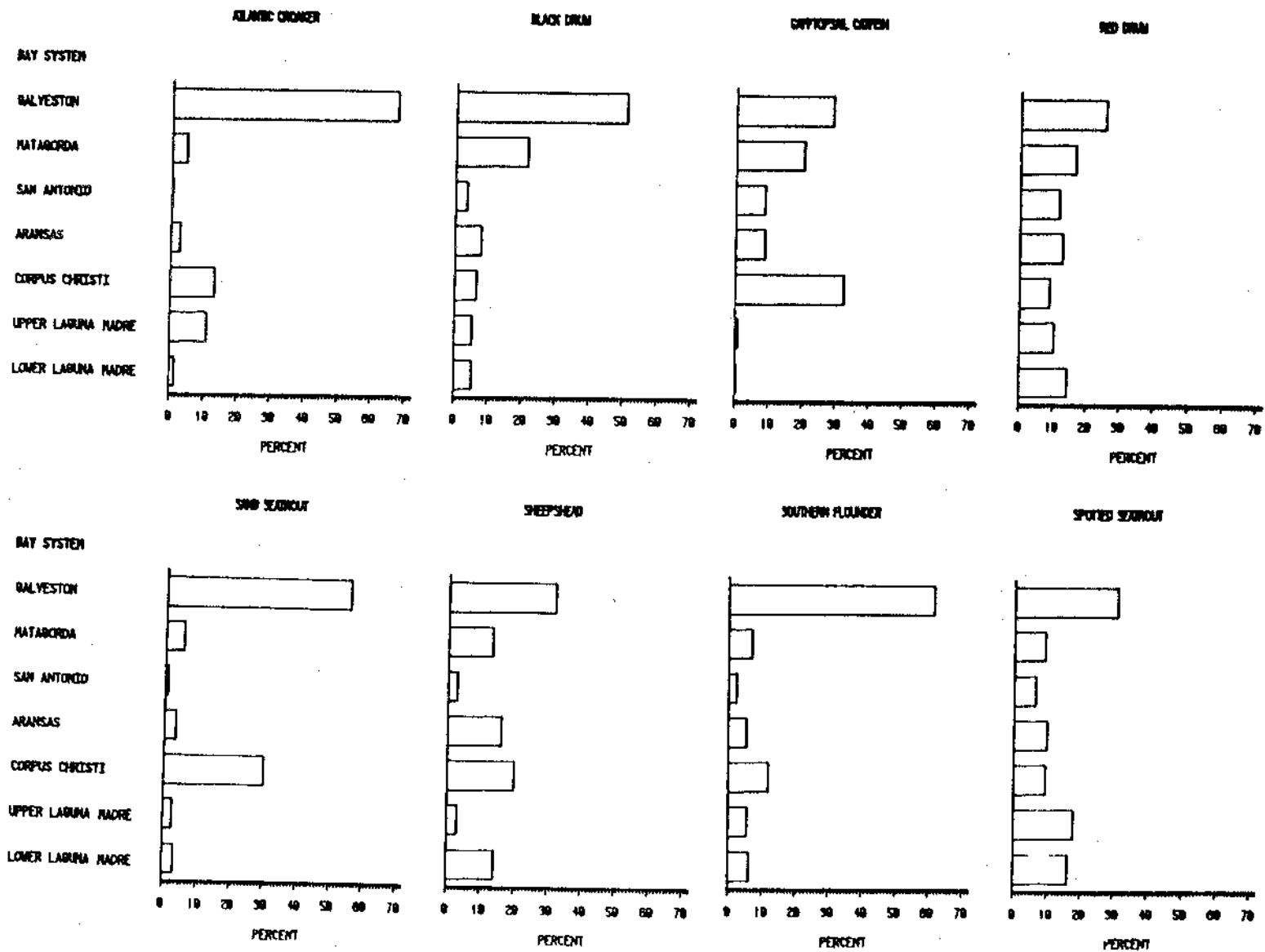


FIGURE 13. DISTRIBUTION (%) OF ANNUAL LANDINGS OF SELECTED FINFISH CAUGHT BY BAY AND PASS PRIVATE-BOAT FISHERMEN AMONG BAY SYSTEMS, MAY 1979-MAY 1985, (6 YEAR MEAN).

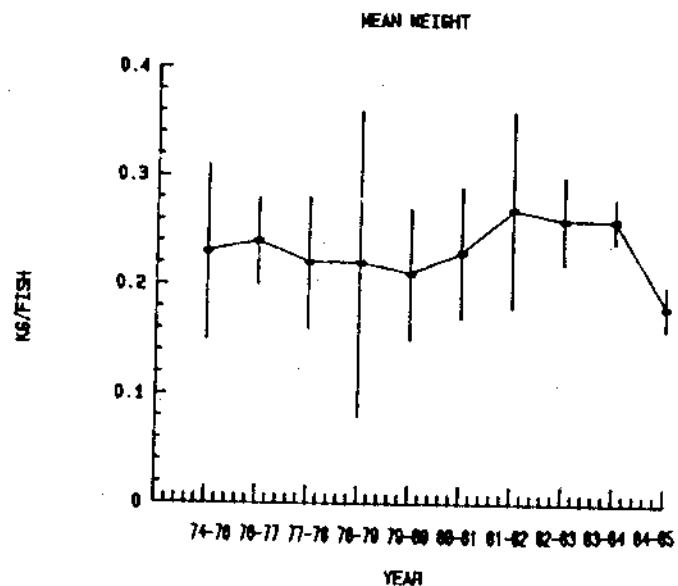
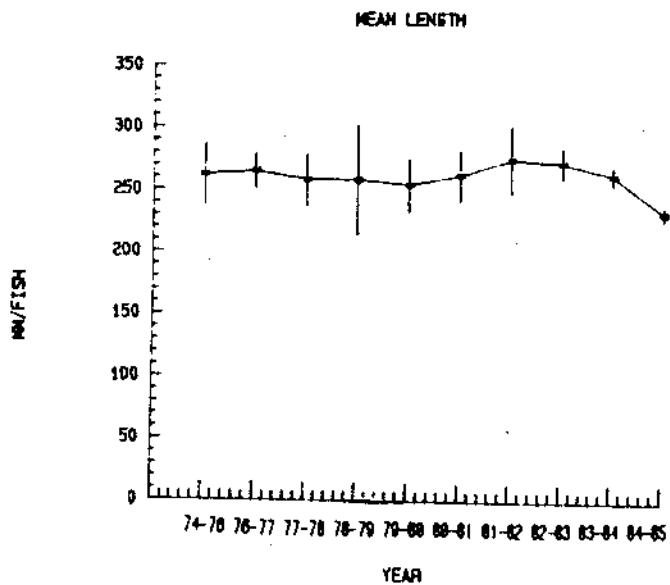
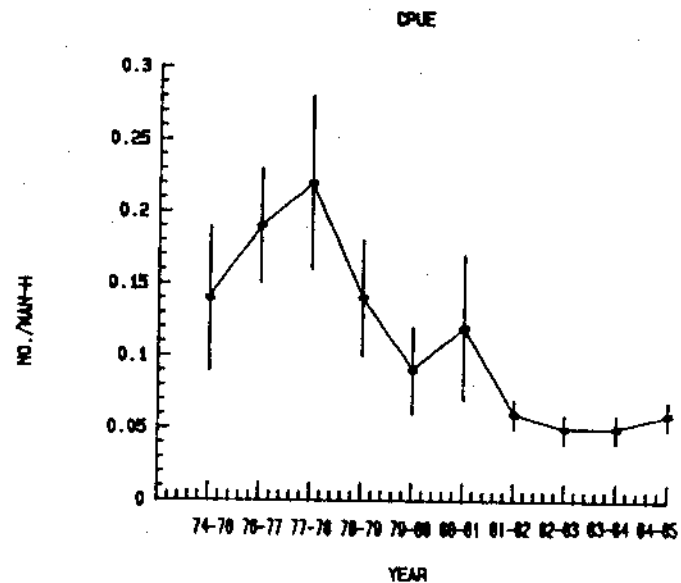
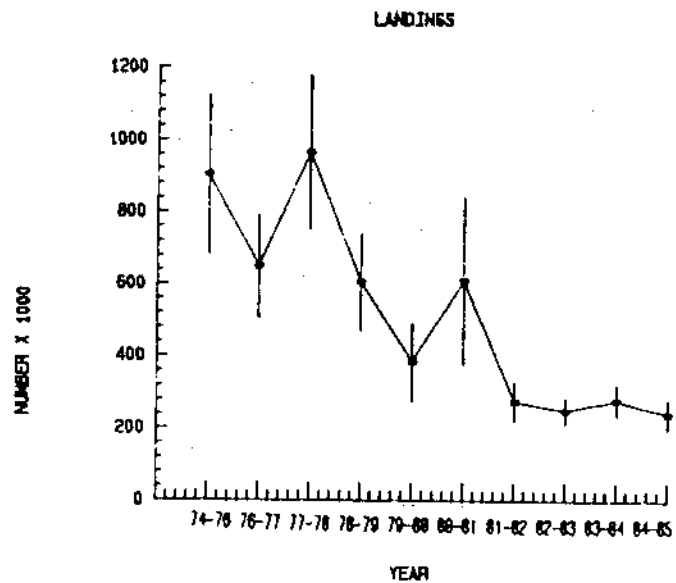


FIGURE 14. COASTWIDE ANNUAL STATISTICS FOR ATLANTIC CROAKER LANDED FROM BAYS AND PASSES BY PRIVATE-BOAT FISHERMEN, MAY 1974-MAY 1985.

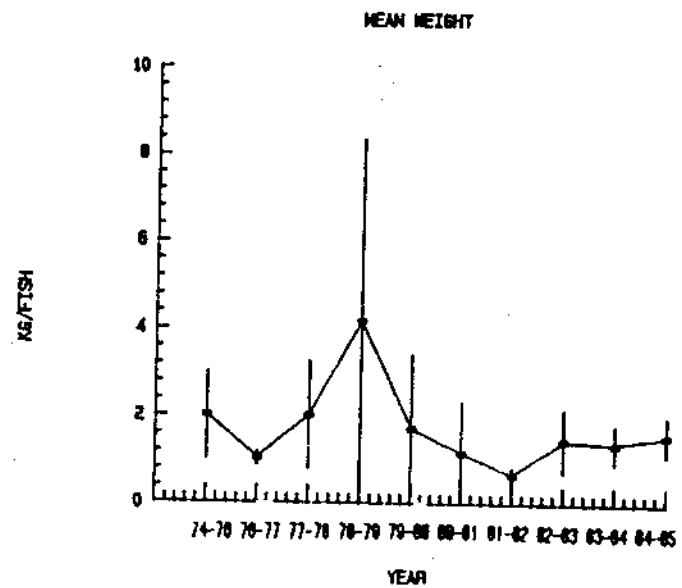
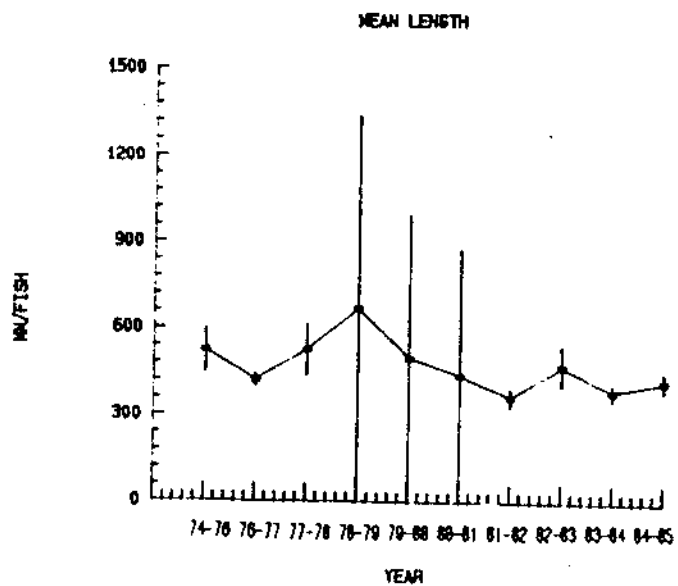
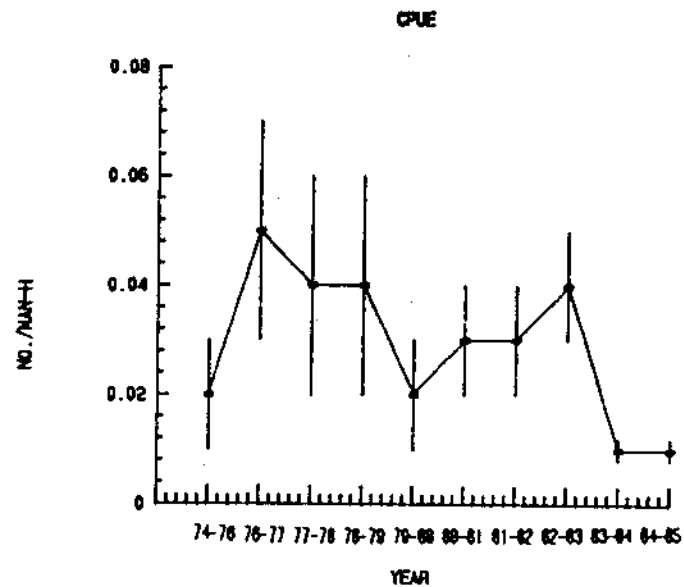
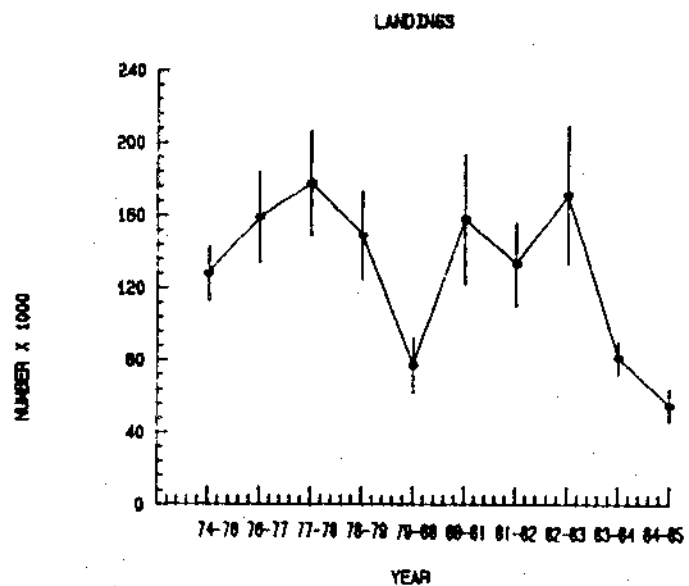


FIGURE 15. COASTWIDE ANNUAL STATISTICS FOR BLACK DRUM LANDED FROM BAYS AND PASSES BY PRIVATE-BOAT FISHERMEN, MAY 1974-MAY 1985.

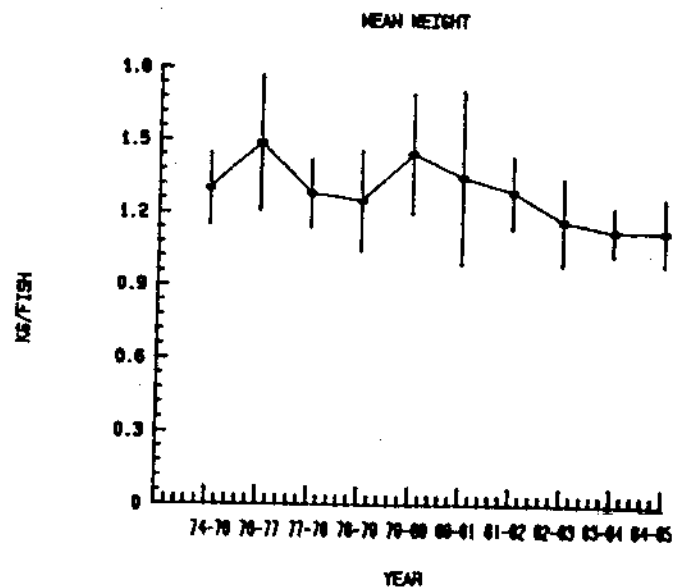
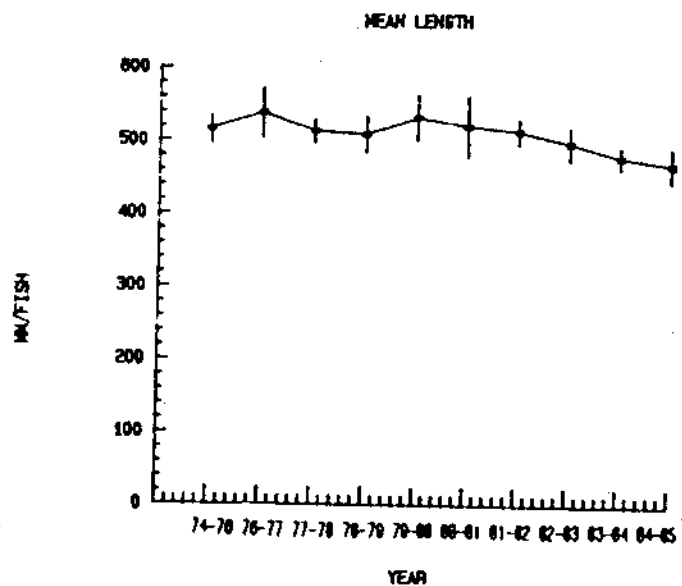
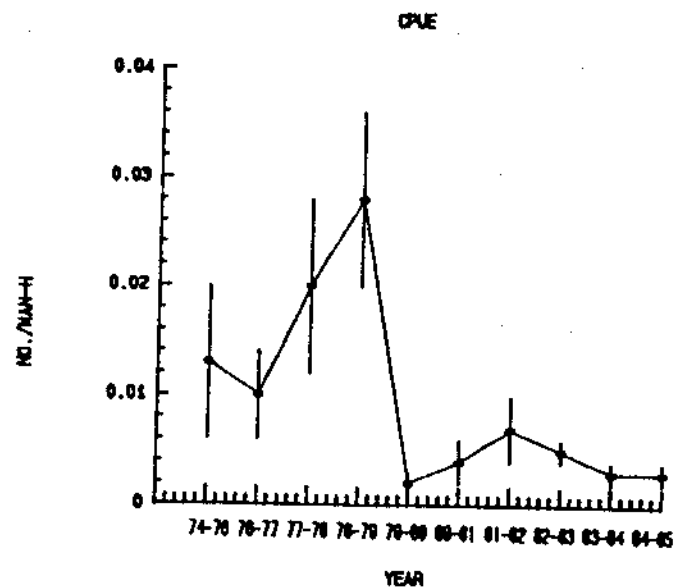
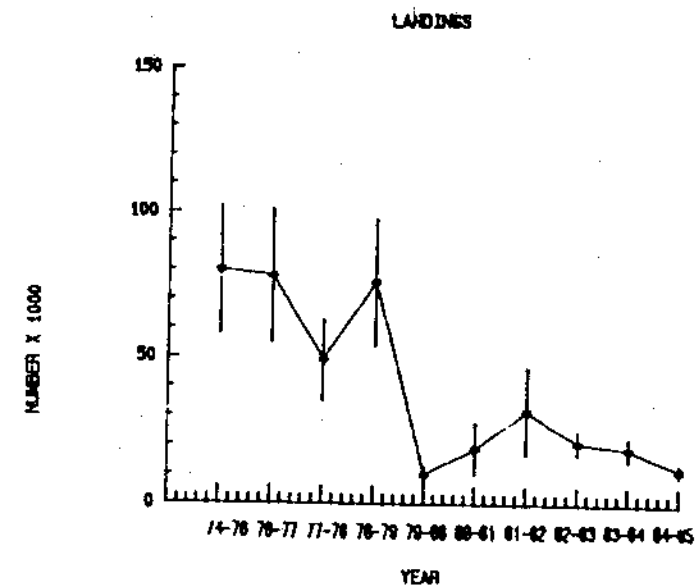


FIGURE 16. COASTWIDE ANNUAL STATISTICS FOR GAFTOPSAIL CATFISH LANDED FROM BAYS AND PASSES BY PRIVATE-BOAT FISHERMEN, MAY 1974-MAY 1985.

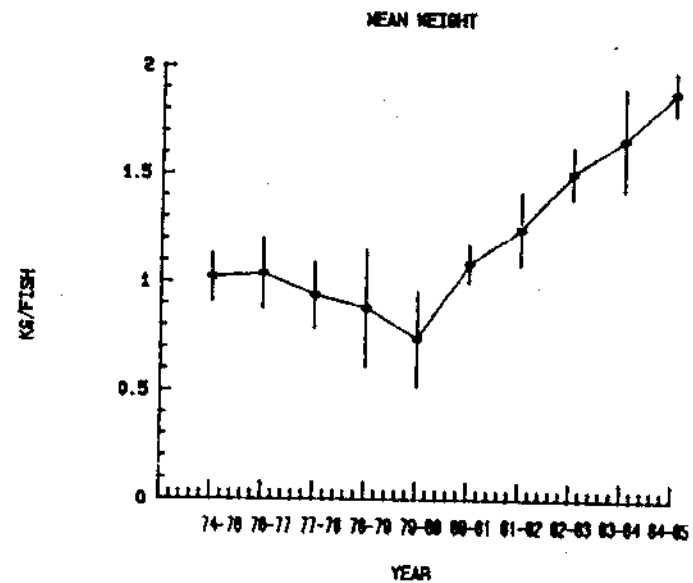
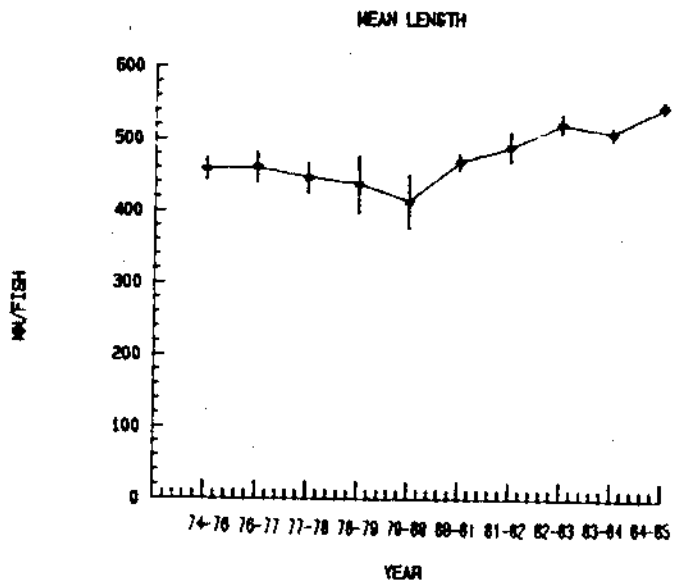
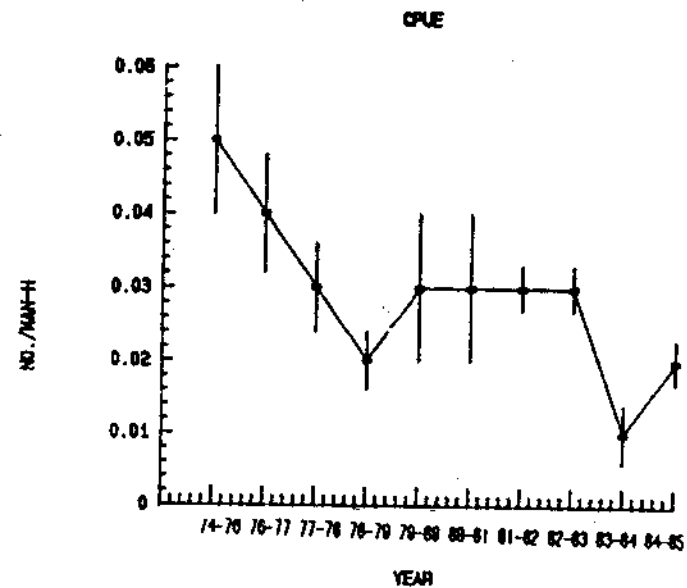
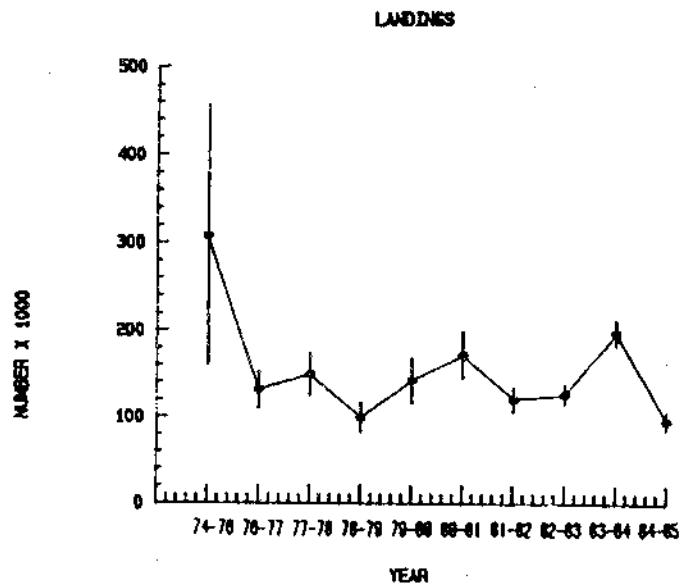


FIGURE 17. COASTWIDE ANNUAL STATISTICS FOR RED DRUM LANDED FROM BAYS AND PASSES BY PRIVATE-BOAT FISHERMEN, MAY 1974-MAY 1985.

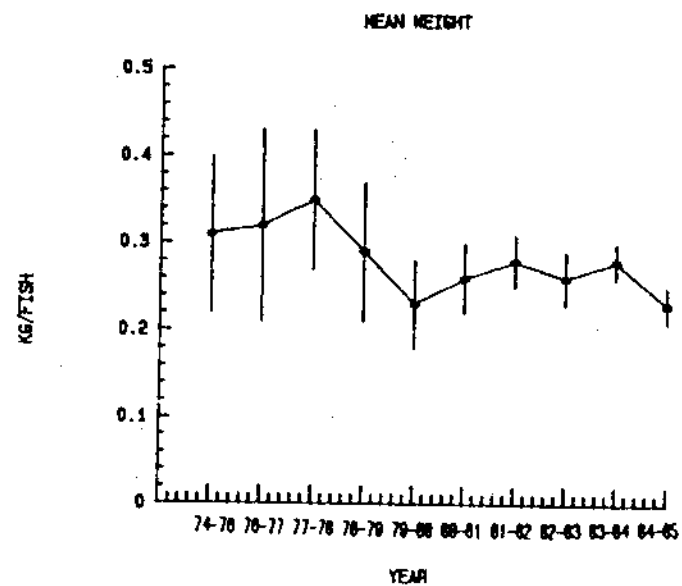
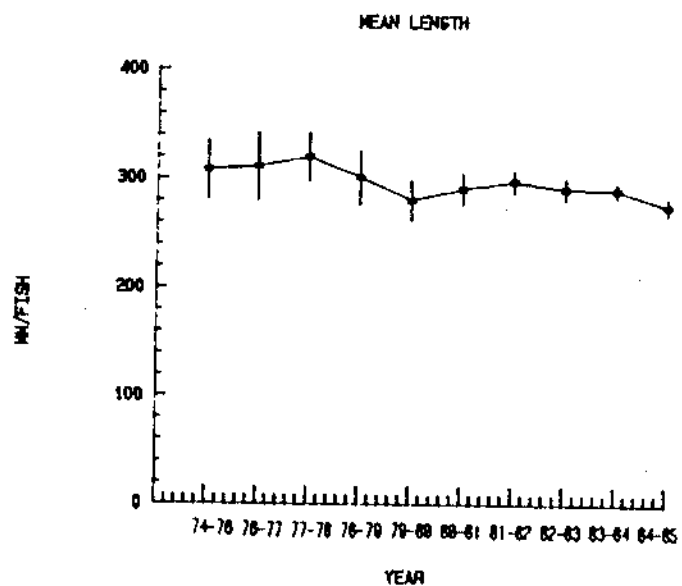
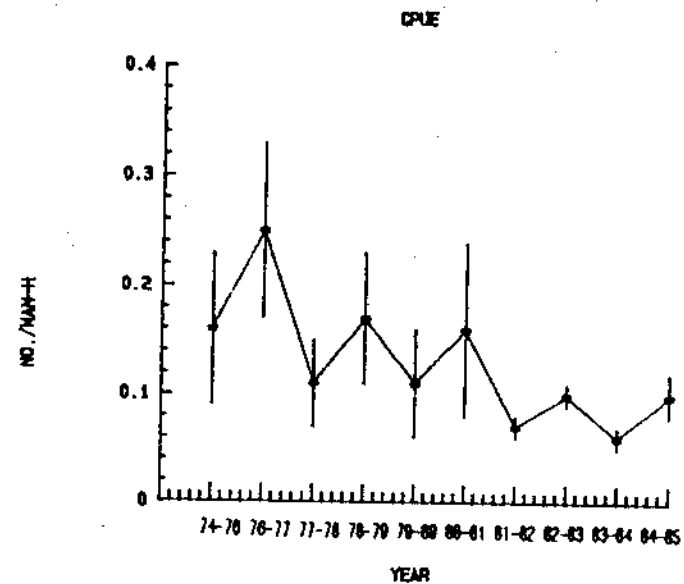
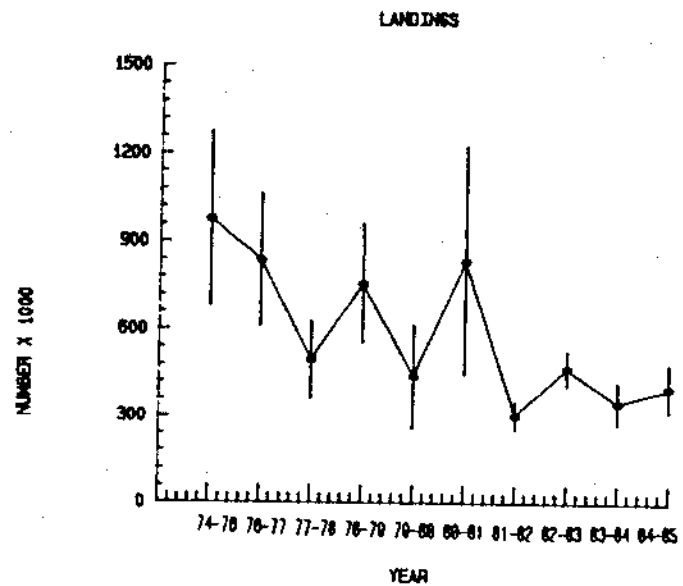


FIGURE 18. COASTWIDE ANNUAL STATISTICS FOR SAND SEATROUT LANDED FROM BAYS AND PASSES BY PRIVATE-BOAT FISHERMEN, MAY 1974-MAY 1985.

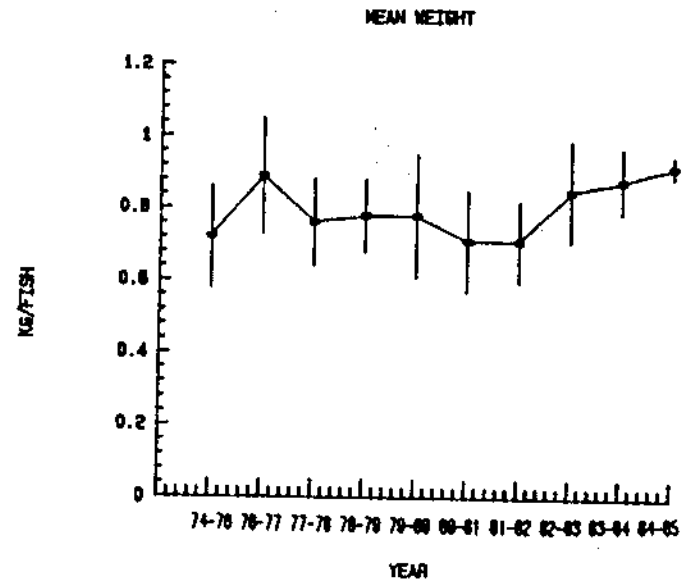
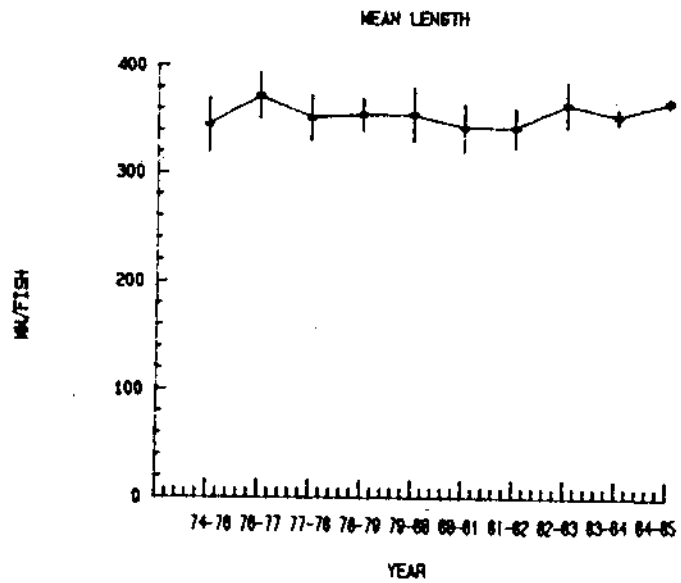
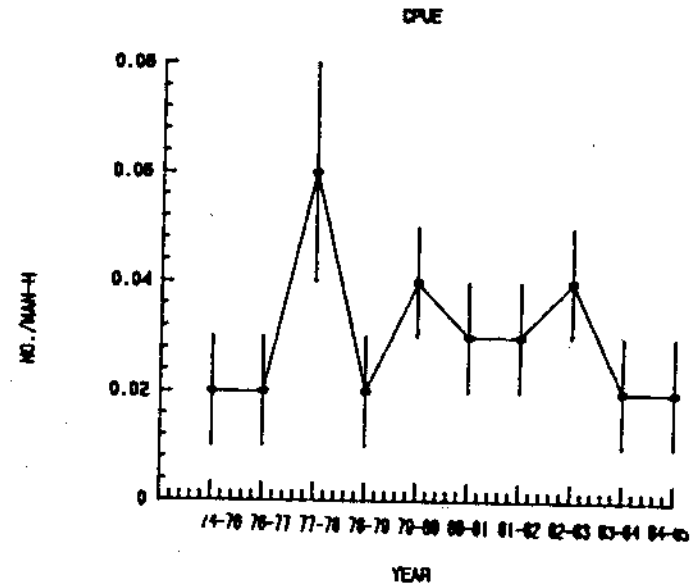
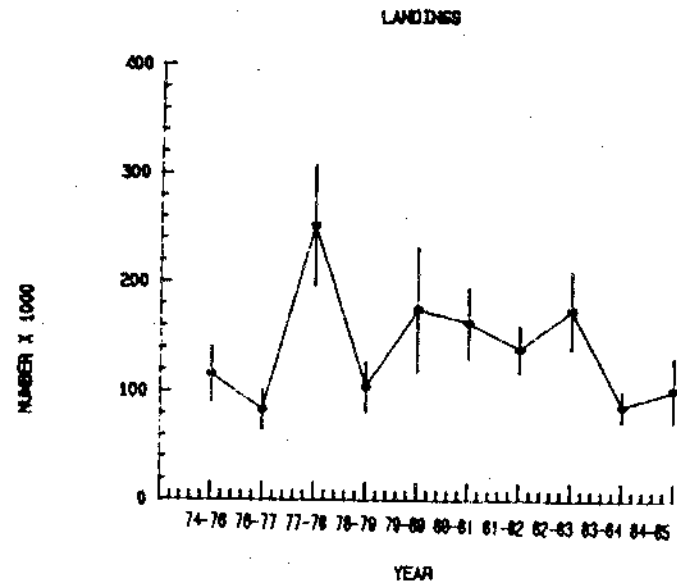


FIGURE 19. COASTWIDE ANNUAL STATISTICS FOR SHEEPSHEAD LANDED FROM BAYS AND PASSES BY PRIVATE-BOAT FISHERMEN, MAY 1974-MAY 1985.

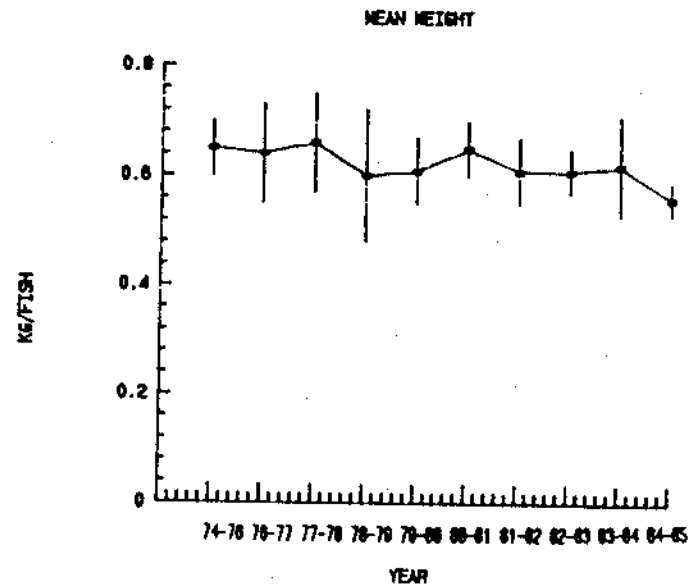
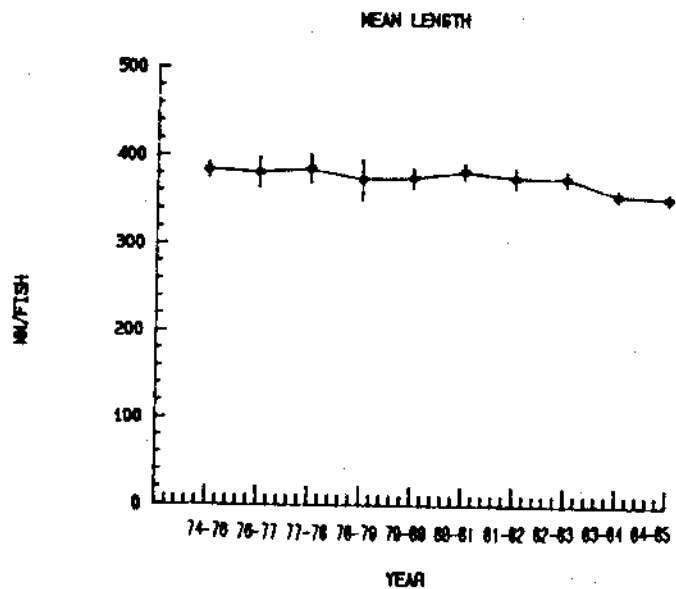
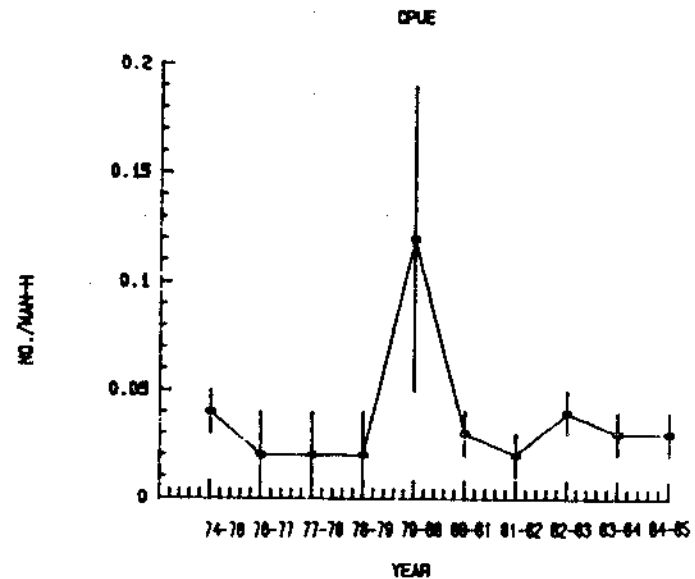
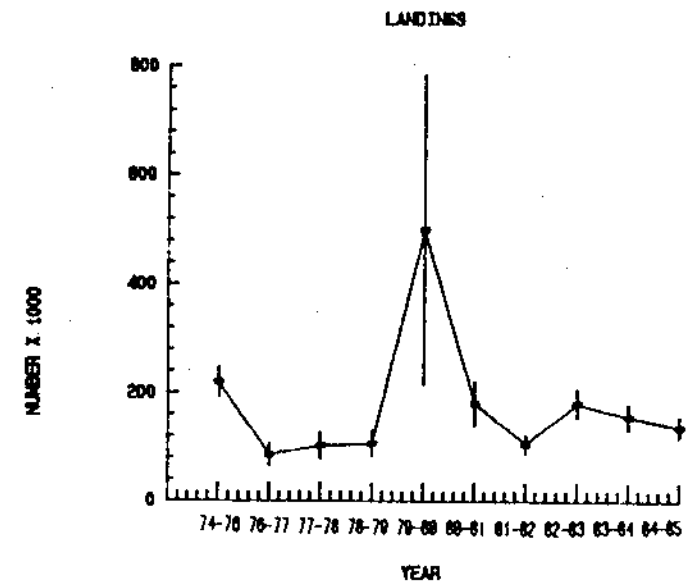


FIGURE 20. COASTWIDE ANNUAL STATISTICS FOR SOUTHERN FLOUNDER LANDED FROM BAYS AND PASSES BY PRIVATE-BOAT FISHERMEN, MAY 1974-MAY 1985.

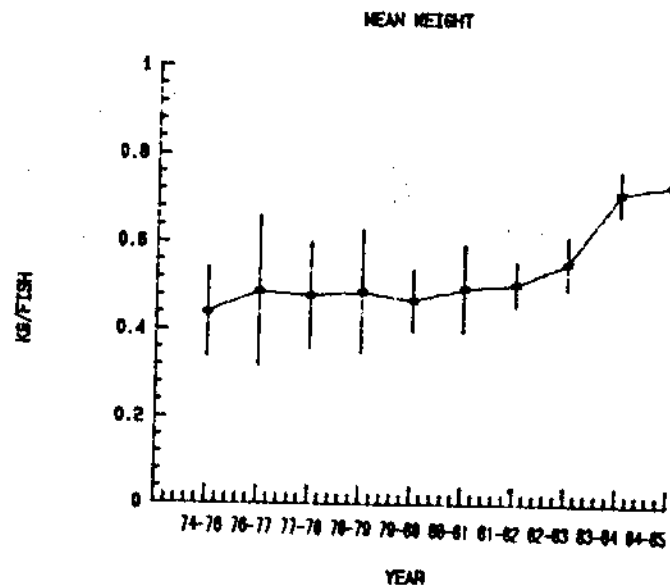
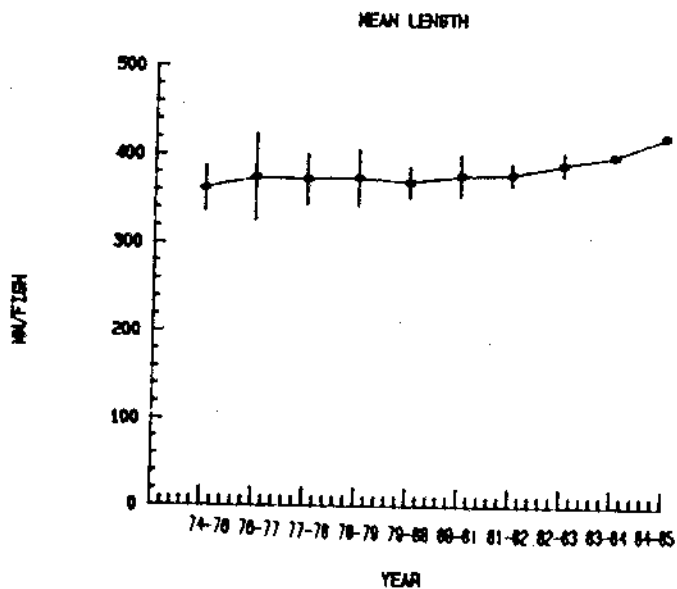
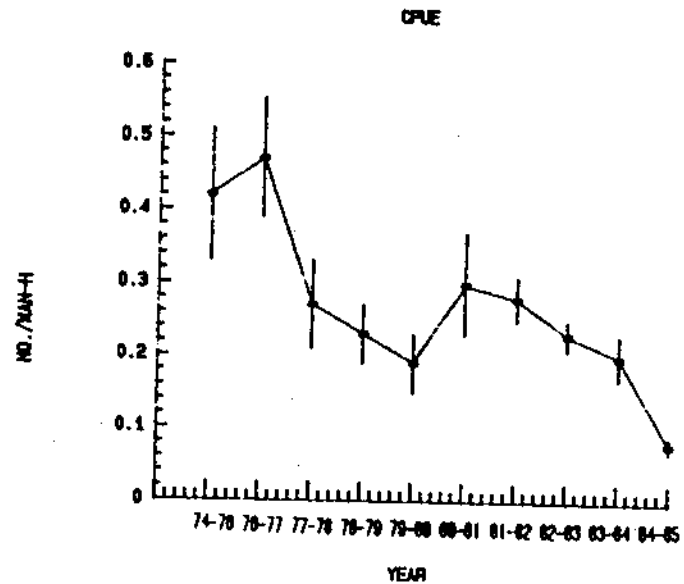
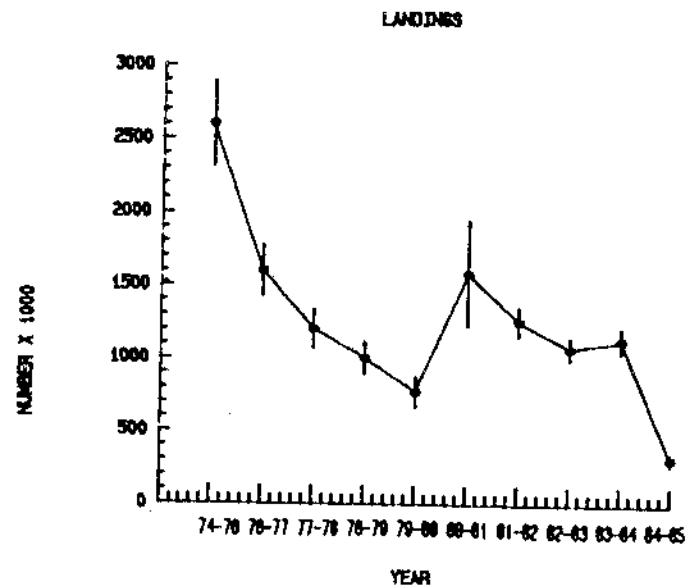


FIGURE 21. COASTWIDE ANNUAL STATISTICS FOR SPOTTED SEATROUT LANDED FROM BAYS AND PASSES BY PRIVATE BOAT FISHERMEN, MAY 1974-MAY 1985.

Appendix A: Pass descriptions.

PASS DESCRIPTIONS

Prior to May 1983, pass fishing was defined as having fished gulfward of the surfline but within 1.6 km of an "open" pass. Gulf fishing included fishing in the TTS and the FCZ. Beginning May 1983 passes were specifically defined as follows:

Galveston Bay

Rollover Pass is the area between the junction with Rollover Bay, extending 1.6 km gulfward of the surf line.

Bolivar Roads is the area east of a line between the ferry landings in Port Bolivar to a range marker at the Coast Guard Station at Fort Point and 1.6 km gulfward of the end of the jetties.

Quintana Channel is the area between the Intracoastal Waterway southeast to 1.6 km gulfward of the end of the jetties.

San Luis Pass is the area 0.8 km bayward and 1.6 km gulfward off the Vacek Bridge.

Matagorda Bay

Brown Cedar Cut is the area between the mainland and Matagorda Peninsula extending southeast 1.6 km gulfward of the surf line.

Matagorda Ship Channel is the area from Marker 13 southeast to 1.6 km gulfward of the end of the jetties.

Pass Cavallo is the area south of a line between Decros Point and Saluria Bayou to 1.6 km gulfward of a line between Marker 13 and the Matagorda Lighthouse on Matagorda Island.

Aransas/Corpus Christi Bay Area

Cedar Bayou is the area between a line from Cedar Point southeast to the point of land on Matagorda Island out to 1.6 km gulfward of the surf line, including Vincent's Slough.

Aransas Pass is the area between a line from the range marker on San Jose Island to the Radio Beacon Tower out to 1.6 km gulfward of the end of the jetties.

Water Exchange Channel is the area through Mustang Island between the junction of Corpus Christi Bay and 1.6 km gulfward of the surf line.

Upper Laguna Madre

Corpus Christi Pass is the area through Mustang Island between the junction with the upper Laguna Madre 1.6 km gulfward of the surf line.

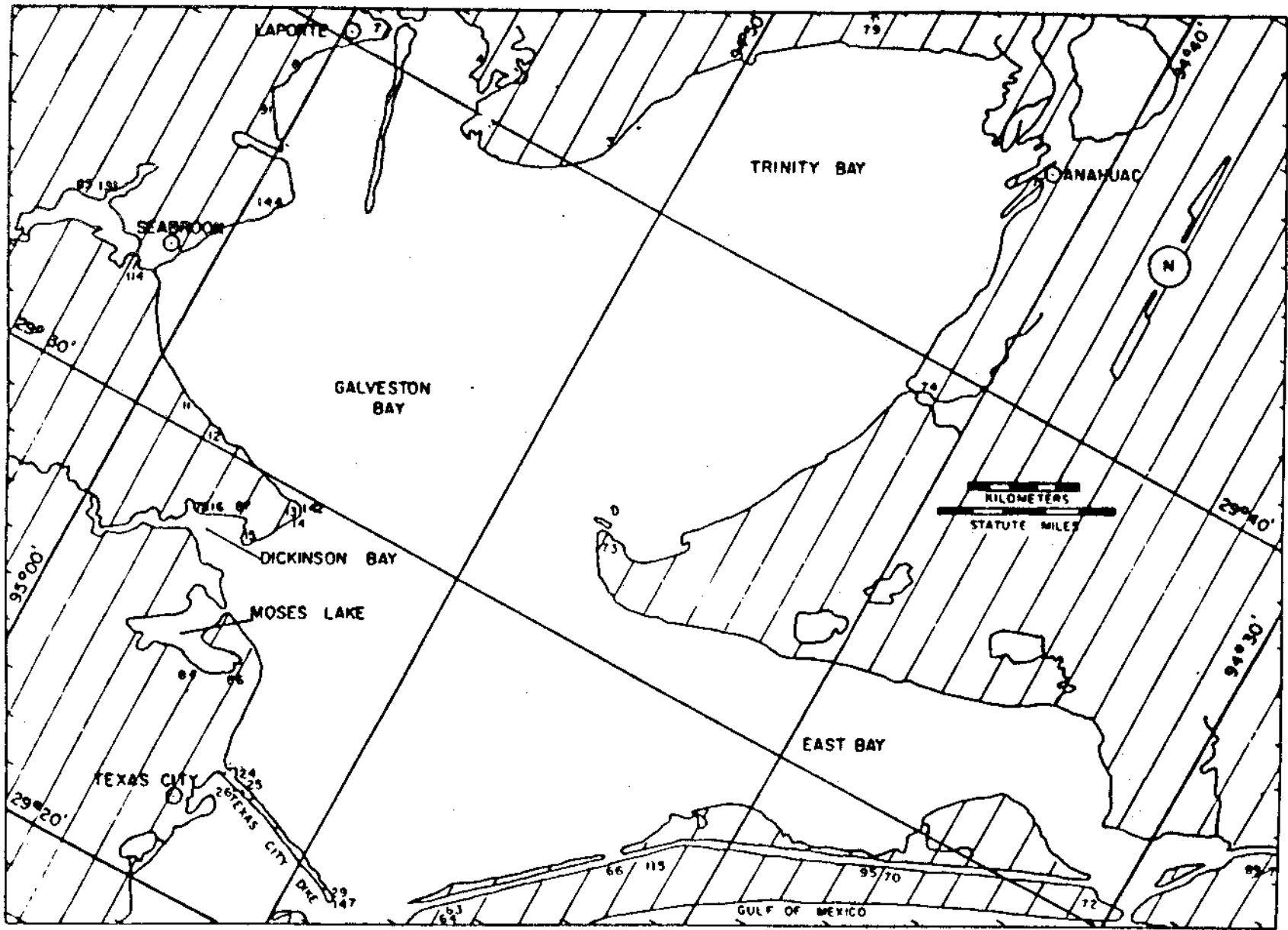
Lower Laguna Madre

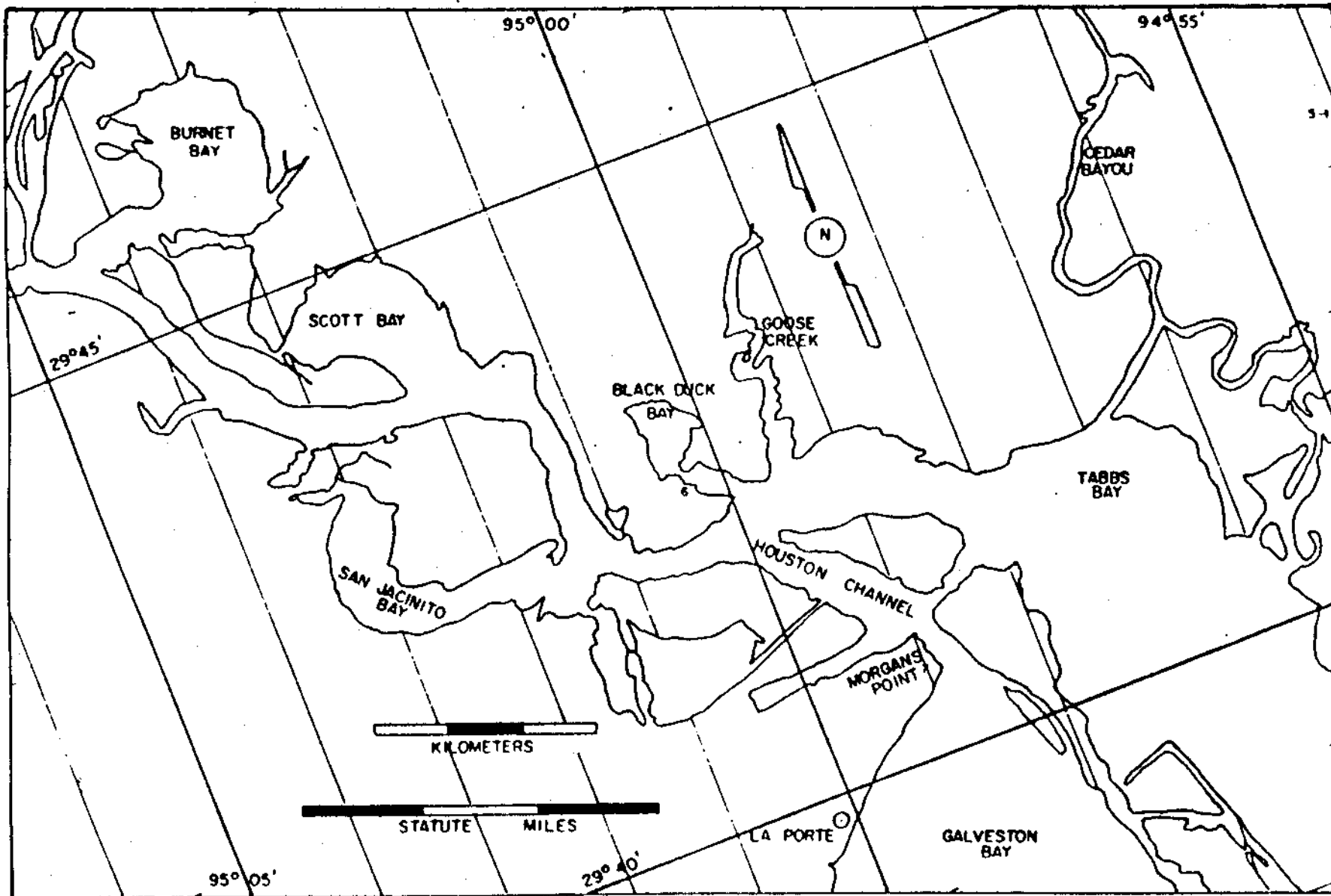
Port Mansfield Channel is the area extending from Marker 12 to 1.6 km gulfward of the end of the jetties.

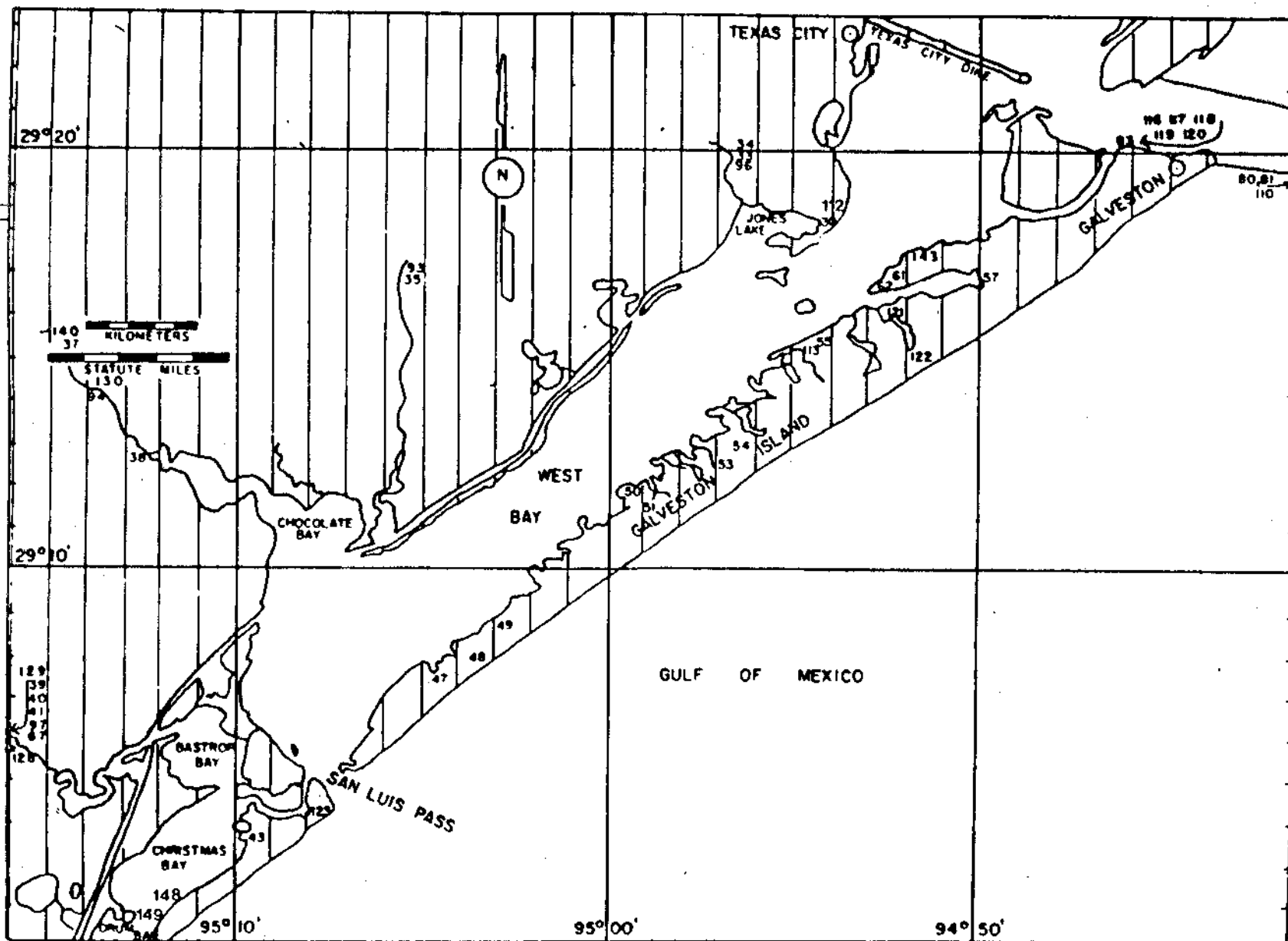
Brazos Santiago Channel is the area between a line from the Radio Beacon area south to Brazos Island out to 1.6 km gulfward of the end of the jetties.

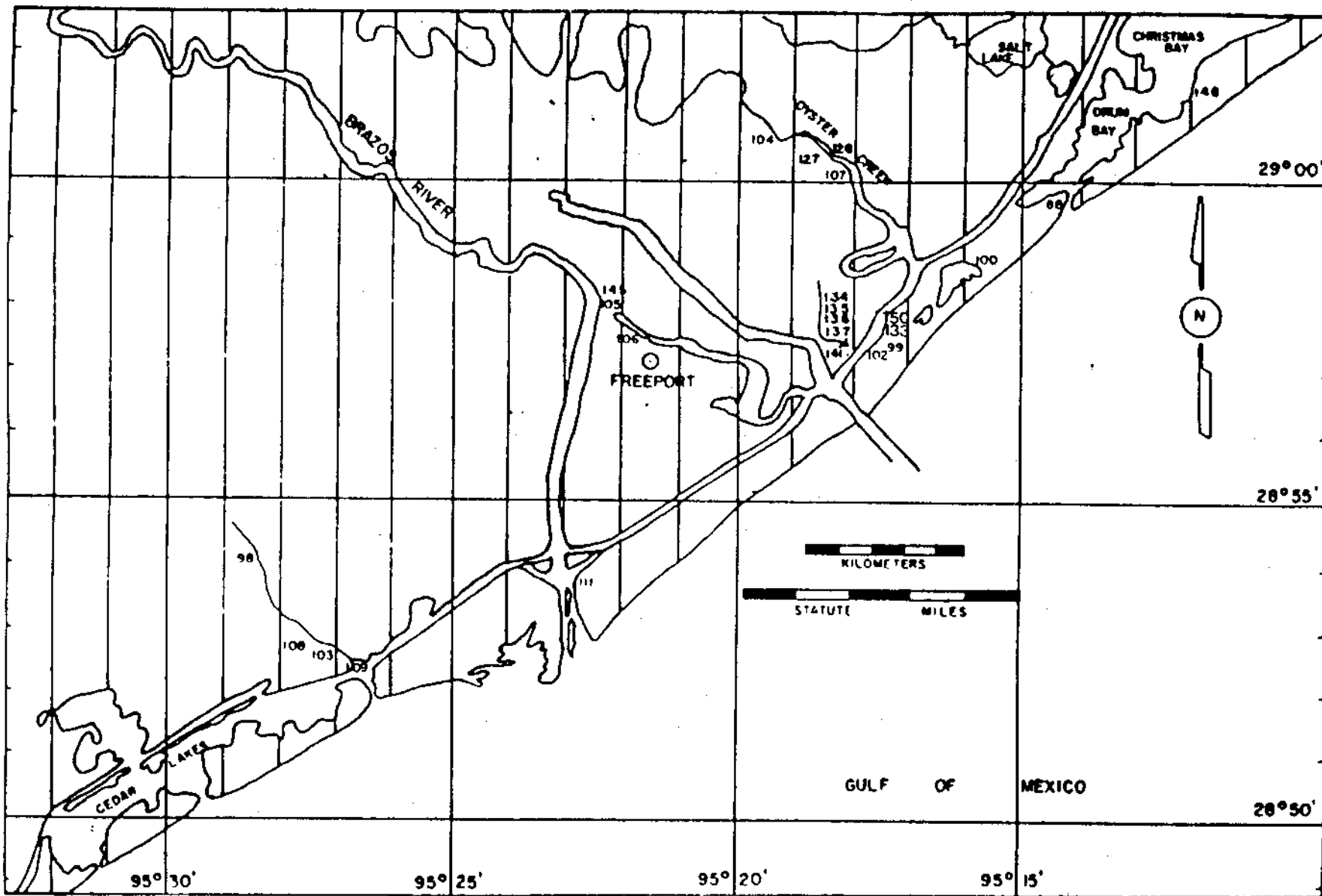
Appendix B: Survey site inventory.

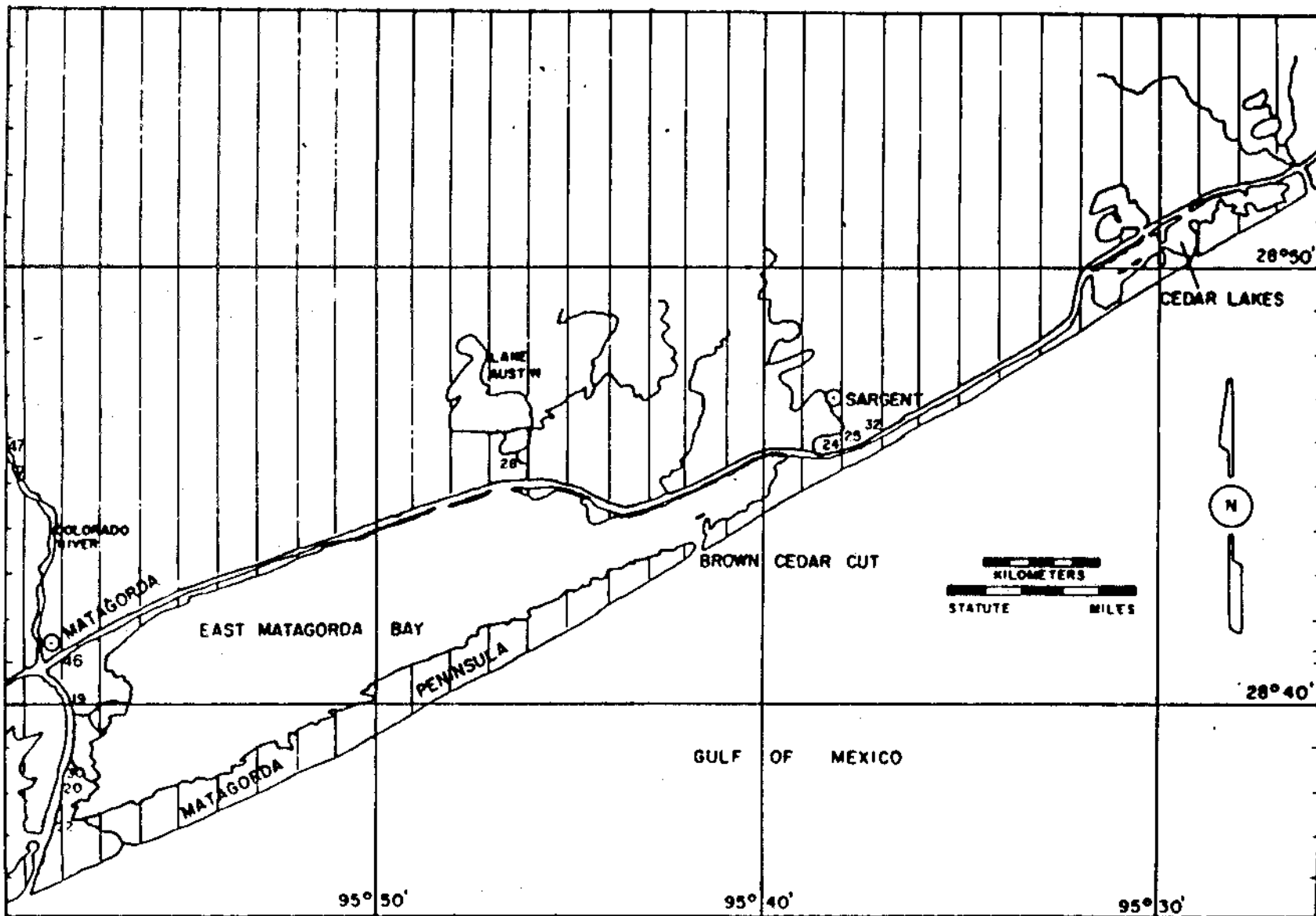
- Figure B.1. Boat-access sites the Galveston Bay system (May 1974-May 1985).
- Figure B.2. Boat-access sites in the Galveston Bay system (May 1974-May 1985).
- Figure B.3. Boat-access sites in the Galveston Bay system (May 1974-May 1985).
- Figure B.4. Boat-access sites in the Galveston Bay system (May 1974-May 1985).
- Figure B.5. Boat-access sites in the Matagorda Bay system (May 1974-May 1985).
- Figure B.6. Boat-access sites in the Matagorda Bay system (May 1974-May 1985).
- Figure B.7. Boat-access sites in the San Antonio Bay system (May 1974-May 1985).
- Figure B.8. Boat-access sites in the Aransas Bay system (May 1974-May 1985).
- Figure B.9. Boat-access sites in the Corpus Christi Bay system (May 1974-May 1985).
- Figure B.10. Boat-access sites in the upper Laguna Madre system (May 1974-May 1985).
- Figure B.11. Boat-access sites in the lower Laguna Madre system (May 1974-May 1985).
- Figure B.12. Boat-access sites in the lower Laguna Madre system (May 1974-May 1985).

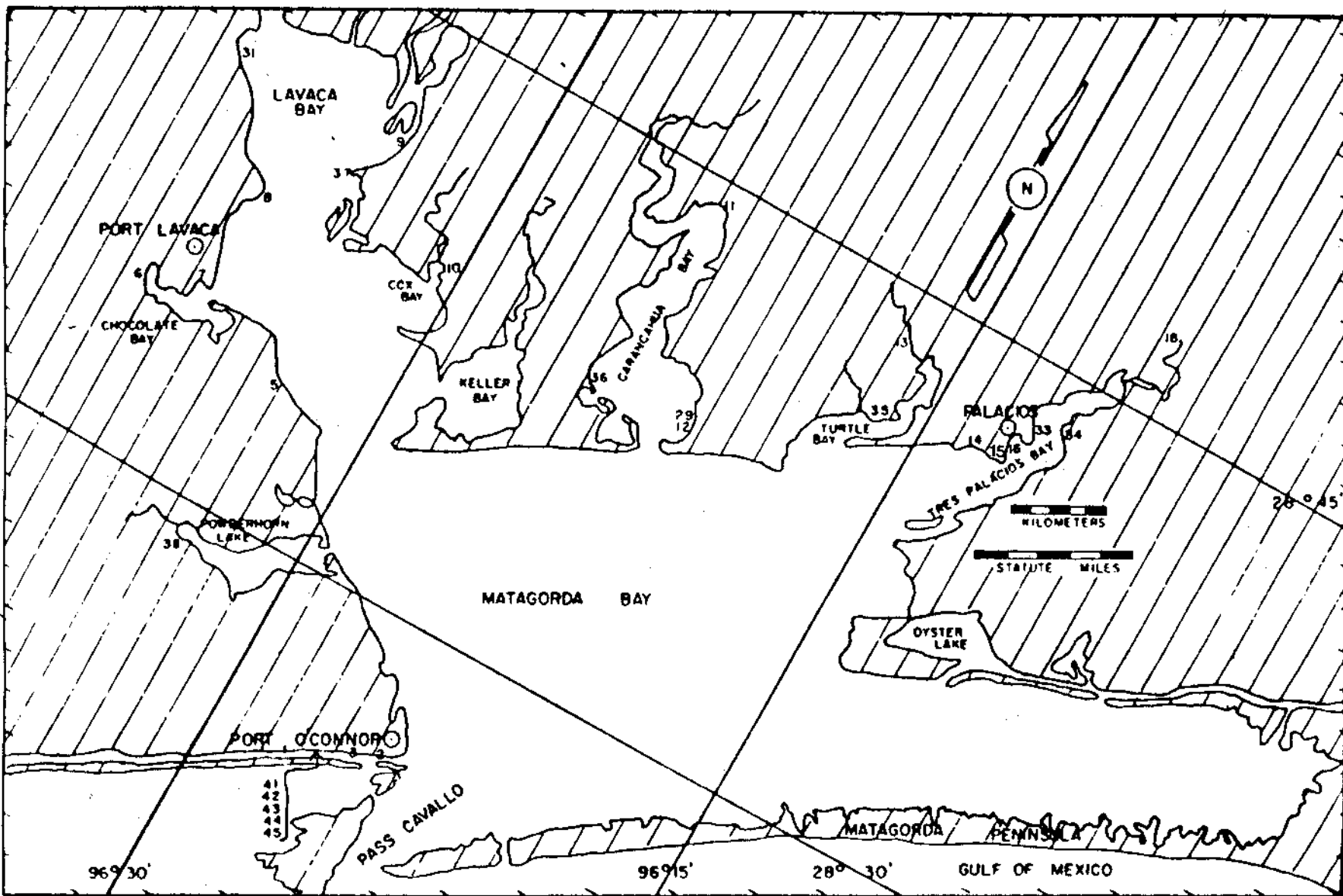


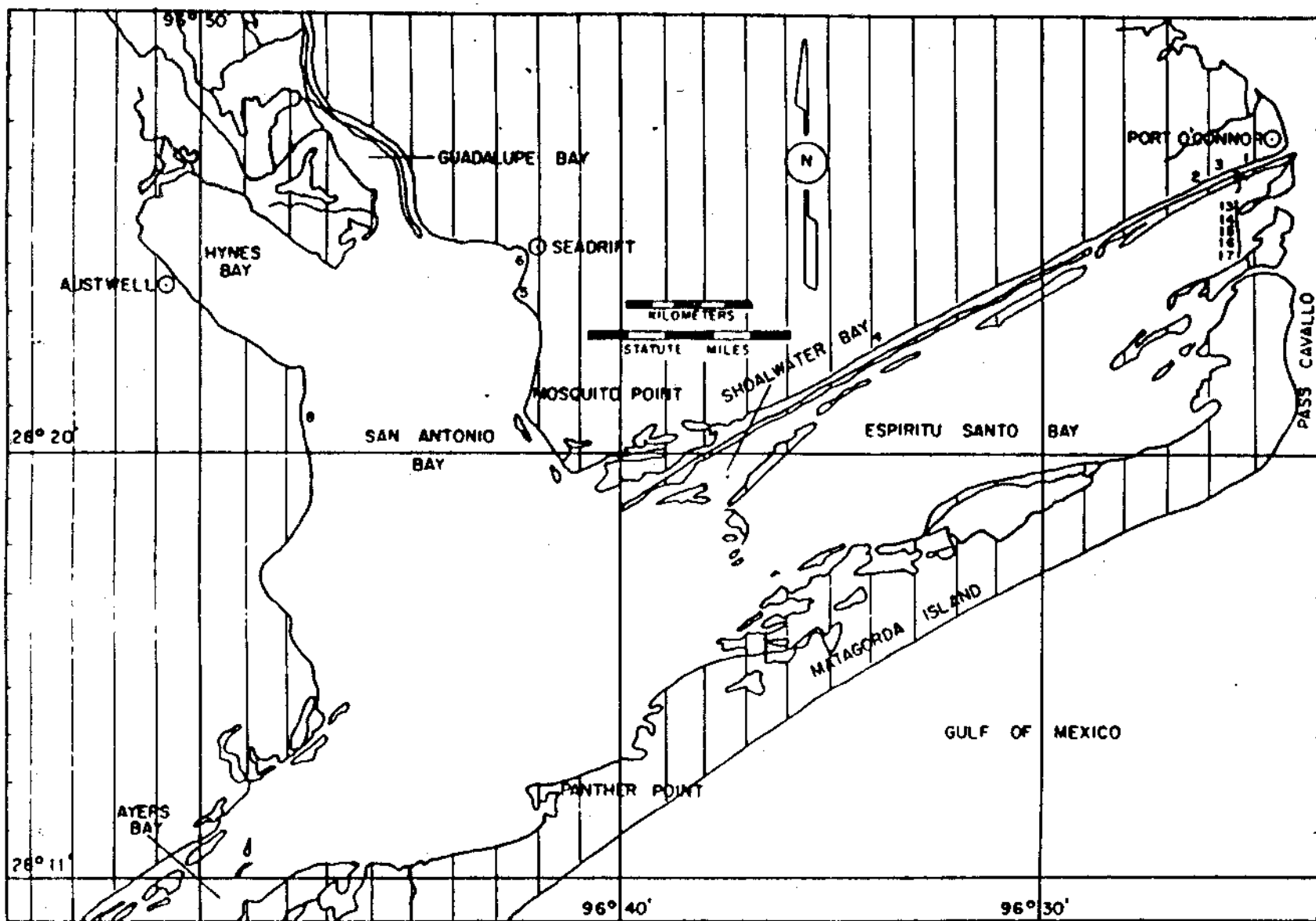


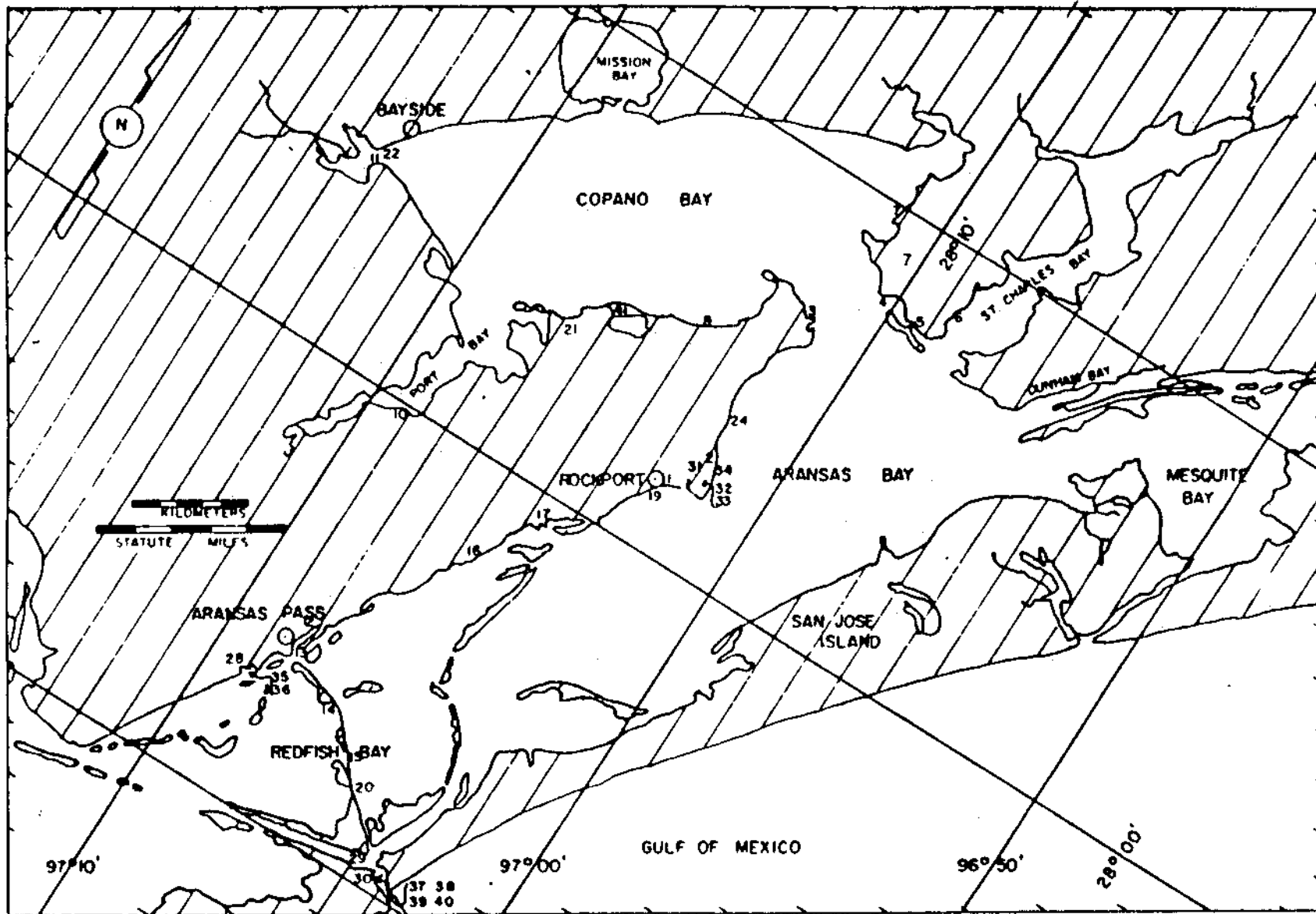


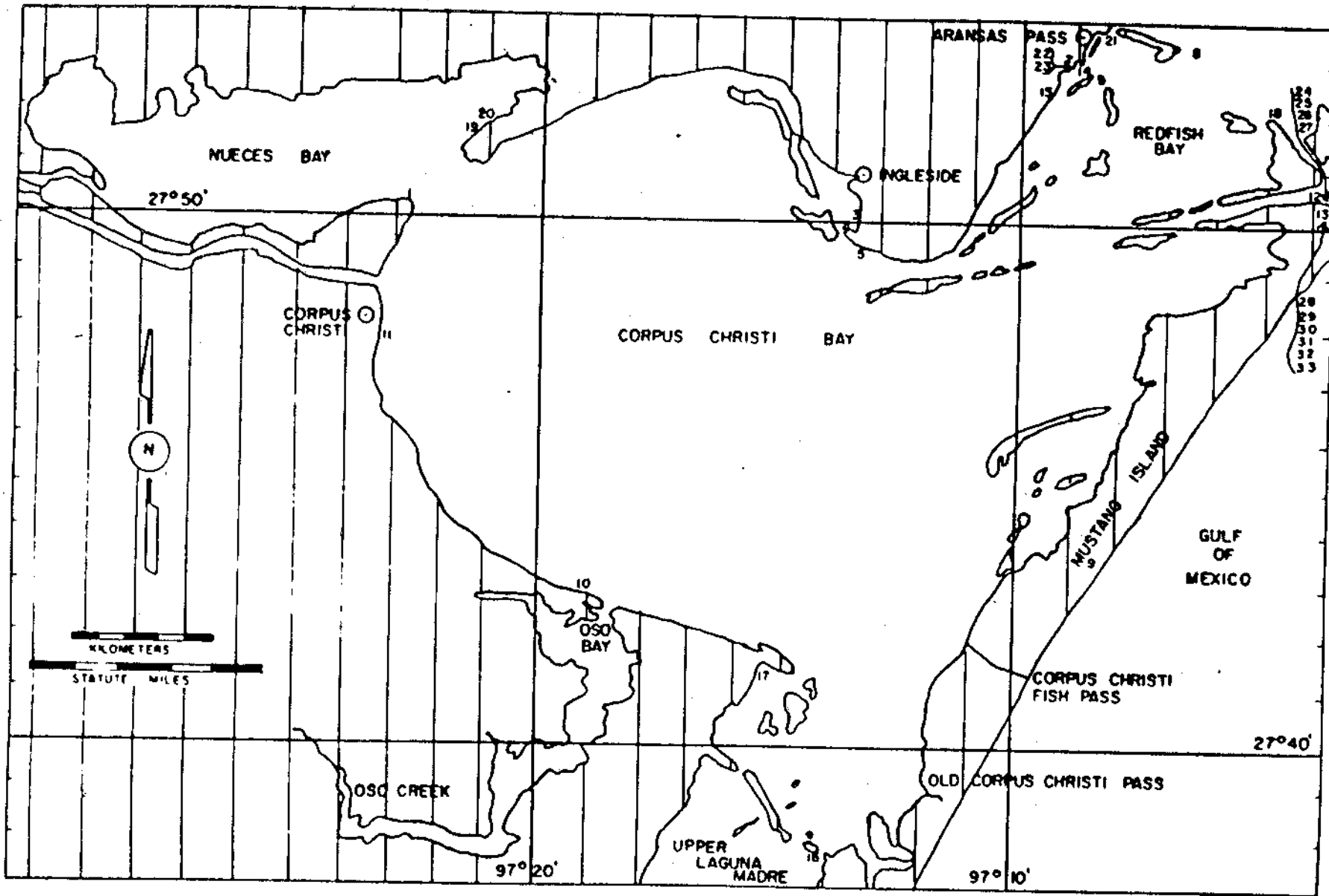


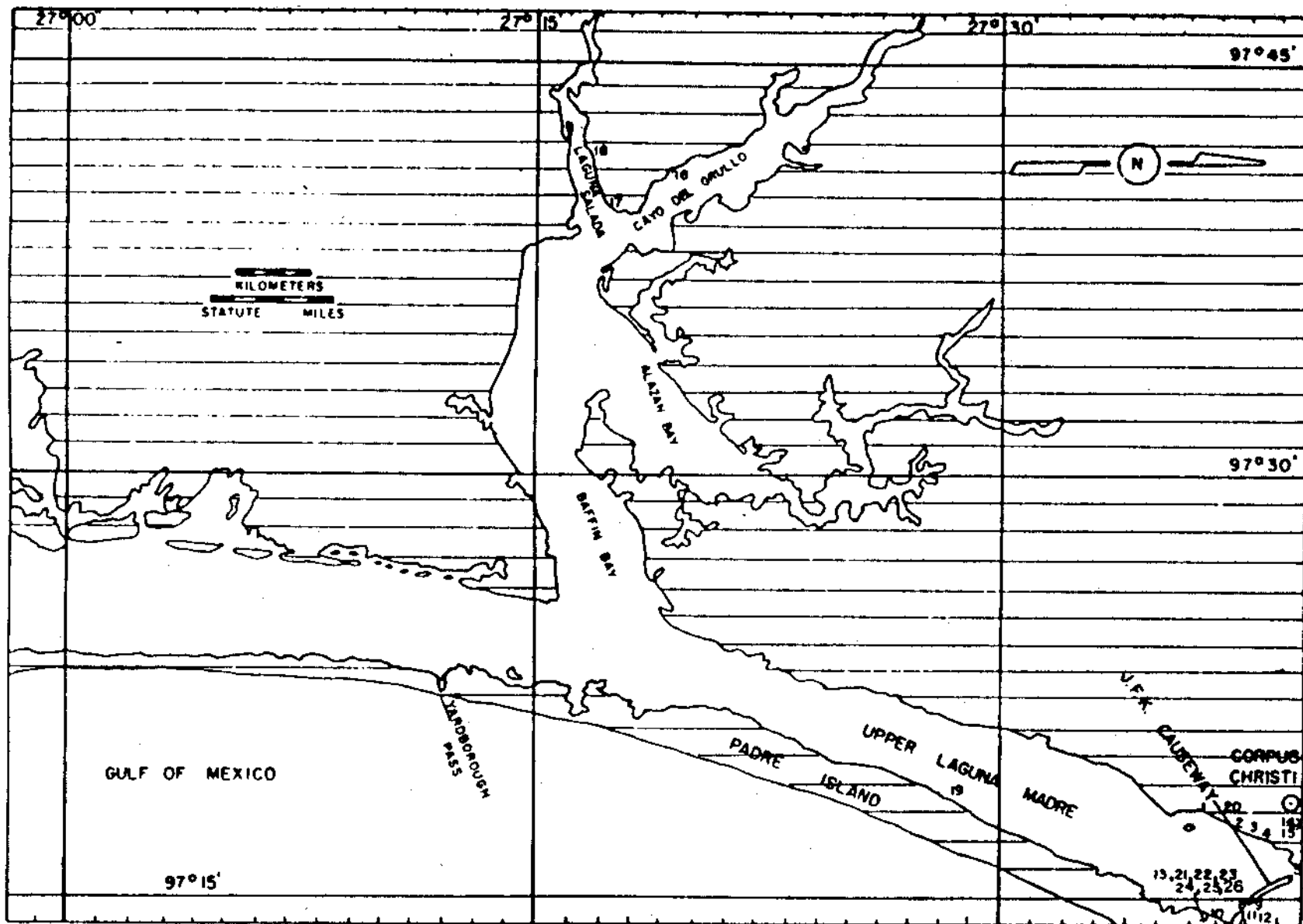


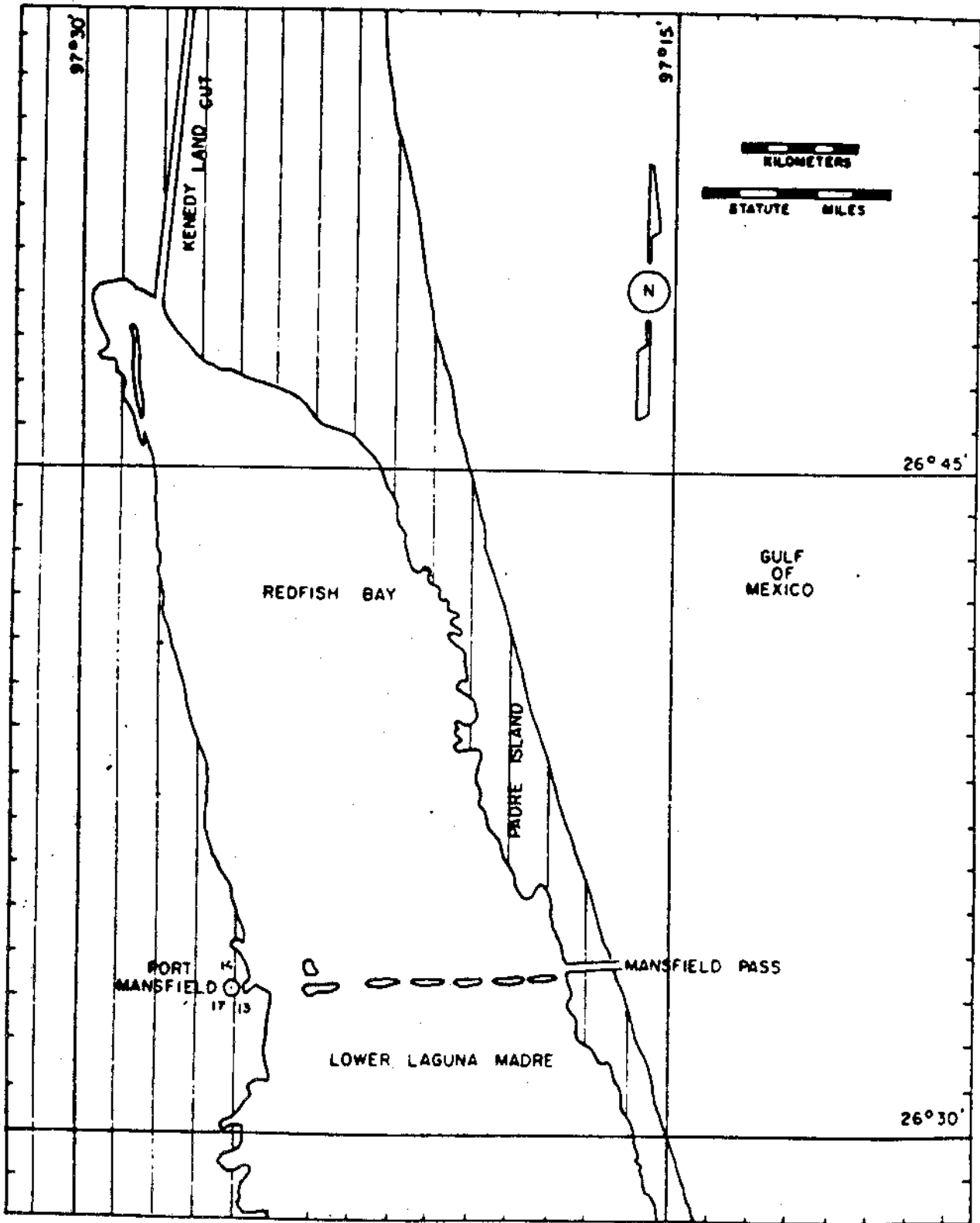












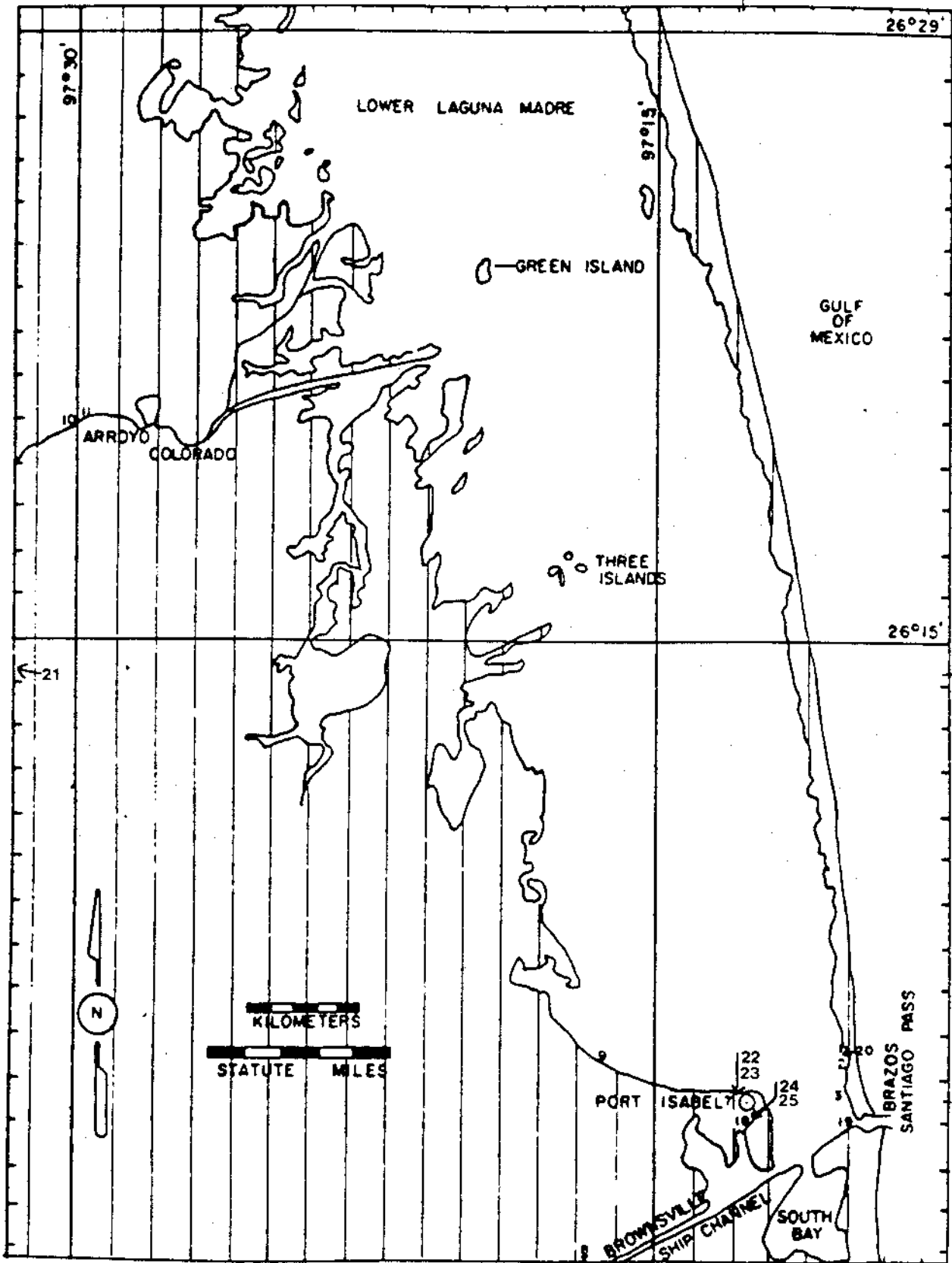


Table B.1. Boat-access sites in Texas bay systems (May 1974-May 1985). Bold type designates sites with wet slips or dry storage.

| Bay system | Minor bay | Site number | | Latitude | Longitude | Site identification | |
|------------|-----------|-------------|-----------|-----------|-----------------------------------|---|---|
| | | In use | Deleted | | | | |
| Galveston | | | (1) | | | (Cedar Bayou Outflow - Deleted 12/1/77) | |
| | | | (2) | | | (Woodall's - Deleted 7/26/81) | |
| | 330 | 3 | | 29°41'00" | 94°52'00" | Crawleys Ramp - Members only | |
| | 180 | 4 | | 29°40'56" | 94°56'09" | Thompson's Ramp | |
| | 330 | 5 | | 29°43'20" | 94°56'35" | Roseland Park Ramp | |
| | 312 | 6 | | 29°42'38" | 95°00'24" | Tabb's Bay Ramp | |
| | 180 | 7 | | 29°41'09" | 94°59'03" | Morgan's Point Ramp | |
| | 180 | 8 | | 29°38'55" | 95°00'42" | Sylvan Beach Ramp | |
| | | | | | | (9) | (Oddo's - Deleted 9/1/80) |
| | | | | | | (10) | (State Boat Ramp Clear Creek Channel - Deleted 5/15/84) |
| | 180 | 11 | | 29°30'44" | 94°58'39" | Galveston County Park Ramp (Bacliff) | |
| | 180 | 12 | | 29°30'23" | 94°57'26" | HL&P Galveston County Park Ramp | |
| | 180 | 13 | | 29°29'47" | 94°54'58" | San Leon Marina Ramp | |
| | 180 | 14 | | 29°29'46" | 94°54'36" | Eagle Point Camp Ramp | |
| | 180 | 15 | | 29°28'19" | 94°55'32" | April Fool Point lift (includes 35 wet slips) | |
| | 141 | 16 | | 29°28'51" | 94°56'10" | Marge's Bait Camp Ramp | |
| | | | | | | (17) | (Fiesta Marina-Deleted 11/20/82) |
| | | | | | | (18) | (Lakeway Ramp and Simpson's Ramp - Deleted 5/15/84) |
| | | | | | | (19) | (White Heron Resorts - Deleted 8/31/75) |
| | | | | | | (20) | (Moses Lake Bait Camp - Deleted 11/21/82) |
| | | | | | | (21) | (Mowles Camp Ramp - Deleted 5/15/84) |
| | 180 | 22 | | 29°23'28" | 94°53'12" | C.C. Camp Ramp | |
| | | | | | | (23) | (Dollar Pt. Public Ramp - Deleted 8/31/75) |
| | 180 | 24 | | 29°23'20" | 94°53'03" | Rilat's Ramp Dub's Ramp | |
| | 180 | 25 | | 29°23'20" | 94°53'01" | Curf's Ramp | |
| | 180 | 26 | | 29°23'09" | 94°52'21" | Public Ramp (Texas City Dike) | |
| | | | | | | (27) | (Public Ramp (Texas City Dike) - Deleted 5/15/84) |
| | | | | | | (28) | (Public Ramp (Texas City Dike) - Deleted 5/15/84) |
| | 180 | 29 | | 29°22'00" | 94°48'59" | Texas City Dike Marina Ramps | |
| | 201 | 30 | | 29°18'23" | 94°54'22" | Jones Lake State Boat Ramp | |
| | | | | | | (31) | (Intracoastal Inn - Deleted 9/1/78) |
| | | | | | | (32) | (Terry's Lucky 7 - Deleted 10/1/79) |
| | 201 | 33 | | 29°19'50" | 94°56'39" | Kelly's Ramp (includes rent boats) | |
| 201 | 34 | | 29°19'54" | 94°56'47" | Louis' Ramp (includes rent boats) | | |

Table B.1. (Cont'd.)

| Bay system | Minor bay | Site number | | Latitude | Longitude | Site identification | |
|------------|-----------|-------------|---------|-----------|-----------|--|---|
| | | In use | Deleted | | | | |
| Galveston | 191 | 35 | | 29°17'06" | 95°07'41" | Hall's Bayou Camp Ramp (Snug Harbor Marina - Deleted 12/1/78) | |
| | | | (36) | | | | |
| | 100 | 37 | | 29°15'11" | 95°13'58" | Lute's Marina Boat Lift | |
| | 100 | 38 | | 29°13'43" | 95°12'31" | Chocolate Bay State Boat Ramp | |
| | 50 | 39 | | 29°05'24" | 95°16'39" | Marlin Marina Ramp | |
| | 50 | 40 | | 29°05'37" | 95°17'00" | State Ramp - Bastrop Bayou - (under bridge) | |
| | 50 | 41 | | 29°04'53" | 95°17'13" | Jack Booth's Ramp Bastrop Marina (includes boats in wet slips) (Shell Ramp (Christmas Bay) - Deleted 12/1/78) | |
| | | | | | | (42) | |
| | 110 | 43 | | 29°02'52" | 95°09'56" | Sy's Bait Camp Ramp | |
| | | | | | | (44) | |
| | | | | | | (45) | |
| | | | | | | (46) | |
| | | 350 | 47 | | 29°07'45" | 95°04'22" | Bay Harbor Ramps |
| | | 350 | 48 | | 29°07'55" | 95°03'49" | Terramar Beach Ramp |
| | | 350 | 49 | | 29°08'42" | 95°02'48" | Sea Isle Ramps |
| | | 350 | 50 | | 29°12'00" | 94°59'16" | Jamaica Beach Marina Ramp |
| | | 350 | 51 | | 29°11'37" | 94°58'56" | Jamaica Beach Boat Ramp |
| | | | 52 | | | | Boat Trailers at non-designated ramps |
| | | 350 | 53 | | 29°12'31" | 94°56'57" | Pirate's Beach Marina Ramp |
| | | 350 | 54 | | 29°13'04" | 94°56'34" | Pirate's Beach Boat Ramp |
| | | 350 | 55 | | 29°15'38" | 94°54'20" | Andy's Bait Camp Ramp |
| | | | | (56) | | | (73rd Street County Park - Deleted 7/28/81) |
| | | 350 | 57 | | 29°17'03" | 94°50'09" | 61st Street County Park Ramp |
| | | | | (58) | | | (Bayou Bay Marina - Deleted 9/1/79) |
| | | | | (59) | | | (Newell Marina Ramp - Deleted 5/15/84) |
| | | | | (60) | | | (M&M Camp - Deleted 9/1/79) |
| | | 350 | 61 | | 29°17'14" | 94°52'19" | Payco Marina Ramp (includes closest dock of wet slips, Dock B, 46 slips) |
| | | 350 | 62 | | 29°17'18" | 94°52'23" | Pleasure Island Ramp |
| | | 180 | 63 | | 29°23'03" | 94°46'05" | Jim Reid's Ramp |
| | | 180 | 64 | | 29°23'04" | 94°46'05" | Shirley's Cafeteria Ramp |
| | | | (65) | | | (Johnson Road - Deleted 3/20/78) | |
| | 150 | 66 | | 29°25'48" | 94°42'37" | Bolivar Bait Camp Ramp (includes boats in 2 boat houses) | |
| | 50 | 67 | | 29°05'10" | 95°16'44" | 2-J's Harbor (Demi-John) - Deleted 8/31/75; reopened 5/15/83 (B&P Camp - Deleted 7/15/81) | |
| | | | (68) | | | | |

Table B.1. (Cont'd.)

| Bay system | Minor bay | Site number | | Latitude | Longitude | Site identification | |
|------------|-----------|-------------|---------|-----------|-----------|--|---|
| | | In use | Deleted | | | | |
| Galveston | | | (69) | | | (Bob's Camp - Deleted 9/6/79) | |
| | 150 | 70 | | 29°28'50" | 94°36'16" | Stingaree Marina Ramp | |
| | | | | | | (Chocolate Bayou Marina - Deleted 8/31/75) | |
| | | | | | | (71) | |
| | | 296 | 72 | | 29°30'51" | 94°30'45" | Charles W. Lauderdale Public County Boat Ramp |
| | | 330 | 73 | | 29°32'09" | 94°46'54" | Smith Point Ramp (Van-to-Un and Robbin's Park) |
| | | 330 | 74 | | 29°39'11" | 94°41'35" | Oak Island County Ramp |
| | | 330 | 75 | | 29°45'19" | 94°41'29" | Fort Anahuac Park Ramp |
| | | | | (76) | | | (Anahuac State Ramp - Deleted 12/1/78) |
| | | | | (77) | | | (Will's - Deleted 11/21/82) |
| | | 141 | 78 | | 29°28'24" | 94°57'17" | Dickinson Bayou Public Ramp |
| | | 063 | 79 | | 29°48'17" | 94°48'35" | Cotton Lake Ramp |
| | | 91 | 80 | | 29°20'06" | 94°45'07" | South Jetty Ramp - Deleted 4/11/80; Reopened 10/3/81) |
| | | 91 | 81 | | 29°20'02" | 94°41'52" | Waddell's Ramp and Wilson's Ramp |
| | | | | (82) | | | (North Galveston Jetty Ramp - Deleted 11/21/83) |
| | | 180 | 83 | | 29°19'02" | 94°46'32" | Galveston Yacht Basin Ramp |
| | | 241 | 84 | | 29°25'08" | 94°55'34" | The Fish Spot Ramp |
| | | 123 | 85 | | 29°33'51" | 95°04'03" | Clear Lake Ramp |
| | | 142 | 86 | | 29°25'19" | 94°53'29" | Dollar Bay Ramp |
| | | 141 | 87 | | 29°29'08" | 94°55'58" | Cotton's Bait Camp Ramp |
| | | 172 | 88 | | 28°59'53" | 95°13'57" | Brazoria County Ramp 57 A (Third Street) |
| | | 150 | 89 | | 29°35'41" | 94°23'24" | High Island State Boat Ramp |
| | | | | (90) | | | (San Jacinto Bay Bridge - Deleted 10/3/81) |
| | | 180 | 91 | | 29°37'25" | 95°00'34" | Shoreacres Ramp |
| | | | | (92) | | | (Tiger Marina - Deleted 10/3/81) |
| | | 191 | 93 | | 29°17'14" | 95°08'01" | Hall's Bayou Bridge Ramp |
| | | 100 | 94 | | 29°14'38" | 95°13'59" | Horseshoe Bend Marina Ramp |
| | | 150 | 95 | | 29°28'45" | 94°36'16" | Charpiot Ramp - Opened 7/15/81 |
| | | 201 | 96 | | 29°19'49" | 94°56'12" | Omega Bay Ramp - Opened 7/26/81 |
| | | 50 | 97 | | 29°04'56" | 95°17'11" | Bastrop Bayou Private Ramp - Opened 7/26/81 |
| | | 560 | 98 | | 28°53'57" | 95°29'33" | Ernie's Acres Ramp (Freeport) |
| | | 172 | 99 | | 28°57'22" | 95°17'12" | Dolphin Street Ramp (Freeport) |
| | 172 | 100 | | 28°58'47" | 95°16'05" | Brazoria County Ramp 57A (Bay Street, Freeport) | |
| | | | (101) | | | (Bridge Harbor Marina Ramp (Freeport) - Deleted 5/15/84) | |
| | 172 | 102 | | 28°57'22" | 95°17'32" | State Ramp (Freeport) - (under ICWW bridge) | |

Table B.1. (Cont'd.)

| Bay system | Minor bay | Site number | | Latitude | Longitude | Site identification | |
|------------|-----------|-------------|---------|-----------|-----------|---|---|
| | | In use | Deleted | | | | |
| Galveston | 560 | 103 | | 28°52'30" | 95°27'19" | Ducroz Ramp (Freeport) | |
| | 265 | 104 | | 29°00'36" | 95°19'34" | Oyster Creek Ramp (Freeport) | |
| | 570 | 105 | | 28°57'42" | 95°22'13" | City Ramp (in Freeport Municipal Park)(Freeport) | |
| | 266 | 106 | | 28°57'21" | 95°21'41" | City Ramp (by Community center/tennis courts) (Freeport) | |
| | 265 | 107 | | 29°00'07" | 95°18'26" | Turtle Cove Ramp (Freeport) | |
| | 560 | 108 | | 28°52'35" | 95°27'34" | Bennet's Motel Ramp | |
| | 560 | 109 | | 28°52'11" | 95°26'46" | Public Ramp (Freeport) | |
| | 91 | 110 | | 29°20'02" | 94°41'47" | Tugboat Eddies Ramp (Freeport) | |
| | 570 | 111 | | 28°53'59" | 95°23'03" | New Brazos River Ramp (at end of dike in Freeport) | |
| | 350 | 112 | | 29°18'09" | 94°53'58" | Harbor Cove Ramp - Deleted 5/15/84 - Reopened 11/21/84 | |
| | 241 | 113 | | 29°25'15" | 94°55'34" | Ray Marine and Bait Camp Ramp | |
| | 123 | 114 | | 29°33'00" | 95°01'45" | Clear Lake Shores Ramp | |
| | 150 | 115 | | 29°25'43" | 94°42'07" | Boyt Road Boat Ramp | |
| | 180 | 116 | | 29°19'02" | 94°46'32" | Galveston Yacht Basin Boat Barn (party boats) | |
| | 180 | 117 | | 29°19'02" | 94°46'32" | Galveston Yacht Basin Dock A (46 slips; party boats) | |
| | 180 | 118 | | 29°19'02" | 94°46'32" | Galveston Yacht Basin Dock B (116 slips; party boats) | |
| | 180 | 119 | | 29°19'02" | 94°46'32" | Galveston Yacht Basin Dock C (116 slips; party boats) | |
| | 180 | 120 | | 29°19'02" | 94°46'32" | Galveston Yacht Basin Dock D (116 slips; party boats) | |
| | 350 | 121 | | 29°16'38" | 94°50'48" | Pirates Cove Apts. Ramp | |
| | 350 | 122 | | 29°15'47" | 94°50'29" | Havre Lafitte Ramp | |
| | 530 | 123 | | 29°04'33" | 95°07'50" | Treasure Island Ramp | |
| | | | | | (124) | | (Turtle Cove North Shore Boat Shed - Deleted 5/15/84) |
| | | | | | (125) | | (Turtle Cove South Shore Boat Shed-Deleted 5/15/84) |
| | 265 | 126 | | 29°00'08" | 95°18'06" | Hide-A-Way on the Gulf Ramps | |
| | 172 | 127 | | 29°00'28" | 95°18'57" | Kirby Marina (72 wet slips) | |
| | 50 | 128 | | 29°05'48" | 95°16'59" | B&H Bait Camp Ramp | |
| | 50 | 129 | | 29°05'24" | 95°16'39" | Marlin Marina Boat Shed (14 wet slips) | |
| | 100 | 130 | | 29°14'38" | 95°13'59" | Horseshoe Bend Camp Boat Shed (22 wet slips) | |
| | 321 | 131 | | 29°34'27" | 95°03'05" | Timber Cove Subdivision Ramp (Taylor Lake) | |
| | 172 | 132 | | 28°57'46" | 95°17'34" | Bridge Harbor Canal Front Slips (30 slips; party boats) | |
| | 172 | 133 | | 28°57'46" | 95°17'34" | Bridge Harbor Canal Dock A (32 slips; party boats) - Deleted 5/15/84 - Reopened 11/21/84 | |
| | 172 | 134 | | 28°57'46" | 95°17'34" | Bridge Harbor Canal Dock B (32 slips; party boats) | |
| | 172 | 135 | | 28°57'46" | 95°17'34" | Bridge Harbor Canal Dock C (32 slips; party boats) | |

Table B.1. (Cont'd.)

| Bay system | Minor bay | Site number | | Latitude | Longitude | Site identification |
|------------|-----------|-------------|---------|-----------|-----------|--|
| | | In use | Deleted | | | |
| Galveston | 172 | 136 | | 28°57'46" | 95°17'34" | Bridge Harbor Canal Dock D (36 slips; party boats) |
| | 172 | 137 | | 28°57'46" | 95°17'34" | Bridge Harbor Canal Dock E (40 slips; party boats) |
| | | | (138) | | | (Harbor Cove Wet Slips (50 wet slips) - Deleted 5/15/84) |
| | | | (139) | | | (Payco Marina Boat Shed and Second Dock of Wet Slips) |
| | | | | | | (Dock C (24 wet slips) - Deleted 11/21/84) |
| | 100 | 140 | | 29°15'11" | 95°13'58" | Lutes Marina Ramp and Boat House (40 wet slips; party boats) |
| | 172 | 141 | | 28°57'31" | 95°18'16" | Beach, Bait and Tackle Ramp |
| | 180 | 142 | | 29°29'47" | 94°54'58" | San Leon Marina Boat Sheds (2 boat sheds; party boats) |
| | 180 | 143 | | 29°17'39" | 94°51'23" | Bonno's Bait Camp Ramp |
| | 180 | 144 | | 29°35'51" | 94°59'10" | El Jardin Ramp |
| | 570 | 145 | | | | Freeport City Ramp (on New Brazos across from Municipal Park) |
| | 110 | 146 | | 29°01'50" | 95°11'51" | Key Largo |
| | 180 | 147 | | 29°22'00" | 94°48'59" | Texas City Dike Marina Lift |
| | 110 | 148 | | 29°01'54" | 95°01'48" | Public Ramp (just East of Cedar Cut) |
| | 110 | 149 | | 29°01'50" | 95°11'52" | Public Ramp (just West of Cedar Cut) |
| | 172 | 150 | | 28°57'46" | 95°17'34" | Bridge Harbor Pool Side Dock (26 slips across from fuel docks) |
| | Matagorda | 360 | 1 | | 28°25'55" | 96°26'04" |
| 360 | | 2 | | 28°26'23" | 96°24'52" | Fishing Center Ramp |
| 360 | | 3 | | 28°26'12" | 96°25'26" | Bobbie's Ramp (includes boats in wet slips and La Pesca party boats) |
| | | | (4) | | | (Indianola Fishing Center Ramp (includes boats in wet slips - Deleted 5/15/84) |
| 220 | | 5 | | 28°33'40" | 96°32'21" | Magnolia Ramp |
| 112 | | 6 | | 28°34'41" | 96°39'00" | Chocolate Bayou Ramp |
| 220 | | 7 | | 28°35'43" | 96°37'09" | Harbor Refuge Ramp |
| 220 | | 8 | | 28°38'20" | 96°36'44" | Lavaca Causeway Ramp (includes boats in wet slips) |
| 220 | | 9 | | 28°40'53" | 96°33'45" | Point Comfort Ramp |
| 210 | | 10 | | 28°38'24" | 96°27'30" | Olivia Ramp (includes boats in wet slips) |
| 60 | | 11 | | 28°44'17" | 96°24'05" | Crescent V Ramp |
| 60 | | 12 | | 28°38'08" | 96°21'22" | At Last Marina |
| 340 | | 13 | | 28°43'13" | 96°16'24" | Turtle Bridge Ramp |
| 320 | | 14 | | 28°41'48" | 96°13'47" | Turning Basin Ramp |
| 320 | | 15 | | 28°41'47" | 96°13'11" | Palacios Bait Camp - Deleted 5/15/80 - Reopened 5/15/84 |

Table B.1. (Cont'd.)

| Bay system | Minor bay | Site number | | Latitude | Longitude | Site Identification |
|------------|-----------|-------------|-----------|-----------|--|--|
| | | In use | Deleted | | | |
| Matagorda | 320 | 16 | | 28°42'20" | 96°12'32" | East Bay Ramp (Grassy Point - Deleted 3/13/78) |
| | | | (17) | | | |
| | 320 | 18 | | 28°40'10" | 96°11'00" | Palacios River Ramp |
| | 590 | 19 | | 28°40'14" | 95°57'52" | River Bend Ramp |
| | 590 | 20 | | 28°38'22" | 95°58'02" | Al's Ramp (Gilmer's - Deleted 8/17/79; Reopened 5/15/81; Deleted 6/15/82) |
| | | | (21) | | | |
| | 590 | 22 | | 28°37'04" | 95°58'24" | Rawlings Ramp (UFO Ramp - Deleted 5/15/84) |
| | | | (23) | | | |
| | 160 | 24 | | 28°46'20" | 95°38'04" | Plunks Bait Camp (includes boats in wet slips) |
| | 160 | 25 | | 28°46'16" | 95°37'03" | Totsies' Marina Ramp (includes boats in wet slips) (Cherry's Ramp - Deleted 5/15/84) (Bulkhead Marina - Deleted 5/15/80) |
| | | | (26) | | | |
| | | | (27) | | | |
| | 160 | 28 | | 28°45'28" | 95°46'23" | Chinquapin Ramp |
| | 60 | 29 | | 28°38'16" | 96°21'20" | The Wharf Ramp |
| | 160 | 30 | | 28°38'37" | 95°57'52" | St. Mary's Bayou Ramp |
| | 220 | 31 | | 28°41'38" | 96°39'50" | Six Mile Ramp |
| | 160 | 32 | | 28°46'21" | 95°36'55" | Don Juan Marina |
| | 320 | 33 | | 28°42'33" | 96°12'35" | Brookings Boat Shed (34 wet slips) |
| | 320 | 34 | | 28°43'46" | 96°11'10" | Collegeport Ramp |
| | 210 | 35 | | 28°41'15" | 96°16'27" | Jensen's Point Ramp |
| | 60 | 36 | | 28°39'30" | 96°24'54" | Port Alto Boat Shed (107 wet slips; 2 sheds, 54 and 53) |
| | 220 | 37 | | 28°39'38" | 96°35'03" | East End of Port Lavaca Causeway (launching from shore) |
| | 271 | 38 | | 28°28'47" | 96°33'05" | Powerhorn Bayou (launching from shore) (Fishing Center Boat Sheds (2 boat sheds with 26 wet slips; party boats included) - Deleted 5/15/84) |
| | | | (39) | | | |
| | | | (40) | | | Not previously assigned |
| | 360 | 41 | | 28°26'16" | 96°24'57" | McKinney Boat Sheds (8 wet slips) |
| | 360 | 42 | | 28°26'17" | 96°25'00" | Power's Boat Sheds (35 set slips) |
| 360 | 43 | | 28°26'12" | 96°25'17" | Alligator Head East Boat Sheds (20 wet slips) | |
| 360 | 44 | | 28°26'11" | 96°25'18" | Alligator Head West Boat Sheds (49 wet slips) | |
| 360 | 45 | | 28°26'00" | 96°25'48" | Weathersby's Boat Sheds (40 wet slips; 1 party boat) | |
| 160 | 46 | | 28°41'17" | 95°57'56" | Bridgekeeper Ramp | |
| 590 | 47 | | 28°45'44" | 96°00'04" | Selkirk Island Ramp | |
| | 52 | | | | Boat trailers at non-designated ramps | |

Table B.1. (Cont'd.)

| Bay system | Minor bay | Site number | | Latitude | Longitude | Site identification | |
|-------------|-----------|-------------|---------|-----------|-----------|--|--|
| | | In use | Deleted | | | | |
| San Antonio | 170 | 1 | | 28°26'23" | 96°24'52" | Fishing Center Ramp | |
| | 170 | 2 | | 28°25'55" | 96°26'04" | Doc's Dock Ramp | |
| | 170 | 3 | | 28°26'12" | 96°25'26" | Bobbie's Ramp (includes boats in wet slips and La Pesca party boats) | |
| | 170 | 4 | | 28°21'55" | 96°34'38" | Fulghum's Ramp (includes boats in wet slips) | |
| | 300 | 5 | | 28°23'24" | 96°42'32" | Swan Point Ramp | |
| | 300 | 6 | | 28°24'27" | 96°42'38" | Seadrift Ramp | |
| | | | | | | (7) | (Austwell - Deleted 8/17/79) |
| | 300 | 8 | | 28°20'48" | 96°47'38" | Hopper's Landing Ramp (includes boats in wet slips) | |
| | | | | | | (9) | (Pete's Bait Camp - Deleted 8/17/79) |
| | | | | | | (10) | (Morgan's Bait Camp - Deleted 8/17/79) |
| | | | | | | (11) | (Fishing Center Boat Sheds (2 boat sheds with 26 wet slips; party boats included) - Deleted 5/15/84) |
| | | | | | | (12) | Not previously assigned |
| | 170 | 13 | | 28°26'16" | 96°24'57" | McKinney Boat Sheds (8 wet slips) | |
| | 170 | 14 | | 28°26'17" | 96°25'00" | Power's Boat Sheds (35 wet slips; 1 party boat) | |
| | 170 | 15 | | 28°26'12" | 96°25'17" | Alligator Head East Boat Sheds (19 wet slips) | |
| | 170 | 16 | | 28°26'11" | 96°25'18" | Alligator Head West Boat Sheds (49 wet slips) | |
| | 170 | 17 | | 28°26'00" | 96°25'48" | Weathersby's Boat Sheds (40 wet slips; 1 party boat) | |
| | 52 | | | | | Boat trailers at non-designated ramps | |
| Aransas | 227 | 1 | | 28°01'50" | 97°02'19" | Little Bay Ramp | |
| | 20 | 2 | | 28°03'36" | 97°02'00" | Fulton Harbor Ramp (includes boats in Fulton Boat House) | |
| | 120 | 3 | | 28°06'49" | 97°01'32" | South Copano Causeway Ramp | |
| | 20 | 4 | | 28°08'13" | 97°00'22" | Sea Gun Marina Ramp (includes boats in wet slips; party boats) | |
| | 310 | 5 | | 28°07'43" | 96°59'07" | Goose Island State Park Ramp | |
| | 310 | 6 | | 28°08'24" | 96°58'39" | St. Charles Marina Ramp (includes boats in wet slips) | |
| | 120 | 7 | | 28°09'48" | 97°00'35" | Holiday Beach Ramp | |
| | 120 | 8 | | 28°05'07" | 97°04'11" | Joe's Ramp (includes boats in wet slips) | |
| | | | | | | (9) | (Klein's Rattlesnake Point Ramp - Deleted 5/15/84) |
| | 270 | 10 | | 27°59'35" | 97°09'07" | Redfish Camp Ramp | |
| | 120 | 11 | | 28°04'14" | 97°13'08" | Glenn's Marina-Bayside Ramp | |
| | 280 | 12 | | 27°54'47" | 97°08'00" | Aransas Pass Boat Basin Ramp | |
| | 280 | 13 | | 27°53'58" | 97°08'14" | Louie's Bait Hut Ramp | |
| | 284 | 14 | | 27°53'18" | 97°06'42" | Fin & Feather Marina | |

Table B.1. (Cont'd.)

| Bay system | Minor bay | Site number | | Latitude | Longitude | Site identification | |
|------------|-----------|-------------|---------|-----------|-----------|--|--|
| | | In use | Deleted | | | | |
| Aransas | 285 | 15 | | 27°52'55" | 97°05'57" | Redfish Bay Marina Ramp (includes rent boats and boats in wet slips) | |
| | 280 | 16 | | 27°58'04" | 97°05'21" | Palm Harbor Ramp (includes boats in wet slips) | |
| | 280 | 17 | | 27°59'23" | 97°04'42" | Cove Harbor Ramp | |
| | | | | (18) | | (Port Bay - Deleted 11/20/82) | |
| | | 20 | 19 | | 28°01'28" | 97°02'57" | Rockport Turning Basin Ramp (includes boats in boat basin wet slips) |
| | | 285 | 20 | | 27°52'09" | 97°05'51" | Bait Hut Ramp |
| | | 120 | 21 | | 28°03'48" | 97°06'40" | Pouzee's Ramp |
| | | 120 | 22 | | 28°04'34" | 97°13'10" | Bayside Public Ramp - Deleted 12/1/80; Reopened 11/20/82) |
| | | | | (23) | | (Hogan's Ramp - Deleted 5/15/84) | |
| | | 20 | 24 | | 28°04'23" | 97°02'07" | Sand Dollar Ramp |
| | | | | (25) | | (Key Allegro Marina - Deleted 5/15/82) | |
| | | | | (26) | | (Key Allegro North Ramp - Deleted 12/1/80) | |
| | | | | (27) | | (Racquet Club - Deleted 5/15/82) | |
| | | 284 | 28 | | 27°53'22" | 97°08'53" | Aransas Airport Ramp |
| | | 96 | 29 | | 27°50'19" | 97°04'00" | Port Aransas Public Ramp |
| | | 96 | 30 | | 27°50'18" | 97°03'44" | Woody's Ramp |
| | | 227 | 31 | | 28°03'07" | 97°02'07" | Harbor Oaks Ramp |
| | | 227 | 32 | | 28°02'30" | 97°01'50" | Key Allegro Boat Shed (includes party boats) |
| | | 227 | 33 | | 28°02'30" | 97°01'50" | Key Allegro Boat Shed and T-Head (includes party boats) |
| | | 20 | 34 | | 28°03'31" | 97°02'00" | Sea Foam Motel Ramp (includes 6 wet slips) |
| | | 284 | 35 | | 27°53'22" | 97°08'48" | Harbor East with Marnot and Mac |
| | | 284 | 36 | | 27°53'22" | 97°08'59" | Harbor West |
| | | 96 | 37 | | 27°50'18" | 97°03'42" | Woody's West Docks ;(3 docks with 48 wet slips; party boats) |
| | | 96 | 38 | | 27°50'18" | 97°03'40" | Woody's East Dock (3 docks with 57 wet slips; party boats) |
| | | 96 | 39 | | 27°50'19" | 97°03'37" | Sportsman Center South (1 dock with 40 wet slips; party boats) |
| | | 96 | 40 | | 27°50'21" | 97°03'37" | Sportsman Center North (1 dock with 26 wet slips; party boats) |
| | | 120 | 41 | | 28°04'34" | 97°06'00" | Kellers Marina Boat Ramp |
| | | 52 | | | | Boat trailers at non-designated ramps | |

Table B.1. (Cont'd.)

| Bay system | Minor bay | Site number | | Latitude | Longitude | Site identification | |
|----------------|-----------|-------------|---------|-----------|-----------|--|---|
| | | In use | Deleted | | | | |
| Corpus Christi | 260 | 1 | | 27°50'16" | 97°22'52" | South Nueces Causeway Ramp | |
| | | | (2) | | | (North Nueces Causeway - Deleted 10/27/80) | |
| | 130 | 3 | | 27°50'16" | 97°13'15" | Ingleside Cove State Ramp | |
| | | 130 | 4 | | 27°49'52" | 97°13'29" | Bahia Mar Ramp (includes wet slips) |
| | | 130 | 5 | | 27°49'21" | 97°12'58" | Channel View Ramp |
| | | | | (6) | | | (Warrens - Deleted 5/15/79) |
| | | 284 | 7 | | 27°53'22" | 97°08'53" | Aransas Airport Ramp |
| | | 284 | 8 | | 27°53'18" | 97°06'42" | Fin & Feather Marina |
| | | 130 | 9 | | 27°44'14" | 97°08'13" | Wilson's Cut Ramp |
| | | 130 | 10 | | 27°42'39" | 97°18'35" | Oso Bridge Ramp - (Deleted 10/27/80; Reopened 6/1/82) |
| | | 130 | 11 | | 27°47'24" | 97°23'22" | L-Head Ramp |
| | | 96 | 12 | | 27°50'19" | 97°04'00" | Port Aransas Public Ramp |
| | | 96 | 13 | | 27°50'18" | 97°03'44" | Woody's Ramp |
| | | 284 | 14 | | 27°53'19" | 97°08'44" | Causeway Ramp (includes 6 wet slips) |
| | | 284 | 15 | | 27°51'26" | 97°10'07" | Sun Oil Co. - (Deleted 11/20/81; Reopened 11/20/82) |
| | | 370 | 16 | | 27°38'02" | 97°14'09" | Billing's Ramp |
| | | 370 | 17 | | 27°41'10" | 97°15'31" | Naval Ramp (includes boats in boat houses and in wet slips) |
| | | 285 | 18 | | 27°52'55" | 97°05'57" | Redfish Bay Marina Ramp (includes rent boat and boats in wet slips) |
| | | 260 | 19 | | 27°51'14" | 97°21'30" | Gunderland Marina Ramp |
| | | 260 | 20 | | 27°51'31" | 97°21'04" | Portland Shell Bank Ramp |
| | | 280 | 21 | | 27°53'58" | 97°08'14" | Louie's Bait Stand Ramp |
| | | 284 | 22 | | 27°53'22" | 97°08'48" | Harbor East with Marnot and Mac |
| | | 284 | 23 | | 27°53'22" | 97°08'59" | Harbor West |
| | | 96 | 24 | | 27°50'21" | 97°03'53" | West City Docks (2 docks with 53 net slips; party boats) |
| | | 96 | 25 | | 27°50'22" | 97°03'50" | East City Docks (2 docks and bulkhead with 88 wet slips; party boats) |
| | | 96 | 26 | | 27°50'15" | 97°03'59" | Deep Sea Headquarters (11 party boat wet slips) |
| | | 96 | 27 | | 27°50'17" | 97°03'54" | Dolphin Docks (6 party boat wet slips) |
| | | 96 | 28 | | 27°50'18" | 97°03'42" | Woody's West Docks (3 docks with 48 wet slips; party boats) |
| | | 96 | 29 | | 27°50'18" | 97°03'40" | Woody's East Docks (3 docks with 57 wet slips; party boats) |
| | | 96 | 30 | | 27°50'19" | 97°03'37" | Sportsmen Center South (1 dock with 40 wet slips; party boats) |
| | | 96 | 31 | | 27°50'21" | 97°03'37" | Sportsmen Center North (1 dock with 26 wet slips; party boats) |
| | | 96 | 32 | | 27°50'22" | 97°03'33" | Fisherman's Wharf (5 party boat wet slips) |
| | | 93 | 33 | | 27°50'15" | 97°03'11" | U.T. Boat Basin (42 wet slips) |
| | | 52 | | | | Boat trailers at non-designated ramps | |

Table B.1. (Cont'd.)

| Bay system | Minor bay | Site number | | Latitude | Longitude | Site identification |
|--------------------|-----------|-------------|---------|-----------|--|---|
| | | In use | Deleted | | | |
| Upper Laguna Madre | 370 | 1 | | 27°36'42" | 97°17'40" | Bluff Landing Ramp (includes boats in wet slips) |
| | 370 | 2 | | 27°36'57" | 97°17'40" | Jerry's Ramp |
| | 370 | 3 | | 27°37'44" | 97°17'21" | Coburn's Ramp and Tropic Isles Ramp |
| | 370 | 4 | | 27°37'53" | 97°17'21" | Laguna Marine Ramp |
| | 370 | 5 | | 27°39'44" | 97°16'12" | Toll Gate Ramp |
| | | | | (6) | | (Whitt's - Deleted 5/15/82) |
| | | | | (7) | | (Fisherman's Folly - Deleted 5/15/81) |
| | 370 | 8 | | 27°38'03" | 97°14'21" | Water Works Ramp & Rent Boats |
| | 370 | 9 | | 27°38'06" | 97°14'21" | B.G.'s Ramp |
| | 370 | 10 | | 27°38'02" | 97°14'16" | Rainbow Ramp |
| | 370 | 11 | | 27°38'04" | 97°14'16" | Clem's Ramp |
| | 370 | 12 | | 27°38'02" | 97°14'09" | Billing's Ramp |
| | 370 | 13 | | 27°37'25" | 97°13'31" | Padre Isle Investment (P.I.I.) Ramp I |
| | 370 | 14 | | 27°40'20" | 97°16'09" | Boat Hole Ramp |
| | 370 | 15 | | 27°41'10" | 97°15'31" | Naval Ramp |
| | 80 | 16 | | 27°19'08" | 97°40'56" | Kaufer Ramp |
| | 40 | 17 | | 27°17'18" | 97°39'41" | Kratz's Ramp |
| | 211 | 18 | | 27°16'38" | 97°42'29" | Williamson's Ramp |
| | 370 | 19 | | 27°28'22" | 97°18'31" | Bird Island Basin Ramp |
| | 370 | 20 | | 27°36'51" | 97°18'04" | Whiteleys Basin Ramp |
| | 370 | 21 | | 27°36'08" | 97°14'28" | Padre Isle Investment Ramp II (White Cap and Caravel) |
| | 370 | 22 | | 27°36'42" | 97°14'22" | Padre Isle Investment Ramp III (End of Cobo de Caba) |
| | 370 | 23 | | 27°35'57" | 97°13'50" | Padre Isle Investment Ramp IV (Gypsy and Bounty Avenue) |
| | 370 | 24 | | 27°35'43" | 97°13'51" | Padre Isle Investment Ramp V (Fortuna Bay and Monte Pelle) |
| | 370 | 25 | | 27°35'21" | 97°13'35" | Padre Isle Investment Ramp VI (Encatada and Cruiser) |
| | 370 | 26 | | 27°35'00" | 97°14'29" | Padre Isle Investment Ramp VII (Cartagena Street) |
| | | 52 | | | Boat trailers at non-designated ramps | |
| Lower Laguna Madre | 230 | 1 | | 26°06'09" | 97°10'08" | Fisherman's Wharf (includes boats in wet slips; includes party boats) |
| | 230 | 2 | | 26°06'06" | 97°10'08" | Jim's Ramp (includes boats in wet slips) |
| | 230 | 3 | | 26°05'05" | 97°09'54" | Sea Ranch Ramp (includes party boats between boat ramp and headboat) |

Table B.1. (Cont'd.)

| Bay system | Minor bay | Site number | | Latitude | Longitude | Site identification |
|--------------------|-----------|-------------|---------|-----------|-----------|--|
| | | In use | Deleted | | | |
| Lower Laguna Madre | | | (4) | | | (Jetties - Deleted 5/15/80) |
| | | | (5) | | | (Marchan's - Deleted 9/1/78) |
| | | | (6) | | | (Port Isabel - Deleted 9/1/76) |
| | | 230 | 7 | 26°05'03" | 97°12'07" | White Sands Ramp (includes boats in wet slips) |
| | | 294 | 8 | 26°00'07" | 97°17'55" | San Martin Ramp |
| | | 230 | 9 | 26°06'12" | 97°17'25" | Laguna Vista Ramp (includes boats in wet slips) |
| | | 262 | 10 | 26°19'35" | 97°27'15" | Arroyo Colorado Ramp |
| | | 262 | 11 | 26°20'10" | 97°26'35" | Sanchez Ramp |
| | | | | (12) | | (Al's Place - Deleted 3/27/82) |
| | | 230 | 13 | 26°33'10" | 97°25'40" | Willacy Navigation District Ramp |
| | | 282 | 14 | 26°33'20" | 97°25'41" | Port Mansfield State Ramp |
| | | | | (15) | | (Redfish Motel Ramp (includes boats in wet slips - Deleted 5/15/84)) |
| | | | | (16) | | (South Padre Marina - Deleted 3/27/82) |
| | | 230 | 17 | 26°33'05" | 97°25'40" | Port Mansfield Boat Basin (includes boats in wet slips; party boats) |
| | | 230 | 18 | 26°04'42" | 97°12'12" | Port Isabel Channel East Side (includes 45 wet slips in boat shed) |
| | | 230 | 19 | 26°04'36" | 97°09'56" | Sea Ranch Motel (includes boat shed and wet slips) |
| | | 230 | 20 | 26°05'55" | 97°10'04" | Palm Bay Pier Ramp (includes 15 wet slips) |
| | | 262 | 21 | 26°14'15" | 97°35'00" | Rio Hondo State Ramp |
| | | 230 | 22 | 26°04'30" | 97°12'55" | Port Isabel City Ramp |
| | | 230 | 23 | 26°04'25" | 07°12'54" | Travelers Trailer Park Ramp |
| | | 230 | 24 | 26°03'52" | 97°12'35" | Southpoint Marina Ramp |
| | | 230 | 25 | 26°03'55" | 97°12'33" | Southpoint Wet Slips (30 wet slips) |
| | | | 52 | | | Boat trailers at non-designated ramps |

Table B.2. Headboat sites for May 1984-May 1985.

| Major area and type | Passenger capacity | Code in use | Code deleted | Minor bay | Headboat identification |
|-------------------------------|--------------------|-------------|--------------|-----------|---|
| Galveston (Bay) | | | (81) | 180 | Kemah Clipper (Deleted 3-24-84) |
| | 76 | 86 | | | Lafitte (Added 9-1-82) |
| | 80 | 95 | | | Judy Beth (Added 12-3-81) |
| | 90 | 85 | | | Old Buccaneer (Added 5-15-84) |
| Galveston (Gulf) | 100 | 84 | | 180 | New Buccaneer |
| | 90 | | | 180 | Old Buccaneer (deleted 5-14-84) |
| | 65 | 87 | | 180 | Texsun II |
| | 30 | 88 | | 266 | Bear Cat |
| | 40 | | (89) | 266 | Lady Lari (Deleted 3-24-84) |
| | 60 | 90 | | 266 | Capt. Casey |
| | 120 | 93 | | 180 | Ranger 5 |
| | 50 | | (94) | 172 | Miss Vicki (Deleted 3-12-84) |
| | 25 | | (96) | 172 | Miss Tamara (Added 3-82; deleted 3-12-84) |
| | 25 | 97 | | 266 | Cobia (Added 5-82) |
| | | | (98) | 266 | Blue Fin (Deleted 3-24-84) |
| | | | (99) | 266 | Nancy Ann (Deleted 3-24-84) |
| | 40 | 100 | | 266 | Lady Anna (Added 5-15-84) |
| | 20 | 101 | | 266 | Nina Ruth (Added 6-6-84) |
| | 85 | 102 | | 266 | Cavalry (Added 8-1-84) |
| Aransas/Corpus Christi (Bay) | 50 | 81 | | 20 | Whooping Crane |
| | | | (82) | 20 | Mary Lou (Deleted 9-28-83) |
| | 100 | 89 | | 130 | Capt. Clark |
| | 89 | 91 | | 130 | Star Trek |
| | 30 | 94 | | 20 | Pisces (Added 5-15-84) |
| Aransas/Corpus Christi (Gulf) | 93 | 83 | | 96 | Wharf Cat |
| | 20 | 84 | | 96 | Pelican |
| | 30 | 87 | | 96 | Dolphin |
| | 93 | 92 | | 96 | Scat Cat |
| | 25 | 93 | | 96 | Dolphin Express (Added 3-28-84) |
| | | | (94) | 96 | Pisces (Deleted 3-28-84) |
| | 30 | 95 | | 96 | Kingfisher |
| Lower Laguna Madre (Bay) | 75 | 81 | | 230 | Laguna Queen |
| | 30 | 83 | | 230 | Albatross |
| | 48 | 84 | | 230 | Danny B |
| | 74 | | (88) | 230 | Majestic (Deleted 5-15-84) |
| | | | | | |
| Lower Laguna Madre (Gulf) | 48 | 82 | | 230 | Thunderbird III |
| | 19 | 85 | | 230 | Risa Ann |
| | 32 | 87 | | 230 | Miss Hospitality |

Table B.3. Major area and minor bay codes for Texas marine waters (May 1974 - May 1985).

| Major area Minor bay | Code |
|---|----------------|
| Gulf of Mexico | 17,18,19,20,21 |
| Non-defined Gulf of Mexico area | 989 |
| Gulf of Mexico off Galveston-Freeport less than or = 10 miles | 990 |
| Gulf of Mexico off Galveston-Freeport greater than 10 miles | 991 |
| Gulf of Mexico off Matagorda-San Antonio less than or = 10 miles | 992 |
| Gulf of Mexico off Matagorda-San Antonio greater than 10 miles | 993 |
| Gulf of Mexico off Aransas-Corpus Christi-upper Laguna less than or = 10 miles | 994 |
| Gulf of Mexico off Aransas-Corpus Christi-upper Laguna greater than 10 miles | 995 |
| Gulf of Mexico off lower Laguna Madre less than or = 10 miles | 996 |
| Gulf of Mexico off lower Laguna Madre greater than 10 miles | 997 |
| Gulf of Mexico off Sabine Lake less than or = 10 miles | 998 |
| Gulf of Mexico off Sabine Lake greater than 10 miles | 999 |
| Sabine Lake System | 1 |
| Sabine Lake (includes Neches River downstream from bridge on Hwy. 87) | 700 |
| Keith Lake | 701 |
| Johnson Lake | 702 |
| Salt Lake | 703 |
| Fence Lake | 704 |
| Knight Lake | 705 |
| Lost Lake | 706 |
| Cabin Lake | 707 |
| Clam Lake | 708 |
| Star Lake | 709 |
| Sabine Pass (area between bridge on Hwy. 82 to end of jetties) | 710 |
| Willow Lake | 711 |
| Barnett Lake | 712 |
| Mud Lake | 713 |
| Sabine Lake area (includes saltwater areas behind the surfline from junction of Taylor Bayou Outfall Canal and ICWW to bridge over ICWW at High Island) | 714 |
| Galveston Bay System | 2 |
| Alligator Lake | 11 |
| Ash Lake | 12 |
| Bryan Lake | 42 |
| Bastrop Bay (includes Bastrop Bayou downstream from junction with Austin Bayou) | 50 |
| Burnett Bay | 53 |
| Black Duck Bay | 54 |
| Carancahua Lake | 61 |
| Cedar Lakes | 62 |
| Cotton Lake | 63 |
| Crystal Bay | 64 |

Table B.3. (Cont'd.)

| Major area | Code |
|--|------|
| Minor bay | |
| Galveston Bay System (Cont.) | 2 |
| Bolivar Roads (area east of a line between the ferry landing on Port Bolivar to range marker at the Coast Guard station at Fort Point to the end of the jetties) | 91 |
| Quintana Channel (area between the ICWW southeast to the end of the jetties) | 92 |
| Chocolate Bay | 100 |
| Choctaw Lake | 101 |
| Christmas Bay | 110 |
| Clear Lake (includes Clear Creek downstream from the bridge on Hwy. 3) | 111 |
| Crab Lake | 123 |
| Cox Lake | 131 |
| Dickinson Bay (includes Dickinson Bayou downstream from bridge on ST 146) | 141 |
| Dollar Bay | 142 |
| Drum Bay | 144 |
| Cow Trap Lakes | 145 |
| East Bay (also includes all waters from bridge over ICWW at High Island to junction of ICWW and East Bay) | 150 |
| Freeport Bay Area (includes saltwater areas behind the surfline from Drum Pt. to Salt Bayou on the ICWW not defined with a minor bay code) | 172 |
| Galveston Bay | 180 |
| Green's Lake | 181 |
| Hall's Lake (includes Hall's Bayou downstream from the bridge on Hwy. 2004) | 191 |
| Horseshoe Lake | 192 |
| Jones Lake (includes Highland Bayou downstream from the railroad bridge that connects Texas City with the GC&SF railroad) | 201 |
| Jones Lake (Freeport area) | 203 |
| Lake Como | 214 |
| Lost Lake | 222 |
| Lost Bay | 225 |
| Moses Lake | 241 |
| McNeal Lake | 244 |
| Mud Lake | 245 |
| Nicks Lake | 253 |
| Oyster Lake (near Bastrop Bay) | 261 |
| Oyster Creek | 265 |
| Old Brazos River (from end of harbor to junction with ICWW) | 266 |
| Oyster Lake (Bolivar Peninsula) | 267 |
| Pelican Lake | 268 |
| Swan Lake (Freeport area) | 269 |
| Rollover Bay | 286 |

Table B.3. (Cont'd.)

| Major area | Code |
|--|------|
| Minor bay | |
| Galveston Bay System (Cont.) | 2 |
| Salt Lake | 291 |
| Swan Lake (Galveston area) | 311 |
| Tabb's Bay | 312 |
| San Jacinto Bay | 318 |
| Scott Bay | 319 |
| Taylor Lake | 321 |
| Sweetwater Lake | 324 |
| Trinity Bay (includes Trinity River Delta south of Big Hog Bayou) | 330 |
| West Bay | 350 |
| Rollover Pass (area between junction with Rollover Bay and surfline) | 500 |
| San Luis Pass (area 1/2 mile bayward and 1/2 mile Gulfward off the Vacek bridge) | 530 |
| San Bernard River (includes all waters downstream from the Narrows subdivision to the junction with the Gulf) | 560 |
| Brazos River (includes all waters downstream from the Dow Chemical floodgate to the junction with the Gulf) | 570 |
| Matagorda Bay System | 3 |
| Boggy Lake | 51 |
| Carancahua Bay (downstream from where the Carancahua River enters the bay) | 60 |
| Matagorda Ship Channel (area from marker 13 southeast to end of jetties) | 98 |
| Chocolate Bay | 112 |
| Crab Lake | 121 |
| Coon Island Bay | 122 |
| Cox Bay | 140 |
| East Matagorda Bay (includes Caney Creek downstream from Sargent and also the ICWW from Salt Bayou to Caney Creek) | 160 |
| Freshwater Lake | 171 |
| Gottschalk Lake | 182 |
| Kilbride Lake | 202 |
| Keller Bay | 210 |
| Lavaca Bay (includes Lavaca River below the junction of Redfish Bayou and the Lavaca River) | 220 |
| Lake Austin | 223 |
| Live Oak Bay | 224 |
| McNabb Lake | 242 |
| Mad Island Lake | 243 |
| Oyster Lake | 264 |
| Powderhorn Lake | 271 |
| Pelton Lake | 273 |
| Redfish Lake (Carancahua Bay area) | 281 |
| Redfish Lake (Lavaca River area) | 283 |

Table B.3. (Cont'd.)

| Major area | Code |
|--|------|
| Minor bay | |
| Matagorda Bay System (Cont.) | 2 |
| Robbins Lake | 287 |
| Salt Lake | 292 |
| Swan Lake | 316 |
| Tres Palacios Bay (includes Tres Palacios River downstream from bridge on F.M. 521) | 320 |
| Turtle Bay | 340 |
| Matagorda Bay | 360 |
| Venado Lake | 371 |
| Brown Cedar Cut (area between the two land masses southeast to the surfline) | 580 |
| Colorado River (includes all waters downstream from Selkirk Island to the junction with Gulf) | 590 |
| Pass Cavallo (area south of a line between Decros Pt. and Saluria Bayou to a line drawn between Marker 13 and the Matagorda Light on Matagorda Island) | 620 |
| San Antonio Bay System | |
| Ayres Bay | 30 |
| Barroom Bay | 52 |
| Espiritu Santo Bay | 170 |
| Guadalupe Bay | 190 |
| Hynes Bay | 200 |
| Long Lake (Matagorda Island) | 212 |
| Lucas Lake | 213 |
| Long Lake (Guadalupe Delta) | 215 |
| Mustang Lake | 251 |
| Mission Lake | 252 |
| Pringle Lake | 272 |
| San Antonio Bay | 300 |
| Shoalwater Bay | 301 |
| Southpass Lake | 302 |
| Contee Lake | 303 |
| Long Lake (Aransas Wildlife Refuge) | 304 |
| Pats Bay | 305 |
| Power Lake | 306 |
| Twin Lakes | 307 |
| Cedar Lake | 308 |
| Panther Point Lake | 309 |
| Swan Lake (Guadalupe Delta) | 322 |
| Swan Lake (Matagorda Island) | 323 |

Table B.3. (Cont'd.)

| Major area | Code |
|---|------|
| Minor bay | |
| Aransas Bay System | 5 |
| Allyns Lake | 13 |
| Aransas Bay | 20 |
| Big Brundrett Lake | 43 |
| Little Brundrett Lake | 44 |
| Carlos Bay | 70 |
| Cedar Bayou (area between a line drawn from Cedar Pt. southeast to the point of land on Matagorda Island to the surfline including Vincents Bayou) | 90 |
| Lydia Ann Channel (north of a line between Aransas Channel Marker 2 to Range Light on San Jose Island and south of a line between ICWW Marker 84 at north end of Lydia Ann Island) | 94 |
| Aransas Channel (area between Marker 4 in the Aransas Channel southeast to a line drawn between the Radio Beacon Tower and the range marker on San Jose Island) | 95 |
| Copano Bay (includes Aransas River downstream from the earthen dam) | 120 |
| Dunham Bay | 143 |
| Long Lake | 226 |
| Little Bay | 227 |
| Mission Bay (includes Mission River downstream from bridge on Hwy. 2678) | 240 |
| Mesquite Bay | 250 |
| Port Bay | 270 |
| Redfish Bay | 280 |
| South Bay (all waters inside of a line drawn from where Stedman Island and the low bridge connect, along the channel by Hog Island to Corpus Christi Bayou thence the Quarantine Shore to where the Aransas Shrimp Channel and Lydia Ann Channel meet thence along the west shore of the Aransas Shrimp Channel to marker 4 thence along the East Shore of the Shrimp Channel and then to the point of Stedman Island and the low bridge) | 285 |
| Salt Lake | 293 |
| St. Charles Bay | 310 |
| Sundown Bay | 315 |
| Swan Lake | 317 |
| Corpus Christi Bay System | 6 |
| Port Aransas Pass (area between a line drawn from the range marker on San Jose Island to the Radio Beacon Tower, to the end of the jetties) | 93 |
| Corpus Christi Channel (area west of a line between Fina Docks and Radio Beacon Tower to Marker 14 on the Corpus Christi Channel) | 96 |

Table B.3. (Cont'd.)

| Major area | Code |
|--|------|
| Minor bay | |
| Corpus Christi Bay System (Cont.) | |
| Corpus Christi Bay | 130 |
| Nueces Bay | 260 |
| Oso Bay | 263 |
| Redfish Bay (a line running from the ICWW at the southwest end end of the Dagger Island chain, along Dagger Island to the Southeast tip of South Ransom Island, then due East to Harbor Island) | 274 |
| Sunset Lake | 314 |
| Water Exchange Channel (area between junction with Corpus Christi Bay and Gulf of Mexico surfline) | 680 |
| Upper Laguna Madre System | 7 |
| Alazan Bay | 10 |
| Baffin Bay | 40 |
| Cayo Del Grulla Bay | 80 |
| Laguna Salada | 211 |
| Upper Laguna Madre | 370 |
| Corpus Christi Pass (area between junction with Upper Laguna Madre and Gulf of Mexico surfline) | 690 |
| Lower Laguna Madre System | 8 |
| Brownsville Ship Channel (area from Marker 30 to Port Brownsville Turning Basin) | 41 |
| Port Mansfield Channel (area between Marker 12 and end of jetties) | 97 |
| Brazos Santiago Channel (area between a line drawn from the Radio Beacon due south to Brazos Island to the end of the jetties) | 99 |
| El Realito Bay | 151 |
| Lower Laguna Madre | 230 |
| Arroyo Colorado (includes all waters downstream from Port Harlingen to the junction with the ICWW) | 262 |
| Redfish Bay (includes all water between the Port Mansfield Channel and the Land Cut) | 282 |
| San Martin Lake | 294 |
| South Bay | 313 |
| East Matagorda Bay System (used by resource monitoring project only) | 9 |

Appendix C: Estimation of Weekday Pressure and Landings for Private-Boat Fishermen.

Estimation of Weekday Pressure and Landings
for Private-Boat Fishermen

The Texas Parks and Wildlife Department has conducted surveys of weekend private-boat fishing in seven bay systems since 1974 (Heffernan et al. 1976; Breuer et al. 1977; Green et al. 1978; McEachron 1980a, 1980b; McEachron and Green 1981, 1982, 1983, 1984; Osburn and Ferguson 1985a). Weekdays were monitored except from September 1976 to May 1979. Total annual and weekend bay and pass pressure (man-h) and finfish landings from May 1979 to May 1984 were used to develop a method for estimating weekday pressure and landings for years when weekdays were not surveyed.

The percent that weekend pressure and landings comprised of the total annual estimates were calculated for each bay system, season, year and by species for landings (Tables C.1., C.2.). These percents were transformed using arcsine $\sqrt{\text{percent}}$ to assure a more normal distribution and equality of variances. Three-way analyses of variance were used to test for differences among bay systems and years. Data were pooled when no significant differences were found ($P=0.05$). Separate adjustment factors were calculated when differences were found for bay systems or seasons.

No difference was found for pressure. Total annual weekend and weekday pressure (\hat{P}) for May 1976-May 1979 was then estimated for each bay system and a coastwide basis using:

$$\hat{P} = \frac{WEP}{0.5469}$$

where WEP was the weekend pressure. Weekday pressure was obtained by subtracting weekend pressure from the estimated total annual pressure.

No differences among bay systems, seasons or years were found for sheepshead or southern flounder (Table C.3). Season was a significant factor for gafftopsail catfish only. Bay systems were significantly different for red drum, spotted seatrout and "other" species. Similar bay systems were grouped for each species (Table C.3.).

Years were significantly different for Atlantic croaker, black drum, gafftopsail catfish, sand seatrout and spotted seatrout. In all cases where differences were found the year 1979-80 and/or 1980-81 were different from later years. Adjustment factors were then calculated using pooled data from the later years. It was felt that 1979-80 and 1980-81 were not representative years due to the oil crisis that began in 1979. Gas was not available on Sundays in most areas. Gas prices also increased greatly. On weekends fishermen who do not live on the coast are most likely to visit the coast to go saltwater fishing. The lack of gas availability and high prices may have affected their visitation by restricting weekend travel in those years. Weekday fishermen generally live adjacent to the coast and their fishing frequency probably stayed the same. This shift in visitation would cause a change in the distribution of landings among weekends and weekdays.

Total weekend and weekday landings (\hat{L}) were calculated for each species using:

$$\hat{L}_i = \frac{WEL_i}{P_i}$$

where WEL was the weekend landings and P was the adjustment factor for each pooled group of data i.

Table C.1. Weekend pressure (man-h) as a percent of total weekend and weekday pressure by bay system, season and year (May 1979-May 1984).

| Bay system Year | Season | |
|--------------------|----------|---------|
| | High-use | Low-use |
| Galveston | | |
| 1979-80 | 49 | 36 |
| 1980-81 | 28 | 62 |
| 1981-82 | 54 | 67 |
| 1982-83 | 56 | 40 |
| 1983-84 | 61 | 41 |
| Matagorda | | |
| 1979-80 | 57 | 73 |
| 1980-81 | 56 | 57 |
| 1981-82 | 53 | 63 |
| 1982-83 | 58 | 44 |
| 1983-84 | 59 | 76 |
| San Antonio | | |
| 1979-80 | 55 | 68 |
| 1980-81 | 60 | 95 |
| 1981-82 | 55 | 60 |
| 1982-83 | 65 | 31 |
| 1983-84 | 56 | 73 |
| Aransas | | |
| 1979-80 | 90 | 50 |
| 1980-81 | 62 | 71 |
| 1981-82 | 52 | 39 |
| 1982-83 | 41 | 43 |
| 1983-84 | 69 | 28 |
| Corpus Christi | | |
| 1979-80 | 24 | 67 |
| 1980-81 | 14 | 45 |
| 1981-82 | 47 | 36 |
| 1982-83 | 61 | 65 |
| 1983-84 | 56 | 39 |
| Upper Laguna Madre | | |
| 1979-80 | 48 | 58 |
| 1980-81 | 74 | 53 |
| 1981-82 | 59 | 56 |
| 1982-83 | 67 | 57 |
| 1983-84 | 61 | 67 |
| Lower Laguna Madre | | |
| 1979-80 | 51 | 61 |
| 1980-81 | 57 | 56 |
| 1981-82 | 60 | 40 |
| 1982-83 | 54 | 48 |
| 1983-84 | 54 | 40 |

Table C.2. Weekend landings of selected finfish as a percent of total weekend and weekday landings by bay system and season (1979-1984). Blank = none landed on weekends or weekdays.

| Species | Season | Year | Bay system | | | | | | |
|---------------------|--------|---------|------------|-----------|-------------|---------|----------------|--------------------|--------------------|
| | | | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre |
| Atlantic croaker | | | | | | | | | |
| High Use | | 1979-80 | 98 | 100 | 87 | 100 | 64 | 6 | 100 |
| | | 1980-81 | 29 | 28 | 27 | 47 | 9 | 52 | 34 |
| | | 1981-82 | 50 | 63 | 50 | 71 | 64 | 76 | 69 |
| | | 1982-83 | 46 | 55 | 82 | 76 | 27 | 87 | 61 |
| | | 1983-84 | 47 | 55 | 61 | 44 | 46 | 79 | 53 |
| Low Use | | 1979-80 | 71 | 63 | 83 | 0 | 86 | 100 | 100 |
| | | 1980-81 | 33 | 37 | | | 71 | 73 | 16 |
| | | 1981-82 | 26 | 100 | | 0 | 33 | 83 | 80 |
| | | 1982-83 | 43 | 64 | 100 | 0 | 2 | 8 | 48 |
| | | 1983-84 | 45 | | | 100 | | 0 | 0 |
| Black drum | | | | | | | | | |
| High Use | | 1979-80 | 98 | 41 | 86 | 100 | 100 | 100 | 7 |
| | | 1980-81 | 37 | 75 | 64 | 6 | 48 | 47 | 70 |
| | | 1981-82 | 12 | 57 | 13 | 15 | 23 | 78 | 69 |
| | | 1982-83 | 53 | 41 | 57 | 18 | 67 | 78 | 27 |
| | | 1983-84 | 27 | 50 | 78 | 77 | 58 | 65 | 47 |
| Low Use | | 1979-80 | 19 | 83 | 61 | 0 | 100 | 14 | 100 |
| | | 1980-81 | 65 | 43 | 93 | 100 | 67 | 55 | 55 |
| | | 1981-82 | 5 | 57 | 33 | 20 | 21 | 66 | 37 |
| | | 1982-83 | 7 | 8 | 17 | 8 | 61 | 38 | 49 |
| | | 1983-84 | 93 | 64 | 63 | 17 | 24 | 18 | 53 |
| Gafftopsail catfish | | | | | | | | | |
| High Use | | 1979-80 | 100 | 100 | 100 | 100 | 100 | 100 | |
| | | 1980-81 | 85 | 100 | 33 | 100 | 100 | | 100 |
| | | 1981-82 | 52 | 53 | 50 | 60 | 45 | 0 | |
| | | 1982-83 | 18 | 69 | 54 | 47 | 38 | 64 | 55 |
| | | 1983-84 | 74 | 84 | 45 | 56 | 40 | 85 | 0 |

Table C.2. (Cont'd.).

| Species | Season | Year | Bay system | | | | | | |
|---------------------|----------|---------|------------|-----------|-------------|---------|----------------|--------------------|--------------------|
| | | | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre |
| Gafftopsail catfish | | | | | | | | | |
| | Low Use | 1979-80 | 0 | | 63 | | 22 | 0 | |
| | | 1980-81 | 0 | 45 | 100 | 100 | 42 | | |
| | | 1981-82 | 0 | 10 | | 18 | 0 | 67 | |
| | | 1982-83 | 0 | 0 | 33 | | 58 | | |
| | | 1983-84 | 100 | 10 | 100 | 0 | 100 | | |
| Red drum | | | | | | | | | |
| | High Use | 1979-80 | 24 | 100 | 51 | 100 | 100 | 24 | 6 |
| | | 1980-81 | 10 | 69 | 45 | 51 | 31 | 70 | 47 |
| | | 1981-82 | 44 | 41 | 35 | 39 | 36 | 41 | 45 |
| | | 1982-83 | 60 | 49 | 58 | 30 | 69 | 50 | 50 |
| | | 1983-84 | 34 | 55 | 53 | 63 | 52 | 59 | 48 |
| | Low Use | 1979-80 | 18 | 88 | 62 | 38 | 80 | 61 | 73 |
| | | 1980-81 | 78 | 57 | 100 | 100 | 41 | 63 | 70 |
| | | 1981-82 | 10 | 94 | 79 | 66 | 33 | 67 | 43 |
| | | 1982-83 | 36 | 71 | 46 | 63 | 29 | 65 | 27 |
| | | 1983-84 | 40 | 52 | 90 | 30 | 3 | 19 | 53 |
| Sand seatrout | | | | | | | | | |
| | High Use | 1979-80 | 41 | 100 | 51 | 100 | 17 | 7 | 8 |
| | | 1980-81 | 22 | 9 | 33 | 92 | 5 | 37 | 56 |
| | | 1981-82 | 20 | 48 | 80 | 20 | 54 | 36 | 67 |
| | | 1982-83 | 57 | 46 | 68 | 37 | 49 | 47 | 74 |
| | | 1983-84 | 39 | 68 | 64 | 28 | 48 | 72 | 70 |
| | Low Use | 1979-80 | 81 | 100 | | | 42 | 86 | 100 |
| | | 1980-81 | 6 | | | | 73 | 99 | 60 |
| | | 1981-82 | 0 | 45 | | 80 | 28 | 14 | 34 |
| | | 1982-83 | 0 | 0 | 5 | 19 | 14 | 50 | 3 |
| | | 1983-84 | 99 | 5 | 100 | 80 | 0 | | 4 |

Table C.2. (Cont'd.)

| Species | Year | Bay system | | | | | | |
|--------------------------|---------|------------|-----------|-------------|---------|----------------|--------------------|--------------------|
| | | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre |
| Sheepshead | | | | | | | | |
| High Use | 1979-80 | 42 | 42 | 34 | 100 | 100 | 100 | 9 |
| | 1980-81 | 28 | 74 | 45 | 51 | 3 | 79 | 39 |
| | 1981-82 | 25 | 47 | 55 | 34 | 25 | 36 | 57 |
| | 1982-83 | 47 | 20 | 42 | 39 | 55 | 59 | 30 |
| | 1983-84 | 44 | 51 | 59 | 43 | 34 | 60 | 40 |
| Low Use | 1979-80 | 1 | 100 | 25 | 0 | 61 | 10 | 43 |
| | 1980-81 | 22 | 89 | 100 | 1 | 34 | 39 | 48 |
| | 1981-82 | 22 | 71 | 76 | 73 | 5 | 69 | 5 |
| | 1982-83 | 84 | 5 | 17 | 5 | 38 | 63 | 14 |
| | 1983-84 | 51 | 59 | 67 | 3 | 7 | 0 | 11 |
| Southern flounder | | | | | | | | |
| High Use | 1979-80 | 6 | 100 | 19 | 100 | 100 | 17 | 42 |
| | 1980-81 | 19 | 38 | 70 | 49 | 2 | 75 | 57 |
| | 1981-82 | 41 | 15 | 46 | 37 | 10 | 50 | 42 |
| | 1982-83 | 57 | 35 | 72 | 57 | 41 | 73 | 45 |
| | 1983-84 | 51 | 74 | 68 | 68 | 34 | 55 | 47 |
| Low Use | 1979-80 | 1 | 67 | 90 | 100 | 59 | 60 | 73 |
| | 1980-81 | 93 | 100 | 100 | 97 | 4 | 32 | 73 |
| | 1981-82 | 62 | 53 | 13 | 40 | 57 | 84 | 50 |
| | 1982-83 | 83 | 44 | 4 | 36 | 55 | 40 | 51 |
| | 1983-84 | 10 | 20 | 75 | 8 | 33 | 0 | 41 |
| Spotted seatrout | | | | | | | | |
| High Use | 1979-80 | 78 | 59 | 28 | 78 | 65 | 61 | 38 |
| | 1980-81 | 5 | 42 | 59 | 41 | 22 | 71 | 51 |
| | 1981-82 | 21 | 47 | 45 | 34 | 45 | 56 | 59 |
| | 1982-83 | 49 | 32 | 51 | 31 | 37 | 58 | 45 |
| | 1983-84 | 44 | 44 | 44 | 59 | 49 | 59 | 42 |

Table C.2. (Cont'd.).

| Species | Year | Bay system | | | | | | |
|-------------------------|---------|------------|-----------|-------------|---------|----------------|--------------------|--------------------|
| | | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre |
| Spotted seatrout | | | | | | | | |
| Low Use | 1979-80 | 67 | 75 | 34 | 75 | 65 | 50 | 53 |
| | 1980-81 | 6 | 54 | 79 | 56 | 37 | 51 | 37 |
| | 1981-82 | 34 | 75 | 61 | 31 | 25 | 40 | 41 |
| | 1982-83 | 14 | 21 | 22 | 18 | 43 | 41 | 38 |
| | 1983-84 | 19 | 85 | 88 | 5 | 1 | 69 | 21 |
| Other | | | | | | | | |
| High Use | 1979-80 | 68 | 100 | 31 | 100 | 25 | 1 | 14 |
| | 1980-81 | 55 | 39 | 61 | 83 | 12 | 84 | 40 |
| | 1981-82 | 43 | 47 | 44 | 29 | 41 | 72 | 82 |
| | 1982-83 | 50 | 60 | 70 | 37 | 46 | 85 | 68 |
| | 1983-84 | 30 | 75 | 70 | 37 | 61 | 68 | 59 |
| Low Use | 1979-80 | 100 | 100 | 100 | | 4 | 71 | 31 |
| | 1980-81 | 31 | 96 | 100 | 100 | 49 | 89 | 39 |
| | 1981-82 | 84 | 25 | 50 | 77 | 24 | 83 | 20 |
| | 1982-83 | 18 | | 27 | 21 | 64 | 79 | 3 |
| | 1983-84 | 31 | 90 | 100 | 80 | 29 | 97 | 11 |

Table C.3. Adjustment factors (%) for calculating total annual weekend and weekday landings from weekend landings for selected species.

| Species | Adjustment factor (%) | Bay systems ^a | Seasons ^b | Years used for % ^c |
|---------------------|-----------------------|--------------------------|----------------------|-------------------------------|
| Atlantic croaker | 0.5000 | all | all | 1980-81 to 1983-84 |
| Black drum | 0.4212 | all | all | 1981-82 to 1983-84 |
| Gafftopsail catfish | 0.4945 | all | high use | 1981-82 to 1983-84 |
| | 0.3973 | all | low use | 1981-82 to 1983-84 |
| Red drum | 0.4523 | 2,6,7,8 | all | all |
| | 0.6250 | 3,4,5 | all | all |
| Sand seatrout | 0.4243 | all | all | 1980-81 to 1983-84 |
| Sheepshead | 0.4237 | all | all | all |
| Southern flounder | 0.5029 | all | all | all |
| Spotted seatrout | 0.3025 | 2,5,6 | all | 1980-81 to 1983-84 |
| | 0.5392 | 3,4,7 | all | 1980-81 to 1983-84 |
| | 0.4175 | 8 | all | 1980-81 to 1983-84 |
| Other | 0.4107 | 2,6,8 | all | all |
| | 0.6784 | 3,4,5,7 | all | all |

^a2=Galveston, 3=Matagorda, 4=San Antonio, 5=Aransas, 6=Corpus Christi, 7=upper Laguna Madre, 8=lower Laguna Madre, all = all bay systems were pooled.

^ball means both the high and low use seasons were pooled.

^call means that all years (1979-80 to 1983-84) were pooled.

Appendix D: Estimates for private-boat fishing in Texas bays and passes.

Table D.1. Number of weekend days surveyed and number of private-boat fishermen interviewed () in Texas bays and passes by season and bay system (1974-85). ND = no data.

| Year Season | Bay System | | | | | | | Coastwide |
|----------------|------------|-----------|----------------|----------|-------------------|--------------------------|--------------------------|------------|
| | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | |
| 1974-75 | | | | | | | | |
| High use | 7 (865) | ND | 13 (1259) | 7 (238) | ND | 9 (459) | ND | 36 (2821) |
| Low use | 11 (312) | ND | 19 (471) | 12 (199) | ND | 12 (346) | ND | 54 (1328) |
| Annual | 18 (1177) | ND | 32 (1730) | 19 (437) | ND | 21 (805) | ND | 90 (4149) |
| 1975-76 | | | | | | | | |
| High use | ND | 5 (99) | ND | ND | 5 (121) | ND | 5 (181) | 15 (401) |
| Low use | ND | 9 (130) | ND | ND | 11 (202) | ND | 10 (253) | 30 (585) |
| Annual | ND | 14 (229) | ND | ND | 16 (323) | ND | 15 (434) | 45 (986) |
| 1976-77 | | | | | | | | |
| High use | 15 (541) | 17 (264) | 8 (344) | 8 (306) | 15 (492) | 8 (290) | 17 (732) | 88 (2969) |
| Low use | 29 (235) | 17 (109) | 13 (184) | 14 (168) | 16 (305) | 15 (147) | 15 (373) | 119 (1521) |
| Annual | 44 (776) | 34 (373) | 21 (528) | 22 (474) | 31 (797) | 23 (437) | 32 (1105) | 207 (4490) |
| 1977-78 | | | | | | | | |
| High use | 34 (1285) | 16 (471) | 18 (826) | 17 (481) | 16 (429) | 16 (299) | 16 (706) | 133 (4497) |
| Low use | 31 (486) | 15 (231) | 14 (435) | 16 (178) | 15 (223) | 15 (323) | 16 (601) | 122 (2477) |
| Annual | 65 (1771) | 31 (702) | 32 (1261) | 33 (659) | 31 (652) | 31 (622) | 32 (1307) | 255 (6974) |
| 1978-79 | | | | | | | | |
| High use | 32 (1817) | 17 (596) | 18 (962) | 16 (380) | 18 (500) | 17 (596) | 17 (700) | 135 (5551) |
| Low use | 32 (532) | 15 (106) | 15 (448) | 16 (164) | 14 (183) | 16 (338) | 15 (311) | 123 (2082) |
| Annual | 64 (2349) | 32 (702) | 33 (1410) | 32 (544) | 32 (683) | 33 (934) | 32 (1011) | 258 (7633) |
| 1979-80 | | | | | | | | |
| High use | 27 (913) | 18 (433) | 21 (1010) | 17 (308) | 18 (475) | 15 (474) | 17 (666) | 133 (4279) |
| Low use | 15 (173) | 12 (286) | 21 (650) | 14 (107) | 15 (545) | 16 (463) | 15 (485) | 108 (2709) |
| Annual | 42 (1086) | 30 (719) | 42 (1660) | 31 (415) | 33 (1020) | 31 (937) | 32 (1151) | 241 (6988) |
| 1980-81 | | | | | | | | |
| High use | 17 (870) | 17 (535) | 22 (1099) | 17 (322) | 17 (583) | 18 (1076) | 17 (690) | 125 (5175) |
| Low use | 8 (96) | 8 (71) | 9 (231) | 9 (91) | 8 (302) | 7 (256) | 8 (342) | 57 (1389) |
| Annual | 25 (966) | 25 (606) | 31 (1330) | 26 (413) | 25 (885) | 25 (1332) | 25 (1032) | 182 (6564) |

Table D.1. (Cont'd.)

| Year Season | Bay System | | | | | | | Coastwide |
|----------------|------------|-----------|----------------|-----------|-------------------|--------------------------|--------------------------|-------------|
| | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | |
| 1981-82 | | | | | | | | |
| High use | 27 (775) | 27 (546) | 21 (693) | 27 (614) | 27 (1276) | 27 (1280) | 23 (1239) | 179 (6423) |
| Low use | 12 (178) | 12 (115) | 12 (311) | 12 (58) | 12 (259) | 12 (325) | 12 (377) | 84 (1623) |
| Annual | 39 (953) | 39 (661) | 33 (1004) | 39 (672) | 39 (1535) | 39 (1605) | 35 (1616) | 263 (8046) |
| 1982-83 | | | | | | | | |
| High use | 31 (1669) | 27 (650) | 27 (1031) | 27 (422) | 27 (1104) | 27 (1903) | 23 (1593) | 189 (8372) |
| Low use | 12 (64) | 12 (66) | 12 (251) | 12 (71) | 12 (453) | 12 (342) | 12 (581) | 84 (1828) |
| Annual | 43 (1733) | 39 (716) | 39 (1282) | 39 (493) | 39 (1557) | 39 (2245) | 35 (2174) | 273 (10200) |
| 1983-84 | | | | | | | | |
| High use | 32 (583) | 31 (702) | 26 (1351) | 31 (873) | 31 (940) | 31 (2656) | 31 (1771) | 213 (8876) |
| Low use | 12 (110) | 13 (133) | 12 (230) | 10 (24) | 12 (174) | 12 (133) | 12 (243) | 83 (1047) |
| Annual | 44 (693) | 44 (835) | 38 (1581) | 41 (897) | 43 (1114) | 43 (2789) | 43 (2014) | 296 (9923) |
| 1984-85 | | | | | | | | |
| High use | 31 (1672) | 31 (1399) | 25 (1025) | 31 (820) | 31 (666) | 31 (683) | 31 (1660) | 211 (7924) |
| Low use | 12 (161) | 11 (407) | 12 (265) | 12 (198) | 12 (298) | 12 (326) | 12 (410) | 83 (2065) |
| Annual | 43 (1833) | 42 (1806) | 37 (1290) | 43 (1018) | 43 (964) | 43 (1009) | 43 (2070) | 294 (9989) |

Table D.2. Number of weekdays surveyed and number of private-boat weekday fishermen interviewed () in Texas bays and passes by season and bay system (1974-1985). ND = no data.

| Year Season | Bay System | | | | | | | | | | Coastwide |
|----------------|------------|-----------|----------------|----------|-------------------|--------------------------|--------------------------|--|--|------------|-----------|
| | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | | | | |
| 1974-76 | | | | | | | | | | | |
| High use | 8 (68) | 4 (25) | 18 (169) | 8 (42) | 4 (25) | 12 (62) | 4 (54) | | | 58 (445) | |
| Low use | 8 (112) | 7 (10) | 15 (145) | 8 (91) | 8 (96) | 8 (51) | 8 (41) | | | 62 (546) | |
| Annual | 16 (180) | 11 (35) | 33 (314) | 16 (133) | 12 (121) | 20 (113) | 12 (95) | | | 120 (991) | |
| 1976-77 | | | | | | | | | | | |
| High use | ND | ND | ND | ND | ND | ND | ND | | | ND | |
| Low use | ND | ND | ND | ND | ND | ND | ND | | | ND | |
| Annual | ND | ND | ND | ND | ND | ND | ND | | | ND | |
| 1977-78 | | | | | | | | | | | |
| High use | ND | ND | ND | ND | ND | ND | ND | | | ND | |
| Low use | ND | ND | ND | ND | ND | ND | ND | | | ND | |
| Annual | ND | ND | ND | ND | ND | ND | ND | | | ND | |
| 1978-79 | | | | | | | | | | | |
| High use | ND | ND | ND | ND | ND | ND | ND | | | ND | |
| Low use | ND | ND | ND | ND | ND | ND | ND | | | ND | |
| Annual | ND | ND | ND | ND | ND | ND | ND | | | ND | |
| 1979-80 | | | | | | | | | | | |
| High use | 6 (32) | 4 (6) | 7 (128) | 3 (8) | 7 (32) | 3 (16) | 4 (54) | | | 34 (276) | |
| Low use | 7 (31) | 8 (9) | 16 (126) | 8 (28) | 8 (26) | 7 (71) | 7 (25) | | | 61 (316) | |
| Annual | 13 (63) | 12 (15) | 23 (254) | 11 (36) | 15 (58) | 10 (87) | 11 (79) | | | 95 (592) | |
| 1980-81 | | | | | | | | | | | |
| High use | 24 (476) | 25 (95) | 28 (428) | 26 (206) | 25 (444) | 26 (202) | 25 (255) | | | 179 (2106) | |
| Low use | 16 (196) | 13 (46) | 15 (33) | 14 (64) | 13 (72) | 14 (103) | 14 (101) | | | 99 (615) | |
| Annual | 40 (672) | 38 (141) | 43 (461) | 40 (270) | 38 (516) | 40 (305) | 39 (356) | | | 278 (2721) | |
| 1981-82 | | | | | | | | | | | |
| High use | 61 (761) | 61 (398) | 57 (856) | 61 (491) | 60 (1120) | 61 (556) | 55 (809) | | | 416 (4991) | |
| Low use | 24 (96) | 24 (61) | 24 (152) | 24 (223) | 24 (152) | 24 (139) | 24 (398) | | | 168 (1221) | |
| Annual | 85 (857) | 85 (459) | 81 (1008) | 85 (714) | 84 (1272) | 85 (695) | 79 (1207) | | | 584 (6212) | |

Table D.2. (Cont'd.)

| Year Season | Bay System | | | | | | | | | |
|----------------|------------|-----------|----------------|----------|-------------------|--------------------------|--------------------------|-----------|--------|--|
| | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | Coastwide | | |
| 1982-83 | | | | | | | | | | |
| High use | 66 (811) | 61 (468) | 55 (719) | 61 (439) | 61 (738) | 61 (810) | 55 (1221) | 420 | (5206) | |
| Low use | 24 (183) | 24 (91) | 24 (341) | 24 (155) | 24 (150) | 24 (183) | 24 (684) | 168 | (1787) | |
| Annual | 90 (994) | 85 (559) | 79 (1060) | 85 (594) | 85 (888) | 85 (993) | 79 (1905) | 588 | (6993) | |
| 1983-84 | | | | | | | | | | |
| High use | 63 (720) | 62 (949) | 45 (877) | 64 (845) | 64 (994) | 66 (1390) | 66 (1326) | 430 | (7101) | |
| Low use | 24 (130) | 23 (100) | 21 (74) | 22 (114) | 24 (104) | 24 (54) | 24 (180) | 162 | (756) | |
| Annual | 87 (850) | 85 (1049) | 66 (951) | 86 (959) | 88 (1098) | 90 (1444) | 90 (1506) | 592 | (7857) | |
| 1984-85 | | | | | | | | | | |
| High use | 65 (965) | 65 (659) | 46 (416) | 65 (586) | 66 (724) | 66 (372) | 66 (981) | 439 | (4703) | |
| Low use | 24 (109) | 24 (163) | 22 (67) | 22 (135) | 23 (117) | 24 (72) | 24 (223) | 165 | (886) | |
| Annual | 89 (1074) | 89 (822) | 87 (483) | 87 (721) | 89 (841) | 90 (444) | 90 (1204) | 604 | (5584) | |

Table D.3. Bay and pass private-boat fishing pressure estimates (man-h x 1000) \pm 1 SE by season, day type and bay system, 15 May 1974-14 May 1985.

| Bay system | High-use season | | Low-use Season | | Annual ^b |
|--------------------|--------------------|----------------------|-------------------|----------------------|---------------------|
| | Weekend | Weekday ^a | Weekend | Weekday ^a | |
| Year | | | | | |
| Galveston | | | | | |
| 1974-76 | 684.9 \pm 372.8 | 1210.2 \pm 566.6 | 505.5 \pm 143.3 | 465.0 \pm 192.0 | 2865.6 \pm 719.4 |
| 1976-77 | 481.8 \pm 84.4 | 399.2 | 82.5 \pm 26.7 | 68.3 | 1031.8 |
| 1977-78 | 1019.2 \pm 221.2 | 844.4 | 171.3 \pm 40.2 | 141.9 | 2176.8 |
| 1978-79 | 893.7 \pm 124.2 | 740.4 | 184.8 \pm 73.6 | 153.1 | 1972.0 |
| 1979-80 | 675.7 \pm 87.0 | 698.4 \pm 628.5 | 225.6 \pm 77.0 | 402.2 \pm 275.0 | 2002.0 \pm 695.8 |
| 1980-81 | 465.4 \pm 96.3 | 1209.1 \pm 344.7 | 303.1 \pm 153.1 | 182.3 \pm 59.8 | 2159.9 \pm 387.2 |
| 1981-82 | 809.1 \pm 193.0 | 692.1 \pm 157.8 | 257.5 \pm 72.9 | 125.3 \pm 39.2 | 1884.1 \pm 262.7 |
| 1982-83 | 823.3 \pm 110.5 | 636.2 \pm 93.9 | 81.5 \pm 44.5 | 123.5 \pm 48.6 | 1664.5 \pm 159.3 |
| 1983-84 | 937.2 \pm 409.9 | 509.5 \pm 80.3 | 262.7 \pm 137.0 | 378.6 \pm 263.0 | 2087.9 \pm 512.2 |
| 1984-85 | 764.8 \pm 105.4 | 439.7 \pm 53.0 | 152.7 \pm 85.8 | 146.1 \pm 73.3 | 1503.3 \pm 163.3 |
| Matagorda | | | | | |
| 1974-76 | 357.3 \pm 127.3 | 124.2 \pm 98.0 | 123.5 \pm 73.2 | 25.8 \pm 17.6 | 630.8 \pm 177.4 |
| 1976-77 | 126.8 \pm 39.0 | 141.7 | 52.4 \pm 22.6 | 43.4 | 364.3 |
| 1977-78 | 206.6 \pm 47.7 | 171.2 | 75.5 \pm 33.2 | 62.5 | 515.8 |
| 1978-79 | 257.5 \pm 48.4 | 213.3 | 71.9 \pm 30.4 | 59.5 | 602.3 |
| 1979-80 | 165.0 \pm 35.0 | 125.5 \pm 125.5 | 80.8 \pm 23.8 | 30.1 \pm 21.3 | 401.4 \pm 134.2 |
| 1980-81 | 292.9 \pm 63.5 | 233.9 \pm 164.4 | 63.2 \pm 27.2 | 47.1 \pm 25.4 | 637.2 \pm 180.1 |
| 1981-82 | 216.3 \pm 34.7 | 188.6 \pm 32.9 | 59.2 \pm 19.8 | 34.1 \pm 10.0 | 498.2 \pm 52.7 |
| 1982-83 | 193.7 \pm 35.7 | 139.3 \pm 18.3 | 26.2 \pm 9.0 | 33.8 \pm 7.9 | 393.0 \pm 41.9 |
| 1983-84 | 308.5 \pm 48.4 | 209.7 \pm 30.7 | 107.5 \pm 47.2 | 38.3 \pm 15.9 | 664.0 \pm 76.0 |
| 1984-85 | 192.1 \pm 28.0 | 140.6 \pm 21.1 | 135.6 \pm 37.9 | 60.7 \pm 27.3 | 529.0 \pm 58.4 |
| San Antonio | | | | | |
| 1974-76 | 156.5 \pm 39.2 | 64.7 \pm 17.6 | 59.2 \pm 9.9 | 43.5 \pm 11.9 | 323.9 \pm 45.7 |
| 1976-77 | 119.8 \pm 34.5 | 99.3 | 43.6 \pm 23.4 | 36.1 | 298.8 |
| 1977-78 | 116.4 \pm 27.6 | 96.4 | 51.1 \pm 9.4 | 42.3 | 306.2 |
| 1978-79 | 120.6 \pm 19.6 | 99.9 | 35.8 \pm 7.3 | 29.7 | 286.0 |
| 1979-80 | 81.4 \pm 11.9 | 67.8 \pm 14.8 | 53.9 \pm 21.6 | 25.7 \pm 9.3 | 228.8 \pm 30.2 |
| 1980-81 | 83.3 \pm 15.4 | 54.8 \pm 10.1 | 86.9 \pm 43.2 | 4.4 \pm 1.6 | 229.4 \pm 47.0 |
| 1981-82 | 78.5 \pm 13.1 | 62.8 \pm 9.6 | 26.5 \pm 6.5 | 17.6 \pm 4.7 | 185.3 \pm 18.2 |
| 1982-83 | 144.9 \pm 23.5 | 78.5 \pm 12.5 | 18.8 \pm 4.7 | 41.4 \pm 10.4 | 283.7 \pm 28.9 |
| 1983-84 | 124.0 \pm 20.1 | 98.8 \pm 19.9 | 32.7 \pm 12.8 | 17.1 \pm 7.0 | 272.5 \pm 31.8 |
| 1984-85 | 69.1 \pm 7.1 | 38.4 \pm 6.3 | 28.2 \pm 8.1 | 8.1 \pm 2.5 | 143.7 \pm 12.7 |

Table D.3. (Cont'd.)

| Bay system | High-use season | | Low-use Season | | Annual ^b |
|---------------------------|-----------------|----------------------|----------------|----------------------|---------------------|
| | Weekend | Weekday ^a | Weekend | Weekday ^a | |
| Year | | | | | |
| Aransas | | | | | |
| 1974-76 | 170.6 ± 71.4 | 150.2 ± 56.4 | 73.0 ± 20.7 | 139.4 ± 41.7 | 533.3 ± 102.2 |
| 1976-77 | 161.4 ± 26.1 | 133.7 | 58.6 ± 17.5 | 48.5 | 402.2 |
| 1977-78 | 127.0 ± 21.6 | 105.2 | 54.7 ± 15.4 | 45.3 | 332.2 |
| 1978-79 | 131.4 ± 17.4 | 108.9 | 42.1 ± 9.6 | 34.9 | 317.3 |
| 1979-80 | 125.8 ± 26.0 | 14.7 ± 14.7 | 20.1 ± 6.6 | 20.1 ± 12.7 | 180.6 ± 33.1 |
| 1980-81 | 119.3 ± 34.6 | 73.8 ± 12.7 | 42.0 ± 9.9 | 17.1 ± 6.9 | 252.3 ± 38.8 |
| 1981-82 | 157.3 ± 24.9 | 144.7 ± 26.4 | 50.2 ± 20.1 | 80.1 ± 20.0 | 432.3 ± 46.1 |
| 1982-83 | 133.2 ± 38.5 | 190.8 ± 31.4 | 48.9 ± 20.0 | 66.1 ± 18.7 | 439.0 ± 56.8 |
| 1983-84 | 396.0 ± 128.2 | 160.4 ± 23.7 | 17.6 ± 10.9 | 45.3 ± 20.5 | 619.3 ± 132.4 |
| 1984-85 | 137.3 ± 25.7 | 127.4 ± 26.2 | 75.9 ± 34.5 | 73.3 ± 30.5 | 414.0 ± 58.9 |
| Corpus Christi | | | | | |
| 1974-76 | 103.9 ± 41.4 | 38.8 ± 15.2 | 50.9 ± 12.6 | 73.2 ± 27.2 | 266.7 ± 53.3 |
| 1976-77 | 66.9 ± 14.3 | 76.5 | 37.4 ± 14.7 | 31.0 | 211.8 |
| 1977-78 | 83.8 ± 16.7 | 69.4 | 27.1 ± 5.7 | 22.5 | 202.8 |
| 1978-79 | 113.0 ± 17.8 | 93.6 | 58.8 ± 19.4 | 48.7 | 314.1 |
| 1979-80 | 79.4 ± 13.4 | 256.0 ± 222.2 | 79.4 ± 22.0 | 39.6 ± 12.3 | 454.5 ± 224.1 |
| 1980-81 | 82.0 ± 14.7 | 497.1 ± 226.7 | 71.9 ± 26.5 | 88.4 ± 38.2 | 739.4 ± 231.8 |
| 1981-82 | 109.7 ± 10.4 | 125.8 ± 28.4 | 42.0 ± 9.0 | 74.7 ± 13.3 | 352.2 ± 34.3 |
| 1982-83 | 147.2 ± 23.7 | 92.5 ± 132.3 | 137.4 ± 50.2 | 74.7 ± 17.4 | 451.8 ± 59.7 |
| 1983-84 | 393.5 ± 193.8 | 299.4 ± 92.6 | 27.3 ± 11.6 | 42.2 ± 16.4 | 762.4 ± 215.7 |
| 1984-85 | 134.3 ± 26.8 | 152.7 ± 30.8 | 191.5 ± 61.8 | 59.8 ± 33.8 | 538.2 ± 81.4 |
| Upper Laguna Madre | | | | | |
| 1974-76 | 117.1 ± 29.1 | 212.8 ± 67.3 | 298.0 ± 127.7 | 99.3 ± 43.8 | 727.1 ± 153.6 |
| 1976-77 | 171.8 ± 34.0 | 142.3 | 62.3 ± 20.0 | 51.6 | 428.0 |
| 1977-78 | 98.2 ± 18.1 | 81.3 | 101.2 ± 27.2 | 83.8 | 364.5 |
| 1978-79 | 132.5 ± 20.2 | 109.8 | 65.9 ± 14.5 | 54.6 | 362.8 |
| 1979-80 | 139.3 ± 30.6 | 149.6 ± 34.3 | 108.3 ± 24.5 | 78.9 ± 24.2 | 476.0 ± 57.4 |
| 1980-81 | 392.9 ± 57.7 | 137.1 ± 27.3 | 164.4 ± 103.9 | 147.5 ± 78.6 | 841.9 ± 145.1 |
| 1981-82 | 371.2 ± 79.1 | 258.4 ± 98.2 | 126.3 ± 43.9 | 99.7 ± 59.7 | 855.7 ± 146.2 |
| 1982-83 | 404.0 ± 56.9 | 197.3 ± 32.8 | 105.2 ± 36.0 | 80.3 ± 20.7 | 786.8 ± 77.6 |
| 1983-84 | 402.7 ± 51.7 | 259.0 ± 40.6 | 46.0 ± 13.1 | 22.3 ± 10.2 | 730.1 ± 67.8 |
| 1984-85 | 103.6 ± 21.2 | 73.7 ± 15.7 | 78.6 ± 28.4 | 84.5 ± 48.2 | 340.4 ± 61.9 |

Table D.3. (Cont'd.)

| Bay system | High-use season | | Low-use Season | | Annual ^b |
|------------------------|-----------------|----------------------|----------------|----------------------|---------------------|
| | Weekend | Weekday ^a | Weekend | Weekday ^a | |
| Lower Laguna Madre | | | | | |
| 1974-76 | 299.7 ± 130.0 | 201.0 ± 44.6 | 182.7 ± 83.3 | 156.7 ± 78.7 | 840.1 ± 179.0 |
| 1976-77 | 178.2 ± 31.2 | 238.9 | 143.0 ± 75.2 | 118.5 | 678.6 |
| 1977-78 | 208.4 ± 53.4 | 172.7 | 112.8 ± 22.0 | 93.5 | 587.4 |
| 1978-79 | 240.9 ± 77.7 | 199.6 | 48.3 ± 11.3 | 40.0 | 528.8 |
| 1979-80 | 115.7 ± 19.0 | 112.2 ± 60.8 | 107.9 ± 27.9 | 67.7 ± 41.8 | 403.5 ± 81.2 |
| 1980-81 | 134.6 ± 28.6 | 100.9 ± 44.7 | 83.9 ± 29.8 | 65.5 ± 20.1 | 384.9 ± 64.1 |
| 1981-82 | 134.6 ± 17.1 | 88.0 ± 9.8 | 48.5 ± 13.0 | 71.7 ± 12.7 | 342.8 ± 26.9 |
| 1982-83 | 215.6 ± 22.6 | 180.3 ± 22.1 | 80.2 ± 13.3 | 85.5 ± 19.0 | 561.6 ± 39.2 |
| 1983-84 | 200.7 ± 21.1 | 172.6 ± 19.4 | 56.1 ± 19.1 | 83.0 ± 26.4 | 512.5 ± 43.4 |
| 1984-85 | 195.1 ± 37.5 | 136.5 ± 16.1 | 167.5 ± 36.2 | 114.0 ± 35.1 | 613.1 ± 64.9 |
| Coastwide ^b | | | | | |
| 1974-76 | 1889.9 ± 275.7 | 2001.9 ± 455.5 | 1292.8 ± 130.5 | 1002.9 ± 130.7 | 6187.5 ± 516.9 |
| 1976-77 | 1306.7 ± 113.3 | 1231.5 | 479.9 ± 91.5 | 397.6 | 3415.7 |
| 1977-78 | 1859.8 ± 236.5 | 1540.8 | 593.6 ± 65.5 | 491.8 | 4486.0 |
| 1978-79 | 1889.6 ± 158.7 | 1565.5 | 507.6 ± 84.8 | 420.5 | 4383.2 |
| 1979-80 | 1382.3 ± 105.3 | 1424.2 ± 682.2 | 676.0 ± 94.2 | 664.3 ± 280.7 | 4146.8 ± 751.1 |
| 1980-81 | 1570.5 ± 138.2 | 2306.7 ± 447.4 | 815.4 ± 182.6 | 552.3 ± 110.9 | 5245.0 ± 514.7 |
| 1981-82 | 1876.6 ± 214.3 | 1560.4 ± 193.1 | 610.2 ± 91.3 | 503.2 ± 77.2 | 4550.5 ± 312.3 |
| 1982-83 | 2061.8 ± 140.8 | 1515.0 ± 109.7 | 498.3 ± 80.5 | 505.3 ± 63.1 | 4580.4 ± 205.7 |
| 1983-84 | 2762.6 ± 477.3 | 1709.4 ± 137.7 | 549.9 ± 148.2 | 626.8 ± 266.4 | 5648.7 ± 582.8 |
| 1984-85 | 1596.4 ± 123.2 | 1108.9 ± 73.7 | 829.9 ± 126.4 | 546.6 ± 108.4 | 4081.8 ± 219.9 |

^aFor 1976-1977 to 1978-1979 weekday pressure was estimated from weekend pressure and no standard errors are available.

^bDue to rounding of numbers, these totals may not exactly equal individual totals.

Table D.4. Annual estimated landings of fishes (No. x 1000) \pm 1 SE caught by private-boat fishermen in Texas bays and passes by species and bay system (1974-1985).

| Species | Bay system | | | | | | | |
|----------------------------|-------------------|-----------------|---------------|-----------------|-------------------|--------------------|--------------------|------------------------|
| | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | Coastwide ^a |
| Atlantic croaker | | | | | | | | |
| 1974-76 | 699.1 \pm 308.9 | 19.7 \pm 9.5 | 6.0 \pm 2.1 | 3.8 \pm 2.2 | 12.5 \pm 5.5 | 152.4 \pm 86.5 | 11.9 \pm 5.8 | 905.4 \pm 220.2 |
| 1976-77 | 536.0 | 26.6 | 1.2 | 6.4 | 21.2 | 33.9 | 17.5 | 642.8 |
| 1977-78 | 875.2 | 24.1 | 1.0 | 4.1 | 16.2 | 34.9 | 11.3 | 966.8 |
| 1978-79 | 481.8 | 25.0 | 2.8 | 1.2 | 16.8 | 67.8 | 9.0 | 604.4 |
| 1979-80 | 250.5 \pm 89.9 | 8.3 \pm 3.1 | 2.0 \pm 1.0 | 1.5 \pm 0.8 | 11.8 \pm 4.5 | 106.8 \pm 57.6 | 2.3 \pm 0.6 | 383.2 \pm 106.9 |
| 1980-81 | 372.2 \pm 197.9 | 48.3 \pm 24.2 | 1.6 \pm 0.7 | 1.5 \pm 0.5 | 149.1 \pm 118.3 | 30.6 \pm 8.1 | 7.4 \pm 3.0 | 610.7 \pm 232.0 |
| 1981-82 | 192.8 \pm 48.1 | 6.6 \pm 2.2 | 0.6 \pm 0.3 | 1.3 \pm 0.5 | 41.9 \pm 22.1 | 29.3 \pm 8.7 | 3.0 \pm 0.7 | 275.6 \pm 53.8 |
| 1982-83 | 179.5 \pm 32.4 | 7.8 \pm 2.2 | 1.2 \pm 0.4 | 6.9 \pm 3.9 | 20.2 \pm 5.6 | 25.6 \pm 13.5 | 8.0 \pm 1.6 | 249.2 \pm 35.8 |
| 1983-84 | 159.4 \pm 36.1 | 11.4 \pm 3.8 | 1.4 \pm 0.5 | 38.6 \pm 14.6 | 38.3 \pm 13.2 | 26.7 \pm 5.2 | 4.6 \pm 0.8 | 280.2 \pm 41.6 |
| 1984-85 | 214.0 \pm 42.0 | 7.1 \pm 2.0 | 0.3 \pm 0.2 | 4.8 \pm 1.8 | 8.1 \pm 2.7 | 2.6 \pm 0.9 | 4.1 \pm 1.5 | 241.0 \pm 42.2 |
| Black drum | | | | | | | | |
| 1974-76 | 35.2 \pm 11.4 | 20.5 \pm 12.2 | 2.9 \pm 0.9 | 18.2 \pm 14.7 | 13.9 \pm 5.4 | 12.5 \pm 6.2 | 25.1 \pm 13.5 | 128.3 \pm 14.7 |
| 1976-77 | 67.0 | 15.6 | 37.0 | 7.2 | 5.9 | 16.3 | 9.9 | 159.0 |
| 1977-78 | 111.9 | 26.2 | 8.1 | 5.2 | 5.6 | 8.3 | 12.8 | 178.1 |
| 1978-79 | 94.8 | 20.4 | 5.6 | 1.8 | 2.8 | 6.2 | 18.0 | 149.6 |
| 1979-80 | 37.2 \pm 10.1 | 13.4 \pm 6.3 | 2.0 \pm 0.7 | 9.8 \pm 5.8 | 3.6 \pm 1.4 | 7.1 \pm 5.7 | 4.3 \pm 1.8 | 77.4 \pm 14.6 |
| 1980-81 | 87.1 \pm 31.7 | 44.7 \pm 15.5 | 2.5 \pm 0.8 | 1.7 \pm 0.8 | 8.3 \pm 2.7 | 7.0 \pm 2.5 | 6.4 \pm 2.6 | 157.7 \pm 35.6 |
| 1981-82 | 59.9 \pm 20.7 | 24.8 \pm 4.9 | 9.0 \pm 4.4 | 15.6 \pm 5.0 | 8.6 \pm 3.0 | 9.2 \pm 3.7 | 5.5 \pm 1.7 | 132.6 \pm 22.9 |
| 1982-83 | 105.8 \pm 37.5 | 24.6 \pm 5.7 | 4.2 \pm 1.3 | 8.2 \pm 3.0 | 11.5 \pm 2.9 | 9.0 \pm 2.1 | 7.9 \pm 1.7 | 171.2 \pm 38.3 |
| 1983-84 | 26.7 \pm 5.8 | 22.4 \pm 5.0 | 3.4 \pm 1.2 | 11.5 \pm 3.2 | 8.0 \pm 2.1 | 3.0 \pm 1.0 | 6.2 \pm 2.1 | 81.1 \pm 9.0 |
| 1984-85 | 24.2 \pm 4.9 | 13.8 \pm 3.6 | 1.7 \pm 0.6 | 5.9 \pm 5.4 | 3.8 \pm 1.5 | 0.7 \pm 0.4 | 5.1 \pm 2.5 | 55.2 \pm 8.7 |
| Gafftopsail catfish | | | | | | | | |
| 1974-76 | 42.8 \pm 30.1 | 17.6 \pm 10.3 | 4.2 \pm 1.5 | 12.7 \pm 8.4 | 3.3 \pm 3.0 | 0.0 | 0.0 | 80.6 \pm 21.7 |
| 1976-77 | 17.6 | 43.0 | 6.2 | 3.8 | 6.9 | 0.0 | <.1 | 77.6 |
| 1977-78 | 7.2 | 32.3 | 6.3 | 2.2 | 1.4 | 0.0 | 0.0 | 49.4 |
| 1978-79 | 31.0 | 28.0 | 3.8 | 5.8 | 6.9 | <.1 | 0.4 | 76.0 |
| 1979-80 | 3.1 \pm 2.0 | 1.4 \pm 0.7 | 1.1 \pm 0.4 | 0.1 \pm 0.1 | 4.1 \pm 2.7 | 0.2 \pm 0.2 | 0.0 | 10.2 \pm 3.4 |
| 1980-81 | 14.5 \pm 8.6 | 1.5 \pm 0.8 | 0.6 \pm 0.3 | 0.6 \pm 0.3 | 1.9 \pm 0.9 | <.1 \pm <.1 | 0.1 \pm 0.1 | 19.1 \pm 8.7 |
| 1981-82 | 4.2 \pm 2.1 | 7.0 \pm 3.0 | 0.9 \pm 0.5 | 3.3 \pm 1.8 | 16.5 \pm 14.1 | 0.3 \pm 0.2 | <.1 \pm <.1 | 32.2 \pm 14.7 |
| 1982-83 | 5.2 \pm 2.4 | 3.8 \pm 1.2 | 3.1 \pm 0.9 | 1.8 \pm 0.7 | 6.9 \pm 2.2 | <.1 \pm <.1 | 0.1 \pm 0.1 | 21.0 \pm 3.7 |
| 1983-84 | 3.3 \pm 1.6 | 4.9 \pm 2.2 | 1.8 \pm 0.7 | 2.3 \pm 0.7 | 6.5 \pm 3.0 | 0.2 \pm 0.1 | 0.1 \pm 0.1 | 19.1 \pm 4.1 |
| 1984-85 | 2.3 \pm 0.9 | 4.3 \pm 1.2 | 2.2 \pm 0.9 | 1.9 \pm 0.7 | 0.8 \pm 0.3 | 0.2 \pm 0.2 | 0.1 \pm 0.1 | 11.7 \pm 1.9 |

Table D.4. (Cont'd.)

| Species | Bay system | | | | | | | | Coastwide ^a |
|----------------------|---------------|-------------|-------------|-------------|----------------|--------------------|--------------------|---------------|------------------------|
| | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | | |
| Red drum | | | | | | | | | |
| 1974-76 | 120.0 ± 68.3 | 37.9 ± 13.0 | 38.7 ± 7.7 | 23.1 ± 6.6 | 17.0 ± 7.6 | 20.5 ± 4.7 | 50.3 ± 17.8 | 307.5 ± 148.0 | |
| 1976-77 | 22.8 | 17.9 | 29.7 | 17.6 | 11.8 | 9.0 | 22.2 | 131.1 | |
| 1977-78 | 69.2 | 11.4 | 17.1 | 22.9 | 4.9 | 4.6 | 18.6 | 148.7 | |
| 1978-79 | 29.0 | 23.0 | 25.3 | 4.4 | 5.6 | 3.5 | 8.4 | 99.2 | |
| 1979-80 | 41.1 ± 19.6 | 20.2 ± 7.7 | 20.0 ± 6.3 | 9.7 ± 5.0 | 8.0 ± 3.1 | 13.1 ± 4.0 | 29.9 ± 12.4 | 142.0 ± 26.2 | |
| 1980-81 | 69.9 ± 25.1 | 29.9 ± 8.2 | 12.4 ± 2.9 | 8.5 ± 2.8 | 14.5 ± 4.1 | 25.7 ± 4.6 | 11.7 ± 2.8 | 172.7 ± 27.5 | |
| 1981-82 | 34.2 ± 9.7 | 20.5 ± 6.3 | 16.1 ± 4.6 | 13.9 ± 3.5 | 9.5 ± 1.6 | 17.5 ± 3.6 | 8.5 ± 1.9 | 120.4 ± 13.7 | |
| 1982-83 | 27.1 ± 6.0 | 14.7 ± 3.4 | 14.4 ± 1.6 | 25.4 ± 7.0 | 8.5 ± 2.2 | 14.3 ± 2.0 | 21.7 ± 2.9 | 126.2 ± 10.8 | |
| 1983-84 | 25.3 ± 5.4 | 46.8 ± 8.9 | 29.9 ± 5.4 | 34.2 ± 6.1 | 20.3 ± 4.6 | 13.3 ± 1.5 | 28.8 ± 3.7 | 198.5 ± 14.5 | |
| 1984-85 | 20.8 ± 5.2 | 9.2 ± 2.8 | 7.5 ± 3.0 | 17.1 ± 4.1 | 15.2 ± 4.1 | 3.8 ± 0.9 | 22.4 ± 3.9 | 96.0 ± 9.7 | |
| Sand seatrout | | | | | | | | | |
| 1974-76 | 722.5 ± 428.9 | 68.5 ± 45.4 | 7.7 ± 4.2 | 15.9 ± 10.0 | 90.1 ± 26.7 | 52.9 ± 44.2 | 19.5 ± 11.1 | 977.1 ± 296.5 | |
| 1976-77 | 589.5 | 31.6 | 0.2 | 58.2 | 111.7 | 22.6 | 23.5 | 837.3 | |
| 1977-78 | 337.4 | 33.0 | 3.0 | 14.2 | 49.5 | 5.7 | 53.7 | 496.4 | |
| 1978-79 | 677.4 | 25.5 | <.1 | 10.3 | 35.2 | 4.3 | 6.5 | 759.3 | |
| 1979-80 | 307.1 ± 170.4 | 8.7 ± 4.1 | 3.9 ± 2.1 | 0.5 ± 0.2 | 85.5 ± 53.2 | 22.7 ± 15.5 | 12.2 ± 9.2 | 440.6 ± 179.4 | |
| 1980-81 | 339.1 ± 99.2 | 26.4 ± 13.5 | 0.9 ± 0.5 | 9.1 ± 3.4 | 447.8 ± 377.0 | 6.7 ± 2.5 | 8.9 ± 2.7 | 838.8 ± 390.1 | |
| 1981-82 | 153.1 ± 40.2 | 43.0 ± 18.3 | 2.0 ± 1.2 | 11.5 ± 5.4 | 61.9 ± 14.8 | 13.8 ± 7.0 | 20.0 ± 5.2 | 305.4 ± 47.7 | |
| 1982-83 | 279.2 ± 53.9 | 21.5 ± 6.4 | 6.7 ± 1.9 | 21.6 ± 5.9 | 118.5 ± 24.9 | 8.5 ± 2.9 | 15.4 ± 3.6 | 471.2 ± 60.2 | |
| 1983-84 | 164.4 ± 67.7 | 34.9 ± 12.5 | 3.6 ± 0.9 | 29.1 ± 9.4 | 96.1 ± 24.4 | 12.1 ± 3.4 | 9.6 ± 2.7 | 349.9 ± 73.8 | |
| 1984-85 | 303.3 ± 81.5 | 13.9 ± 7.8 | 2.6 ± 1.1 | 23.7 ± 8.9 | 24.0 ± 7.6 | 10.6 ± 4.0 | 24.7 ± 9.8 | 402.7 ± 83.4 | |
| Sheepshead | | | | | | | | | |
| 1974-76 | 27.8 ± 10.7 | 15.3 ± 8.9 | 4.2 ± 1.2 | 48.7 ± 34.3 | 5.4 ± 2.3 | 11.5 ± 5.2 | 2.7 ± 1.0 | 115.6 ± 25.1 | |
| 1976-77 | 23.5 | 22.7 | 2.4 | 12.5 | 6.7 | 4.0 | 10.7 | 82.5 | |
| 1977-78 | 184.5 | 24.8 | 7.6 | 12.8 | 4.0 | 5.0 | 12.7 | 251.5 | |
| 1978-79 | 39.9 | 31.0 | 2.2 | 5.5 | 8.0 | 3.4 | 15.0 | 104.5 | |
| 1979-80 | 87.1 ± 51.6 | 9.9 ± 4.5 | 4.0 ± 2.0 | 16.9 ± 14.6 | 7.4 ± 2.6 | 4.4 ± 2.4 | 45.8 ± 17.4 | 175.5 ± 56.7 | |
| 1980-81 | 39.5 ± 12.4 | 16.2 ± 8.2 | 1.6 ± 0.4 | 18.0 ± 10.0 | 67.2 ± 25.8 | 8.8 ± 3.5 | 11.6 ± 4.4 | 163.0 ± 31.9 | |
| 1981-82 | 38.1 ± 10.1 | 29.2 ± 10.3 | 5.1 ± 1.9 | 24.9 ± 10.0 | 19.9 ± 8.1 | 4.0 ± 1.0 | 18.1 ± 9.3 | 139.4 ± 21.5 | |
| 1982-83 | 43.9 ± 8.7 | 19.0 ± 9.2 | 6.9 ± 1.7 | 18.0 ± 10.7 | 65.4 ± 30.4 | 5.8 ± 1.3 | 16.2 ± 6.7 | 175.2 ± 35.3 | |
| 1983-84 | 29.3 ± 6.3 | 20.1 ± 9.5 | 3.6 ± 0.8 | 16.0 ± 7.0 | 3.9 ± 1.0 | 2.2 ± 0.4 | 12.0 ± 5.0 | 87.1 ± 14.3 | |
| 1984-85 | 27.4 ± 7.6 | 15.7 ± 5.5 | 1.4 ± 0.5 | 40.1 ± 27.1 | 3.0 ± 1.4 | 0.4 ± 0.2 | 15.1 ± 6.0 | 103.2 ± 29.3 | |

Table D.4. (Cont'd.)

| Species Year | Bay system | | | | | | | Coastwide ^a |
|--------------------------|---------------|---------------|--------------|---------------|----------------|--------------------|--------------------|------------------------|
| | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | |
| Southern flounder | | | | | | | | |
| 1974-76 | 85.0 ± 30.2 | 36.0 ± 16.4 | 10.9 ± 2.7 | 24.7 ± 11.2 | 3.8 ± 1.4 | 55.9 ± 22.8 | 3.9 ± 1.2 | 220.2 ± 27.6 |
| 1976-77 | 31.6 | 19.9 | 9.6 | 8.2 | 7.5 | 2.5 | 5.8 | 85.0 |
| 1977-78 | 42.0 | 19.3 | 9.4 | 12.3 | 4.2 | 4.6 | 10.4 | 102.2 |
| 1978-79 | 38.4 | 25.5 | 4.4 | 7.9 | 16.7 | 3.0 | 9.9 | 105.8 |
| 1979-80 | 440.7 ± 284.0 | 12.1 ± 5.0 | 8.0 ± 2.8 | 1.9 ± 0.9 | 8.1 ± 3.9 | 15.9 ± 4.4 | 14.0 ± 5.1 | 500.7 ± 284.2 |
| 1980-81 | 54.6 ± 15.0 | 14.6 ± 7.1 | 7.5 ± 3.0 | 10.5 ± 4.7 | 71.2 ± 37.0 | 13.6 ± 3.9 | 8.1 ± 2.5 | 180.2 ± 41.2 |
| 1981-82 | 35.0 ± 8.1 | 14.6 ± 8.4 | 3.5 ± 0.9 | 9.9 ± 2.8 | 21.8 ± 10.0 | 10.7 ± 2.5 | 9.9 ± 1.9 | 145.4 ± 15.9 |
| 1982-83 | 98.6 ± 24.3 | 9.1 ± 2.3 | 5.7 ± 1.5 | 15.7 ± 6.8 | 7.2 ± 1.3 | 17.7 ± 3.3 | 26.9 ± 3.7 | 180.9 ± 25.9 |
| 1983-84 | 70.4 ± 18.1 | 23.7 ± 4.3 | 3.8 ± 0.8 | 19.7 ± 10.2 | 20.0 ± 7.5 | 8.4 ± 1.2 | 10.4 ± 2.0 | 156.4 ± 22.6 |
| 1984-85 | 75.1 ± 18.2 | 14.6 ± 2.8 | 2.8 ± 0.8 | 10.4 ± 2.9 | 21.1 ± 5.0 | 4.0 ± 1.1 | 9.2 ± 2.7 | 137.3 ± 19.5 |
| Spotted seatrout | | | | | | | | |
| 1974-76 | 638.6 ± 216.6 | 252.1 ± 105.4 | 271.9 ± 70.2 | 750.0 ± 340.1 | 78.4 ± 24.8 | 335.4 ± 79.4 | 275.1 ± 64.7 | 2601.5 ± 288.8 |
| 1976-77 | 166.9 | 36.3 | 98.8 | 306.8 | 143.1 | 371.1 | 479.5 | 1601.8 |
| 1977-78 | 326.2 | 132.7 | 61.0 | 205.6 | 139.6 | 92.3 | 243.8 | 1201.2 |
| 1978-79 | 369.6 | 103.8 | 25.3 | 163.3 | 104.8 | 54.9 | 182.0 | 1003.7 |
| 1979-80 | 120.0 ± 34.2 | 44.0 ± 16.2 | 121.0 ± 53.9 | 89.3 ± 30.0 | 49.9 ± 14.4 | 155.3 ± 38.4 | 191.9 ± 53.7 | 771.4 ± 99.0 |
| 1980-81 | 829.2 ± 354.9 | 78.5 ± 18.4 | 59.1 ± 14.7 | 83.3 ± 17.7 | 110.7 ± 22.3 | 290.3 ± 50.4 | 140.0 ± 27.6 | 1591.2 ± 361.4 |
| 1981-82 | 344.7 ± 76.8 | 153.0 ± 29.1 | 63.2 ± 8.9 | 159.2 ± 29.7 | 145.5 ± 25.8 | 239.2 ± 43.6 | 155.5 ± 16.5 | 1260.3 ± 102.7 |
| 1982-83 | 243.2 ± 60.1 | 83.7 ± 13.4 | 63.9 ± 9.9 | 112.4 ± 18.8 | 98.8 ± 16.5 | 217.5 ± 22.6 | 252.7 ± 21.4 | 1072.3 ± 74.0 |
| 1983-84 | 261.8 ± 50.5 | 162.4 ± 39.1 | 82.3 ± 18.1 | 128.1 ± 26.8 | 141.6 ± 31.4 | 190.5 ± 27.0 | 168.2 ± 18.0 | 1134.9 ± 84.7 |
| 1984-85 | 94.9 ± 15.7 | 37.1 ± 14.6 | 4.8 ± 0.9 | 38.8 ± 22.0 | 37.0 ± 12.4 | 9.6 ± 3.4 | 97.1 ± 15.9 | 319.2 ± 36.9 |
| Other species | | | | | | | | |
| 1974-76 | 99.5 ± 51.5 | 8.3 ± 5.6 | 6.6 ± 2.1 | 6.7 ± 2.1 | 14.2 ± 5.4 | 10.9 ± 6.6 | 24.2 ± 18.9 | 170.4 ± 36.3 |
| 1976-77 | 32.8 | 6.1 | 5.5 | 4.4 | 9.4 | 3.2 | 25.1 | 86.5 |
| 1977-78 | 71.4 | 15.2 | 4.6 | 3.5 | 4.6 | 4.4 | 6.1 | 109.8 |
| 1978-79 | 75.1 | 11.8 | 2.1 | 2.9 | 12.4 | 0.3 | 2.6 | 106.9 |
| 1979-80 | 70.9 ± 25.9 | 6.8 ± 2.8 | 3.0 ± 1.6 | 0.9 ± 0.6 | 60.9 ± 45.9 | 50.7 ± 46.5 | 7.6 ± 4.3 | 200.8 ± 70.5 |
| 1980-81 | 98.2 ± 21.3 | 11.4 ± 5.9 | 2.7 ± 1.0 | 2.4 ± 1.4 | 65.8 ± 38.0 | 14.7 ± 9.5 | 4.9 ± 2.4 | 200.1 ± 45.1 |
| 1981-82 | 86.0 ± 27.3 | 9.7 ± 2.8 | 2.6 ± 1.1 | 7.6 ± 2.5 | 18.5 ± 3.3 | 5.4 ± 1.4 | 3.8 ± 0.8 | 133.7 ± 27.8 |
| 1982-83 | 89.5 ± 15.8 | 8.3 ± 1.9 | 5.1 ± 1.2 | 10.6 ± 2.6 | 44.9 ± 11.9 | 11.1 ± 6.0 | 8.9 ± 1.9 | 178.4 ± 21.0 |
| 1983-84 | 68.2 | 18.3 | 9.8 | 41.0 | 25.0 | 7.2 | 8.1 | 177.4 |
| 1984-85 | 46.2 | 13.8 | 3.4 | 8.7 | 8.4 | 2.1 | 21.0 | 103.6 |

Table D.4. (Cont'd.)

| Species Year | Bay system | | | | | | | Coastwide ^a |
|-----------------------------------|----------------|---------------|--------------|---------------|----------------|--------------------|--------------------|------------------------|
| | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | |
| All species combined ^a | | | | | | | | |
| 1974-76 | 2470.6 ± 763.4 | 475.7 ± 181.0 | 353.2 ± 77.6 | 903.8 ± 346.2 | 238.7 ± 55.1 | 652.0 ± 154.1 | 412.6 ± 70.5 | 5506.6 ± 590.7 |
| 1976-77 | 1487.6 | 220.4 | 190.3 | 425.1 | 324.3 | 462.6 | 594.2 | 3698.9 |
| 1977-78 | 2025.0 | 319.1 | 118.1 | 282.8 | 230.0 | 159.7 | 369.3 | 3504.0 |
| 1978-79 | 1837.1 | 293.8 | 71.7 | 202.8 | 209.2 | 143.3 | 252.0 | 3009.9 |
| 1979-80 | 1357.8 ± 507.6 | 124.7 ± 30.1 | 165.0 ± 53.3 | 130.6 ± 38.1 | 239.5 ± 80.4 | 376.3 ± 107.4 | 307.9 ± 86.6 | 2701.8 ± 537.0 |
| 1980-81 | 1904.4 ± 499.7 | 271.7 ± 67.0 | 88.7 ± 16.4 | 135.7 ± 24.0 | 936.5 ± 585.5 | 397.4 ± 60.7 | 199.0 ± 34.4 | 3933.5 ± 776.3 |
| 1981-82 | 947.9 ± 155.9 | 308.6 ± 49.7 | 103.2 ± 14.1 | 247.4 ± 35.7 | 344.1 ± 47.8 | 329.4 ± 47.6 | 224.2 ± 24.0 | 2504.8 ± 182.7 |
| 1982-83 | 1071.9 ± 129.3 | 192.5 ± 25.5 | 111.2 ± 11.6 | 220.7 ± 31.8 | 381.9 ± 55.1 | 309.6 ± 34.1 | 357.8 ± 27.3 | 2645.7 ± 153.2 |
| 1983-84 | 808.7 ± 114.0 | 344.8 ± 51.0 | 139.5 ± 25.4 | 320.4 ± 53.0 | 359.7 ± 59.5 | 263.5 ± 30.2 | 248.0 ± 24.3 | 2484.6 ± 155.2 |
| 1984-85 | 808.2 ± 119.9 | 129.6 ± 22.0 | 26.7 ± 4.0 | 151.3 ± 44.1 | 121.5 ± 20.6 | 33.9 ± 6.7 | 198.7 ± 27.4 | 1469.9 ± 134.3 |

^aDue to rounding of numbers, these totals may not exactly equal individual species totals.

Table D.5. Estimated landings of fishes (No. x 1000) \pm 1 SE caught by private-boat fishermen in Texas bays and passes during the high-use season weekends by species and bay system (1974-1984).

| Species | Bay system | | | | | | | | | | | | | | |
|----------------------------|-------------------|-----------------|-----------------|----------------|-----------------|-----------------|---------------|-------------------|----------------|--|--------------------|--|--------------------|--|------------------------|
| | Galveston | | Matagorda | | San Antonio | | Aransas | | Corpus Christi | | Upper Laguna Madre | | Lower Laguna Madre | | Coastwide ^a |
| Year | | | | | | | | | | | | | | | |
| Atlantic croaker | | | | | | | | | | | | | | | |
| 1974-75 | 199.9 \pm 87.0 | 13.9 \pm 8.5 | 2.6 \pm 1.1 | 2.9 \pm 2.0 | 3.7 \pm 2.3 | 27.7 \pm 11.3 | 8.0 \pm 5.3 | 258.7 \pm 62.0 | | | | | | | |
| 1976 | 265.2 \pm 97.2 | 10.5 \pm 7.2 | 0.3 \pm 0.3 | 3.2 \pm 2.5 | 6.9 \pm 2.4 | 16.1 \pm 4.7 | 5.1 \pm 1.3 | 307.3 \pm 97.7 | | | | | | | |
| 1977 | 434.3 \pm 159.1 | 11.4 \pm 5.9 | 0.5 \pm 0.3 | 2.1 \pm 0.8 | 7.5 \pm 3.8 | 16.1 \pm 9.5 | 5.2 \pm 0.9 | 447.1 \pm 159.5 | | | | | | | |
| 1978 | 238.3 \pm 63.9 | 12.5 \pm 6.4 | 1.4 \pm 1.0 | 0.6 \pm 0.3 | 8.4 \pm 2.3 | 33.9 \pm 20.3 | 4.3 \pm 1.7 | 299.4 \pm 67.4 | | | | | | | |
| 1979 | 231.9 \pm 88.9 | 4.2 \pm 2.2 | 1.3 \pm 0.9 | 1.3 \pm 0.8 | 3.9 \pm 1.6 | 6.4 \pm 3.3 | 2.0 \pm 0.6 | 251.0 \pm 89.1 | | | | | | | |
| 1980 | 108.5 \pm 33.6 | 13.4 \pm 6.1 | 0.4 \pm 0.2 | 0.7 \pm 0.4 | 13.0 \pm 7.0 | 15.1 \pm 5.1 | 1.4 \pm 0.7 | 152.6 \pm 35.2 | | | | | | | |
| 1981 | 95.6 \pm 42.0 | 4.0 \pm 1.9 | 0.3 \pm 0.3 | 0.1 \pm 0.1 | 26.3 \pm 21.4 | 18.6 \pm 8.0 | 1.8 \pm 0.6 | 146.7 \pm 47.9 | | | | | | | |
| 1982 | 81.6 \pm 21.0 | 3.5 \pm 1.7 | 0.9 \pm 0.3 | 3.5 \pm 3.1 | 4.3 \pm 1.1 | 21.3 \pm 13.4 | 3.5 \pm 0.2 | 118.5 \pm 25.2 | | | | | | | |
| 1983 | 74.1 \pm 24.1 | 6.3 \pm 3.1 | 0.8 \pm 0.5 | 11.5 \pm 5.0 | 17.5 \pm 11.1 | 21.1 \pm 5.1 | 2.4 \pm 0.6 | 133.7 \pm 27.7 | | | | | | | |
| 1984 | 117.0 \pm 34.0 | 2.2 \pm 0.9 | 0.3 \pm 0.2 | 1.8 \pm 1.0 | 0.8 \pm 0.4 | 1.3 \pm 0.5 | 1.4 \pm 0.7 | 124.7 \pm 34.1 | | | | | | | |
| Black drum | | | | | | | | | | | | | | | |
| 1974-75 | 12.1 \pm 7.0 | 5.4 \pm 3.8 | 1.3 \pm 0.5 | 0.4 \pm 0.3 | 4.6 \pm 3.5 | 1.0 \pm 0.4 | 3.4 \pm 3.4 | 28.2 \pm 5.9 | | | | | | | |
| 1976 | 27.7 \pm 9.7 | 3.0 \pm 1.4 | 14.3 \pm 10.3 | 2.3 \pm 0.9 | 1.7 \pm 0.6 | 6.2 \pm 4.2 | 1.2 \pm 0.4 | 56.4 \pm 14.9 | | | | | | | |
| 1977 | 41.8 \pm 10.9 | 9.5 \pm 4.0 | 1.0 \pm 0.4 | 1.2 \pm 0.5 | 1.2 \pm 0.5 | 1.1 \pm 0.6 | 1.4 \pm 0.5 | 57.3 \pm 11.7 | | | | | | | |
| 1978 | 20.8 \pm 6.7 | 8.4 \pm 3.4 | 1.4 \pm 1.3 | 0.4 \pm 0.3 | 0.8 \pm 0.3 | 0.8 \pm 0.3 | 1.0 \pm 0.4 | 33.5 \pm 7.7 | | | | | | | |
| 1979 | 32.9 \pm 9.9 | 2.9 \pm 1.4 | 0.6 \pm 0.5 | 9.6 \pm 5.8 | 1.0 \pm 0.5 | 0.5 \pm 0.5 | 0.1 \pm 0.1 | 47.8 \pm 11.6 | | | | | | | |
| 1980 | 14.3 \pm 5.2 | 23.2 \pm 12.9 | 0.7 \pm 0.4 | 0.1 \pm 0.1 | 3.1 \pm 1.8 | 2.9 \pm 1.1 | 3.7 \pm 2.3 | 48.0 \pm 14.2 | | | | | | | |
| 1981 | 4.3 \pm 1.2 | 11.3 \pm 3.6 | 0.6 \pm 0.3 | 1.1 \pm 0.3 | 1.4 \pm 0.6 | 0.7 \pm 0.2 | 0.9 \pm 0.7 | 20.3 \pm 3.9 | | | | | | | |
| 1982 | 33.1 \pm 9.8 | 6.9 \pm 2.4 | 0.4 \pm 0.1 | 0.8 \pm 0.4 | 4.9 \pm 1.9 | 5.0 \pm 1.9 | 0.7 \pm 0.2 | 51.7 \pm 10.4 | | | | | | | |
| 1983 | 5.3 \pm 2.0 | 8.6 \pm 2.7 | 2.1 \pm 1.1 | 6.5 \pm 2.3 | 2.9 \pm 1.1 | 1.1 \pm 0.3 | 0.7 \pm 0.2 | 27.2 \pm 4.4 | | | | | | | |
| 1984 | 11.5 \pm 3.2 | 1.6 \pm 1.0 | 0.2 \pm 0.1 | 0.1 \pm 0.1 | 1.2 \pm 0.5 | 0.1 \pm <.1 | 0.3 \pm 0.1 | 14.9 \pm 3.4 | | | | | | | |
| Gafftopsail catfish | | | | | | | | | | | | | | | |
| 1974-75 | 14.7 \pm 14.0 | 4.2 \pm 3.1 | 1.9 \pm 1.1 | 0.9 \pm 0.6 | 0.0 | 0.0 | 0.0 | 21.7 \pm 10.0 | | | | | | | |
| 1976 | 6.6 \pm 5.6 | 11.9 \pm 10.7 | 1.0 \pm 1.5 | 1.6 \pm 1.5 | 1.2 \pm 0.6 | 0.0 | 0.1 \pm <.1 | 22.2 \pm 12.2 | | | | | | | |
| 1977 | 2.3 \pm 1.3 | 13.6 \pm 8.8 | 2.6 \pm 1.2 | 0.2 \pm 0.1 | 0.6 \pm 0.4 | 0.0 | 0.0 | 19.3 \pm 9.0 | | | | | | | |
| 1978 | 3.5 \pm 1.6 | 13.6 \pm 6.9 | 1.5 \pm 0.5 | 1.0 \pm 0.5 | 2.2 \pm 1.1 | <.1 \pm <.1 | 0.2 \pm 0.2 | 22.1 \pm 7.2 | | | | | | | |
| 1979 | 3.1 \pm 1.9 | 1.4 \pm 0.7 | 0.3 \pm 0.1 | 0.1 \pm 0.1 | 0.9 \pm 0.6 | 0.1 \pm 0.1 | 0.0 | 5.9 \pm 2.2 | | | | | | | |
| 1980 | 4.6 \pm 4.0 | 0.4 \pm 0.3 | 0.1 \pm <.1 | 0.4 \pm 0.2 | 0.7 \pm 0.3 | <.1 \pm <.1 | 0.1 \pm 0.1 | 6.2 \pm 4.0 | | | | | | | |
| 1981 | 2.2 \pm 1.9 | 2.6 \pm 1.8 | 0.5 \pm 0.4 | 0.6 \pm 0.2 | 0.9 \pm 0.4 | 0.0 | <.1 \pm <.1 | 6.8 \pm 2.6 | | | | | | | |
| 1982 | 0.9 \pm 0.4 | 2.2 \pm 1.0 | 0.7 \pm 0.3 | 0.8 \pm 0.5 | 1.0 \pm 0.3 | <.1 \pm <.1 | 0.1 \pm <.1 | 5.8 \pm 1.3 | | | | | | | |
| 1983 | 0.9 \pm 0.7 | 3.8 \pm 2.1 | 0.5 \pm 0.3 | 1.0 \pm 0.4 | 2.6 \pm 1.3 | 0.1 \pm 0.1 | 0.0 | 9.0 \pm 2.6 | | | | | | | |
| 1984 | 0.8 \pm 0.3 | 1.5 \pm 0.5 | 1.0 \pm 0.6 | 0.8 \pm 0.5 | 0.2 \pm 0.2 | <.1 \pm <.1 | 0.0 | 4.3 \pm 1.0 | | | | | | | |

Table D.5. (Cont'd.)

| Species | Bay system | | | | | | | | | | | | Coastwide ^a | |
|----------------------|---------------|-------------|------------|-------------|-------------|------------|-------------|---------------|----------------|--|--------------------|--|------------------------|--------------------|
| | Galveston | | Matagorda | | San Antonio | | Aransas | | Corpus Christi | | Upper Laguna Madre | | | Lower Laguna Madre |
| Year | | | | | | | | | | | | | | |
| Red drum | | | | | | | | | | | | | | |
| 1974-75 | 21.6 ± 12.5 | 14.2 ± 6.7 | 20.2 ± 6.4 | 10.4 ± 3.8 | 7.2 ± 5.8 | 9.6 ± 3.5 | 13.0 ± 6.8 | 96.2 ± 11.1 | | | | | | |
| 1976 | 9.5 ± 4.8 | 6.3 ± 2.6 | 17.7 ± 4.8 | 9.5 ± 3.6 | 4.2 ± 1.5 | 2.5 ± 0.9 | 6.4 ± 2.3 | 56.1 ± 8.6 | | | | | | |
| 1977 | 29.3 ± 7.5 | 4.5 ± 1.5 | 4.0 ± 1.5 | 9.3 ± 3.5 | 1.9 ± 0.8 | 1.4 ± 0.5 | 5.6 ± 1.8 | 56.1 ± 8.8 | | | | | | |
| 1978 | 12.2 ± 2.9 | 10.5 ± 4.5 | 2.2 ± 1.0 | 1.1 ± 0.5 | 2.2 ± 0.8 | 1.4 ± 0.7 | 2.9 ± 1.1 | 32.6 ± 5.7 | | | | | | |
| 1979 | 8.9 ± 3.4 | 12.4 ± 6.2 | 5.4 ± 2.3 | 2.7 ± 1.8 | 2.0 ± 0.7 | 0.6 ± 0.2 | 1.4 ± 0.3 | 33.4 ± 7.7 | | | | | | |
| 1980 | 6.1 ± 2.5 | 18.7 ± 7.1 | 3.5 ± 0.6 | 3.9 ± 2.5 | 3.4 ± 1.2 | 14.5 ± 3.9 | 4.6 ± 1.1 | 54.7 ± 9.1 | | | | | | |
| 1981 | 11.6 ± 7.2 | 5.9 ± 1.6 | 2.8 ± 0.8 | 2.6 ± 0.8 | 2.8 ± 0.8 | 5.1 ± 1.6 | 1.7 ± 0.3 | 32.6 ± 7.7 | | | | | | |
| 1982 | 15.2 ± 5.3 | 6.2 ± 3.0 | 6.8 ± 1.1 | 5.1 ± 2.0 | 5.4 ± 2.1 | 5.9 ± 1.5 | 6.8 ± 0.9 | 51.4 ± 7.0 | | | | | | |
| 1983 | 6.8 ± 2.7 | 19.9 ± 4.9 | 12.4 ± 2.6 | 19.3 ± 4.9 | 8.8 ± 3.0 | 7.5 ± 1.1 | 11.1 ± 1.6 | 85.8 ± 8.6 | | | | | | |
| 1984 | 6.2 ± 1.3 | 1.1 ± 0.4 | 0.9 ± 0.3 | 7.3 ± 2.9 | 4.1 ± 1.4 | 0.7 ± 0.2 | 8.9 ± 2.2 | 29.1 ± 4.2 | | | | | | |
| Sand seatrout | | | | | | | | | | | | | | |
| 1974-75 | 393.7 ± 371.6 | 29.0 ± 25.8 | 1.0 ± 0.6 | 5.9 ± 5.6 | 41.5 ± 17.8 | 3.4 ± 1.5 | 17.1 ± 11.0 | 491.6 ± 262.5 | | | | | | |
| 1976 | 249.1 ± 148.2 | 12.5 ± 8.4 | 0.1 ± 0.1 | 24.7 ± 17.5 | 19.8 ± 6.3 | 9.6 ± 7.4 | 6.3 ± 2.9 | 322.2 ± 149.8 | | | | | | |
| 1977 | 129.7 ± 38.4 | 11.6 ± 3.5 | 0.9 ± 0.6 | 5.5 ± 3.0 | 19.4 ± 5.6 | 1.9 ± 1.1 | 21.3 ± 6.5 | 190.2 ± 39.6 | | | | | | |
| 1978 | 229.8 ± 131.3 | 10.8 ± 7.1 | <.1 ± <.1 | 1.3 ± 0.8 | 13.9 ± 4.6 | 0.9 ± 0.4 | 2.3 ± 0.9 | 259.0 ± 131.5 | | | | | | |
| 1979 | 119.2 ± 32.9 | 8.6 ± 4.1 | 2.0 ± 0.8 | 0.4 ± 0.2 | 13.4 ± 5.9 | 1.4 ± 0.6 | 0.9 ± 0.3 | 145.9 ± 33.7 | | | | | | |
| 1980 | 74.1 ± 28.4 | 2.5 ± 1.8 | 0.3 ± 0.2 | 8.4 ± 3.4 | 22.4 ± 12.5 | 2.4 ± 1.0 | 4.4 ± 2.1 | 114.6 ± 31.3 | | | | | | |
| 1981 | 30.5 ± 10.9 | 19.2 ± 16.3 | 1.6 ± 1.2 | 1.2 ± 0.5 | 25.6 ± 9.0 | 4.7 ± 2.5 | 10.6 ± 4.6 | 93.5 ± 22.3 | | | | | | |
| 1982 | 158.1 ± 39.4 | 9.8 ± 4.5 | 3.6 ± 1.7 | 5.8 ± 2.4 | 37.1 ± 15.5 | 3.8 ± 1.8 | 9.6 ± 3.1 | 227.9 ± 42.8 | | | | | | |
| 1983 | 51.9 ± 17.9 | 23.1 ± 11.6 | 2.3 ± 0.8 | 7.8 ± 3.0 | 45.8 ± 18.1 | 8.7 ± 3.3 | 6.3 ± 2.6 | 145.9 ± 28.5 | | | | | | |
| 1984 | 156.6 ± 49.4 | 11.4 ± 7.7 | 0.9 ± 0.3 | 15.8 ± 8.3 | 12.5 ± 5.7 | 5.2 ± 2.5 | 5.5 ± 1.9 | 207.9 ± 51.0 | | | | | | |
| Sheepshead | | | | | | | | | | | | | | |
| 1974-75 | 0.2 ± 0.2 | 8.2 ± 7.5 | 1.2 ± 0.7 | 1.6 ± 0.9 | 2.0 ± 1.1 | 1.1 ± 0.7 | 0.6 ± 0.4 | 14.9 ± 2.4 | | | | | | |
| 1976 | 8.8 ± 4.2 | 8.2 ± 5.9 | 1.0 ± 0.4 | 4.2 ± 2.8 | 1.9 ± 1.6 | 1.2 ± 0.5 | 2.8 ± 1.2 | 28.1 ± 8.1 | | | | | | |
| 1977 | 73.2 ± 44.9 | 8.4 ± 4.6 | 1.6 ± 0.6 | 2.4 ± 0.9 | 1.4 ± 0.8 | 0.8 ± 0.5 | 1.1 ± 0.6 | 88.8 ± 45.2 | | | | | | |
| 1978 | 13.6 ± 2.9 | 9.7 ± 5.0 | 0.3 ± 0.1 | 0.7 ± 0.3 | 2.3 ± 1.3 | 0.1 ± 0.1 | 1.1 ± 0.9 | 27.9 ± 6.0 | | | | | | |
| 1979 | 14.1 ± 6.8 | 3.0 ± 1.1 | 1.2 ± 0.6 | 2.4 ± 1.3 | 1.7 ± 0.9 | 0.3 ± 0.1 | 1.4 ± 0.4 | 24.2 ± 7.1 | | | | | | |
| 1980 | 7.9 ± 3.6 | 5.2 ± 2.9 | 0.5 ± 0.2 | 2.1 ± 1.6 | 0.5 ± 0.3 | 3.7 ± 2.8 | 2.4 ± 1.7 | 22.3 ± 5.9 | | | | | | |
| 1981 | 8.8 ± 2.7 | 6.4 ± 3.5 | 1.5 ± 0.7 | 3.7 ± 2.7 | 1.3 ± 0.4 | 0.4 ± 0.2 | 0.4 ± 0.1 | 22.5 ± 5.2 | | | | | | |
| 1982 | 18.3 ± 5.5 | 2.6 ± 1.0 | 0.5 ± 0.2 | 1.1 ± 0.5 | 2.2 ± 0.9 | 1.9 ± 0.5 | 1.1 ± 0.6 | 27.9 ± 5.8 | | | | | | |
| 1983 | 11.4 ± 4.1 | 3.1 ± 0.9 | 1.7 ± 0.6 | 1.7 ± 0.6 | 1.1 ± 0.4 | 1.2 ± 0.4 | 1.0 ± 0.4 | 21.1 ± 4.3 | | | | | | |
| 1984 | 13.5 ± 3.8 | 5.3 ± 2.8 | 0.6 ± 0.3 | 0.4 ± 0.2 | 0.1 ± 0.1 | <.1 ± <.1 | 0.9 ± 0.4 | 20.9 ± 4.8 | | | | | | |

Table D.5. (Cont'd.)

| Species | Bay system | | | | | | | | | | | | Coastwide ^a | | | |
|--------------------------|------------|-------|-----------|------|-------------|------|---------|------|----------------|------|--------------------|-------|------------------------|--------------------|---------|-------|
| | Galveston | | Matagorda | | San Antonio | | Aransas | | Corpus Christi | | Upper Laguna Madre | | | Lower Laguna Madre | | |
| Year | | | | | | | | | | | | | | | | |
| Southern flounder | | | | | | | | | | | | | | | | |
| 1974-75 | 18.8 ± | 18.4 | 14.4 ± | 8.8 | 6.1 ± | 2.0 | 16.5 ± | 10.7 | 0.6 ± | 0.3 | 22.6 ± | 21.1 | 2.6 ± | 1.1 | 81.6 ± | 21.3 |
| 1976 | 15.0 ± | 4.9 | 3.0 ± | 1.3 | 4.3 ± | 1.8 | 3.5 ± | 1.6 | 2.9 ± | 1.6 | 1.2 ± | 0.4 | 1.9 ± | 0.5 | 31.8 ± | 5.9 |
| 1977 | 17.7 ± | 5.6 | 6.9 ± | 2.6 | 3.9 ± | 1.2 | 5.6 ± | 2.3 | 1.7 ± | 0.8 | 1.6 ± | 0.7 | 3.8 ± | 1.5 | 41.1 ± | 6.9 |
| 1978 | 16.8 ± | 3.5 | 8.9 ± | 4.3 | 2.1 ± | 0.7 | 2.0 ± | 1.1 | 7.6 ± | 5.3 | 0.5 ± | 0.2 | 4.2 ± | 1.2 | 42.1 ± | 7.9 |
| 1979 | 15.0 ± | 3.9 | 9.1 ± | 4.7 | 1.3 ± | 0.3 | 1.4 ± | 0.8 | 4.7 ± | 3.7 | 2.3 ± | 1.3 | 4.5 ± | 1.3 | 38.4 ± | 7.4 |
| 1980 | 9.4 ± | 4.4 | 5.2 ± | 2.4 | 5.2 ± | 2.8 | 3.5 ± | 2.1 | 1.3 ± | 0.8 | 5.7 ± | 2.0 | 3.8 ± | 1.2 | 34.1 ± | 6.6 |
| 1981 | 9.7 ± | 3.6 | 1.9 ± | 0.7 | 1.3 ± | 0.4 | 2.9 ± | 1.7 | 2.0 ± | 0.5 | 3.8 ± | 1.2 | 3.0 ± | 0.5 | 24.5 ± | 4.3 |
| 1982 | 49.7 ± | 19.9 | 2.6 ± | 0.7 | 3.6 ± | 1.4 | 7.7 ± | 6.5 | 2.2 ± | 0.7 | 10.1 ± | 3.0 | 9.7 ± | 1.9 | 85.6 ± | 21.3 |
| 1983 | 34.3 ± | 14.6 | 14.8 ± | 3.6 | 2.3 ± | 0.7 | 13.5 ± | 10.0 | 6.7 ± | 4.2 | 4.2 ± | 0.8 | 4.9 ± | 1.7 | 80.6 ± | 18.6 |
| 1984 | 26.0 ± | 6.0 | 3.3 ± | 1.0 | 1.9 ± | 0.8 | 3.5 ± | 1.7 | 3.3 ± | 1.3 | 1.2 ± | 0.6 | 0.9 ± | 0.3 | 40.1 ± | 6.5 |
| Spotted seatrout | | | | | | | | | | | | | | | | |
| 1974-75 | 330.3 ± | 192.2 | 152.1 ± | 84.0 | 123.8 ± | 58.0 | 146.2 ± | 86.1 | 27.5 ± | 15.3 | 36.9 ± | 9.9 | 77.6 ± | 29.1 | 894.4 ± | 156.8 |
| 1976 | 38.4 ± | 19.7 | 11.3 ± | 3.6 | 52.4 ± | 15.5 | 83.6 ± | 24.1 | 33.7 ± | 14.0 | 189.5 ± | 154.8 | 78.0 ± | 16.0 | 486.8 ± | 161.4 |
| 1977 | 96.4 ± | 30.9 | 62.7 ± | 19.1 | 28.0 ± | 8.8 | 55.9 ± | 22.4 | 38.1 ± | 13.3 | 31.5 ± | 7.6 | 85.9 ± | 19.1 | 398.5 ± | 50.0 |
| 1978 | 107.6 ± | 33.0 | 40.7 ± | 14.0 | 12.6 ± | 2.5 | 41.1 ± | 16.7 | 29.0 ± | 9.6 | 18.5 ± | 3.9 | 67.7 ± | 21.5 | 317.1 ± | 46.3 |
| 1979 | 70.4 ± | 17.6 | 17.7 ± | 6.5 | 31.1 ± | 10.1 | 59.0 ± | 23.8 | 20.9 ± | 5.8 | 39.8 ± | 14.7 | 46.9 ± | 7.4 | 285.7 ± | 36.3 |
| 1980 | 33.8 ± | 11.2 | 30.1 ± | 8.9 | 28.8 ± | 13.4 | 28.1 ± | 8.4 | 18.5 ± | 6.0 | 119.1 ± | 19.1 | 56.7 ± | 11.7 | 315.1 ± | 31.6 |
| 1981 | 67.6 ± | 21.3 | 62.7 ± | 17.0 | 23.2 ± | 4.6 | 39.0 ± | 10.0 | 44.2 ± | 6.9 | 80.6 ± | 22.9 | 65.0 ± | 11.0 | 382.4 ± | 39.5 |
| 1982 | 115.8 ± | 51.8 | 23.7 ± | 6.6 | 29.3 ± | 7.6 | 27.8 ± | 8.2 | 36.6 ± | 10.7 | 95.1 ± | 15.2 | 88.6 ± | 10.9 | 417.0 ± | 57.6 |
| 1983 | 85.6 ± | 26.6 | 53.2 ± | 12.8 | 32.9 ± | 12.0 | 69.3 ± | 21.9 | 66.0 ± | 24.6 | 109.8 ± | 23.8 | 60.7 ± | 8.3 | 477.5 ± | 52.3 |
| 1984 | 29.9 ± | 8.3 | 5.8 ± | 1.7 | 2.4 ± | 0.6 | 2.0 ± | 0.8 | 3.4 ± | 1.7 | 1.0 ± | 0.3 | 20.3 ± | 5.8 | 64.9 ± | 10.4 |
| Other Species | | | | | | | | | | | | | | | | |
| 1974-75 | 11.1 ± | 5.2 | 0.5 ± | 0.5 | 3.6 ± | 1.7 | 2.4 ± | 0.9 | 4.5 ± | 1.4 | 1.4 ± | 0.7 | 1.8 ± | 0.8 | 25.3 ± | 4.0 |
| 1976 | 13.4 ± | 3.9 | 2.6 ± | 1.8 | 2.7 ± | 0.9 | 2.9 ± | 1.3 | 3.0 ± | 1.4 | 2.2 ± | 1.1 | 2.2 ± | 0.9 | 28.8 ± | 5.0 |
| 1977 | 9.1 ± | 3.0 | 9.4 ± | 4.9 | 1.8 ± | 0.5 | 1.5 ± | 0.5 | 1.2 ± | 0.4 | 3.0 ± | 2.3 | 1.5 ± | 0.5 | 27.5 ± | 6.3 |
| 1978 | 24.0 ± | 6.5 | 7.8 ± | 2.4 | 1.2 ± | 0.5 | 0.9 ± | 0.5 | 1.0 ± | 0.5 | 0.2 ± | 0.1 | 1.0 ± | 0.4 | 36.2 ± | 7.0 |
| 1979 | 45.7 ± | 14.3 | 4.0 ± | 1.6 | 0.8 ± | 0.3 | 1.0 ± | 0.6 | 3.6 ± | 1.6 | 0.7 ± | 0.5 | 0.8 ± | 0.3 | 56.5 ± | 14.5 |
| 1980 | 39.6 ± | 10.6 | 4.3 ± | 2.1 | 1.1 ± | 0.6 | 1.0 ± | 0.7 | 7.3 ± | 3.7 | 11.0 ± | 9.3 | 0.2 ± | 0.1 | 64.5 ± | 14.8 |
| 1981 | 20.1 ± | 6.9 | 4.0 ± | 1.9 | 1.1 ± | 0.5 | 1.1 ± | 0.4 | 5.4 ± | 0.7 | 3.3 ± | 1.2 | 2.3 ± | 0.7 | 37.3 ± | 7.4 |
| 1982 | 36.4 ± | 10.3 | 5.0 ± | 1.7 | 2.6 ± | 1.0 | 3.2 ± | 0.8 | 8.6 ± | 1.4 | 8.2 ± | 5.9 | 3.9 ± | 1.0 | 67.8 ± | 12.2 |
| 1983 | 9.0 | | 10.4 | | 6.3 | | 13.7 | | 14.9 | | 3.7 | | 3.5 | | 61.5 | |
| 1984 | 30.7 | | 2.9 | | 2.2 | | 3.9 | | 0.7 | | 1.1 | | 3.5 | | 45.1 | |

Table D.5. (Cont'd.)

| Species Year | Bay system | | | | | | | Coastwide ^a |
|-----------------------------------|----------------|---------------|--------------|--------------|----------------|--------------------|--------------------|------------------------|
| | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | |
| All species combined ^a | | | | | | | | |
| 1974-75 | 1002.5 ± 574.8 | 241.8 ± 117.1 | 161.8 ± 64.7 | 187.2 ± 93.9 | 91.6 ± 35.0 | 103.8 ± 29.3 | 124.2 ± 50.1 | 1912.9 ± 415.9 |
| 1976 | 633.7 ± 176.1 | 69.2 ± 23.4 | 93.8 ± 408.8 | 135.6 ± 39.8 | 75.1 ± 20.4 | 228.5 ± 156.9 | 103.9 ± 16.9 | 1339.8 ± 245.2 |
| 1977 | 833.8 ± 212.6 | 138.0 ± 41.6 | 44.4 ± 10.2 | 83.6 ± 25.8 | 73.0 ± 14.8 | 57.4 ± 15.1 | 125.8 ± 24.6 | 1356.0 ± 220.8 |
| 1978 | 666.6 ± 168.0 | 123.2 ± 34.2 | 22.9 ± 3.8 | 49.1 ± 17.1 | 67.4 ± 17.4 | 56.3 ± 19.7 | 84.6 ± 23.3 | 1070.0 ± 175.9 |
| 1979 | 541.3 ± 122.5 | 63.3 ± 16.9 | 44.1 ± 12.6 | 77.9 ± 26.7 | 52.0 ± 13.1 | 52.0 ± 16.5 | 58.1 ± 8.4 | 888.8 ± 129.1 |
| 1980 | 298.3 ± 66.2 | 103.1 ± 26.1 | 40.6 ± 14.3 | 48.4 ± 12.8 | 70.1 ± 23.9 | 174.4 ± 27.3 | 77.4 ± 15.0 | 812.1 ± 83.5 |
| 1981 | 250.6 ± 62.1 | 118.0 ± 30.2 | 32.8 ± 6.2 | 52.2 ± 10.7 | 110.0 ± 25.9 | 117.2 ± 26.4 | 85.7 ± 13.6 | 766.6 ± 80.5 |
| 1982 | 509.2 ± 88.7 | 62.4 ± 10.8 | 48.4 ± 8.1 | 55.9 ± 14.3 | 102.3 ± 20.4 | 151.4 ± 27.7 | 124.1 ± 14.4 | 1053.6 ± 98.2 |
| 1983 | 279.2 ± 64.0 | 143.1 ± 25.8 | 61.3 ± 18.7 | 144.2 ± 38.1 | 166.3 ± 44.6 | 157.5 ± 26.4 | 90.5 ± 11.3 | 1042.2 ± 96.8 |
| 1984 | 392.1 ± 84.5 | 35.2 ± 8.9 | 10.3 ± 1.8 | 35.5 ± 12.0 | 26.3 ± 6.8 | 10.8 ± 3.0 | 41.7 ± 8.9 | 552.0 ± 86.6 |

^aDue to rounding of numbers, these totals may not exactly equal individual species totals.

Table D.6. Estimated landings of fishes (No. x 1000) \pm 1 SE caught by private-boat fishermen in Texas bays and passes during the high-use season weekdays by species and bay system (1974-1984).

| Species | Bay system | | | | | | | | Coastwide ^a |
|----------------------------|-------------------|-----------------|---------------|-----------------|-------------------|--------------------|--------------------|-------------------|------------------------|
| | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | | |
| Atlantic croaker | | | | | | | | | |
| 1974-75 | 351.1 \pm 286.4 | 3.0 \pm 3.0 | 3.1 \pm 1.8 | 0.8 \pm 0.8 | 1.9 \pm 1.9 | 38.5 \pm 15.9 | 2.1 \pm 2.1 | 400.5 \pm 227.5 | |
| 1976 | 265.2 | 8.3 | 0.3 | 3.2 | 9.7 | 16.1 | 7.7 | 310.5 | |
| 1977 | 434.3 | 11.4 | 0.5 | 2.1 | 7.5 | 16.1 | 5.2 | 477.1 | |
| 1978 | 238.3 | 12.5 | 1.4 | 0.6 | 8.4 | 33.9 | 4.3 | 299.4 | |
| 1979 | 3.9 \pm 2.5 | 0.0 | 0.1 \pm 0.1 | 0.0 | 2.2 \pm 2.2 | 100.1 \pm 57.5 | 0.0 | 106.3 \pm 57.6 | |
| 1980 | 262.8 \pm 195.0 | 34.1 \pm 23.4 | 1.1 \pm 0.6 | 0.8 \pm 0.4 | 135.5 \pm 118.1 | 14.1 \pm 6.3 | 2.7 \pm 1.1 | 451.1 \pm 229.3 | |
| 1981 | 95.2 \pm 23.4 | 2.3 \pm 0.9 | 0.3 \pm 0.1 | 1.3 \pm 0.5 | 14.7 \pm 5.5 | 6.0 \pm 2.6 | 0.8 \pm 0.2 | 120.6 \pm 24.3 | |
| 1982 | 94.9 \pm 24.6 | 2.9 \pm 1.0 | 0.3 \pm 0.1 | 1.1 \pm 0.4 | 11.4 \pm 4.8 | 3.2 \pm 1.1 | 2.2 \pm 0.7 | 116.0 \pm 25.1 | |
| 1983 | 82.3 \pm 26.7 | 5.1 \pm 2.3 | 0.6 \pm 0.2 | 14.1 \pm 4.2 | 20.8 \pm 7.3 | 5.5 \pm 1.3 | 2.1 \pm 0.5 | 130.5 \pm 28.2 | |
| 1984 | 84.2 \pm 23.4 | 3.4 \pm 1.4 | <.1 \pm <.1 | 2.7 \pm 1.5 | 6.3 \pm 2.6 | 0.7 \pm 0.5 | 0.8 \pm 0.3 | 98.2 \pm 23.6 | |
| Black drum | | | | | | | | | |
| 1974-75 | 0.0 | 11.2 \pm 11.2 | 0.5 \pm 0.4 | 15.6 \pm 14.7 | 5.6 \pm 3.5 | 3.7 \pm 2.7 | 13.6 \pm 12.2 | 50.2 \pm 12.3 | |
| 1976 | 38.1 | 5.9 | 19.6 | 3.2 | 2.6 | 8.5 | 2.3 | 80.3 | |
| 1977 | 57.4 | 13.1 | 1.4 | 1.6 | 1.6 | 1.5 | 1.9 | 78.7 | |
| 1978 | 28.6 | 11.5 | 1.9 | 0.5 | 1.1 | 1.1 | 13.7 | 58.4 | |
| 1979 | 0.6 \pm 0.6 | 4.1 \pm 4.1 | 0.1 \pm 0.1 | 0.0 | 0.0 | 0.0 | 1.4 \pm 1.0 | 6.2 \pm 4.3 | |
| 1980 | 24.2 \pm 9.5 | 7.9 \pm 3.4 | 0.4 \pm 0.1 | 1.5 \pm 0.8 | 3.3 \pm 1.8 | 3.2 \pm 2.2 | 1.6 \pm 1.2 | 42.1 \pm 10.6 | |
| 1981 | 32.3 \pm 9.9 | 8.5 \pm 2.7 | 4.1 \pm 3.6 | 6.1 \pm 2.6 | 4.8 \pm 2.6 | 0.2 \pm 0.1 | 0.4 \pm 0.1 | 56.4 \pm 11.5 | |
| 1982 | 28.9 \pm 9.9 | 9.9 \pm 3.2 | 0.3 \pm 0.1 | 3.8 \pm 2.2 | 2.5 \pm 1.4 | 1.4 \pm 0.4 | 2.0 \pm 0.8 | 48.7 \pm 10.8 | |
| 1983 | 13.7 \pm 3.2 | 8.6 \pm 3.3 | 0.6 \pm 0.2 | 1.9 \pm 0.8 | 2.1 \pm 0.7 | 0.6 \pm 0.2 | 0.8 \pm 0.4 | 28.4 \pm 4.7 | |
| 1984 | 9.2 \pm 2.9 | 5.9 \pm 2.3 | 0.1 \pm 0.1 | 0.3 \pm 0.2 | 0.8 \pm 0.3 | 0.1 \pm <.1 | 0.8 \pm 0.3 | 17.1 \pm 3.7 | |
| Gafftopsail catfish | | | | | | | | | |
| 1974-75 | 26.6 \pm 26.6 | 0.0 | 0.8 \pm 0.6 | 6.3 \pm 6.3 | 0.0 | 0.0 | 0.0 | 33.7 \pm 21.7 | |
| 1976 | 6.7 | 21.1 | 1.0 | 1.6 | 2.1 | 0.0 | <.1 | 32.6 | |
| 1977 | 2.4 | 13.9 | 2.7 | 0.2 | 0.6 | 0.0 | 0.0 | 19.7 | |
| 1978 | 3.6 | 13.9 | 1.5 | 1.0 | 2.2 | <.1 | 0.2 | 22.6 | |
| 1979 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 1980 | 0.7 \pm 0.7 | 0.0 | 0.2 \pm 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 \pm 0.8 | |
| 1981 | 2.0 \pm 1.0 | 2.3 \pm 1.5 | 0.5 \pm 0.2 | 0.4 \pm 0.3 | 1.1 \pm 0.7 | 0.1 \pm 0.1 | <.1 \pm <.1 | 6.4 \pm 2.0 | |
| 1982 | 4.1 \pm 2.4 | 1.0 \pm 0.6 | 0.6 \pm 0.4 | 0.9 \pm 0.3 | 1.6 \pm 0.6 | <.1 \pm <.1 | 0.1 \pm <.1 | 8.2 \pm 2.6 | |
| 1983 | 1.3 \pm 1.0 | 0.7 \pm 0.5 | 0.6 \pm 0.4 | 0.8 \pm 0.5 | 3.8 \pm 2.7 | <.1 \pm <.1 | 0.1 \pm 0.1 | 7.4 \pm 2.9 | |
| 1984 | 0.9 \pm 0.6 | 1.9 \pm 0.9 | 1.0 \pm 0.6 | 0.7 \pm 0.3 | 0.2 \pm 0.1 | 0.2 \pm 0.2 | <.1 \pm <.1 | 5.0 \pm 1.3 | |

Table D.6. (Cont'd.)

| Species | Bay system | | | | | | | | Coastwide ^a |
|----------------------|---------------|-------------|-------------|------------|----------------|-------------|--------------------|--------------------|------------------------|
| | Galveston | | San Antonio | | Corpus Christi | | Upper Laguna Madre | Lower Laguna Madre | |
| | Year | Matagorda | Antonio | Aransas | Christi | Madre | Madre | | |
| Red drum | | | | | | | | | |
| 1974-75 | 66.9 ± 65.9 | 7.5 ± 7.5 | 5.7 ± 2.0 | 3.1 ± 3.1 | 3.7 ± 3.7 | 2.0 ± 1.7 | 27.6 ± 16.1 | 116.5 ± 52.5 | |
| 1976 | 11.5 | 5.6 | 10.6 | 5.7 | 6.3 | 3.0 | 9.7 | 52.4 | |
| 1977 | 35.5 | 2.7 | 2.4 | 5.6 | 2.3 | 1.7 | 6.8 | 57.0 | |
| 1978 | 14.8 | 6.3 | 1.3 | 0.7 | 2.7 | 1.7 | 3.5 | 31.0 | |
| 1979 | 28.3 ± 19.0 | 0.0 | 5.1 ± 3.3 | 0.0 | 0.0 | 1.9 ± 1.9 | 20.3 ± 11.9 | 55.6 ± 22.8 | |
| 1980 | 57.1 ± 24.7 | 8.5 ± 3.8 | 4.2 ± 1.1 | 3.8 ± 1.1 | 7.7 ± 3.5 | 6.1 ± 1.2 | 5.2 ± 2.4 | 92.6 ± 10.6 | |
| 1981 | 14.7 ± 4.7 | 8.3 ± 2.9 | 5.2 ± 2.3 | 4.0 ± 1.1 | 5.0 ± 1.3 | 7.4 ± 3.0 | 2.1 ± 0.6 | 46.7 ± 6.9 | |
| 1982 | 9.8 ± 2.6 | 6.4 ± 1.4 | 5.0 ± 0.8 | 11.9 ± 4.3 | 2.4 ± 0.8 | 6.0 ± 1.1 | 6.7 ± 1.1 | 48.3 ± 5.6 | |
| 1983 | 13.0 ± 4.1 | 16.5 ± 5.3 | 11.1 ± 2.1 | 10.9 ± 2.8 | 8.0 ± 2.5 | 5.2 ± 1.0 | 11.9 ± 2.5 | 76.7 ± 8.4 | |
| 1984 | 5.2 ± 1.4 | 2.4 ± 0.7 | 0.8 ± 0.3 | 5.6 ± 2.4 | 4.8 ± 1.5 | 1.7 ± 0.6 | 6.3 ± 1.4 | 26.9 ± 3.6 | |
| Sand seatrout | | | | | | | | | |
| 1974-75 | 55.7 ± 29.0 | 37.3 ± 37.3 | 2.7 ± 2.4 | 0.8 ± 0.8 | 34.0 ± 19.1 | 45.9 ± 44.2 | 0.0 | 176.4 ± 42.8 | |
| 1976 | 338.0 | 18.2 | 0.1 | 33.5 | 40.8 | 13.0 | 13.1 | 456.7 | |
| 1977 | 176.0 | 15.7 | 1.2 | 7.5 | 26.3 | 2.6 | 28.9 | 258.1 | |
| 1978 | 311.8 | 14.7 | <.1 | 1.8 | 18.9 | 1.2 | 3.1 | 351.4 | |
| 1979 | 168.9 ± 166.9 | 0.0 | 1.9 ± 1.9 | 0.0 | 65.4 ± 52.7 | 19.9 ± 15.4 | 9.9 ± 9.2 | 266.1 ± 175.9 | |
| 1980 | 260.1 ± 195.0 | 23.9 ± 13.4 | 0.6 ± 0.4 | 0.7 ± 0.3 | 411.2 ± 376.7 | 4.1 ± 2.3 | 3.5 ± 1.5 | 704.0 ± 388.8 | |
| 1981 | 119.1 ± 38.6 | 21.0 ± 8.1 | 0.4 ± 0.2 | 4.8 ± 2.8 | 21.4 ± 9.0 | 8.4 ± 6.5 | 5.3 ± 1.3 | 180.4 ± 41.1 | |
| 1982 | 120.3 ± 36.8 | 11.6 ± 4.6 | 1.7 ± 0.6 | 10.0 ± 3.3 | 37.8 ± 10.5 | 4.2 ± 2.3 | 3.3 ± 1.1 | 189.1 ± 38.8 | |
| 1983 | 80.2 ± 56.8 | 10.8 ± 4.4 | 1.3 ± 0.5 | 19.8 ± 8.8 | 49.4 ± 16.3 | 3.4 ± 0.9 | 2.6 ± 0.8 | 167.5 ± 59.9 | |
| 1984 | 132.7 ± 64.2 | 1.3 ± 0.5 | 1.1 ± 0.8 | 7.9 ± 3.3 | 11.3 ± 4.9 | 0.7 ± 0.5 | 6.2 ± 2.3 | 161.2 ± 64.5 | |
| Sheepshead | | | | | | | | | |
| 1974-75 | 9.2 ± 6.1 | 4.5 ± 4.5 | 0.7 ± 0.3 | 0.0 | 0.7 ± 0.7 | 3.3 ± 3.3 | 0.0 | 18.4 ± 5.5 | |
| 1976 | 12.0 | 12.1 | 1.4 | 5.7 | 2.7 | 1.6 | 4.8 | 40.1 | |
| 1977 | 99.6 | 11.4 | 2.2 | 3.3 | 1.9 | 1.1 | 1.5 | 120.8 | |
| 1978 | 18.5 | 13.2 | 0.4 | 1.0 | 3.1 | 0.1 | 1.5 | 37.9 | |
| 1979 | 19.5 ± 19.5 | 4.1 ± 4.1 | 2.3 ± 1.9 | 0.0 | 0.0 | 0.0 | 15.5 ± 10.9 | 41.5 ± 22.8 | |
| 1980 | 20.3 ± 8.8 | 1.8 ± 0.9 | 0.5 ± 0.2 | 2.0 ± 1.3 | 16.1 ± 8.0 | 1.0 ± 0.4 | 3.8 ± 3.4 | 45.6 ± 12.5 | |
| 1981 | 25.6 ± 9.5 | 7.2 ± 2.9 | 1.2 ± 0.3 | 7.3 ± 3.1 | 3.9 ± 1.1 | 0.7 ± 0.3 | 0.3 ± 0.1 | 46.2 ± 10.5 | |
| 1982 | 21.0 ± 5.6 | 10.4 ± 8.4 | 0.7 ± 0.2 | 1.9 ± 1.0 | 1.8 ± 0.8 | 1.2 ± 0.4 | 2.6 ± 1.4 | 39.6 ± 10.3 | |
| 1983 | 14.2 ± 4.4 | 2.8 ± 1.1 | 1.2 ± 0.5 | 2.3 ± 0.7 | 2.2 ± 0.8 | 0.8 ± 0.2 | 1.6 ± 0.7 | 25.0 ± 4.7 | |
| 1984 | 13.5 ± 6.6 | 6.3 ± 4.5 | 0.3 ± 0.1 | 0.4 ± 0.2 | 1.6 ± 1.0 | <.1 ± <.1 | 1.2 ± 0.4 | 23.4 ± 8.1 | |

Table D.6. (Cont'd.)

| Species | Bay system | | | | | | | Coastwide ^a |
|--------------------------|---------------|-------------|-------------|---------------|----------------|--------------------|--------------------|------------------------|
| | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | |
| Southern flounder | | | | | | | | |
| 1974-75 | 25.5 ± 16.8 | 1.5 ± 1.5 | 2.3 ± 1.6 | 1.1 ± 1.1 | 0.0 | 9.7 ± 5.6 | 0.0 | 40.1 ± 14.1 |
| 1976 | 14.8 | 3.9 | 4.3 | 3.5 | 3.3 | 1.2 | 2.9 | 33.9 |
| 1977 | 17.5 | 6.8 | 3.9 | 5.5 | 1.7 | 1.6 | 3.8 | 40.8 |
| 1978 | 16.6 | 8.8 | 2.1 | 2.0 | 7.5 | 0.5 | 4.2 | 41.7 |
| 1979 | 232.1 ± 209.8 | 0.0 | 5.6 ± 2.7 | 0.0 | 0.0 | 11.5 ± 4.2 | 6.2 ± 4.9 | 255.4 ± 209.9 |
| 1980 | 40.7 ± 13.7 | 8.4 ± 6.7 | 2.2 ± 1.1 | 3.7 ± 3.0 | 59.8 ± 35.9 | 1.9 ± 0.7 | 2.9 ± 2.1 | 119.7 ± 39.2 |
| 1981 | 14.2 ± 4.0 | 11.2 ± 8.3 | 1.5 ± 0.7 | 5.0 ± 2.1 | 18.4 ± 10.0 | 3.8 ± 1.7 | 4.1 ± 1.7 | 58.3 ± 14.0 |
| 1982 | 37.4 ± 10.2 | 4.9 ± 2.1 | 1.4 ± 0.3 | 5.8 ± 1.9 | 3.2 ± 0.9 | 3.8 ± 1.1 | 11.9 ± 2.9 | 68.5 ± 11.1 |
| 1983 | 29.4 ± 10.2 | 6.2 ± 1.7 | 1.1 ± 0.4 | 4.9 ± 1.7 | 13.1 ± 6.3 | 3.4 ± 0.8 | 5.3 ± 1.2 | 63.4 ± 12.3 |
| 1984 | 19.7 ± 4.4 | 8.4 ± 2.4 | 0.4 ± 0.1 | 4.7 ± 1.9 | 13.0 ± 4.3 | 0.9 ± 0.4 | 0.7 ± 0.2 | 47.9 ± 6.8 |
| Spotted seatrout | | | | | | | | |
| 1974-75 | 178.9 ± 74.0 | 59.7 ± 59.7 | 44.3 ± 16.4 | 480.0 ± 324.6 | 16.7 ± 16.7 | 114.6 ± 53.7 | 91.3 ± 44.8 | 985.5 ± 268.2 |
| 1976 | 88.5 | 13.0 | 44.8 | 192.8 | 93.6 | 161.9 | 172.3 | 766.9 |
| 1977 | 222.3 | 53.6 | 23.9 | 128.9 | 87.9 | 26.9 | 119.8 | 663.3 |
| 1978 | 248.1 | 34.8 | 10.8 | 94.8 | 66.9 | 15.8 | 94.5 | 565.7 |
| 1979 | 19.5 ± 19.5 | 12.3 ± 12.3 | 79.9 ± 52.7 | 16.9 ± 16.9 | 11.0 ± 10.6 | 25.3 ± 21.0 | 77.8 ± 46.7 | 242.8 ± 79.6 |
| 1980 | 706.4 ± 348.7 | 42.0 ± 15.7 | 20.4 ± 5.0 | 39.8 ± 13.7 | 65.7 ± 19.1 | 49.5 ± 10.9 | 53.4 ± 21.4 | 977.2 ± 350.7 |
| 1981 | 246.4 ± 71.5 | 69.8 ± 19.9 | 28.4 ± 4.7 | 75.5 ± 23.5 | 55.0 ± 14.3 | 64.1 ± 10.1 | 45.8 ± 7.0 | 585.0 ± 80.2 |
| 1982 | 119.8 ± 30.0 | 51.2 ± 10.6 | 27.8 ± 6.1 | 60.7 ± 14.4 | 39.4 ± 10.4 | 70.1 ± 10.7 | 106.0 ± 12.7 | 475.0 ± 40.5 |
| 1983 | 105.2 ± 28.6 | 68.0 ± 19.3 | 42.7 ± 13.0 | 48.9 ± 13.6 | 68.6 ± 18.8 | 76.1 ± 12.5 | 83.1 ± 14.1 | 492.6 ± 47.5 |
| 1984 | 49.1 ± 8.7 | 6.1 ± 1.7 | 0.8 ± 0.2 | 6.3 ± 2.2 | 8.2 ± 4.0 | 2.6 ± 2.1 | 28.7 ± 4.9 | 101.8 ± 11.3 |
| Other species | | | | | | | | |
| 1974-75 | 6.3 ± 5.3 | 5.2 ± 5.2 | 1.8 ± 1.0 | 3.2 ± 1.7 | 6.2 ± 4.5 | 8.1 ± 6.4 | 19.8 ± 18.8 | 50.6 ± 7.9 |
| 1976 | 19.2 | 1.4 | 1.3 | 1.4 | 4.6 | 1.0 | 5.3 | 34.2 |
| 1977 | 13.1 | 4.5 | 0.9 | 0.7 | 1.7 | 1.4 | 2.2 | 24.5 |
| 1978 | 34.4 | 3.7 | 0.6 | 0.4 | 1.4 | 0.1 | 1.4 | 42.0 |
| 1979 | 21.2 ± 21.2 | 0.0 | 1.7 ± 1.6 | 0.0 | 10.9 ± 10.9 | 49.3 ± 46.5 | 4.8 ± 4.1 | 87.9 ± 52.5 |
| 1980 | 32.4 ± 12.8 | 6.7 ± 5.5 | 0.7 ± 0.3 | 0.2 ± 0.1 | 52.7 ± 37.7 | 2.1 ± 1.0 | 0.3 ± 0.2 | 95.1 ± 40.3 |
| 1981 | 26.7 ± 10.8 | 4.6 ± 1.8 | 1.4 ± 1.0 | 2.7 ± 1.2 | 7.7 ± 2.5 | 1.3 ± 0.5 | 0.5 ± 0.1 | 44.7 ± 11.3 |
| 1982 | 35.9 ± 9.5 | 3.4 ± 0.8 | 1.1 ± 0.3 | 5.5 ± 2.3 | 10.0 ± 3.1 | 1.5 ± 0.4 | 1.8 ± 0.5 | 59.1 ± 10.3 |
| 1983 | 20.8 | 3.3 | 2.7 | 18.4 | 9.5 | 1.7 | 2.4 | 58.8 |
| 1984 | 12.1 | 3.0 | 0.9 | 3.8 | 4.4 | 0.1 | 2.2 | 26.5 |

Table D.6. (Cont'd.)

| Species Year | Bay system | | | | | | | Coastwide ^a |
|-----------------------------------|-----------------|---------------|-------------|---------------|----------------|--------------------|--------------------|------------------------|
| | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | |
| All species combined ^a | | | | | | | | |
| 1974-75 | 720.1 ± 395.0 | 129.9 ± 129.9 | 61.8 ± 19.8 | 510.9 ± 327.0 | 68.6 ± 37.8 | 225.8 ± 91.5 | 154.3 ± 32.0 | 1871.4 ± 414.4 |
| 1976 | 794.0 | 89.5 | 83.0 | 250.6 | 165.7 | 206.3 | 218.1 | 1807.2 |
| 1977 | 1058.1 | 133.1 | 39.1 | 155.4 | 131.5 | 52.9 | 170.1 | 1740.2 |
| 1978 | 914.7 | 119.4 | 20.0 | 102.8 | 112.2 | 54.4 | 126.4 | 1449.9 |
| 1979 | 494.1 ± 431.5 | 20.6 ± 20.6 | 96.9 ± 51.1 | 16.9 ± 16.9 | 89.4 ± 64.8 | 208.0 ± 102.0 | 135.9 ± 77.0 | 1061.8 ± 458.3 |
| 1980 | 1,404.8 ± 487.8 | 133.3 ± 58.9 | 30.4 ± 6.5 | 52.4 ± 15.2 | 752.1 ± 584.1 | 82.1 ± 17.5 | 73.2 ± 27.1 | 2528.3 ± 764.1 |
| 1981 | 576.3 ± 130.9 | 135.2 ± 34.8 | 42.9 ± 7.8 | 107.1 ± 27.7 | 131.9 ± 30.6 | 92.0 ± 13.9 | 59.4 ± 8.8 | 1144.7 ± 142.8 |
| 1982 | 472.2 ± 85.5 | 101.9 ± 20.8 | 39.0 ± 7.2 | 101.6 ± 20.7 | 110.0 ± 21.3 | 91.5 ± 12.8 | 136.6 ± 15.8 | 1052.7 ± 95.4 |
| 1983 | 360.2 ± 77.0 | 122.0 ± 24.4 | 61.9 ± 14.7 | 121.9 ± 23.2 | 177.4 ± 38.3 | 96.9 ± 14.0 | 110.0 ± 17.1 | 1050.4 ± 96.1 |
| 1984 | 326.7 ± 77.6 | 38.8 ± 9.2 | 5.5 ± 1.5 | 32.6 ± 8.0 | 50.5 ± 12.4 | 7.0 ± 2.9 | 47.0 ± 6.7 | 507.9 ± 79.9 |

^aDue to rounding of numbers, these totals may not exactly equal individual species totals.

Table D.7. Estimated landings of fishes (No. x 1000) \pm 1 SE caught by private-boat fishermen in Texas bays and passes during the low-use season weekends by species and bay system (1974-1985).

| Species | Bay system | | | | | | | | | Coastwide ^a |
|----------------------------|------------------|---------------|---------------|-----------------|----------------|--------------------|--------------------|------------------|--|------------------------|
| | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | | | |
| Year | | | | | | | | | | |
| Atlantic croaker | | | | | | | | | | |
| 1974-76 | 113.5 \pm 68.9 | 2.9 \pm 2.9 | 0.2 \pm 0.1 | 0.1 \pm 0.1 | 5.4 \pm 4.4 | 2.0 \pm 1.0 | 0.9 \pm 0.7 | 125.0 \pm 44.3 | | |
| 1976-77 | 2.8 \pm 2.7 | 2.8 \pm 2.8 | 0.3 \pm 0.3 | 0.0 | 0.9 \pm 0.6 | 0.8 \pm 0.6 | 1.0 \pm 0.5 | 8.7 \pm 4.0 | | |
| 1977-78 | 3.3 \pm 1.8 | 0.7 \pm 0.5 | <.1 \pm <.1 | 0.0 | 0.6 \pm 0.5 | 1.3 \pm 0.7 | 0.4 \pm 0.2 | 6.3 \pm 2.1 | | |
| 1978-79 | 2.6 \pm 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | <.1 \pm <.1 | 0.2 \pm 0.1 | 2.8 \pm 1.5 | | |
| 1979-80 | 12.5 \pm 12.5 | 2.6 \pm 1.4 | 0.5 \pm 0.4 | <.1 \pm <.1 | 5.0 \pm 3.6 | 0.4 \pm 0.2 | 0.3 \pm 0.2 | 21.1 \pm 13.1 | | |
| 1980-81 | 0.3 \pm 0.3 | 0.3 \pm 0.3 | 0.0 | 0.0 | 0.4 \pm 0.3 | 1.1 \pm 0.5 | 0.5 \pm 0.3 | 2.7 \pm 0.8 | | |
| 1981-82 | 0.5 \pm 0.4 | 0.3 \pm 0.3 | 0.0 | 0.0 | 0.3 \pm 0.2 | 3.8 \pm 2.3 | 0.4 \pm 0.2 | 5.3 \pm 2.4 | | |
| 1982-83 | 1.3 \pm 1.0 | 0.9 \pm 0.8 | <.1 \pm <.1 | 0.0 | 0.1 \pm 0.1 | 0.1 \pm 0.1 | 1.1 \pm 0.6 | 3.6 \pm 1.4 | | |
| 1983-84 | 1.3 \pm 1.1 | 0.0 | 0.0 | 13.1 \pm 13.1 | 0.0 | 0.0 | 0.0 | 14.4 \pm 13.1 | | |
| 1984-85 | 5.8 \pm 4.6 | 1.5 \pm 1.1 | 0.0 | 0.0 | 1.0 \pm 0.8 | 0.6 \pm 0.5 | 1.7 \pm 1.3 | 10.6 \pm 5.0 | | |
| Black drum | | | | | | | | | | |
| 1974-76 | 19.9 \pm 7.8 | 3.8 \pm 3.0 | 0.4 \pm 0.1 | 1.0 \pm 0.4 | 0.9 \pm 0.6 | 7.8 \pm 5.6 | 1.8 \pm 0.7 | 35.6 \pm 6.3 | | |
| 1976-77 | 0.5 \pm 0.3 | 2.3 \pm 1.1 | 1.3 \pm 0.9 | 0.7 \pm 0.3 | 0.6 \pm 0.3 | 0.7 \pm 0.4 | 2.5 \pm 0.9 | 8.5 \pm 1.8 | | |
| 1977-78 | 5.3 \pm 2.0 | 1.5 \pm 1.0 | 2.4 \pm 1.2 | 1.0 \pm 0.6 | 1.2 \pm 0.9 | 2.4 \pm 0.9 | 4.0 \pm 1.3 | 17.8 \pm 3.2 | | |
| 1978-79 | 19.1 \pm 13.4 | 0.2 \pm 0.2 | 1.0 \pm 0.3 | 0.4 \pm 0.3 | 0.4 \pm 0.3 | 1.8 \pm 0.6 | 1.4 \pm 0.9 | 24.2 \pm 13.7 | | |
| 1979-80 | 0.7 \pm 0.5 | 5.2 \pm 4.4 | 0.8 \pm 0.5 | 0.0 | 2.6 \pm 1.3 | 0.9 \pm 0.7 | 2.8 \pm 1.5 | 13.1 \pm 4.9 | | |
| 1980-81 | 31.5 \pm 24.9 | 5.9 \pm 5.9 | 1.3 \pm 0.7 | 0.1 \pm 0.1 | 1.2 \pm 1.0 | 0.5 \pm 0.3 | 0.6 \pm 0.3 | 41.2 \pm 25.6 | | |
| 1981-82 | 1.2 \pm 0.8 | 2.9 \pm 1.5 | 1.4 \pm 1.0 | 1.8 \pm 1.0 | 0.5 \pm 0.3 | 5.5 \pm 3.4 | 1.5 \pm 0.7 | 14.9 \pm 4.1 | | |
| 1982-83 | 2.9 \pm 2.9 | 0.6 \pm 0.6 | 0.6 \pm 0.3 | 0.3 \pm 0.2 | 2.5 \pm 1.5 | 1.0 \pm 0.6 | 2.6 \pm 0.9 | 10.5 \pm 3.4 | | |
| 1983-84 | 7.3 \pm 4.5 | 3.2 \pm 2.1 | 0.5 \pm 0.4 | 0.5 \pm 0.5 | 0.8 \pm 0.8 | 0.2 \pm 0.2 | 2.5 \pm 1.6 | 15.0 \pm 5.3 | | |
| 1984-85 | 0.6 \pm 0.6 | 2.5 \pm 1.4 | 1.0 \pm 0.6 | 0.0 | 1.9 \pm 1.4 | 0.1 \pm 0.1 | 0.7 \pm 0.4 | 6.8 \pm 2.2 | | |
| Gafftopsail catfish | | | | | | | | | | |
| 1974-76 | 1.0 \pm 0.7 | 4.0 \pm 3.0 | 1.5 \pm 0.8 | 0.0 | 3.3 \pm 3.0 | 0.0 | 0.0 | 9.8 \pm 1.7 | | |
| 1976-77 | 1.7 \pm 1.3 | 0.5 \pm 0.5 | 1.7 \pm 1.4 | 0.2 \pm 0.2 | 1.1 \pm 0.8 | 0.0 | 0.0 | 5.2 \pm 2.1 | | |
| 1977-78 | 1.0 \pm 0.6 | 1.9 \pm 1.6 | 0.4 \pm 0.3 | 0.7 \pm 0.5 | 0.1 \pm 0.1 | 0.0 | 0.0 | 4.1 \pm 1.8 | | |
| 1978-79 | 9.5 \pm 6.7 | 0.2 \pm 0.2 | 0.3 \pm 0.2 | 1.5 \pm 1.2 | 1.0 \pm 0.8 | 0.0 | 0.0 | 12.5 \pm 6.9 | | |
| 1979-80 | 0.0 | 0.0 | 0.5 \pm 0.3 | <.1 \pm <.1 | 0.7 \pm 0.7 | 0.0 | 0.0 | 1.3 \pm 0.7 | | |
| 1980-81 | 0.0 | 0.5 \pm 0.5 | 0.3 \pm 0.2 | 0.2 \pm 0.2 | 0.5 \pm 0.5 | 0.0 | 0.0 | 1.4 \pm 0.7 | | |
| 1981-82 | 0.0 | 0.2 \pm 0.2 | 0.0 | 0.4 \pm 0.3 | 0.0 | 0.2 \pm 0.2 | 0.0 | 0.7 \pm 0.3 | | |
| 1982-83 | 0.0 | 0.0 | 0.6 \pm 0.5 | 0.1 \pm 0.1 | 2.5 \pm 1.7 | 0.0 | 0.0 | 3.2 \pm 1.8 | | |
| 1983-84 | 1.1 \pm 1.1 | <.1 \pm <.1 | 0.6 \pm 0.6 | 0.0 | 0.1 \pm 0.1 | 0.0 | 0.0 | 1.8 \pm 1.2 | | |
| 1984-85 | 0.0 | 0.9 \pm 0.6 | 0.2 \pm 0.2 | 0.0 | 0.1 \pm 0.1 | 0.0 | 0.0 | 1.2 \pm 0.7 | | |

Table D.7. (Cont'd.)

| Species | Bay system | | | | | | | | | | | | Coastwide ^a | | |
|----------------------|-------------|------------|------------|------------|-------------|-----------|------------|-------------|----------------|--|--------------------|--|------------------------|--------------------|--|
| | Galveston | | Matagorda | | San Antonio | | Aransas | | Corpus Christi | | Upper Laguna Madre | | | Lower Laguna Madre | |
| | Year | | | | | | | | | | | | | | |
| Red drum | | | | | | | | | | | | | | | |
| 1974-76 | 13.2 ± 10.4 | 15.3 ± 8.1 | 6.6 ± 2.8 | 2.0 ± 1.2 | 1.9 ± 1.3 | 7.5 ± 2.5 | 5.7 ± 2.8 | 52.2 ± 7.8 | | | | | | | |
| 1976-77 | 0.8 ± 0.6 | 1.9 ± 1.0 | 0.9 ± 0.4 | 1.5 ± 0.6 | 0.2 ± 0.1 | 1.6 ± 0.9 | 2.0 ± 0.9 | 8.9 ± 1.9 | | | | | | | |
| 1977-78 | 2.0 ± 1.0 | 2.7 ± 1.3 | 6.7 ± 1.9 | 5.0 ± 2.3 | 0.3 ± 0.1 | 0.7 ± 0.3 | 2.8 ± 1.1 | 20.0 ± 3.6 | | | | | | | |
| 1978-79 | 0.9 ± 0.6 | 3.9 ± 2.7 | 13.6 ± 6.2 | 1.6 ± 0.9 | 0.3 ± 0.2 | 0.2 ± 0.1 | 0.9 ± 0.3 | 21.4 ± 6.9 | | | | | | | |
| 1979-80 | 0.8 ± 0.7 | 6.9 ± 4.5 | 5.8 ± 4.4 | 2.7 ± 1.9 | 4.8 ± 2.9 | 6.5 ± 2.7 | 5.9 ± 2.7 | 33.3 ± 8.1 | | | | | | | |
| 1980-81 | 5.3 ± 3.4 | 1.6 ± 0.9 | 4.7 ± 2.6 | 0.7 ± 0.4 | 1.4 ± 0.8 | 3.2 ± 1.8 | 1.4 ± 0.9 | 18.3 ± 4.9 | | | | | | | |
| 1981-82 | 0.8 ± 0.5 | 6.0 ± 5.4 | 6.4 ± 3.8 | 4.9 ± 2.9 | 0.6 ± 0.3 | 3.3 ± 1.0 | 2.0 ± 1.1 | 23.9 ± 7.9 | | | | | | | |
| 1982-83 | 0.8 ± 0.6 | 1.5 ± 1.0 | 1.2 ± 0.5 | 5.3 ± 4.9 | 0.2 ± 0.2 | 1.5 ± 0.7 | 2.2 ± 0.6 | 12.8 ± 5.1 | | | | | | | |
| 1983-84 | 2.1 ± 0.9 | 5.0 ± 3.5 | 5.7 ± 4.1 | 1.2 ± 1.2 | 0.1 ± 0.1 | 0.1 ± 0.1 | 3.1 ± 1.3 | 17.4 ± 5.8 | | | | | | | |
| 1984-85 | 0.7 ± 0.6 | 3.9 ± 2.3 | 3.8 ± 2.8 | 1.9 ± 1.1 | 2.9 ± 1.3 | 0.9 ± 0.5 | 2.7 ± 0.8 | 16.9 ± 4.2 | | | | | | | |
| Sand seatrout | | | | | | | | | | | | | | | |
| 1974-76 | 57.5 ± 40.0 | 0.3 ± 0.3 | 0.6 ± 0.6 | 0.7 ± 0.6 | 7.9 ± 3.8 | 2.3 ± 1.4 | 2.4 ± 1.8 | 71.7 ± 25.7 | | | | | | | |
| 1976-77 | 1.0 ± 0.7 | <.1 ± <.1 | 0.0 | 0.0 | 17.3 ± 11.5 | 0.0 | 0.4 ± 0.4 | 18.8 ± 11.6 | | | | | | | |
| 1977-78 | 13.4 ± 12.1 | 2.4 ± 2.4 | 0.4 ± 0.3 | 0.5 ± 0.4 | 1.6 ± 1.3 | 0.5 ± 0.5 | 1.5 ± 1.3 | 20.3 ± 12.5 | | | | | | | |
| 1978-79 | 57.6 ± 57.0 | 0.0 | 0.0 | 3.0 ± 2.1 | 1.0 ± 0.7 | 0.9 ± 0.9 | 0.5 ± 0.4 | 63.1 ± 57.1 | | | | | | | |
| 1979-80 | 15.5 ± 9.0 | 0.1 ± 0.1 | 0.0 | <.1 ± <.1 | 2.8 ± 1.8 | 1.2 ± 0.8 | 1.3 ± 0.6 | 20.9 ± 9.2 | | | | | | | |
| 1980-81 | 0.3 ± 0.3 | 0.0 | 0.0 | 0.0 | 10.5 ± 7.2 | 0.1 ± 0.1 | 0.6 ± 0.6 | 11.4 ± 7.2 | | | | | | | |
| 1981-82 | 0.0 | 1.3 ± 1.3 | <.1 ± <.1 | 4.5 ± 4.5 | 4.1 ± 2.5 | 0.1 ± 0.1 | 1.4 ± 1.1 | 11.4 ± 5.4 | | | | | | | |
| 1982-83 | 0.0 | 0.0 | <.1 ± <.1 | 1.1 ± 1.1 | 5.9 ± 2.9 | 0.2 ± 0.1 | 0.1 ± 0.1 | 7.3 ± 3.1 | | | | | | | |
| 1983-84 | 32.2 ± 32.2 | <.1 ± <.1 | <.1 ± <.1 | 1.2 ± 1.2 | 0.0 | 0.0 | <.1 ± <.1 | 33.6 ± 32.2 | | | | | | | |
| 1984-85 | 0.4 ± 0.4 | 1.1 ± 1.1 | 0.6 ± 0.6 | 0.0 | 0.0 | 1.0 ± 1.0 | 12.8 ± 9.3 | 15.9 ± 9.4 | | | | | | | |
| Sheepshead | | | | | | | | | | | | | | | |
| 1974-76 | 4.9 ± 2.7 | 2.6 ± 1.6 | 1.1 ± 0.5 | 7.4 ± 7.1 | 2.6 ± 1.8 | 1.9 ± 0.8 | 1.4 ± 0.6 | 21.9 ± 5.0 | | | | | | | |
| 1976-77 | 1.1 ± 0.7 | 0.7 ± 0.5 | <.1 ± <.1 | 1.1 ± 0.5 | 0.9 ± 0.5 | 0.5 ± 0.4 | 1.0 ± 0.6 | 5.3 ± 1.5 | | | | | | | |
| 1977-78 | 5.0 ± 2.3 | 2.1 ± 1.5 | 1.6 ± 1.2 | 3.0 ± 1.4 | 0.3 ± 0.3 | 1.3 ± 0.7 | 4.3 ± 2.4 | 17.7 ± 4.2 | | | | | | | |
| 1978-79 | 3.3 ± 2.3 | 3.4 ± 2.0 | 0.6 ± 0.3 | 1.6 ± 1.0 | 1.1 ± 0.6 | 1.3 ± 0.4 | 5.3 ± 3.9 | 16.7 ± 5.0 | | | | | | | |
| 1979-80 | 0.6 ± 0.6 | 2.8 ± 1.4 | 0.1 ± 0.1 | 0.0 | 3.5 ± 2.0 | 0.4 ± 0.1 | 12.5 ± 9.1 | 19.9 ± 9.4 | | | | | | | |
| 1980-81 | 2.5 ± 1.7 | 8.2 ± 7.6 | 0.5 ± 0.3 | 0.1 ± 0.1 | 17.2 ± 15.3 | 1.6 ± 0.6 | 2.6 ± 1.6 | 32.5 ± 17.3 | | | | | | | |
| 1981-82 | 0.8 ± 0.4 | 11.2 ± 8.7 | 1.9 ± 1.7 | 10.3 ± 8.9 | 0.7 ± 0.6 | 2.0 ± 0.9 | 0.9 ± 0.3 | 27.8 ± 12.6 | | | | | | | |
| 1982-83 | 3.8 ± 3.6 | 0.3 ± 0.3 | 1.0 ± 0.5 | 0.7 ± 0.5 | 23.5 ± 21.1 | 1.7 ± 0.8 | 1.8 ± 0.6 | 32.9 ± 21.5 | | | | | | | |
| 1983-84 | 2.0 ± 1.2 | 8.0 ± 7.1 | 0.4 ± 0.3 | 0.4 ± 0.4 | 0.1 ± 0.1 | 0.0 | 1.0 ± 0.9 | 11.7 ± 7.3 | | | | | | | |
| 1984-85 | 0.2 ± 0.2 | 2.1 ± 1.1 | 0.6 ± 0.4 | 1.7 ± 1.0 | 0.4 ± 0.4 | 0.1 ± 0.1 | 10.3 ± 5.7 | 15.4 ± 5.9 | | | | | | | |

Table D.7. (Cont'd.)

| Species | Bay system | | | | | | | | | | | | | | |
|--------------------------|-------------|-------------|-------------|-------------|-------------|--------------|-------------|--------------|----------------|--|--------------------|--|--------------------|--|------------------------|
| | Galveston | | Matagorda | | San Antonio | | Aransas | | Corpus Christi | | Upper Laguna Madre | | Lower Laguna Madre | | Coastwide ^a |
| | Year | | | | | | | | | | | | | | |
| Southern flounder | | | | | | | | | | | | | | | |
| 1974-76 | 6.6 ± 4.0 | 8.5 ± 7.2 | 1.3 ± 0.3 | 1.3 ± 0.7 | 1.2 ± 0.5 | 14.6 ± 5.6 | 1.1 ± 0.5 | 34.6 ± 5.2 | | | | | | | |
| 1976-77 | 0.9 ± 0.5 | 6.1 ± 5.5 | 0.5 ± 0.3 | 0.6 ± 0.4 | 0.4 ± 0.4 | <.1 ± <.1 | <.1 ± <.1 | 8.6 ± 5.6 | | | | | | | |
| 1977-78 | 3.4 ± 1.3 | 2.8 ± 1.7 | 0.8 ± 0.4 | 0.6 ± 0.3 | 0.4 ± 0.2 | 0.7 ± 0.2 | 1.4 ± 0.7 | 10.2 ± 2.3 | | | | | | | |
| 1978-79 | 2.5 ± 1.6 | 3.9 ± 3.6 | 0.1 ± <.1 | 1.9 ± 1.6 | 0.8 ± 0.6 | 1.0 ± 0.4 | 0.8 ± 0.5 | 11.0 ± 4.3 | | | | | | | |
| 1979-80 | 1.7 ± 0.9 | 2.0 ± 1.2 | 0.9 ± 0.8 | 0.4 ± 0.3 | 2.0 ± 1.0 | 1.2 ± 0.5 | 2.4 ± 0.6 | 10.7 ± 2.1 | | | | | | | |
| 1980-81 | 4.2 ± 4.0 | 1.0 ± 0.9 | 0.1 ± <.1 | 3.3 ± 3.0 | 0.4 ± 0.3 | 1.9 ± 1.1 | 1.1 ± 0.6 | 11.9 ± 5.2 | | | | | | | |
| 1981-82 | 6.8 ± 5.5 | 0.8 ± 0.4 | 0.1 ± <.1 | 0.8 ± 0.5 | 0.8 ± 0.2 | 2.7 ± 1.3 | 1.4 ± 0.7 | 13.3 ± 5.8 | | | | | | | |
| 1982-83 | 9.5 ± 9.5 | 0.7 ± 0.4 | <.1 ± <.1 | 0.8 ± 0.5 | 1.0 ± 0.5 | 1.5 ± 0.5 | 2.7 ± 1.0 | 16.4 ± 9.6 | | | | | | | |
| 1983-84 | 0.7 ± 0.4 | 0.5 ± 0.4 | 0.3 ± 0.2 | 0.1 ± 0.1 | <.1 ± <.1 | 0.0 | 0.1 ± 0.1 | 1.7 ± 0.6 | | | | | | | |
| 1984-85 | 11.2 ± 11.0 | 2.4 ± 1.1 | 0.1 ± 0.1 | 1.7 ± 1.4 | 2.3 ± 1.7 | 1.8 ± 0.8 | 2.5 ± 1.1 | 22.0 ± 11.4 | | | | | | | |
| Spotted seatrout | | | | | | | | | | | | | | | |
| 1974-76 | 17.0 ± 11.8 | 23.5 ± 14.2 | 60.4 ± 30.8 | 34.3 ± 17.8 | 15.1 ± 6.0 | 110.0 ± 45.7 | 40.6 ± 14.1 | 300.9 ± 38.7 | | | | | | | |
| 1976-77 | 12.1 ± 8.0 | 4.3 ± 2.9 | 0.9 ± 0.5 | 9.2 ± 5.5 | 2.7 ± 1.7 | 10.7 ± 5.3 | 76.7 ± 50.0 | 116.6 ± 51.3 | | | | | | | |
| 1977-78 | 2.3 ± 1.3 | 8.8 ± 5.4 | 4.9 ± 2.3 | 6.3 ± 2.9 | 4.1 ± 2.0 | 18.3 ± 6.7 | 15.9 ± 6.2 | 60.6 ± 11.5 | | | | | | | |
| 1978-79 | 4.2 ± 2.6 | 15.2 ± 15.0 | 1.1 ± 0.4 | 8.3 ± 2.7 | 2.7 ± 1.8 | 11.1 ± 4.7 | 8.3 ± 3.6 | 50.9 ± 16.8 | | | | | | | |
| 1979-80 | 20.3 ± 19.7 | 10.5 ± 7.4 | 3.4 ± 1.8 | 10.0 ± 6.8 | 11.8 ± 5.0 | 44.8 ± 13.1 | 36.0 ± 11.5 | 136.8 ± 28.7 | | | | | | | |
| 1980-81 | 5.6 ± 2.9 | 3.5 ± 2.6 | 7.8 ± 3.3 | 8.7 ± 5.4 | 9.8 ± 4.2 | 61.5 ± 32.6 | 11.2 ± 8.1 | 108.0 ± 34.7 | | | | | | | |
| 1981-82 | 10.4 ± 6.0 | 15.3 ± 12.0 | 7.1 ± 5.6 | 13.9 ± 11.8 | 11.6 ± 6.0 | 37.8 ± 16.2 | 18.6 ± 6.9 | 114.7 ± 26.4 | | | | | | | |
| 1982-83 | 1.1 ± 0.9 | 1.9 ± 1.6 | 1.5 ± 0.9 | 4.3 ± 2.6 | 9.9 ± 5.3 | 21.7 ± 8.7 | 22.3 ± 5.7 | 62.9 ± 12.2 | | | | | | | |
| 1983-84 | 13.4 ± 11.3 | 34.5 ± 31.2 | 5.9 ± 4.0 | 0.5 ± 0.5 | 0.1 ± 0.1 | 3.2 ± 3.2 | 5.1 ± 2.8 | 62.6 ± 33.7 | | | | | | | |
| 1984-85 | 5.1 ± 4.7 | 18.6 ± 14.0 | 0.8 ± 0.4 | 2.7 ± 1.5 | 20.2 ± 10.9 | 4.6 ± 2.5 | 23.7 ± 7.8 | 75.7 ± 20.2 | | | | | | | |
| Other species | | | | | | | | | | | | | | | |
| 1974-76 | 64.3 ± 49.0 | 0.7 ± 0.6 | 0.5 ± 0.3 | 1.0 ± 0.9 | 3.3 ± 2.6 | 0.0 | 2.6 ± 2.1 | 72.4 ± 31.6 | | | | | | | |
| 1976-77 | 0.1 ± 0.1 | 1.3 ± 0.7 | 1.0 ± 0.8 | 0.1 ± 0.1 | 0.7 ± 0.3 | 0.0 | 6.6 ± 4.7 | 9.7 ± 4.8 | | | | | | | |
| 1977-78 | 20.2 ± 19.3 | 0.9 ± 0.5 | 1.3 ± 0.5 | 0.9 ± 0.6 | 0.7 ± 0.5 | 0.0 | 1.0 ± 0.6 | 25.0 ± 19.3 | | | | | | | |
| 1978-79 | 6.8 ± 3.5 | <.1 ± <.1 | 0.2 ± 0.1 | 1.1 ± 0.7 | 4.1 ± 2.6 | 0.0 | 0.1 ± <.1 | 12.3 ± 4.4 | | | | | | | |
| 1979-80 | 4.0 ± 4.0 | 2.8 ± 2.3 | 0.4 ± 0.2 | 0.0 | 2.0 ± 0.8 | 0.5 ± 0.3 | 0.6 ± 0.3 | 10.3 ± 4.7 | | | | | | | |
| 1980-81 | 8.0 ± 5.3 | 0.4 ± 0.3 | 0.9 ± 0.7 | 1.2 ± 1.2 | 2.9 ± 1.5 | 1.6 ± 1.3 | 1.7 ± 1.1 | 16.7 ± 6.0 | | | | | | | |
| 1981-82 | 32.9 ± 24.0 | 0.3 ± 0.2 | 0.1 ± <.1 | 3.0 ± 2.0 | 1.3 ± 0.7 | 0.9 ± 0.4 | 0.2 ± 0.1 | 38.6 ± 24.1 | | | | | | | |
| 1982-83 | 3.1 ± 2.1 | 0.0 | 0.4 ± 0.2 | 0.4 ± 0.3 | 16.9 ± 10.7 | 0.1 ± 0.1 | 1.2 ± 0.6 | 22.1 ± 11.0 | | | | | | | |
| 1983-84 | 11.8 | 4.1 ± 3.3 | 0.8 ± 0.6 | 7.2 ± 7.2 | 0.2 | 1.7 | 0.2 | 26.0 | | | | | | | |
| 1984-85 | 0.6 ± 0.6 | 7.9 | 0.3 | 0.6 ± 0.4 | 1.1 | 0.8 | 14.9 | 26.2 | | | | | | | |

Table D.7. (Cont'd.)

| Species Year | Bay system | | | | | | | | Coastwide ^a |
|-----------------------------------|---------------|-------------|----------------|-------------|-------------------|--------------------------|--------------------------|--------------|------------------------|
| | Galveston | Matagorda | San Antonio | Arenas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | | |
| All species combined ^a | | | | | | | | | |
| 1974-76 | 297.9 ± 114.2 | 61.7 ± 35.7 | 72.5 ± 31.5 | 47.9 ± 21.0 | 41.7 ± 12.6 | 146.0 ± 55.1 | 56.4 ± 18.0 | 724.1 ± 86.4 | |
| 1976-77 | 21.0 ± 13.3 | 19.9 ± 13.0 | 6.5 ± 3.2 | 13.5 ± 6.0 | 24.7 ± 12.3 | 14.3 ± 6.0 | 90.4 ± 56.5 | 190.3 ± 61.4 | |
| 1977-78 | 55.9 ± 25.9 | 23.9 ± 12.1 | 18.5 ± 3.9 | 18.0 ± 6.0 | 9.3 ± 3.2 | 25.2 ± 8.1 | 31.3 ± 9.5 | 182.0 ± 32.1 | |
| 1978-79 | 106.6 ± 69.3 | 26.9 ± 17.3 | 16.8 ± 6.6 | 19.4 ± 6.8 | 11.4 ± 4.0 | 16.4 ± 5.3 | 17.3 ± 5.5 | 214.9 ± 72.5 | |
| 1979-80 | 56.0 ± 28.0 | 32.8 ± 12.8 | 12.5 ± 6.4 | 13.2 ± 7.1 | 35.1 ± 12.7 | 55.9 ± 15.9 | 61.8 ± 18.2 | 267.4 ± 42.3 | |
| 1980-81 | 57.7 ± 32.8 | 21.3 ± 16.3 | 15.6 ± 4.5 | 14.3 ± 15.9 | 44.3 ± 15.9 | 71.4 ± 37.1 | 19.6 ± 9.9 | 244.2 ± 55.9 | |
| 1981-82 | 53.3 ± 33.0 | 38.1 ± 16.6 | 17.1 ± 9.1 | 39.4 ± 14.8 | 20.0 ± 7.4 | 56.3 ± 17.8 | 26.4 ± 8.7 | 250.5 ± 46.0 | |
| 1982-83 | 22.5 ± 12.0 | 6.1 ± 2.9 | 5.5 ± 1.7 | 13.0 ± 7.3 | 62.6 ± 30.1 | 29.0 ± 11.0 | 32.9 ± 6.2 | 171.5 ± 35.7 | |
| 1983-84 | 71.8 ± 36.8 | 55.4 ± 33.6 | 14.3 ± 8.8 | 24.2 ± 21.6 | 1.2 ± 0.8 | 5.2 ± 3.5 | 12.0 ± 5.4 | 184.1 ± 55.5 | |
| 1984-85 | 24.6 ± 13.9 | 40.8 ± 16.9 | 7.5 ± 2.9 | 8.5 ± 3.6 | 29.9 ± 11.9 | 10.0 ± 4.2 | 69.4 ± 20.4 | 190.7 ± 32.8 | |

^aDue to rounding of numbers, these totals may not exactly equal individual species totals.

Table D.8. Estimated landings of fishes (No. X 1000) \pm 1 SE caught by private-boat fishermen in Texas bays and passes during the low-use season weekdays by species and bay system (1974-1985).

| Species | Bay system | | | | | | | | Coastwide ^a |
|----------------------------|-----------------|---------------|---------------|---------------|-----------------|--------------------|--------------------|--|------------------------|
| | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | | |
| Atlantic croaker | | | | | | | | | |
| 1974-76 | 34.6 \pm 33.5 | 0.0 | 0.1 \pm 0.1 | 0.0 | 1.5 \pm 1.5 | 84.2 \pm 84.2 | 0.9 \pm 0.9 | | 121.3 \pm 57.1 |
| 1976-77 | 2.8 | 2.8 | 0.3 | 0.0 | 0.9 | 0.8 | 1.0 | | 8.7 |
| 1977-78 | 3.3 | 0.7 | <.1 | 0.0 | 0.6 | 1.3 | 0.4 | | 6.3 |
| 1978-79 | 2.6 | 0.0 | 0.0 | 0.0 | 0.0 | <.1 | 0.2 | | 2.8 |
| 1979-80 | 2.2 \pm 2.2 | 1.5 \pm 1.5 | 0.1 \pm 0.1 | 0.2 \pm 0.2 | 0.8 \pm 0.7 | 0.0 | 0.0 | | 4.8 \pm 2.8 |
| 1980-81 | 0.6 \pm 0.3 | 0.5 \pm 0.5 | 0.0 | 0.0 | 0.1 \pm 0.1 | 0.4 \pm 0.4 | 2.7 \pm 2.7 | | 4.4 \pm 2.8 |
| 1981-82 | 1.4 \pm 0.9 | 0.0 | 0.0 | 0.0 | 0.6 \pm 0.3 | 0.8 \pm 0.5 | 0.1 \pm 0.1 | | 3.0 \pm 1.1 |
| 1982-83 | 1.7 \pm 1.2 | 0.5 \pm 0.4 | 0.0 | 2.3 \pm 2.2 | 4.4 \pm 2.6 | 1.0 \pm 0.6 | 1.2 \pm 0.6 | | 11.2 \pm 3.8 |
| 1983-84 | 1.6 \pm 1.6 | 0.0 | 0.0 | 0.0 | 0.0 | <.1 \pm <.1 | <.1 \pm <.1 | | 1.6 \pm 1.6 |
| 1984-85 | 7.1 \pm 6.2 | 0.0 | 0.0 | 0.3 \pm 0.3 | 0.0 | 0.0 | 0.1 \pm 0.2 | | 7.5 \pm 6.2 |
| Black drum | | | | | | | | | |
| 1974-76 | 3.1 \pm 2.5 | 0.0 | 0.8 \pm 0.6 | 1.3 \pm 0.8 | 2.9 \pm 2.0 | 0.0 | 6.3 \pm 4.7 | | 14.4 \pm 2.5 |
| 1976-77 | 0.7 | 3.2 | 1.8 | 1.0 | 0.8 | 1.0 | 3.4 | | 11.9 |
| 1977-78 | 7.3 | 2.1 | 3.3 | 1.4 | 1.6 | 3.3 | 5.5 | | 24.5 |
| 1978-79 | 26.4 | 0.3 | 1.4 | 0.5 | 0.5 | 2.5 | 1.9 | | 33.5 |
| 1979-80 | 2.9 \pm 1.9 | 1.1 \pm 0.9 | 0.5 \pm 0.3 | 0.2 \pm 0.2 | 0.0 | 5.7 \pm 5.7 | 0.0 | | 10.4 \pm 6.0 |
| 1980-81 | 17.0 \pm 16.3 | 7.7 \pm 5.3 | 0.1 \pm 0.1 | 0.0 | 0.6 \pm 0.3 | 0.4 \pm 0.3 | 0.5 \pm 0.3 | | 26.3 \pm 17.1 |
| 1981-82 | 22.1 \pm 18.1 | 2.2 \pm 1.5 | 2.8 \pm 2.3 | 6.6 \pm 4.1 | 1.9 \pm 1.3 | 2.8 \pm 1.4 | 2.6 \pm 1.4 | | 41.0 \pm 18.5 |
| 1982-83 | 40.8 \pm 34.7 | 7.2 \pm 4.0 | 2.9 \pm 1.2 | 3.4 \pm 2.0 | 1.7 \pm 0.5 | 1.6 \pm 0.5 | 2.7 \pm 1.3 | | 60.4 \pm 35.0 |
| 1983-84 | 0.5 \pm 0.4 | 1.9 \pm 1.4 | 0.2 \pm 0.2 | 2.5 \pm 2.0 | 2.2 \pm 1.5 | 1.0 \pm 0.9 | 2.2 \pm 1.3 | | 10.6 \pm 3.3 |
| 1984-85 | 2.8 \pm 2.3 | 3.8 \pm 2.1 | 0.3 \pm 0.3 | 5.5 \pm 5.4 | 0.1 \pm 0.1 | 0.4 \pm 0.4 | 3.3 \pm 2.4 | | 16.3 \pm 6.7 |
| Gafftopsail catfish | | | | | | | | | |
| 1974-76 | 0.6 \pm 0.6 | 9.3 \pm 9.3 | <.1 \pm <.1 | 5.6 \pm 5.6 | 0.0 | 0.0 | 0.0 | | 15.5 \pm 4.9 |
| 1976-77 | 2.6 | 0.8 | 2.6 | 0.3 | 1.7 | 0.0 | 0.0 | | 8.0 |
| 1977-78 | 1.5 | 2.9 | 0.6 | 1.1 | 0.1 | 0.0 | 0.0 | | 6.2 |
| 1978-79 | 14.4 | 0.3 | 0.5 | 2.3 | 1.5 | 0.0 | 0.0 | | 19.0 |
| 1979-80 | 0.0 | 0.0 | 0.3 \pm 0.3 | 0.0 | 2.5 \pm 2.5 | 0.2 \pm 0.2 | 0.0 | | 3.0 \pm 2.5 |
| 1980-81 | 9.2 \pm 7.6 | 0.6 \pm 0.6 | 0.0 | 0.0 | 0.7 \pm 0.7 | 0.0 | 0.0 | | 10.5 \pm 7.7 |
| 1981-82 | 0.0 | 1.9 \pm 1.9 | 0.0 | 1.8 \pm 1.8 | 14.5 \pm 14.1 | 0.1 \pm 0.1 | 0.0 | | 18.3 \pm 14.3 |
| 1982-83 | 0.1 \pm 0.1 | 0.6 \pm 0.5 | 1.2 \pm 0.7 | 0.0 | 1.8 \pm 1.2 | 0.0 | 0.0 | | 3.7 \pm 1.5 |
| 1983-84 | 0.0 | 0.4 \pm 0.4 | 0.0 | 0.5 \pm 0.2 | 0.0 | 0.0 | 0.0 | | 0.9 \pm 0.5 |
| 1984-85 | 0.6 \pm 0.6 | 0.0 | 0.0 | 0.3 \pm 0.3 | 0.2 \pm 0.2 | 0.0 | 0.1 \pm 0.1 | | 1.2 \pm 0.7 |

Table D.8. (Cont'd.)

| Species | Bay system | | | | | | | | Coastwide ^a |
|----------------------|---------------|-----------|-------------|-------------|----------------|--------------------|--------------------|---------------|------------------------|
| | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | | |
| Red drum | | | | | | | | | |
| 1974-76 | 18.3 ± 7.7 | 0.9 ± 0.9 | 6.3 ± 2.4 | 7.7 ± 4.2 | 4.2 ± 3.0 | 1.3 ± 1.0 | 4.0 ± 2.1 | 42.7 ± 5.9 | |
| 1976-77 | 1.0 | 1.1 | 0.5 | 0.9 | 0.2 | 1.9 | 2.4 | 8.0 | |
| 1977-78 | 2.4 | 1.6 | 4.0 | 3.0 | 0.4 | 0.8 | 3.4 | 15.6 | |
| 1978-79 | 1.1 | 2.3 | 8.2 | 1.0 | 0.4 | 0.2 | 1.1 | 14.3 | |
| 1979-80 | 3.1 ± 3.1 | 0.9 ± 0.9 | 3.6 ± 1.9 | 4.4 ± 4.2 | 1.2 ± 0.8 | 4.3 ± 2.3 | 2.2 ± 2.2 | 19.7 ± 6.5 | |
| 1980-81 | 1.5 ± 1.0 | 1.1 ± 0.8 | <.1 ± <.1 | 0.0 | 2.0 ± 1.7 | 1.9 ± 1.0 | 0.6 ± 0.3 | 7.1 ± 2.4 | |
| 1981-82 | 7.1 ± 4.5 | 0.4 ± 0.2 | 1.7 ± 0.8 | 2.5 ± 1.4 | 1.2 ± 0.5 | 1.6 ± 0.7 | 2.6 ± 1.4 | 17.1 ± 5.1 | |
| 1982-83 | 1.3 ± 1.3 | 0.5 ± 0.3 | 1.5 ± 0.5 | 3.1 ± 1.5 | 0.5 ± 0.2 | 0.8 ± 0.3 | 5.9 ± 2.4 | 13.6 ± 3.2 | |
| 1983-84 | 3.4 ± 1.9 | 5.3 ± 3.9 | 0.6 ± 0.5 | 2.8 ± 2.0 | 3.4 ± 2.4 | 0.4 ± 0.3 | 2.8 ± 1.8 | 18.7 ± 5.7 | |
| 1984-85 | 8.6 ± 4.8 | 1.8 ± 1.4 | 2.1 ± 0.8 | 2.4 ± 1.3 | 3.4 ± 3.3 | 0.4 ± 0.4 | 4.5 ± 2.8 | 23.2 ± 6.8 | |
| Sand seatrout | | | | | | | | | |
| 1974-76 | 215.7 ± 208.4 | 1.9 ± 1.9 | 3.4 ± 3.4 | 8.5 ± 8.2 | 6.7 ± 3.8 | 1.3 ± 1.3 | 0.0 | 237.5 ± 131.2 | |
| 1976-77 | 1.4 | <.1 | 0.0 | 0.0 | 23.5 | 0.0 | 0.5 | 25.4 | |
| 1977-78 | 18.2 | 3.3 | 0.5 | 0.7 | 2.2 | 0.7 | 2.0 | 27.6 | |
| 1978-79 | 78.2 | 0.0 | 0.0 | 4.1 | 1.4 | 1.2 | 0.7 | 85.6 | |
| 1979-80 | 3.5 ± 2.3 | 0.0 | 0.0 | 0.0 | 3.9 ± 3.9 | 0.2 ± 0.1 | 0.0 | 7.7 ± 4.5 | |
| 1980-81 | 4.6 ± 2.6 | 0.0 | 0.0 | 0.0 | 3.8 ± 3.1 | 0.0 | 0.4 ± 0.4 | 8.8 ± 4.1 | |
| 1981-82 | 3.5 ± 2.7 | 1.5 ± 1.5 | <.1 ± <.1 | 1.1 ± 1.0 | 10.7 ± 7.0 | 0.6 ± 0.4 | 2.7 ± 1.5 | 20.1 ± 7.9 | |
| 1982-83 | 0.7 ± 0.7 | <.1 ± <.1 | 1.3 ± 0.7 | 4.7 ± 4.2 | 37.7 ± 16.2 | 0.2 ± 0.1 | 2.3 ± 1.4 | 46.9 ± 16.8 | |
| 1983-84 | <.1 ± <.1 | 1.0 ± 1.0 | 0.0 | 0.3 ± 0.3 | 1.0 ± 1.0 | 0.0 | 0.6 ± 0.3 | 3.0 ± 1.5 | |
| 1984-85 | 13.6 ± 9.5 | 0.1 ± 0.1 | 0.0 | 0.0 | 0.2 ± 0.1 | 3.7 ± 2.9 | 0.2 ± 0.2 | 17.8 ± 10.0 | |
| Sheepshead | | | | | | | | | |
| 1974-76 | 13.4 ± 8.4 | 0.0 | 1.2 ± 0.6 | 39.6 ± 33.6 | 0.1 ± 0.1 | 5.1 ± 3.8 | 0.6 ± 0.6 | 60.0 ± 22.0 | |
| 1976-77 | 1.5 | 1.0 | <.1 | 1.5 | 1.2 | 0.7 | 1.4 | 7.3 | |
| 1977-78 | 6.8 | 2.9 | 2.2 | 4.1 | 0.4 | 1.8 | 5.8 | 24.0 | |
| 1978-79 | 4.5 | 4.6 | 0.8 | 2.2 | 1.5 | 1.8 | 7.2 | 22.6 | |
| 1979-80 | 52.9 ± 47.3 | 0.0 | 0.3 ± 0.2 | 14.5 ± 14.5 | 2.2 ± 1.3 | 3.7 ± 2.4 | 16.3 ± 10.1 | 90.0 ± 50.6 | |
| 1980-81 | 8.9 ± 7.8 | 1.0 ± 0.9 | <.1 ± <.1 | 13.8 ± 9.7 | 33.5 ± 19.2 | 2.5 ± 2.0 | 2.8 ± 1.5 | 62.5 ± 23.1 | |
| 1981-82 | 2.8 ± 1.9 | 4.5 ± 3.0 | 0.5 ± 0.3 | 3.7 ± 2.1 | 14.1 ± 8.0 | 0.9 ± 0.4 | 16.5 ± 9.3 | 43.0 ± 13.0 | |
| 1982-83 | 0.8 ± 0.5 | 5.6 ± 3.6 | 4.7 ± 1.6 | 14.2 ± 10.6 | 37.9 ± 21.8 | 1.0 ± 0.7 | 10.7 ± 6.5 | 74.9 ± 25.4 | |
| 1983-84 | 1.7 ± 1.7 | 6.3 ± 6.1 | 0.2 ± 0.2 | 11.6 ± 6.9 | 0.6 ± 0.4 | 0.2 ± 0.2 | 8.5 ± 4.9 | 29.2 ± 10.6 | |
| 1984-85 | 0.3 ± 0.3 | 2.0 ± 0.9 | 0.0 | 37.5 ± 27.1 | 0.9 ± 0.9 | 0.2 ± 0.2 | 2.6 ± 1.5 | 43.4 ± 27.1 | |

Table D.8. (Cont'd.)

| Species | Bay system | | | | | | | | Coastwide ^a |
|--------------------------|---------------|-------------|-------------|-------------|----------------|--------------------|--------------------|---------------|------------------------|
| | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | | |
| Year | | | | | | | | | |
| Southern flounder | | | | | | | | | |
| 1974-76 | 34.1 ± 16.6 | 11.6 ± 11.6 | 1.3 ± 0.7 | 5.9 ± 2.9 | 2.1 ± 1.3 | 9.0 ± 3.2 | 0.2 ± 0.2 | 64.2 ± 11.7 | |
| 1976-77 | 0.9 | 6.0 | 0.5 | 0.6 | 0.4 | <.1 | <.1 | 8.4 | |
| 1977-78 | 3.4 | 2.8 | 0.8 | 0.6 | 0.4 | 0.7 | 1.4 | 10.1 | |
| 1978-79 | 2.5 | 3.9 | 0.1 | 1.9 | 0.8 | 1.0 | 0.8 | 11.0 | |
| 1979-80 | 191.9 ± 191.5 | 1.0 ± 1.0 | 0.1 ± 0.1 | 0.0 | 1.4 ± 0.9 | 0.8 ± 0.4 | 0.9 ± 0.9 | 196.2 ± 191.5 | |
| 1980-81 | 0.3 ± 0.2 | 0.0 | <.1 ± <.1 | 0.1 ± 0.1 | 9.7 ± 9.0 | 4.1 ± 3.0 | 0.4 ± 0.2 | 14.5 ± 9.5 | |
| 1981-82 | 4.2 ± 2.2 | 0.7 ± 0.5 | 0.7 ± 0.5 | 1.2 ± 0.5 | 0.6 ± 0.3 | 0.5 ± 0.3 | 1.4 ± 0.4 | 9.3 ± 2.4 | |
| 1982-83 | 2.0 ± 1.0 | 0.8 ± 0.4 | 0.6 ± 0.6 | 1.4 ± 0.5 | 0.8 ± 0.4 | 2.2 ± 0.7 | 2.5 ± 0.8 | 10.4 ± 1.7 | |
| 1983-84 | 6.1 ± 3.2 | 2.2 ± 1.5 | 0.1 ± 0.1 | 1.2 ± 1.0 | 0.1 ± 0.1 | 0.8 ± 0.5 | 0.1 ± 0.1 | 10.7 ± 3.7 | |
| 1984-85 | 18.2 ± 12.4 | 0.4 ± 0.3 | 0.3 ± 0.2 | 0.5 ± 0.3 | 2.6 ± 1.6 | 0.1 ± 0.1 | 5.1 ± 2.5 | 27.3 ± 12.7 | |
| Spotted seatrout | | | | | | | | | |
| 1974-76 | 112.3 ± 66.0 | 16.7 ± 16.7 | 43.3 ± 16.5 | 89.5 ± 50.3 | 19.2 ± 8.1 | 74.0 ± 35.1 | 65.6 ± 33.6 | 420.6 ± 59.3 | |
| 1976-77 | 27.9 | 3.7 | 0.8 | 21.2 | 6.2 | 9.1 | 107.0 | 175.9 | |
| 1977-78 | 5.3 | 7.5 | 4.2 | 14.5 | 9.5 | 15.6 | 22.2 | 78.8 | |
| 1978-79 | 9.7 | 13.0 | 0.9 | 19.1 | 6.2 | 9.5 | 11.6 | 70.0 | |
| 1979-80 | 9.8 ± 9.8 | 3.5 ± 3.5 | 6.6 ± 4.0 | 3.3 ± 1.8 | 6.2 ± 6.0 | 45.3 ± 25.3 | 31.3 ± 2.5 | 106.1 ± 36.2 | |
| 1980-81 | 83.4 ± 64.9 | 3.0 ± 2.5 | 2.1 ± 1.3 | 6.7 ± 4.9 | 16.8 ± 9.1 | 60.2 ± 31.5 | 18.7 ± 9.9 | 190.8 ± 73.6 | |
| 1981-82 | 20.3 ± 17.5 | 5.1 ± 4.1 | 4.5 ± 2.1 | 30.7 ± 9.5 | 34.6 ± 19.4 | 56.7 ± 31.9 | 26.2 ± 7.5 | 178.1 ± 43.2 | |
| 1982-83 | 6.4 ± 4.5 | 6.8 ± 4.7 | 5.2 ± 1.7 | 19.6 ± 8.5 | 13.0 ± 4.8 | 30.6 ± 9.4 | 35.8 ± 12.0 | 117.4 ± 19.3 | |
| 1983-84 | 57.7 ± 29.9 | 6.7 ± 4.1 | 0.8 ± 0.8 | 9.5 ± 7.3 | 6.9 ± 5.3 | 1.4 ± 1.0 | 19.2 ± 7.1 | 102.2 ± 32.3 | |
| 1984-85 | 10.7 ± 9.0 | 6.6 ± 3.0 | 0.7 ± 0.4 | 27.8 ± 21.9 | 5.3 ± 3.9 | 1.4 ± 0.8 | 24.4 ± 11.6 | 76.9 ± 26.8 | |
| Other species | | | | | | | | | |
| 1974-76 | 17.9 ± 14.0 | 1.9 ± 1.9 | 0.7 ± 0.5 | 0.0 | 0.2 ± 0.2 | 1.3 ± 1.3 | 0.0 | 22.0 ± 8.8 | |
| 1976-77 | 0.1 | 0.6 | 0.5 | <.1 | 1.0 | 0.0 | 9.5 | 11.7 | |
| 1977-78 | 29.0 | 0.4 | 0.6 | 0.4 | 1.0 | 0.0 | 1.4 | 32.8 | |
| 1978-79 | 9.8 | <.1 | 0.1 | 0.5 | 5.9 | 0.0 | 0.1 | 16.4 | |
| 1979-80 | 0.0 | 0.0 | 0.0 | 0.0 | 44.5 ± 44.5 | 0.2 ± 0.2 | 1.3 ± 1.3 | 46.0 ± 44.6 | |
| 1980-81 | 18.1 ± 12.2 | <.1 ± <.1 | <.1 ± <.1 | 0.0 | 3.0 ± 1.9 | 0.0 | 2.6 ± 2.1 | 23.8 ± 12.5 | |
| 1981-82 | 6.3 ± 2.6 | 0.9 ± 0.9 | 0.1 ± 0.1 | 0.9 ± 0.5 | 4.1 ± 1.8 | <.1 ± <.1 | 0.8 ± 0.3 | 13.1 ± 3.4 | |
| 1982-83 | 14.1 ± 7.0 | 0.0 | 1.1 ± 0.5 | 1.4 ± 0.8 | 9.4 ± 3.8 | 0.3 ± 0.2 | 3.0 ± 1.5 | 29.4 ± 8.1 | |
| 1983-84 | 26.5 ± 26.5 | 0.5 ± 0.5 | 0.0 | 1.7 | 0.4 | 0.1 ± 0.1 | 2.0 ± 1.7 | 31.2 | |
| 1984-85 | 2.8 | <.1 ± <.1 | 0.0 | 0.3 ± 0.3 | 2.2 | <.1 ± <.1 | 0.4 | 5.8 | |

Table D.8. (Cont'd.)

| Species Year | Bay system | | | | | | | Coastwide ^a |
|-----------------------------------|---------------|-------------|-------------|--------------|----------------|--------------------|--------------------|------------------------|
| | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | |
| All species combined ^a | | | | | | | | |
| 1974-76 | 450.1 ± 288.6 | 42.4 ± 30.0 | 57.1 ± 21.2 | 157.9 ± 60.6 | 36.8 ± 15.0 | 176.4 ± 107.1 | 77.6 ± 33.4 | 998.3 ± 198.6 |
| 1976-77 | 38.9 | 19.2 | 7.0 | 25.5 | 35.9 | 13.5 | 125.2 | 265.2 |
| 1977-78 | 77.2 | 24.2 | 16.2 | 25.8 | 16.2 | 24.2 | 42.1 | 225.9 |
| 1978-79 | 149.2 | 24.4 | 12.0 | 31.5 | 18.2 | 16.2 | 23.6 | 275.1 |
| 1979-80 | 266.3 ± 236.0 | 8.1 ± 5.6 | 11.5 ± 5.2 | 22.6 ± 20.2 | 62.9 ± 44.0 | 60.3 ± 24.3 | 52.0 ± 34.2 | 483.8 ± 244.7 |
| 1980-81 | 143.7 ± 79.1 | 14.1 ± 8.0 | 2.2 ± 1.3 | 20.6 ± 12.1 | 70.1 ± 28.7 | 69.5 ± 35.5 | 28.8 ± 11.3 | 348.9 ± 93.1 |
| 1981-82 | 67.7 ± 47.2 | 17.2 ± 8.3 | 10.4 ± 3.9 | 48.6 ± 13.1 | 82.3 ± 24.9 | 64.0 ± 32.5 | 52.8 ± 15.4 | 343.0 ± 66.3 |
| 1982-83 | 68.1 ± 37.2 | 22.2 ± 9.6 | 18.4 ± 3.8 | 50.3 ± 18.0 | 107.0 ± 35.6 | 37.7 ± 10.5 | 64.2 ± 15.8 | 367.9 ± 58.7 |
| 1983-84 | 97.5 ± 40.3 | 24.3 ± 14.3 | 2.0 ± 1.7 | 30.0 ± 18.6 | 14.7 ± 9.2 | 3.9 ± 2.8 | 35.4 ± 11.9 | 207.9 ± 49.1 |
| 1984-85 | 64.8 ± 31.9 | 14.7 ± 5.8 | 3.5 ± 1.3 | 74.7 ± 41.5 | 14.8 ± 8.9 | 6.2 ± 3.2 | 40.7 ± 14.4 | 219.4 ± 55.4 |

^aDue to rounding of numbers, these totals may not exactly equal individual species totals.

Table D.9. Annual mean catch rates of fishes (No./man-h) \pm 1 SE caught by private-boat fishermen in Texas bays and passes by species and bay system (1974-1985).

| Species | Bay system | | | | | | | Coastwide |
|----------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|--------------------|--------------------|-----------------|
| | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | |
| Atlantic croaker | | | | | | | | |
| 1974-76 | 0.24 \pm 0.12 | 0.03 \pm 0.02 | 0.02 \pm 0.01 | 0.01 \pm <.01 | 0.05 \pm 0.02 | 0.21 \pm 0.12 | 0.01 \pm 0.01 | 0.14 \pm 0.05 |
| 1976-77 | 0.52 | 0.07 | <.01 | 0.02 | 0.10 | 0.08 | 0.03 | 0.19 |
| 1977-78 | 0.40 | 0.05 | <.01 | 0.01 | 0.08 | 0.10 | 0.02 | 0.22 |
| 1978-79 | 0.24 | 0.04 | 0.01 | <.01 | 0.05 | 0.19 | 0.02 | 0.14 |
| 1979-80 | 0.13 \pm 0.06 | 0.02 \pm 0.01 | 0.01 \pm 0.01 | 0.01 \pm 0.01 | 0.03 \pm 0.02 | 0.22 \pm 0.12 | 0.01 \pm <.01 | 0.09 \pm 0.03 |
| 1980-81 | 0.17 \pm 0.10 | 0.08 \pm 0.04 | 0.01 \pm <.01 | 0.01 \pm <.01 | 0.20 \pm 0.17 | 0.04 \pm 0.01 | 0.02 \pm 0.01 | 0.12 \pm 0.05 |
| 1981-82 | 0.10 \pm 0.03 | 0.01 \pm 0.01 | <.01 \pm <.01 | <.01 \pm <.01 | 0.12 \pm 0.06 | 0.03 \pm 0.01 | 0.01 \pm <.01 | 0.06 \pm 0.01 |
| 1982-83 | 0.12 \pm 0.02 | 0.02 \pm 0.01 | <.01 \pm <.01 | 0.02 \pm 0.01 | 0.04 \pm 0.01 | 0.03 \pm 0.02 | 0.01 \pm <.01 | 0.05 \pm 0.01 |
| 1983-84 | 0.08 \pm 0.02 | 0.02 \pm 0.01 | <.01 \pm <.01 | 0.06 \pm 0.03 | 0.05 \pm 0.02 | 0.04 \pm 0.01 | 0.01 \pm <.01 | 0.05 \pm 0.01 |
| 1984-85 | 0.14 \pm 0.03 | 0.01 \pm <.01 | <.01 \pm <.01 | 0.01 \pm <.01 | 0.02 \pm <.01 | 0.01 \pm <.01 | 0.01 \pm <.01 | 0.06 \pm 0.01 |
| Black drum | | | | | | | | |
| 1974-76 | 0.01 \pm <.01 | 0.03 \pm 0.02 | 0.01 \pm <.01 | 0.03 \pm 0.03 | 0.05 \pm 0.02 | 0.02 \pm 0.01 | 0.03 \pm 0.02 | 0.02 \pm <.01 |
| 1976-77 | 0.07 | 0.04 | 0.12 | 0.02 | 0.03 | 0.04 | 0.02 | 0.05 |
| 1977-78 | 0.05 | 0.05 | 0.03 | 0.02 | 0.03 | 0.02 | 0.02 | 0.04 |
| 1978-79 | 0.05 | 0.03 | 0.02 | 0.01 | 0.01 | 0.02 | 0.04 | 0.04 |
| 1979-80 | 0.02 \pm 0.01 | 0.03 \pm 0.02 | 0.01 \pm <.01 | 0.05 \pm 0.03 | 0.01 \pm 0.01 | 0.01 \pm 0.01 | 0.01 \pm 0.01 | 0.02 \pm 0.01 |
| 1980-81 | 0.04 \pm 0.02 | 0.07 \pm 0.03 | 0.01 \pm <.01 | 0.01 \pm <.01 | 0.01 \pm 0.01 | 0.01 \pm <.01 | 0.02 \pm 0.01 | 0.03 \pm 0.01 |
| 1981-82 | 0.03 \pm 0.01 | 0.05 \pm 0.01 | 0.05 \pm 0.01 | 0.04 \pm 0.01 | 0.02 \pm 0.01 | 0.01 \pm 0.01 | 0.02 \pm 0.01 | 0.03 \pm 0.01 |
| 1982-83 | 0.06 \pm 0.02 | 0.06 \pm 0.02 | 0.01 \pm <.01 | 0.02 \pm 0.01 | 0.02 \pm 0.01 | 0.01 \pm <.01 | 0.01 \pm <.01 | 0.04 \pm 0.01 |
| 1983-84 | 0.01 \pm <.01 | 0.03 \pm 0.01 | 0.01 \pm <.01 | 0.02 \pm 0.02 | 0.01 \pm <.04 | <.01 \pm <.01 | 0.01 \pm <.01 | 0.01 \pm <.01 |
| 1984-85 | 0.02 \pm <.01 | 0.03 \pm 0.01 | 0.01 \pm <.01 | 0.01 \pm 0.01 | 0.01 \pm <.01 | <.01 \pm <.01 | 0.01 \pm <.01 | 0.01 \pm <.01 |
| Gafftopsail catfish | | | | | | | | |
| 1974-76 | 0.01 \pm 0.01 | 0.03 \pm 0.02 | 0.01 \pm <.05 | 0.02 \pm 0.02 | 0.01 \pm 0.01 | 0.00 | 0.00 | 0.01 \pm <.01 |
| 1976-77 | 0.02 | 0.12 | 0.02 | 0.01 | 0.03 | 0.00 | <.01 | 0.02 |
| 1977-78 | <.01 | 0.06 | 0.02 | 0.01 | 0.01 | 0.00 | 0.00 | 0.01 |
| 1978-79 | 0.02 | 0.05 | 0.01 | 0.02 | 0.02 | <.01 | <.01 | 0.02 |
| 1979-80 | <.01 \pm <.01 | <.01 \pm <.01 | 0.01 \pm <.01 | <.01 \pm <.01 | 0.01 \pm 0.01 | <.01 \pm <.01 | 0.00 | <.01 \pm <.01 |
| 1980-81 | 0.01 \pm <.01 | <.01 \pm <.01 | <.01 \pm <.01 | <.01 \pm <.01 | <.01 \pm <.01 | 0.00 | 0.00 | <.01 \pm <.01 |
| 1981-82 | <.01 \pm <.01 | 0.01 \pm 0.01 | 0.01 \pm <.01 | 0.01 \pm 0.01 | 0.05 \pm 0.04 | 0.00 | 0.00 | 0.01 \pm <.01 |
| 1982-83 | <.01 \pm <.01 | 0.01 \pm <.01 | <.01 \pm <.01 | 0.01 \pm <.01 | 0.00 | 0.00 | 0.00 | <.01 \pm <.01 |
| 1983-84 | <.01 \pm <.01 | 0.01 \pm <.01 | 0.01 \pm <.01 | <.01 \pm <.01 | 0.01 \pm <.01 | 0.00 | 0.00 | <.01 \pm <.01 |
| 1984-85 | <.01 \pm <.01 | 0.01 \pm <.01 | 0.02 \pm 0.01 | <.01 \pm <.01 | <.01 \pm <.01 | <.01 \pm <.01 | 0.00 | <.01 \pm 0.00 |

Table D.9. (Cont'd.)

| Species | Bay system | | | | | | | Coastwide |
|----------------------|-------------|-------------|-------------|-------------|----------------|--------------------|--------------------|-------------|
| | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | |
| Red drum | | | | | | | | |
| 1974-76 | 0.04 ± 0.02 | 0.06 ± 0.03 | 0.12 ± 0.03 | 0.04 ± 0.01 | 0.06 ± 0.03 | 0.03 ± 0.01 | 0.06 ± 0.02 | 0.05 ± 0.01 |
| 1976-77 | 0.03 | 0.05 | 0.10 | 0.04 | 0.06 | 0.02 | 0.03 | 0.04 |
| 1977-78 | 0.03 | 0.02 | 0.06 | 0.07 | 0.02 | 0.01 | 0.03 | 0.03 |
| 1978-79 | 0.02 | 0.04 | 0.09 | 0.01 | 0.02 | 0.01 | 0.02 | 0.02 |
| 1979-80 | 0.02 ± 0.01 | 0.05 ± 0.03 | 0.09 ± 0.03 | 0.05 ± 0.03 | 0.02 ± 0.01 | 0.03 ± 0.01 | 0.07 ± 0.03 | 0.03 ± 0.01 |
| 1980-81 | 0.03 ± 0.01 | 0.05 ± 0.02 | 0.05 ± 0.02 | 0.03 ± 0.01 | 0.02 ± 0.01 | 0.03 ± 0.01 | 0.03 ± 0.01 | 0.03 ± 0.01 |
| 1981-82 | 0.02 ± 0.01 | 0.04 ± 0.01 | 0.09 ± 0.03 | 0.03 ± 0.01 | 0.03 ± 0.01 | 0.02 ± 0.01 | 0.02 ± 0.01 | 0.03 ± <.01 |
| 1982-83 | 0.02 ± <.01 | 0.04 ± 0.01 | 0.05 ± 0.01 | 0.06 ± 0.02 | 0.02 ± <.01 | 0.02 ± <.01 | 0.04 ± 0.01 | 0.03 ± <.01 |
| 1983-84 | 0.01 ± <.01 | 0.07 ± 0.02 | 0.11 ± 0.02 | 0.06 ± 0.02 | 0.03 ± 0.01 | 0.02 ± <.01 | 0.06 ± 0.01 | 0.01 ± <.01 |
| 1984-85 | 0.01 ± <.01 | 0.02 ± 0.01 | 0.05 ± 0.02 | 0.04 ± 0.01 | 0.03 ± 0.01 | 0.01 ± <.01 | 0.04 ± <.01 | 0.02 ± <.01 |
| Sand seatrout | | | | | | | | |
| 1974-76 | 0.25 ± 0.16 | 0.11 ± 0.08 | 0.02 ± 0.01 | 0.03 ± 0.02 | 0.34 ± 0.12 | 0.07 ± 0.06 | 0.02 ± 0.01 | 0.16 ± 0.07 |
| 1976-77 | 0.58 | 0.09 | <.01 | 0.14 | 0.53 | 0.05 | 0.04 | 0.25 |
| 1977-78 | 0.16 | 0.06 | 0.01 | 0.04 | 0.24 | 0.02 | 0.09 | 0.11 |
| 1978-79 | 0.34 | 0.04 | <.01 | 0.03 | 0.11 | 0.01 | 0.01 | 0.17 |
| 1979-80 | 0.15 ± 0.10 | 0.02 ± 0.01 | 0.02 ± 0.01 | <.01 ± <.01 | 0.19 ± 0.14 | 0.05 ± 0.03 | 0.03 ± 0.02 | 0.11 ± 0.05 |
| 1980-81 | 0.16 ± 0.05 | 0.04 ± 0.02 | <.01 ± <.01 | 0.04 ± 0.01 | 0.61 ± 0.52 | 0.01 ± <.01 | 0.02 ± 0.01 | 0.16 ± 0.08 |
| 1981-82 | 0.08 ± 0.02 | 0.09 ± 0.04 | 0.01 ± 0.01 | 0.03 ± 0.01 | 0.18 ± 0.04 | 0.02 ± 0.01 | 0.06 ± 0.02 | 0.07 ± 0.01 |
| 1982-83 | 0.17 ± 0.05 | 0.05 ± 0.02 | 0.02 ± 0.01 | 0.05 ± 0.01 | 0.26 ± 0.06 | 0.01 ± <.04 | 0.03 ± 0.01 | 0.10 ± 0.01 |
| 1983-84 | 0.08 ± 0.04 | 0.05 ± 0.02 | 0.01 ± <.01 | 0.05 ± 0.02 | 0.13 ± 0.05 | 0.02 ± <.01 | 0.02 ± <.01 | 0.06 ± 0.01 |
| 1984-85 | 0.20 ± 0.06 | 0.03 ± 0.02 | 0.02 ± 0.01 | 0.06 ± 0.02 | 0.04 ± 0.02 | 0.03 ± 0.01 | 0.04 ± 0.02 | 0.10 ± 0.02 |
| Sheepshead | | | | | | | | |
| 1974-76 | 0.01 ± <.01 | 0.02 ± 0.01 | 0.01 ± <.01 | 0.09 ± 0.07 | 0.02 ± 0.01 | 0.02 ± 0.01 | <.01 ± <.01 | 0.02 ± 0.01 |
| 1976-77 | 0.02 | 0.06 | 0.01 | 0.03 | 0.03 | 0.01 | 0.02 | 0.02 |
| 1977-78 | 0.08 | 0.05 | 0.02 | 0.04 | 0.02 | 0.01 | 0.02 | 0.06 |
| 1978-79 | 0.02 | 0.05 | 0.01 | 0.02 | 0.03 | 0.01 | 0.03 | 0.02 |
| 1979-80 | 0.04 ± 0.03 | 0.03 ± 0.01 | 0.02 ± 0.01 | 0.09 ± 0.08 | 0.02 ± 0.01 | 0.01 ± 0.01 | 0.11 ± 0.05 | 0.04 ± 0.01 |
| 1980-81 | 0.02 ± 0.01 | 0.03 ± 0.01 | 0.01 ± <.01 | 0.07 ± 0.04 | 0.09 ± 0.04 | 0.01 ± 0.01 | 0.03 ± 0.01 | 0.03 ± 0.01 |
| 1981-82 | 0.02 ± 0.01 | 0.06 ± 0.02 | 0.03 ± 0.01 | 0.06 ± 0.02 | 0.06 ± 0.02 | 0.01 ± <.01 | 0.05 ± 0.03 | 0.03 ± 0.01 |
| 1982-83 | 0.03 ± 0.01 | 0.05 ± 0.02 | 0.02 ± 0.01 | 0.04 ± 0.02 | 0.15 ± 0.07 | 0.01 ± <.01 | 0.03 ± 0.01 | 0.04 ± 0.01 |
| 1983-84 | 0.01 ± <.01 | 0.03 ± 0.02 | 0.01 ± <.01 | 0.03 ± 0.01 | <.01 ± <.01 | <.01 ± <.01 | 0.02 ± 0.01 | 0.02 ± <.01 |
| 1984-85 | 0.02 ± <.01 | 0.03 ± 0.01 | 0.01 ± <.01 | 0.10 ± 0.07 | 0.01 ± <.01 | <.01 ± <.01 | 0.02 ± 0.01 | 0.02 ± 0.01 |

Table D.9. (Cont'd.)

| Species | Bay system | | | | | | | Coastwide |
|--------------------------|-------------|-------------|-------------|-------------|----------------|--------------------|--------------------|-------------|
| | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | |
| Southern flounder | | | | | | | | |
| 1974-76 | 0.03 ± 0.01 | 0.06 ± 0.03 | 0.03 ± 0.01 | 0.05 ± 0.02 | 0.01 ± 0.01 | 0.08 ± 0.03 | <.01 ± <.01 | 0.04 ± 0.01 |
| 1976-77 | 0.03 | 0.06 | 0.03 | 0.02 | 0.04 | 0.01 | 0.01 | 0.02 |
| 1977-78 | 0.02 | 0.04 | 0.03 | 0.04 | 0.02 | 0.01 | 0.02 | 0.02 |
| 1978-79 | 0.02 | 0.04 | 0.02 | 0.02 | 0.05 | 0.01 | 0.02 | 0.02 |
| 1979-80 | 0.22 ± 0.15 | 0.03 ± 0.01 | 0.03 ± 0.01 | 0.01 ± 0.01 | 0.02 ± 0.01 | 0.03 ± 0.01 | 0.03 ± 0.01 | 0.12 ± 0.07 |
| 1980-81 | 0.03 ± 0.01 | 0.02 ± 0.01 | 0.03 ± 0.01 | 0.04 ± 0.02 | 0.10 ± 0.06 | 0.02 ± 0.01 | 0.02 ± 0.01 | 0.03 ± 0.01 |
| 1981-82 | 0.02 ± 0.01 | 0.03 ± 0.02 | 0.02 ± 0.01 | 0.02 ± 0.01 | 0.06 ± 0.03 | 0.01 ± <.01 | 0.03 ± 0.01 | 0.02 ± <.01 |
| 1982-83 | 0.06 ± 0.02 | 0.02 ± 0.01 | 0.02 ± 0.01 | 0.04 ± 0.02 | 0.02 ± <.01 | 0.02 ± <.01 | 0.05 ± 0.01 | 0.04 ± 0.01 |
| 1983-84 | 0.03 ± 0.01 | 0.04 ± 0.01 | 0.01 ± <.01 | 0.03 ± 0.02 | 0.03 ± 0.01 | 0.01 ± <.01 | 0.02 ± <.01 | 0.03 ± 0.01 |
| 1984-85 | 0.05 ± 0.01 | 0.03 ± 0.01 | 0.02 ± 0.01 | 0.02 ± 0.01 | 0.04 ± 0.01 | 0.01 ± <.01 | 0.02 ± <.01 | 0.03 ± <.01 |
| Spotted seatrout | | | | | | | | |
| 1974-76 | 0.22 ± 0.09 | 0.40 ± 0.20 | 0.84 ± 0.24 | 1.41 ± 0.68 | 0.29 ± 0.11 | 0.46 ± 0.14 | 0.33 ± 0.10 | 0.42 ± 0.09 |
| 1976-77 | 0.16 | 0.10 | 0.33 | 0.76 | 0.68 | 0.87 | 0.71 | 0.47 |
| 1977-78 | 0.15 | 0.26 | 0.20 | 0.62 | 0.69 | 0.25 | 0.42 | 0.27 |
| 1978-79 | 0.20 | 0.17 | 0.09 | 0.52 | 0.33 | 0.15 | 0.34 | 0.23 |
| 1979-80 | 0.06 ± 0.03 | 0.11 ± 0.05 | 0.53 ± 0.24 | 0.49 ± 0.19 | 0.11 ± 0.06 | 0.33 ± 0.09 | 0.48 ± 0.16 | 0.19 ± 0.04 |
| 1980-81 | 0.38 ± 0.18 | 0.12 ± 0.05 | 0.26 ± 0.08 | 0.33 ± 0.09 | 0.15 ± 0.05 | 0.34 ± 0.08 | 0.36 ± 0.09 | 0.30 ± 0.07 |
| 1981-82 | 0.18 ± 0.05 | 0.31 ± 0.07 | 0.34 ± 0.06 | 0.37 ± 0.08 | 0.41 ± 0.08 | 0.28 ± 0.07 | 0.45 ± 0.06 | 0.28 ± 0.03 |
| 1982-83 | 0.15 ± 0.04 | 0.21 ± 0.04 | 0.22 ± 0.04 | 0.26 ± 0.05 | 0.22 ± 0.05 | 0.28 ± 0.04 | 0.45 ± 0.05 | 0.23 ± 0.02 |
| 1983-84 | 0.12 ± 0.04 | 0.24 ± 0.06 | 0.30 ± 0.08 | 0.21 ± 0.06 | 0.19 ± 0.07 | 0.26 ± 0.04 | 0.33 ± 0.04 | 0.20 ± 0.03 |
| 1984-85 | 0.06 ± 0.01 | 0.07 ± 0.03 | 0.03 ± 0.01 | 0.09 ± 0.05 | 0.07 ± 0.02 | 0.03 ± 0.01 | 0.16 ± 0.03 | 0.08 ± 0.01 |
| Other species | | | | | | | | |
| 1974-76 | 0.03 ± 0.02 | 0.01 ± 0.01 | 0.02 ± 0.01 | 0.01 ± <.01 | 0.05 ± 0.02 | 0.01 ± 0.01 | 0.03 ± 0.02 | 0.03 ± 0.01 |
| 1976-77 | 0.03 | 0.02 | 0.02 | 0.01 | 0.04 | 0.01 | 0.04 | 0.03 |
| 1977-78 | 0.03 | 0.03 | 0.02 | 0.01 | 0.02 | 0.01 | 0.01 | 0.02 |
| 1978-79 | 0.04 | 0.02 | 0.01 | 0.01 | 0.04 | <.01 | <.01 | 0.02 |
| 1979-80 | 0.03 ± 0.02 | 0.02 ± 0.01 | 0.01 ± 0.01 | 0.01 ± <.01 | 0.13 ± 0.11 | 0.11 ± 0.10 | 0.02 ± 0.01 | 0.05 ± 0.02 |
| 1980-81 | 0.05 ± 0.01 | 0.02 ± 0.01 | 0.01 ± 0.01 | 0.01 ± 0.01 | 0.09 ± 0.06 | 0.02 ± 0.01 | 0.01 ± 0.01 | 0.04 ± 0.01 |
| 1981-82 | 0.05 ± 0.02 | 0.02 ± 0.01 | 0.01 ± 0.01 | 0.02 ± 0.01 | 0.05 ± 0.01 | 0.01 ± <.01 | 0.01 ± <.01 | 0.03 ± 0.01 |
| 1982-83 | 0.05 ± 0.01 | 0.02 ± <.01 | 0.02 ± <.01 | 0.05 ± 0.01 | 0.10 ± 0.03 | 0.01 ± 0.01 | 0.02 ± <.01 | 0.04 ± <.05 |
| 1983-84 | 0.03 | 0.03 | 0.04 | 0.06 | 0.03 | 0.01 | 0.02 | 0.03 |
| 1984-85 | 0.03 | 0.03 | 0.02 | 0.02 | 0.02 | 0.01 | 0.03 | 0.02 |

Table D.9. (Cont'd.)

| Species Year | Bay system | | | | | | | Coastwide |
|-----------------------------------|-------------|-------------|----------------|-------------|-------------------|--------------------------|--------------------------|-------------|
| | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | |
| All species combined ^a | | | | | | | | |
| 1974-76 | 0.86 ± 0.34 | 0.75 ± 0.35 | 1.09 ± 0.28 | 1.69 ± 0.71 | 0.89 ± 0.27 | 0.90 ± 0.28 | 0.49 ± 0.13 | 0.88 ± 0.18 |
| 1976-77 | 1.44 | 0.60 | 0.64 | 1.06 | 1.53 | 1.08 | 0.88 | 1.08 |
| 1977-78 | 0.93 | 0.62 | 0.39 | 0.85 | 1.14 | 0.44 | 0.63 | 0.78 |
| 1978-79 | 0.93 | 0.49 | 0.25 | 0.64 | 0.67 | 0.40 | 0.48 | 0.69 |
| 1979-80 | 0.68 ± 0.33 | 0.31 ± 0.13 | 0.72 ± 0.25 | 0.72 ± 0.25 | 0.53 ± 0.30 | 0.79 ± 0.24 | 0.76 ± 0.26 | 0.65 ± 0.17 |
| 1980-81 | 0.88 ± 0.28 | 0.43 ± 0.16 | 0.39 ± 0.11 | 0.54 ± 0.13 | 1.27 ± 0.85 | 0.47 ± 0.11 | 0.52 ± 0.12 | 0.75 ± 0.17 |
| 1981-82 | 0.50 ± 0.11 | 0.62 ± 0.12 | 0.56 ± 0.09 | 0.57 ± 0.10 | 0.98 ± 0.17 | 0.38 ± 0.09 | 0.65 ± 0.09 | 0.55 ± 0.06 |
| 1982-83 | 0.64 ± 0.10 | 0.49 ± 0.08 | 0.39 ± 0.06 | 0.50 ± 0.10 | 0.84 ± 0.16 | 0.39 ± 0.06 | 0.64 ± 0.07 | 0.58 ± 0.04 |
| 1983-84 | 0.39 ± 0.11 | 0.52 ± 0.10 | 0.51 ± 0.11 | 0.52 ± 0.14 | 0.47 ± 0.15 | 0.36 ± 0.05 | 0.48 ± 0.06 | 0.44 ± 0.05 |
| 1984-85 | 0.54 ± 0.10 | 0.24 ± 0.05 | 0.19 ± 0.03 | 0.36 ± 0.12 | 0.23 ± 0.05 | 0.10 ± 0.03 | 0.32 ± 0.06 | 0.36 ± 0.04 |

^aDue to rounding of numbers, these totals may not exactly equal individual species totals.

Table D.10. Mean catch rates of fishes (No./man-h) \pm 1 SE caught by private-boat fishermen in Texas bays and passes during the high-use season weekends by species and bay system (1974-1984).

| Species | Bay system | | | | | | | |
|----------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|--------------------|--------------------|-----------------|
| | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | Coastwide |
| Atlantic croaker | | | | | | | | |
| 1975 | 0.29 \pm 0.19 | 0.04 \pm 0.03 | 0.02 \pm 0.01 | 0.02 \pm 0.01 | 0.04 \pm 0.03 | 0.24 \pm 0.11 | 0.03 \pm 0.02 | 0.14 \pm 0.07 |
| 1976 | 0.55 \pm 0.22 | 0.08 \pm 0.06 | <.01 \pm <.01 | 0.02 \pm 0.02 | 0.10 \pm 0.04 | 0.09 \pm 0.03 | 0.03 \pm 0.01 | 0.24 \pm 0.08 |
| 1977 | 0.43 \pm 0.18 | 0.06 \pm 0.03 | <.01 \pm <.01 | 0.02 \pm 0.01 | 0.09 \pm 0.05 | 0.16 \pm 0.10 | 0.03 \pm 0.01 | 0.26 \pm 0.09 |
| 1978 | 0.27 \pm 0.08 | 0.05 \pm 0.03 | 0.01 \pm 0.01 | 0.01 \pm <.01 | 0.07 \pm 0.02 | 0.26 \pm 0.16 | 0.02 \pm 0.01 | 0.16 \pm 0.04 |
| 1979 | 0.34 \pm 0.14 | 0.02 \pm 0.01 | 0.02 \pm 0.01 | 0.01 \pm 0.01 | 0.05 \pm 0.02 | 0.05 \pm 0.03 | 0.02 \pm 0.01 | 0.18 \pm 0.07 |
| 1980 | 0.23 \pm 0.09 | 0.05 \pm 0.02 | 0.01 \pm <.01 | 0.01 \pm <.01 | 0.16 \pm 0.09 | 0.04 \pm 0.01 | 0.01 \pm 0.01 | 0.10 \pm 0.02 |
| 1981 | 0.12 \pm 0.06 | 0.02 \pm 0.01 | <.01 \pm <.01 | 0.00 | 0.24 \pm 0.19 | 0.05 \pm 0.02 | 0.01 \pm 0.01 | 0.08 \pm 0.03 |
| 1982 | 0.10 \pm 0.03 | 0.02 \pm 0.01 | 0.01 \pm <.01 | 0.03 \pm 0.02 | 0.03 \pm 0.01 | 0.05 \pm 0.03 | 0.02 \pm 0.01 | 0.06 \pm 0.01 |
| 1983 | 0.08 \pm 0.04 | 0.02 \pm 0.01 | 0.01 \pm <.01 | 0.03 \pm 0.02 | 0.04 \pm 0.03 | 0.05 \pm 0.01 | 0.01 \pm <.01 | 0.05 \pm 0.01 |
| 1984 | 0.15 \pm 0.05 | 0.01 \pm <.01 | <.01 \pm <.01 | 0.01 \pm 0.01 | 0.01 \pm <.01 | 0.01 \pm <.01 | 0.01 \pm <.01 | 0.08 \pm 0.02 |
| Black drum | | | | | | | | |
| 1975 | 0.02 \pm 0.01 | 0.02 \pm 0.01 | 0.01 \pm <.01 | <.01 \pm <.01 | 0.04 \pm 0.04 | 0.01 \pm <.01 | 0.01 \pm 0.01 | 0.01 \pm 0.01 |
| 1976 | 0.06 \pm 0.02 | 0.02 \pm 0.01 | 0.12 \pm 0.09 | 0.01 \pm 0.01 | 0.02 \pm 0.01 | 0.04 \pm 0.03 | 0.01 \pm <.01 | 0.04 \pm 0.01 |
| 1977 | 0.04 \pm 0.01 | 0.05 \pm 0.02 | 0.01 \pm <.01 | 0.01 \pm <.01 | 0.01 \pm 0.01 | 0.01 \pm 0.01 | 0.01 \pm <.01 | 0.03 \pm 0.01 |
| 1978 | 0.02 \pm 0.01 | 0.03 \pm 0.01 | 0.01 \pm 0.01 | <.01 \pm <.01 | 0.01 \pm <.01 | 0.01 \pm <.01 | 0.01 \pm <.01 | 0.02 \pm <.01 |
| 1979 | 0.05 \pm 0.02 | 0.02 \pm 0.01 | 0.01 \pm 0.01 | 0.08 \pm 0.05 | 0.01 \pm 0.01 | <.01 \pm <.01 | <.01 \pm <.01 | 0.03 \pm 0.01 |
| 1980 | 0.03 \pm 0.01 | 0.08 \pm 0.05 | 0.01 \pm 0.01 | <.01 \pm <.01 | 0.04 \pm 0.02 | 0.01 \pm <.01 | 0.03 \pm 0.02 | 0.03 \pm 0.01 |
| 1981 | <.01 \pm <.01 | 0.05 \pm 0.02 | 0.01 \pm <.01 | 0.01 \pm <.01 | 0.01 \pm <.01 | 0.01 \pm <.01 | 0.01 \pm 0.01 | 0.01 \pm <.01 |
| 1982 | 0.04 \pm 0.01 | 0.04 \pm 0.01 | <.01 \pm <.01 | 0.01 \pm <.01 | 0.03 \pm 0.01 | 0.01 \pm <.01 | <.01 \pm <.01 | 0.03 \pm 0.01 |
| 1983 | 0.01 \pm <.01 | 0.03 \pm 0.01 | 0.02 \pm 0.01 | 0.02 \pm 0.01 | 0.01 \pm <.01 | <.01 \pm <.01 | <.01 \pm <.01 | 0.01 \pm <.01 |
| 1984 | 0.02 \pm <.01 | 0.01 \pm <.01 | <.01 \pm <.01 | 0.00 | 0.01 \pm <.01 | <.01 \pm 0.00 | <.01 \pm <.01 | 0.01 \pm <.01 |
| Gafftopsail catfish | | | | | | | | |
| 1975 | 0.02 \pm 0.02 | 0.01 \pm 0.01 | 0.01 \pm 0.01 | 0.01 \pm <.01 | 0.00 | 0.00 | 0.00 | 0.01 \pm 0.01 |
| 1976 | 0.01 \pm 0.01 | 0.09 \pm 0.08 | 0.01 \pm 0.01 | 0.01 \pm 0.01 | 0.02 \pm 0.01 | <.01 | <.01 | 0.02 \pm 0.01 |
| 1977 | <.01 \pm <.01 | 0.07 \pm 0.04 | 0.02 \pm 0.01 | <.01 \pm <.01 | 0.01 \pm 0.01 | 0.00 | 0.00 | 0.01 \pm 0.01 |
| 1978 | <.01 \pm <.01 | 0.05 \pm 0.03 | 0.01 \pm 0.01 | 0.01 \pm <.01 | 0.02 \pm 0.01 | <.01 | <.01 \pm <.01 | 0.01 \pm <.01 |
| 1979 | 0.01 \pm <.01 | 0.01 \pm <.01 | <.01 \pm <.01 | <.01 \pm <.01 | 0.01 \pm 0.01 | <.01 | 0.00 | <.01 \pm <.01 |
| 1980 | 0.01 \pm 0.01 | <.01 \pm <.01 | <.01 \pm <.01 | <.01 \pm <.01 | 0.01 \pm <.01 | <.01 | <.01 | <.01 \pm <.01 |
| 1981 | <.01 \pm <.01 | 0.01 \pm 0.01 | 0.01 \pm 0.01 | <.01 \pm <.01 | 0.01 \pm <.01 | 0.00 | <.01 | <.01 \pm <.01 |
| 1982 | <.01 \pm <.01 | 0.01 \pm 0.01 | 0.01 \pm <.01 | 0.01 \pm <.01 | 0.01 \pm <.01 | 0.00 | 0.00 | <.01 \pm <.01 |
| 1983 | <.01 \pm <.01 | 0.01 \pm 0.01 | 0.01 \pm <.01 | <.01 \pm <.01 | 0.01 \pm <.01 | 0.00 | 0.00 | <.01 \pm <.01 |
| 1984 | <.01 \pm 0.00 | 0.01 \pm <.01 | 0.02 \pm 0.01 | 0.01 \pm <.01 | <.01 \pm <.01 | 0.00 | 0.00 | <.01 \pm <.01 |

Table D.10. (Cont'd.)

| Species | Bay system | | | | | | | Coastwide |
|----------------------|-------------|-------------|-------------|-------------|----------------|--------------------|--------------------|-------------|
| | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | |
| Red drum | | | | | | | | |
| 1975 | 0.03 ± 0.02 | 0.04 ± 0.02 | 0.13 ± 0.05 | 0.06 ± 0.03 | 0.07 ± 0.06 | 0.08 ± 0.03 | 0.04 ± 0.03 | 0.05 ± 0.02 |
| 1976 | 0.02 ± 0.01 | 0.05 ± 0.02 | 0.15 ± 0.06 | 0.06 ± 0.02 | 0.06 ± 0.03 | 0.02 ± 0.01 | 0.04 ± 0.01 | 0.04 ± 0.01 |
| 1977 | 0.03 ± 0.01 | 0.02 ± 0.01 | 0.04 ± 0.01 | 0.07 ± 0.03 | 0.02 ± 0.01 | 0.02 ± 0.01 | 0.03 ± 0.01 | 0.03 ± 0.01 |
| 1978 | 0.01 ± <.01 | 0.04 ± 0.02 | 0.02 ± 0.01 | 0.01 ± <.01 | 0.02 ± 0.01 | 0.01 ± 0.01 | 0.01 ± 0.01 | 0.02 ± <.01 |
| 1979 | 0.01 ± 0.01 | 0.08 ± 0.04 | 0.07 ± 0.03 | 0.02 ± 0.01 | 0.02 ± 0.01 | <.01 ± <.01 | 0.01 ± <.01 | 0.02 ± 0.01 |
| 1980 | 0.01 ± 0.01 | 0.06 ± 0.30 | 0.04 ± 0.01 | 0.03 ± 0.02 | 0.04 ± 0.02 | 0.04 ± 0.01 | 0.03 ± 0.01 | 0.03 ± 0.01 |
| 1981 | 0.01 ± 0.01 | 0.03 ± 0.01 | 0.04 ± 0.01 | 0.02 ± 0.01 | 0.03 ± 0.01 | 0.01 ± 0.01 | 0.01 ± <.01 | 0.02 ± 0.01 |
| 1982 | 0.02 ± 0.01 | 0.03 ± 0.02 | 0.05 ± 0.01 | 0.04 ± 0.02 | 0.04 ± 0.01 | 0.02 ± <.01 | 0.03 ± 0.01 | 0.03 ± <.01 |
| 1983 | 0.01 ± <.01 | 0.06 ± 0.02 | 0.10 ± 0.03 | 0.05 ± 0.02 | 0.02 ± 0.01 | 0.02 ± <.01 | 0.06 ± 0.01 | 0.03 ± 0.01 |
| 1984 | 0.01 ± <.01 | <.01 ± <.01 | 0.01 ± <.01 | 0.04 ± 0.02 | 0.03 ± 0.01 | 0.01 ± <.01 | 0.05 ± 0.01 | 0.02 ± <.01 |
| Sand seatrout | | | | | | | | |
| 1975 | 0.58 ± 0.55 | 0.08 ± 0.07 | 0.01 ± <.01 | 0.03 ± 0.03 | 0.40 ± 0.22 | 0.03 ± 0.01 | 0.06 ± 0.04 | 0.26 ± 0.24 |
| 1976 | 0.52 ± 0.32 | 0.10 ± 0.07 | <.01 ± <.01 | 0.15 ± 0.11 | 0.30 ± 0.11 | 0.06 ± 0.04 | 0.04 ± 0.02 | 0.25 ± 0.12 |
| 1977 | 0.13 ± 0.05 | 0.06 ± 0.02 | 0.01 ± 0.01 | 0.04 ± 0.02 | 0.23 ± 0.08 | 0.02 ± 0.01 | 0.10 ± 0.04 | 0.10 ± 0.03 |
| 1978 | 0.26 ± 0.15 | 0.04 ± 0.03 | <.01 ± <.01 | 0.01 ± 0.01 | 0.12 ± 0.05 | 0.01 ± <.01 | 0.01 ± 0.01 | 0.14 ± 0.07 |
| 1979 | 0.18 ± 0.05 | 0.05 ± 0.03 | 0.03 ± 0.01 | <.01 ± <.01 | 0.17 ± 0.08 | 0.01 ± 0.01 | 0.01 ± <.01 | 0.11 ± 0.03 |
| 1980 | 0.16 ± 0.07 | 0.01 ± 0.01 | <.01 ± <.01 | 0.07 ± 0.03 | 0.27 ± 0.16 | 0.01 ± <.01 | 0.03 ± 0.02 | 0.07 ± 0.02 |
| 1981 | 0.04 ± 0.02 | 0.09 ± 0.08 | 0.02 ± 0.01 | 0.01 ± <.01 | 0.23 ± 0.09 | 0.01 ± 0.01 | 0.08 ± 0.04 | 0.05 ± 0.01 |
| 1982 | 0.19 ± 0.05 | 0.05 ± 0.02 | 0.03 ± 0.01 | 0.04 ± 0.02 | 0.25 ± 0.11 | 0.01 ± <.01 | 0.05 ± 0.01 | 0.11 ± 0.02 |
| 1983 | 0.06 ± 0.03 | 0.08 ± 0.04 | 0.02 ± 0.01 | 0.02 ± 0.01 | 0.12 ± 0.07 | 0.02 ± 0.01 | 0.03 ± 0.01 | 0.05 ± 0.01 |
| 1984 | 0.20 ± 0.07 | 0.06 ± 0.04 | 0.01 ± <.01 | 0.12 ± 0.06 | 0.09 ± 0.05 | 0.05 ± 0.03 | 0.03 ± 0.01 | 0.13 ± 0.03 |
| Sheepshead | | | | | | | | |
| 1975 | <.01 ± <.01 | 0.02 ± 0.02 | 0.01 ± 0.01 | 0.01 ± 0.01 | 0.02 ± 0.01 | 0.01 ± 0.01 | <.01 ± <.01 | 0.01 ± <.01 |
| 1976 | 0.02 ± 0.01 | 0.06 ± 0.05 | 0.01 ± <.01 | 0.03 ± 0.02 | 0.03 ± 0.02 | 0.01 ± <.01 | 0.02 ± 0.01 | 0.02 ± 0.01 |
| 1977 | 0.07 ± 0.05 | 0.04 ± 0.02 | 0.01 ± 0.01 | 0.02 ± 0.01 | 0.02 ± 0.01 | 0.01 ± 0.01 | 0.01 ± <.01 | 0.05 ± 0.03 |
| 1978 | 0.02 ± <.01 | 0.04 ± 0.02 | <.01 ± <.01 | <.01 ± <.01 | 0.02 ± 0.01 | <.01 ± <.01 | 0.01 ± <.01 | 0.01 ± <.01 |
| 1979 | 0.02 ± 0.01 | 0.02 ± 0.01 | 0.01 ± 0.01 | 0.02 ± 0.01 | 0.02 ± 0.01 | <.01 ± <.01 | 0.01 ± <.01 | 0.02 ± 0.01 |
| 1980 | 0.02 ± 0.01 | 0.02 ± 0.01 | 0.01 ± <.01 | 0.02 ± 0.01 | 0.01 ± <.01 | 0.01 ± 0.01 | 0.02 ± 0.01 | 0.01 ± <.01 |
| 1981 | 0.01 ± <.01 | 0.03 ± 0.02 | 0.02 ± 0.01 | 0.02 ± 0.01 | 0.01 ± <.01 | <.01 ± <.01 | <.01 ± <.01 | 0.01 ± <.01 |
| 1982 | 0.02 ± 0.01 | 0.01 ± 0.01 | <.01 ± <.01 | 0.01 ± <.01 | 0.01 ± 0.01 | <.01 ± <.01 | 0.01 ± <.01 | 0.01 ± <.01 |
| 1983 | 0.01 ± 0.01 | 0.01 ± <.01 | 0.01 ± <.01 | <.01 ± <.01 | <.01 ± <.01 | <.01 ± <.01 | <.01 ± <.01 | 0.01 ± <.01 |
| 1984 | 0.02 ± <.01 | 0.03 ± 0.02 | 0.01 ± <.01 | <.01 ± <.01 | <.01 ± 0.00 | 0.00 | <.01 ± <.01 | 0.01 ± <.01 |

Table D.10. (Cont'd.)

| Species | Bay system | | | | | | | Coastwide |
|--------------------------|-------------|-------------|-------------|-------------|----------------|--------------------|--------------------|-------------|
| | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | |
| Southern flounder | | | | | | | | |
| 1975 | 0.03 ± 0.03 | 0.04 ± 0.03 | 0.04 ± 0.02 | 0.10 ± 0.07 | <.01 ± <.01 | 0.19 ± 0.18 | 0.01 ± 0.01 | 0.04 ± 0.02 |
| 1976 | 0.03 ± 0.01 | 0.02 ± 0.01 | 0.04 ± 0.02 | 0.02 ± 0.01 | 0.04 ± 0.03 | 0.01 ± <.01 | 0.01 ± <.01 | 0.02 ± <.01 |
| 1977 | 0.02 ± 0.01 | 0.03 ± 0.01 | 0.03 ± 0.01 | 0.04 ± 0.02 | 0.02 ± 0.01 | 0.02 ± 0.01 | 0.02 ± 0.01 | 0.02 ± 0.01 |
| 1978 | 0.02 ± 0.01 | 0.04 ± 0.02 | 0.02 ± 0.01 | 0.02 ± 0.01 | 0.07 ± 0.05 | <.01 ± <.01 | 0.02 ± 0.01 | 0.02 ± 0.01 |
| 1979 | 0.02 ± 0.01 | 0.06 ± 0.03 | 0.02 ± 0.01 | 0.01 ± 0.01 | 0.06 ± 0.05 | 0.02 ± 0.01 | 0.04 ± 0.01 | 0.03 ± 0.01 |
| 1980 | 0.02 ± 0.01 | 0.02 ± 0.01 | 0.06 ± 0.03 | 0.03 ± 0.02 | 0.02 ± 0.01 | 0.02 ± 0.01 | 0.03 ± 0.01 | 0.02 ± 0.01 |
| 1981 | 0.01 ± 0.01 | 0.01 ± <.01 | 0.02 ± 0.01 | 0.02 ± 0.01 | 0.02 ± 0.01 | 0.01 ± <.01 | 0.02 ± <.01 | 0.01 ± <.01 |
| 1982 | 0.06 ± 0.03 | 0.01 ± 0.01 | 0.03 ± 0.01 | 0.06 ± 0.05 | 0.01 ± 0.01 | 0.02 ± 0.01 | 0.05 ± 0.01 | 0.04 ± 0.01 |
| 1983 | 0.04 ± 0.02 | 0.05 ± 0.01 | 0.02 ± 0.01 | 0.03 ± 0.03 | 0.02 ± 0.01 | 0.01 ± <.01 | 0.02 ± 0.01 | 0.03 ± 0.01 |
| 1984 | 0.03 ± 0.01 | 0.02 ± 0.01 | 0.03 ± 0.01 | 0.02 ± 0.01 | 0.02 ± 0.01 | 0.01 ± 0.01 | <.01 ± <.01 | 0.02 ± <.01 |
| Spotted seatrout | | | | | | | | |
| 1975 | 0.48 ± 0.35 | 0.43 ± 0.27 | 0.79 ± 0.41 | 0.86 ± 0.58 | 0.27 ± 0.17 | 0.32 ± 0.11 | 0.26 ± 0.14 | 0.47 ± 0.19 |
| 1976 | 0.08 ± 0.04 | 0.09 ± 0.04 | 0.44 ± 0.24 | 0.52 ± 0.17 | 0.50 ± 0.23 | 1.10 ± 0.91 | 0.44 ± 0.12 | 0.37 ± 0.13 |
| 1977 | 0.10 ± 0.04 | 0.30 ± 0.11 | 0.24 ± 0.09 | 0.44 ± 0.19 | 0.46 ± 0.18 | 0.32 ± 0.10 | 0.41 ± 0.14 | 0.21 ± 0.04 |
| 1978 | 0.12 ± 0.04 | 0.16 ± 0.06 | 0.10 ± 0.03 | 0.31 ± 0.13 | 0.26 ± 0.09 | 0.14 ± 0.04 | 0.28 ± 0.12 | 0.17 ± 0.03 |
| 1979 | 0.10 ± 0.03 | 0.11 ± 0.05 | 0.38 ± 0.13 | 0.47 ± 0.21 | 0.26 ± 0.08 | 0.29 ± 0.12 | 0.41 ± 0.09 | 0.21 ± 0.03 |
| 1980 | 0.07 ± 0.03 | 0.10 ± 0.04 | 0.35 ± 0.17 | 0.24 ± 0.10 | 0.23 ± 0.08 | 0.30 ± 0.07 | 0.42 ± 0.12 | 0.20 ± 0.03 |
| 1981 | 0.08 ± 0.03 | 0.29 ± 0.09 | 0.30 ± 0.08 | 0.25 ± 0.07 | 0.40 ± 0.07 | 0.22 ± 0.08 | 0.48 ± 0.10 | 0.20 ± 0.03 |
| 1982 | 0.14 ± 0.07 | 0.12 ± 0.04 | 0.20 ± 0.06 | 0.21 ± 0.09 | 0.25 ± 0.08 | 0.24 ± 0.05 | 0.41 ± 0.07 | 0.20 ± 0.03 |
| 1983 | 0.09 ± 0.05 | 0.17 ± 0.05 | 0.26 ± 0.10 | 0.18 ± 0.08 | 0.17 ± 0.10 | 0.27 ± 0.07 | 0.30 ± 0.05 | 0.17 ± 0.04 |
| 1984 | 0.04 ± 0.01 | 0.03 ± 0.01 | 0.04 ± 0.01 | 0.01 ± 0.01 | 0.02 ± 0.01 | 0.01 ± <.01 | 0.10 ± 0.04 | 0.04 ± 0.01 |
| Other species | | | | | | | | |
| 1975 | 0.02 ± 0.01 | 0.01 ± <.01 | 0.02 ± 0.01 | 0.01 ± 0.01 | 0.04 ± 0.02 | 0.01 ± 0.01 | 0.01 ± <.01 | 0.01 ± <.01 |
| 1976 | 0.03 ± 0.01 | 0.02 ± 0.02 | 0.02 ± 0.01 | 0.02 ± 0.01 | 0.04 ± 0.02 | 0.01 ± 0.01 | 0.01 ± 0.01 | 0.02 ± <.01 |
| 1977 | 0.01 ± <.01 | 0.05 ± 0.03 | 0.02 ± 0.01 | 0.01 ± 0.01 | 0.01 ± 0.01 | 0.03 ± 0.02 | 0.01 ± <.01 | 0.01 ± 0.01 |
| 1978 | 0.03 ± 0.01 | 0.03 ± 0.01 | 0.01 ± <.01 | 0.01 ± <.01 | 0.01 ± 0.01 | <.01 ± <.01 | <.01 ± <.01 | 0.02 ± <.01 |
| 1979 | 0.07 ± 0.02 | 0.02 ± 0.01 | 0.01 ± <.01 | 0.01 ± 0.01 | 0.05 ± 0.02 | 0.01 ± <.01 | 0.01 ± <.01 | 0.04 ± 0.01 |
| 1980 | 0.08 ± 0.03 | 0.02 ± 0.01 | 0.01 ± 0.01 | 0.01 ± 0.01 | 0.09 ± 0.05 | 0.03 ± 0.02 | <.01 ± <.01 | 0.04 ± 0.01 |
| 1981 | 0.03 ± 0.01 | 0.03 ± 0.01 | 0.01 ± 0.01 | 0.01 ± <.01 | 0.05 ± 0.01 | 0.01 ± <.01 | 0.02 ± 0.01 | 0.02 ± 0.01 |
| 1982 | 0.04 ± 0.01 | 0.03 ± 0.01 | 0.02 ± 0.01 | 0.02 ± 0.01 | 0.06 ± 0.01 | 0.02 ± 0.01 | 0.02 ± 0.01 | 0.03 ± 0.01 |
| 1983 | 0.01 | 0.03 | 0.05 | 0.03 | 0.04 | 0.01 | 0.02 | 0.02 |
| 1984 | 0.04 | 0.02 | 0.03 | 0.03 | <.01 ± <.01 | 0.01 | 0.02 | 0.03 |

Table D.10. (Cont'd.)

| Species Year | Bay system | | | | | | | Coastwide |
|-----------------------------------|-------------|-------------|----------------|-------------|-------------------|--------------------------|--------------------------|-------------|
| | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | |
| All species combined ^a | | | | | | | | |
| 1975 | 1.46 ± 1.06 | 0.68 ± 0.39 | 1.03 ± 0.48 | 1.10 ± 0.68 | 0.88 ± 0.47 | 0.89 ± 0.33 | 0.41 ± 0.23 | 1.01 ± 0.47 |
| 1976 | 1.32 ± 0.43 | 0.55 ± 0.24 | 0.78 ± 0.40 | 0.84 ± 0.29 | 1.12 ± 0.38 | 1.33 ± 0.93 | 0.58 ± 0.14 | 1.02 ± 0.21 |
| 1977 | 0.82 ± 0.27 | 0.67 ± 0.25 | 0.38 ± 0.12 | 0.66 ± 0.23 | 0.87 ± 0.25 | 0.58 ± 0.19 | 0.60 ± 0.19 | 0.73 ± 0.15 |
| 1978 | 0.75 ± 0.21 | 0.48 ± 0.16 | 0.19 ± 0.04 | 0.37 ± 0.14 | 0.60 ± 0.18 | 0.43 ± 0.16 | 0.35 ± 0.15 | 0.57 ± 0.10 |
| 1979 | 0.80 ± 0.21 | 0.38 ± 0.13 | 0.54 ± 0.17 | 0.62 ± 0.24 | 0.66 ± 0.20 | 0.37 ± 0.14 | 0.50 ± 0.11 | 0.64 ± 0.10 |
| 1980 | 0.64 ± 0.19 | 0.35 ± 0.12 | 0.49 ± 0.19 | 0.41 ± 0.16 | 0.85 ± 0.33 | 0.44 ± 0.09 | 0.58 ± 0.16 | 0.52 ± 0.07 |
| 1981 | 0.31 ± 0.11 | 0.55 ± 0.16 | 0.42 ± 0.11 | 0.33 ± 0.09 | 1.00 ± 0.25 | 0.32 ± 0.10 | 0.64 ± 0.13 | 0.41 ± 0.06 |
| 1982 | 0.62 ± 0.13 | 0.32 ± 0.08 | 0.33 ± 0.08 | 0.42 ± 0.16 | 0.70 ± 0.18 | 0.38 ± 0.09 | 0.58 ± 0.09 | 0.51 ± 0.06 |
| 1983 | 0.30 ± 0.14 | 0.46 ± 0.11 | 0.50 ± 0.17 | 0.36 ± 0.15 | 0.42 ± 0.23 | 0.39 ± 0.08 | 0.45 ± 0.07 | 0.38 ± 0.08 |
| 1984 | 0.51 ± 0.13 | 0.18 ± 0.05 | 0.15 ± 0.03 | 0.26 ± 0.10 | 0.20 ± 0.06 | 0.10 ± 0.04 | 0.21 ± 0.06 | 0.35 ± 0.06 |

^aDue to rounding of numbers, these totals may not exactly equal individual species totals.

Table D.11. Mean catch rates of fishes (No./man-h) \pm 1 SE caught by private-boat fishermen in Texas bays and passes during the high-use season weekdays by species and bay system (1974-1984).

| Species | Bay system | | | | | | | |
|----------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|--------------------|--------------------|-----------------|
| | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | Coastwide |
| Atlantic croaker | | | | | | | | |
| 1974-75 | 0.29 \pm 0.25 | 0.02 \pm 0.02 | 0.05 \pm 0.03 | <.01 \pm <.01 | 0.05 \pm 0.05 | 0.18 \pm 0.09 | 0.01 \pm 0.01 | 0.19 \pm 0.15 |
| 1976 | 0.66 | 0.06 | <.01 | 0.02 | 0.13 | 0.11 | 0.03 | 0.25 |
| 1977 | 0.51 | 0.07 | 0.01 | 0.02 | 0.11 | 0.20 | 0.03 | 0.31 |
| 1978 | 0.32 | 0.06 | 0.01 | 0.01 | 0.09 | 0.31 | 0.02 | 0.19 |
| 1979 | 0.01 \pm 0.01 | 0.00 | <.01 \pm <.01 | 0.00 | 0.01 \pm 0.01 | 0.67 \pm 0.40 | 0.00 | 0.07 \pm 0.05 |
| 1980 | 0.22 \pm 0.17 | 0.15 \pm 0.13 | 0.02 \pm 0.01 | 0.01 \pm 0.01 | 0.27 \pm 0.27 | 0.10 \pm 0.05 | 0.03 \pm 0.01 | 0.20 \pm 0.11 |
| 1981 | 0.14 \pm 0.05 | 0.01 \pm 0.01 | 0.01 \pm <.01 | 0.01 \pm <.01 | 0.12 \pm 0.05 | 0.02 \pm 0.01 | 0.01 \pm <.01 | 0.08 \pm 0.02 |
| 1982 | 0.15 \pm 0.04 | 0.02 \pm 0.01 | <.01 \pm <.01 | 0.01 \pm <.01 | 0.12 \pm 0.05 | 0.02 \pm 0.01 | 0.01 \pm <.01 | 0.08 \pm 0.02 |
| 1983 | 0.16 \pm 0.06 | 0.02 \pm 0.01 | 0.01 \pm <.01 | 0.09 \pm 0.03 | 0.07 \pm 0.03 | 0.02 \pm 0.01 | 0.01 \pm <.01 | 0.08 \pm 0.02 |
| 1984 | 0.19 \pm 0.06 | 0.02 \pm 0.01 | <.01 \pm <.01 | 0.02 \pm 0.01 | 0.04 \pm 0.02 | 0.01 \pm 0.01 | 0.01 \pm <.01 | 0.09 \pm 0.02 |
| Black drum | | | | | | | | |
| 1974-75 | 0.00 | 0.09 \pm 0.09 | 0.01 \pm 0.01 | 0.10 \pm 0.10 | 0.14 \pm 0.10 | 0.02 \pm 0.01 | 0.07 \pm 0.06 | 0.03 \pm 0.01 |
| 1976 | 0.10 | 0.04 | 0.20 | 0.02 | 0.03 | 0.06 | 0.01 | 0.07 |
| 1977 | 0.07 | 0.08 | 0.01 | 0.02 | 0.02 | 0.02 | 0.01 | 0.05 |
| 1978 | 0.04 | 0.05 | 0.02 | <.01 | 0.01 | 0.01 | 0.07 | 0.04 |
| 1979 | <.01 \pm <.01 | 0.03 \pm 0.03 | <.01 \pm <.01 | 0.00 | 0.00 | 0.00 | 0.01 \pm 0.01 | <.01 \pm <.01 |
| 1980 | 0.02 \pm 0.01 | 0.03 \pm 0.03 | 0.01 \pm <.01 | 0.02 \pm 0.01 | 0.01 \pm <.01 | 0.02 \pm 0.02 | 0.02 \pm 0.01 | 0.02 \pm 0.01 |
| 1981 | 0.05 \pm 0.02 | 0.05 \pm 0.02 | 0.07 \pm 0.06 | 0.04 \pm 0.02 | 0.04 \pm 0.02 | <.01 \pm <.01 | 0.01 \pm <.01 | 0.04 \pm 0.01 |
| 1982 | 0.04 \pm 0.02 | 0.07 \pm 0.02 | <.01 \pm <.01 | 0.02 \pm 0.01 | 0.03 \pm 0.02 | 0.01 \pm <.01 | 0.01 \pm <.01 | 0.03 \pm 0.01 |
| 1983 | 0.03 \pm 0.01 | 0.04 \pm 0.02 | 0.01 \pm <.01 | 0.01 \pm <.01 | 0.01 \pm <.01 | <.01 \pm <.01 | <.01 \pm <.01 | 0.02 \pm <.01 |
| 1984 | 0.02 \pm 0.01 | 0.04 \pm 0.02 | <.01 \pm <.01 | <.01 \pm <.01 | <.01 \pm <.01 | <.01 \pm <.01 | 0.01 \pm <.01 | 0.02 \pm <.01 |
| Gafftopsail catfish | | | | | | | | |
| 1974-75 | 0.02 \pm 0.02 | 0.00 | 0.01 \pm 0.01 | 0.04 \pm 0.04 | 0.00 | 0.00 | 0.00 | 0.02 \pm 0.01 |
| 1976 | 0.02 | 0.15 | 0.01 | 0.01 | 0.03 | 0.00 | <.01 | 0.03 |
| 1977 | <.01 | 0.08 | 0.03 | <.01 | 0.01 | 0.00 | 0.00 | 0.01 |
| 1978 | <.01 | 0.07 | 0.02 | 0.01 | 0.02 | <.01 | <.01 | 0.01 |
| 1979 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1980 | <.01 \pm <.01 | 0.00 | <.01 \pm <.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1981 | <.01 \pm <.01 | 0.01 \pm 0.01 | 0.01 \pm <.01 | <.01 \pm <.01 | 0.01 \pm 0.01 | 0.00 | 0.00 | <.01 \pm <.01 |
| 1982 | 0.01 \pm <.01 | 0.01 \pm <.01 | 0.01 \pm <.01 | <.01 \pm <.01 | 0.02 \pm 0.01 | 0.00 | 0.00 | <.01 \pm <.01 |
| 1983 | <.01 \pm <.01 | <.01 \pm <.01 | 0.01 \pm <.01 | <.01 \pm <.01 | 0.01 \pm 0.01 | 0.00 | <.01 \pm <.01 | <.01 \pm <.01 |
| 1984 | <.01 \pm <.00 | 0.01 \pm 0.01 | 0.03 \pm 0.02 | 0.01 \pm <.01 | <.01 \pm <.01 | <.01 \pm <.01 | 0.00 | <.01 \pm <.01 |

Table D.11. (Cont'd.)

| Species | Bay system | | | | | | | Coastwide |
|----------------------|-------------|-------------|-------------|-------------|----------------|--------------------|--------------------|-------------|
| | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | |
| Red drum | | | | | | | | |
| 1974-75 | 0.05 ± 0.05 | 0.06 ± 0.06 | 0.09 ± 0.04 | 0.02 ± 0.02 | 0.09 ± 0.09 | 0.01 ± 0.01 | 0.14 ± 0.08 | 0.06 ± 0.04 |
| 1976 | 0.03 | 0.04 | 0.11 | 0.04 | 0.08 | 0.02 | 0.04 | 0.04 |
| 1977 | 0.04 | 0.02 | 0.02 | 0.05 | 0.03 | 0.02 | 0.04 | 0.04 |
| 1978 | 0.02 | 0.03 | 0.01 | 0.01 | 0.03 | 0.02 | 0.02 | 0.02 |
| 1979 | 0.04 ± 0.04 | 0.00 | 0.08 ± 0.05 | 0.00 | 0.00 | 0.01 ± 0.01 | 0.18 ± 0.13 | 0.04 ± 0.02 |
| 1980 | 0.05 ± 0.02 | 0.04 ± 0.03 | 0.08 ± 0.02 | 0.05 ± 0.02 | 0.02 ± 0.01 | 0.05 ± 0.01 | 0.05 ± 0.03 | 0.04 ± 0.01 |
| 1981 | 0.02 ± 0.01 | 0.04 ± 0.02 | 0.08 ± 0.04 | 0.03 ± 0.01 | 0.04 ± 0.01 | 0.03 ± 0.02 | 0.02 ± 0.01 | 0.03 ± 0.01 |
| 1982 | 0.01 ± <.01 | 0.05 ± 0.01 | 0.06 ± 0.01 | 0.06 ± 0.02 | 0.03 ± 0.01 | 0.03 ± 0.01 | 0.04 ± 0.01 | 0.03 ± <.01 |
| 1983 | 0.03 ± 0.01 | 0.08 ± 0.03 | 0.11 ± 0.03 | 0.07 ± 0.02 | 0.03 ± 0.01 | 0.02 ± <.01 | 0.07 ± 0.02 | 0.04 ± 0.01 |
| 1984 | 0.01 ± <.01 | 0.02 ± 0.01 | 0.02 ± 0.01 | 0.04 ± 0.02 | 0.03 ± 0.01 | 0.02 ± 0.01 | 0.05 ± 0.01 | 0.02 ± <.01 |
| Sand seatrout | | | | | | | | |
| 1974-75 | 0.05 ± 0.03 | 0.30 ± 0.30 | 0.04 ± 0.04 | <.01 ± <.01 | 0.88 ± 0.57 | 0.22 ± 0.21 | 0.00 | 0.09 ± 0.04 |
| 1976 | 0.85 | 0.13 | <.01 | 0.25 | 0.53 | 0.09 | 0.05 | 0.37 |
| 1977 | 0.21 | 0.09 | 0.01 | 0.07 | 0.38 | 0.03 | 0.17 | 0.17 |
| 1978 | 0.42 | 0.07 | <.01 | 0.02 | 0.20 | 0.01 | 0.02 | 0.22 |
| 1979 | 0.24 ± 0.24 | 0.00 | 0.03 ± 0.03 | 0.00 | 0.26 ± 0.24 | 0.13 ± 0.11 | 0.09 ± 0.08 | 0.19 ± 0.14 |
| 1980 | 0.21 ± 0.10 | 0.10 ± 0.08 | 0.01 ± 0.01 | 0.01 ± <.01 | 0.83 ± 0.77 | 0.03 ± 0.02 | 0.03 ± 0.02 | 0.31 ± 0.18 |
| 1981 | 0.17 ± 0.07 | 0.11 ± 0.05 | 0.01 ± <.01 | 0.03 ± 0.02 | 0.17 ± 0.08 | 0.03 ± 0.03 | 0.06 ± 0.02 | 0.12 ± 0.03 |
| 1982 | 0.19 ± 0.06 | 0.08 ± 0.03 | 0.02 ± 0.01 | 0.05 ± 0.02 | 0.41 ± 0.13 | 0.02 ± 0.01 | 0.02 ± 0.01 | 0.12 ± 0.03 |
| 1983 | 0.16 ± 0.11 | 0.05 ± 0.02 | 0.01 ± 0.01 | 0.12 ± 0.06 | 0.16 ± 0.08 | 0.01 ± <.01 | 0.02 ± <.01 | 0.10 ± 0.04 |
| 1984 | 0.30 ± 0.15 | 0.01 ± <.01 | 0.03 ± 0.02 | 0.06 ± 0.03 | 0.07 ± 0.04 | 0.01 ± 0.01 | 0.04 ± 0.02 | 0.14 ± 0.06 |
| Sheepshead | | | | | | | | |
| 1974-75 | 0.01 ± 0.01 | 0.04 ± 0.04 | 0.01 ± <.01 | 0.00 | 0.02 ± 0.02 | 0.02 ± 0.02 | 0.00 | 0.01 ± <.01 |
| 1976 | 0.03 | 0.09 | 0.01 | 0.04 | 0.04 | 0.01 | 0.02 | 0.03 |
| 1977 | 0.12 | 0.07 | 0.02 | 0.03 | 0.03 | 0.01 | 0.01 | 0.08 |
| 1978 | 0.02 | 0.06 | <.01 | 0.01 | 0.03 | <.01 | 0.01 | 0.02 |
| 1979 | 0.03 ± 0.03 | 0.03 ± 0.03 | 0.03 ± 0.03 | 0.00 | 0.00 | 0.00 | 0.14 ± 0.11 | 0.03 ± 0.02 |
| 1980 | 0.02 ± 0.01 | 0.01 ± 0.01 | 0.01 ± <.01 | 0.03 ± 0.02 | 0.03 ± 0.02 | 0.01 ± <.01 | 0.04 ± 0.03 | 0.02 ± 0.01 |
| 1981 | 0.04 ± 0.01 | 0.04 ± 0.02 | 0.02 ± 0.01 | 0.05 ± 0.02 | 0.03 ± 0.01 | <.01 ± <.01 | <.01 ± <.01 | 0.03 ± 0.01 |
| 1982 | 0.03 ± 0.01 | 0.07 ± 0.06 | 0.01 ± <.01 | 0.01 ± 0.01 | 0.02 ± 0.01 | 0.01 ± <.01 | 0.01 ± 0.01 | 0.03 ± 0.01 |
| 1983 | 0.03 ± 0.01 | 0.01 ± 0.01 | 0.01 ± <.01 | 0.01 ± <.01 | 0.01 ± <.01 | <.01 ± <.01 | 0.01 ± <.01 | 0.02 ± <.01 |
| 1984 | 0.03 ± 0.02 | 0.04 ± 0.03 | 0.01 ± <.01 | <.01 ± <.01 | 0.01 ± 0.01 | 0.00 | 0.01 ± <.01 | 0.02 ± 0.01 |

Table D.11. (Cont'd.)

| Species | Bay system | | | | | | | |
|--------------------------|-------------|-------------|-------------|-------------|----------------|--------------------|--------------------|-------------|
| | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | Coastwide |
| Southern flounder | | | | | | | | |
| 1974-75 | 0.02 ± 0.02 | 0.01 ± 0.01 | 0.03 ± 0.02 | 0.01 ± 0.01 | 0.00 | 0.05 ± 0.03 | 0.00 | 0.02 ± 0.01 |
| 1976 | 0.04 | 0.03 | 0.04 | 0.03 | 0.04 | 0.01 | 0.01 | 0.03 |
| 1977 | 0.02 | 0.04 | 0.04 | 0.05 | 0.02 | 0.02 | 0.02 | 0.03 |
| 1978 | 0.02 | 0.04 | 0.02 | 0.02 | 0.08 | <.01 | 0.02 | 0.03 |
| 1979 | 0.33 ± 0.33 | 0.00 | 0.08 ± 0.04 | 0.00 | 0.00 | 0.08 ± 0.03 | 0.05 ± 0.05 | 0.18 ± 0.15 |
| 1980 | 0.03 ± 0.01 | 0.04 ± 0.03 | 0.04 ± 0.02 | 0.05 ± 0.04 | 0.12 ± 0.09 | 0.01 ± 0.01 | 0.03 ± 0.02 | 0.05 ± 0.02 |
| 1981 | 0.02 ± 0.01 | 0.06 ± 0.05 | 0.02 ± 0.01 | 0.04 ± 0.02 | 0.15 ± 0.08 | 0.02 ± 0.01 | 0.05 ± 0.02 | 0.04 ± 0.01 |
| 1982 | 0.06 ± 0.02 | 0.03 ± 0.02 | 0.02 ± <.01 | 0.03 ± 0.01 | 0.03 ± 0.01 | 0.02 ± 0.01 | 0.07 ± 0.02 | 0.04 ± 0.01 |
| 1983 | 0.06 ± 0.02 | 0.03 ± 0.01 | 0.01 ± <.01 | 0.03 ± 0.01 | 0.04 ± 0.02 | 0.01 ± <.01 | 0.03 ± 0.01 | 0.04 ± 0.01 |
| 1984 | 0.04 ± 0.01 | 0.06 ± 0.02 | 0.01 ± <.01 | 0.04 ± 0.02 | 0.08 ± 0.03 | 0.01 ± 0.01 | <.01 ± <.01 | 0.04 ± 0.01 |
| Spotted seatrout | | | | | | | | |
| 1974-75 | 0.15 ± 0.09 | 0.48 ± 0.48 | 0.68 ± 0.31 | 3.19 ± 2.33 | 0.43 ± 0.43 | 0.54 ± 0.29 | 0.45 ± 0.24 | 0.49 ± 0.21 |
| 1976 | 0.22 | 0.09 | 0.45 | 1.44 | 1.22 | 1.14 | 0.72 | 0.62 |
| 1977 | 0.26 | 0.31 | 0.25 | 1.23 | 1.27 | 0.33 | 0.69 | 0.43 |
| 1978 | 0.34 | 0.16 | 0.11 | 0.87 | 0.71 | 0.14 | 0.47 | 0.36 |
| 1979 | 0.03 ± 0.03 | 0.10 ± 0.10 | 1.18 ± 0.80 | 1.15 ± 1.15 | 0.04 ± 0.04 | 0.17 ± 0.14 | 0.69 ± 0.51 | 0.17 ± 0.09 |
| 1980 | 0.58 ± 0.32 | 0.18 ± 0.13 | 0.37 ± 0.11 | 0.54 ± 0.21 | 0.13 ± 0.07 | 0.36 ± 0.11 | 0.53 ± 0.30 | 0.42 ± 0.17 |
| 1981 | 0.36 ± 0.13 | 0.37 ± 0.12 | 0.45 ± 0.10 | 0.52 ± 0.19 | 0.44 ± 0.15 | 0.25 ± 0.10 | 0.52 ± 0.10 | 0.38 ± 0.07 |
| 1982 | 0.19 ± 0.05 | 0.37 ± 0.09 | 0.35 ± 0.09 | 0.32 ± 0.09 | 0.43 ± 0.13 | 0.35 ± 0.08 | 0.59 ± 0.10 | 0.31 ± 0.03 |
| 1983 | 0.21 ± 0.06 | 0.32 ± 0.10 | 0.43 ± 0.16 | 0.30 ± 0.10 | 0.23 ± 0.10 | 0.29 ± 0.07 | 0.48 ± 0.10 | 0.29 ± 0.04 |
| 1984 | 0.11 ± 0.02 | 0.04 ± 0.01 | 0.02 ± 0.01 | 0.05 ± 0.02 | 0.05 ± 0.03 | 0.04 ± 0.03 | 0.21 ± 0.04 | 0.09 ± 0.01 |
| Other species | | | | | | | | |
| 1974-75 | <.01 ± <.01 | 0.04 ± 0.04 | 0.03 ± 0.02 | 0.02 ± 0.01 | 0.16 ± 0.12 | 0.04 ± 0.03 | 0.10 ± 0.09 | 0.03 ± 0.01 |
| 1976 | 0.05 | 0.01 | 0.01 | 0.01 | 0.06 | 0.01 | 0.02 | 0.03 |
| 1977 | 0.02 | 0.03 | 0.01 | 0.01 | 0.02 | 0.02 | 0.01 | 0.02 |
| 1978 | 0.05 | 0.02 | 0.01 | <.01 | 0.01 | <.01 | 0.01 | 0.03 |
| 1979 | 0.03 ± 0.03 | 0.00 | 0.03 ± 0.02 | 0.00 | 0.04 ± 0.04 | 0.33 ± 0.31 | 0.04 ± 0.04 | 0.06 ± 0.04 |
| 1980 | 0.03 ± 0.01 | 0.03 ± 0.03 | 0.01 ± 0.01 | <.01 ± <.01 | 0.11 ± 0.08 | 0.02 ± 0.01 | <.01 ± <.01 | 0.04 ± 0.02 |
| 1981 | 0.04 ± 0.02 | 0.02 ± 0.01 | 0.02 ± 0.02 | 0.02 ± 0.01 | 0.06 ± 0.02 | 0.01 ± <.01 | 0.01 ± <.01 | 0.03 ± 0.01 |
| 1982 | 0.06 ± 0.02 | 0.02 ± 0.01 | 0.01 ± <.01 | 0.03 ± 0.01 | 0.11 ± 0.04 | 0.01 ± <.01 | 0.01 ± <.01 | 0.04 ± 0.01 |
| 1983 | 0.04 | 0.01 ± <.01 | 0.03 | 0.11 | 0.03 | 0.01 | 0.01 | 0.04 |
| 1984 | 0.03 | 0.02 | 0.02 | 0.03 | 0.03 | <.01 ± <.01 | 0.02 | 0.02 |

Table D.11. (Cont'd.)

| Species Year | Bay system | | | | | | | Coastwide |
|-----------------------------------|-------------|-------------|-------------|-------------|----------------|--------------------|--------------------|-------------|
| | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | |
| All species combined ^a | | | | | | | | |
| 1974-75 | 0.59 ± 0.40 | 1.05 ± 1.05 | 0.95 ± 0.39 | 3.40 ± 2.39 | 1.77 ± 1.13 | 1.06 ± 0.53 | 0.77 ± 0.23 | 0.94 ± 0.36 |
| 1976 | 1.99 | 0.63 | 0.84 | 1.87 | 2.17 | 1.45 | 0.91 | 1.47 |
| 1977 | 1.25 | 0.78 | 0.41 | 1.48 | 1.89 | 0.65 | 0.98 | 1.13 |
| 1978 | 1.24 | 0.56 | 0.20 | 0.94 | 1.20 | 0.50 | 0.63 | 0.93 |
| 1979 | 0.70 ± 0.69 | 0.16 ± 0.16 | 1.43 ± 0.80 | 1.15 ± 1.15 | 0.35 ± 0.33 | 1.39 ± 0.74 | 1.21 ± 0.87 | 0.75 ± 0.45 |
| 1980 | 1.16 ± 0.51 | 0.57 ± 0.44 | 0.55 ± 0.15 | 0.71 ± 0.24 | 1.51 ± 1.25 | 0.60 ± 0.17 | 0.73 ± 0.40 | 1.10 ± 0.39 |
| 1981 | 0.83 ± 0.26 | 0.72 ± 0.22 | 0.68 ± 0.16 | 0.74 ± 0.23 | 1.05 ± 0.33 | 0.36 ± 0.14 | 0.68 ± 0.12 | 0.73 ± 0.13 |
| 1982 | 0.74 ± 0.17 | 0.73 ± 0.18 | 0.50 ± 0.12 | 0.53 ± 0.14 | 1.19 ± 0.28 | 0.46 ± 0.10 | 0.76 ± 0.13 | 0.69 ± 0.08 |
| 1983 | 0.71 ± 0.19 | 0.58 ± 0.14 | 0.63 ± 0.19 | 0.76 ± 0.18 | 0.60 ± 0.22 | 0.37 ± 0.08 | 0.64 ± 0.12 | 0.61 ± 0.08 |
| 1984 | 0.74 ± 0.20 | 0.28 ± 0.08 | 0.14 ± 0.04 | 0.26 ± 0.08 | 0.33 ± 0.10 | 0.09 ± 0.04 | 0.34 ± 0.06 | 0.46 ± 0.08 |

^aDue to rounding of numbers, these totals may not exactly equal individual species totals.

Table D.12. Mean catch rates of fishes (No./man-h) \pm 1 SE caught by private-boat fishermen in Texas bays and passes during the low-use season weekends by species and bay system (1974-1985).

| Species | Bay system | | | | | | | Coastwide |
|----------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|--------------------|--------------------|-----------------|
| | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | |
| Atlantic croaker | | | | | | | | |
| 1974-76 | 0.22 \pm 0.15 | 0.02 \pm 0.02 | <.01 \pm <.01 | <.01 \pm <.01 | 0.11 \pm 0.09 | 0.01 \pm <.01 | 0.01 \pm <.01 | 0.10 \pm 0.05 |
| 1976-77 | 0.03 \pm 0.03 | 0.05 \pm 0.05 | 0.01 \pm 0.01 | 0.00 | 0.02 \pm 0.02 | 0.01 \pm 0.01 | 0.01 \pm 0.01 | 0.02 \pm 0.01 |
| 1977-78 | 0.02 \pm 0.01 | 0.01 \pm 0.01 | 0.00 | 0.00 | 0.02 \pm 0.02 | 0.01 \pm 0.01 | <.01 \pm <.01 | 0.01 \pm <.01 |
| 1978-79 | 0.01 \pm 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | <.01 | <.01 \pm <.01 | 0.01 \pm <.01 |
| 1979-80 | 0.05 \pm 0.05 | 0.03 \pm 0.02 | 0.01 \pm 0.01 | <.01 \pm <.01 | 0.06 \pm 0.05 | <.01 \pm <.01 | <.01 \pm <.01 | 0.03 \pm 0.02 |
| 1980-81 | <.01 \pm <.01 | 0.01 \pm 0.01 | 0.00 | 0.00 | 0.01 \pm 0.01 | 0.01 \pm 0.01 | 0.01 \pm <.01 | <.01 \pm <.01 |
| 1981-82 | <.01 \pm <.01 | <.01 \pm <.01 | 0.00 | 0.00 | 0.01 \pm <.01 | 0.03 \pm 0.02 | 0.01 \pm 0.01 | 0.01 \pm <.01 |
| 1982-83 | 0.02 \pm 0.01 | 0.04 \pm 0.03 | <.01 \pm <.01 | 0.00 | <.01 \pm <.01 | <.01 \pm <.01 | 0.01 \pm 0.01 | 0.01 \pm 0.01 |
| 1983-84 | <.01 \pm <.01 | 0.00 | 0.00 | 0.74 \pm 0.74 | 0.00 | 0.00 | 0.00 | 0.03 \pm 0.02 |
| 1984-85 | 0.04 \pm 0.03 | 0.01 \pm 0.01 | 0.00 | 0.00 | <.01 \pm <.01 | 0.01 \pm 0.01 | 0.01 \pm 0.01 | 0.01 \pm 0.01 |
| Black drum | | | | | | | | |
| 1974-76 | 0.03 \pm 0.02 | 0.03 \pm 0.03 | <.01 \pm <.01 | 0.01 \pm 0.01 | 0.02 \pm 0.01 | 0.03 \pm 0.02 | 0.01 \pm 0.01 | 0.03 \pm 0.01 |
| 1976-77 | 0.01 \pm <.01 | 0.04 \pm 0.03 | 0.03 \pm 0.02 | 0.01 \pm 0.01 | 0.02 \pm 0.01 | 0.01 \pm 0.01 | 0.02 \pm 0.01 | 0.02 \pm 0.01 |
| 1977-78 | 0.03 \pm 0.01 | 0.02 \pm 0.01 | 0.05 \pm 0.03 | 0.02 \pm 0.01 | 0.04 \pm 0.04 | 0.02 \pm 0.01 | 0.03 \pm 0.01 | 0.03 \pm 0.01 |
| 1978-79 | 0.10 \pm 0.08 | <.01 \pm <.01 | 0.03 \pm 0.01 | 0.01 \pm 0.01 | 0.01 \pm 0.01 | 0.03 \pm 0.01 | 0.03 \pm 0.02 | 0.05 \pm 0.03 |
| 1979-80 | <.01 \pm <.01 | 0.06 \pm 0.06 | 0.02 \pm 0.01 | 0.00 | 0.03 \pm 0.02 | 0.01 \pm 0.01 | 0.03 \pm 0.01 | 0.02 \pm 0.01 |
| 1980-81 | 0.10 \pm 0.09 | 0.09 \pm 0.09 | 0.01 \pm 0.01 | <.01 \pm <.01 | 0.02 \pm 0.01 | <.01 \pm <.01 | 0.01 \pm <.01 | 0.05 \pm 0.03 |
| 1981-82 | 0.01 \pm <.01 | 0.05 \pm 0.03 | 0.05 \pm 0.04 | 0.03 \pm 0.02 | 0.01 \pm 0.01 | 0.04 \pm 0.03 | 0.03 \pm 0.02 | 0.02 \pm 0.01 |
| 1982-83 | 0.03 \pm 0.03 | 0.02 \pm 0.01 | 0.03 \pm 0.02 | <.01 \pm <.01 | 0.02 \pm 0.01 | 0.01 \pm 0.01 | 0.03 \pm 0.01 | 0.02 \pm 0.01 |
| 1983-84 | 0.03 \pm 0.02 | 0.03 \pm 0.02 | 0.02 \pm 0.01 | 0.03 \pm 0.03 | 0.03 \pm 0.03 | <.01 \pm <.01 | 0.04 \pm 0.03 | 0.03 \pm 0.01 |
| 1984-85 | <.01 \pm <.01 | 0.02 \pm 0.01 | 0.04 \pm 0.02 | 0.00 | 0.01 \pm 0.01 | <.01 \pm <.01 | <.01 \pm <.01 | 0.01 \pm <.01 |
| Gafftopsail catfish | | | | | | | | |
| 1974-76 | <.01 \pm <.01 | 0.03 \pm 0.03 | 0.03 \pm 0.01 | 0.00 | 0.06 \pm 0.06 | 0.00 | 0.00 | 0.01 \pm <.01 |
| 1976-77 | 0.02 \pm 0.02 | 0.01 \pm 0.01 | 0.04 \pm 0.03 | <.01 \pm <.01 | 0.03 \pm 0.02 | 0.00 | 0.00 | 0.01 \pm 0.01 |
| 1977-78 | 0.01 \pm <.01 | 0.03 \pm 0.02 | 0.01 \pm 0.01 | 0.01 \pm 0.01 | <.01 \pm <.01 | 0.00 | 0.00 | 0.01 \pm <.01 |
| 1978-79 | 0.05 \pm 0.04 | <.01 \pm <.01 | 0.01 \pm 0.01 | 0.04 \pm 0.03 | 0.02 \pm 0.01 | 0.00 | 0.00 | 0.03 \pm 0.01 |
| 1979-80 | 0.00 | 0.00 | 0.01 \pm 0.01 | <.01 \pm <.01 | 0.01 \pm 0.01 | 0.00 | 0.00 | <.01 \pm <.01 |
| 1980-81 | 0.00 | 0.01 \pm 0.01 | <.01 \pm <.01 | <.01 \pm <.01 | 0.01 \pm 0.01 | 0.00 | 0.00 | <.01 \pm <.01 |
| 1981-82 | 0.00 | <.01 \pm <.01 | 0.00 | 0.01 \pm 0.01 | 0.00 | <.01 \pm <.01 | 0.00 | <.01 \pm <.01 |
| 1982-83 | 0.00 | 0.00 | 0.03 \pm 0.03 | <.01 \pm <.01 | 0.02 \pm 0.01 | 0.00 | 0.00 | 0.01 \pm <.01 |
| 1983-84 | <.01 \pm <.01 | 0.00 | 0.02 \pm 0.02 | 0.00 | <.01 \pm <.01 | 0.00 | 0.00 | <.01 \pm <.01 |
| 1984-85 | 0.00 | 0.01 \pm <.01 | 0.01 \pm 0.01 | 0.00 | <.01 \pm <.01 | 0.00 | 0.00 | <.01 \pm <.01 |

Table D.12. (Cont'd.)

| Species | Bay system | | | | | | | Coastwide |
|----------------------|-------------|-------------|-------------|-------------|----------------|--------------------|--------------------|-------------|
| | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | |
| Red drum | | | | | | | | |
| 1974-76 | 0.03 ± 0.02 | 0.12 ± 0.09 | 0.11 ± 0.05 | 0.03 ± 0.02 | 0.04 ± 0.03 | 0.03 ± 0.01 | 0.03 ± 0.02 | 0.04 ± 0.01 |
| 1976-77 | 0.01 ± 0.01 | 0.04 ± 0.02 | 0.02 ± 0.01 | 0.02 ± 0.01 | 0.01 ± <.01 | 0.03 ± 0.02 | 0.01 ± 0.01 | 0.02 ± 0.01 |
| 1977-78 | 0.01 ± 0.01 | 0.03 ± 0.02 | 0.13 ± 0.04 | 0.09 ± 0.05 | 0.01 ± 0.01 | 0.01 ± <.01 | 0.03 ± 0.01 | 0.03 ± 0.01 |
| 1978-79 | 0.01 ± <.01 | 0.05 ± 0.04 | 0.38 ± 0.19 | 0.04 ± 0.02 | 0.01 ± <.01 | <.01 ± <.01 | 0.02 ± 0.01 | 0.04 ± 0.01 |
| 1979-80 | <.01 ± <.01 | 0.09 ± 0.06 | 0.11 ± 0.09 | 0.13 ± 0.10 | 0.06 ± 0.04 | 0.06 ± 0.03 | 0.05 ± 0.03 | 0.05 ± 0.01 |
| 1980-81 | 0.02 ± 0.01 | 0.03 ± 0.02 | 0.05 ± 0.04 | 0.02 ± 0.01 | 0.02 ± 0.01 | 0.02 ± 0.01 | 0.02 ± 0.01 | 0.02 ± 0.01 |
| 1981-82 | <.01 ± <.01 | 0.10 ± 0.09 | 0.24 ± 0.15 | 0.10 ± 0.07 | 0.01 ± 0.01 | 0.03 ± 0.01 | 0.04 ± 0.02 | 0.04 ± 0.01 |
| 1982-83 | 0.01 ± 0.01 | 0.06 ± 0.04 | 0.06 ± 0.03 | 0.11 ± 0.10 | <.01 ± <.01 | 0.02 ± 0.01 | 0.03 ± 0.01 | 0.03 ± 0.01 |
| 1983-84 | 0.01 ± <.01 | 0.05 ± 0.04 | 0.18 ± 0.14 | 0.07 ± 0.07 | <.01 ± <.01 | <.01 ± <.01 | 0.06 ± 0.03 | 0.03 ± 0.01 |
| 1984-85 | <.01 ± <.01 | 0.03 ± 0.02 | 0.13 ± 0.10 | 0.02 ± 0.02 | 0.02 ± 0.01 | 0.01 ± 0.01 | 0.02 ± 0.01 | 0.02 ± 0.01 |
| Sand seatrout | | | | | | | | |
| 1974-76 | 0.11 ± 0.08 | <.01 ± <.01 | 0.01 ± 0.01 | 0.01 ± 0.01 | 0.16 ± 0.08 | 0.01 ± 0.01 | 0.01 ± 0.01 | 0.06 ± 0.03 |
| 1976-77 | 0.01 ± 0.01 | <.01 ± <.01 | 0.00 | 0.00 | 0.46 ± 0.34 | 0.00 | <.01 ± <.01 | 0.04 ± 0.03 |
| 1977-78 | 0.08 ± 0.07 | 0.03 ± 0.03 | 0.01 ± 0.01 | 0.01 ± 0.01 | 0.06 ± 0.05 | 0.01 ± 0.01 | 0.01 ± 0.01 | 0.03 ± 0.02 |
| 1978-79 | 0.31 ± 0.31 | 0.00 | 0.00 | 0.07 ± 0.05 | 0.02 ± 0.01 | 0.01 ± 0.01 | 0.01 ± 0.01 | 0.12 ± 0.11 |
| 1979-80 | 0.07 ± 0.04 | <.01 ± <.01 | 0.00 | <.01 ± <.01 | 0.04 ± 0.02 | 0.01 ± 0.01 | 0.01 ± 0.01 | 0.03 ± 0.01 |
| 1980-81 | <.01 ± <.01 | 0.00 | 0.00 | 0.00 | 0.15 ± 0.11 | <.01 ± <.01 | 0.01 ± 0.01 | 0.01 ± 0.01 |
| 1981-82 | 0.00 | 0.02 ± 0.02 | <.01 ± <.01 | 0.09 ± 0.09 | 0.10 ± 0.06 | <.01 ± <.01 | 0.03 ± 0.02 | 0.02 ± 0.01 |
| 1982-83 | 0.00 | 0.00 | <.01 ± <.01 | 0.02 ± 0.02 | 0.04 ± 0.03 | <.01 ± <.01 | <.01 ± <.01 | 0.01 ± 0.01 |
| 1983-84 | 0.12 ± 0.12 | 0.00 | <.01 ± <.01 | 0.07 ± 0.07 | 0.00 | 0.00 | 0.00 | 0.06 ± 0.06 |
| 1984-85 | <.01 ± <.01 | 0.01 ± 0.01 | 0.02 ± 0.02 | 0.00 | 0.00 | 0.01 ± 0.01 | 0.08 ± 0.06 | 0.02 ± 0.01 |
| Sheepshead | | | | | | | | |
| 1974-76 | 0.01 ± 0.01 | 0.02 ± 0.02 | 0.02 ± 0.01 | 0.10 ± 0.10 | 0.05 ± 0.04 | 0.01 ± <.01 | 0.01 ± 0.01 | 0.02 ± 0.01 |
| 1976-77 | 0.01 ± 0.01 | 0.01 ± 0.01 | <.01 ± <.01 | 0.02 ± 0.02 | 0.02 ± 0.02 | 0.01 ± 0.01 | 0.01 ± 0.01 | 0.01 ± <.01 |
| 1977-78 | 0.03 ± 0.01 | 0.03 ± 0.20 | 0.03 ± 0.02 | 0.06 ± 0.03 | 0.01 ± 0.01 | 0.01 ± 0.01 | 0.04 ± 0.02 | 0.03 ± 0.01 |
| 1978-79 | 0.01 ± 0.01 | 0.05 ± 0.03 | 0.02 ± 0.01 | 0.04 ± 0.03 | 0.02 ± 0.01 | 0.02 ± 0.01 | 0.11 ± 0.08 | 0.03 ± 0.01 |
| 1979-80 | <.01 ± <.01 | 0.03 ± 0.02 | <.01 ± <.01 | 0.00 | 0.04 ± 0.03 | <.01 ± <.01 | 0.12 ± 0.09 | 0.03 ± 0.01 |
| 1980-81 | 0.01 ± 0.00 | 0.13 ± 0.12 | 0.01 ± <.01 | <.01 ± <.01 | 0.24 ± 0.22 | 0.01 ± 0.01 | 0.03 ± 0.02 | 0.04 ± 0.02 |
| 1981-82 | <.01 ± <.01 | 0.19 ± 0.15 | 0.07 ± 0.07 | 0.21 ± 0.18 | 0.02 ± 0.01 | 0.02 ± 0.01 | 0.02 ± 0.01 | 0.05 ± 0.02 |
| 1982-83 | 0.05 ± 0.05 | 0.01 ± 0.01 | 0.05 ± 0.03 | 0.02 ± 0.01 | 0.17 ± 0.16 | 0.02 ± 0.01 | 0.02 ± 0.01 | 0.07 ± 0.04 |
| 1983-84 | 0.01 ± <.01 | 0.07 ± 0.07 | 0.01 ± 0.01 | 0.02 ± 0.02 | <.01 ± <.01 | 0.00 | 0.02 ± 0.02 | 0.02 ± 0.01 |
| 1984-85 | <.01 ± <.01 | 0.02 ± 0.01 | 0.02 ± 0.01 | 0.02 ± 0.02 | <.01 ± <.01 | <.01 ± <.01 | 0.06 ± 0.04 | 0.02 ± 0.01 |

Table D.12. (Cont'd.)

| Species | Bay system | | | | | | | Coastwide |
|--------------------------|-------------|-------------|-------------|-------------|----------------|--------------------|--------------------|-------------|
| | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | |
| Southern flounder | | | | | | | | |
| 1974-76 | 0.01 ± 0.01 | 0.07 ± 0.06 | 0.02 ± 0.01 | 0.02 ± 0.01 | 0.02 ± 0.01 | 0.05 ± 0.03 | 0.01 ± <.01 | 0.03 ± 0.01 |
| 1976-77 | 0.01 ± 0.01 | 0.11 ± 0.11 | 0.01 ± 0.01 | 0.01 ± 0.01 | 0.01 ± 0.01 | 0.00 | 0.00 | 0.02 ± 0.01 |
| 1977-78 | 0.02 ± 0.01 | 0.04 ± 0.03 | 0.02 ± 0.01 | 0.01 ± 0.01 | 0.01 ± 0.01 | 0.01 ± <.01 | 0.01 ± 0.01 | 0.02 ± <.01 |
| 1978-79 | 0.01 ± 0.01 | 0.05 ± 0.05 | <.01 ± <.01 | 0.05 ± 0.04 | 0.01 ± 0.01 | 0.02 ± 0.01 | 0.02 ± 0.01 | 0.02 ± 0.01 |
| 1979-80 | 0.01 ± <.01 | 0.03 ± 0.02 | 0.02 ± 0.01 | 0.02 ± 0.02 | 0.02 ± 0.01 | 0.01 ± 0.01 | 0.02 ± 0.01 | 0.02 ± <.01 |
| 1980-81 | 0.01 ± 0.01 | 0.02 ± 0.01 | <.01 ± <.01 | 0.08 ± 0.07 | 0.01 ± 0.01 | 0.01 ± 0.01 | 0.01 ± 0.01 | 0.01 ± 0.01 |
| 1981-82 | 0.03 ± 0.02 | 0.01 ± 0.01 | <.01 ± <.01 | 0.01 ± 0.01 | 0.02 ± 0.01 | 0.02 ± 0.01 | 0.03 ± 0.01 | 0.02 ± 0.01 |
| 1982-83 | 0.12 ± 0.12 | 0.03 ± 0.02 | <.01 ± <.01 | 0.02 ± 0.01 | 0.01 ± 0.01 | 0.02 ± 0.01 | 0.03 ± 0.01 | 0.03 ± 0.02 |
| 1983-84 | <.01 ± <.01 | <.01 ± <.01 | 0.01 ± 0.01 | 0.01 ± 0.01 | <.01 ± <.01 | 0.00 | <.01 ± <.01 | <.01 ± <.01 |
| 1984-85 | 0.07 ± 0.07 | 0.02 ± 0.01 | <.01 ± <.01 | 0.02 ± 0.02 | 0.01 ± 0.01 | 0.02 ± 0.01 | 0.02 ± 0.01 | 0.03 ± 0.01 |
| Spotted seatrout | | | | | | | | |
| 1974-76 | 0.03 ± 0.02 | 0.19 ± 0.15 | 1.02 ± 0.54 | 0.47 ± 0.27 | 0.30 ± 0.14 | 0.37 ± 0.21 | 0.22 ± 0.12 | 0.23 ± 0.06 |
| 1976-77 | 0.15 ± 0.10 | 0.08 ± 0.06 | 0.02 ± 0.02 | 0.16 ± 0.10 | 0.07 ± 0.05 | 0.17 ± 0.10 | 0.54 ± 0.41 | 0.24 ± 0.11 |
| 1977-78 | 0.01 ± 0.01 | 0.12 ± 0.08 | 0.10 ± 0.05 | 0.12 ± 0.06 | 0.15 ± 0.08 | 0.18 ± 0.08 | 0.14 ± 0.06 | 0.10 ± 0.02 |
| 1978-79 | 0.02 ± 0.02 | 0.21 ± 0.21 | 0.03 ± 0.01 | 0.20 ± 0.10 | 0.05 ± 0.03 | 0.17 ± 0.08 | 0.17 ± 0.08 | 0.10 ± 0.04 |
| 1979-80 | 0.09 ± 0.09 | 0.13 ± 0.10 | 0.06 ± 0.04 | 0.50 ± 0.36 | 0.15 ± 0.07 | 0.41 ± 0.15 | 0.33 ± 0.13 | 0.20 ± 0.05 |
| 1980-81 | 0.02 ± 0.01 | 0.06 ± 0.04 | 0.09 ± 0.05 | 0.21 ± 0.13 | 0.14 ± 0.07 | 0.37 ± 0.28 | 0.13 ± 0.10 | 0.13 ± 0.05 |
| 1981-82 | 0.04 ± 0.03 | 0.26 ± 0.21 | 0.27 ± 0.21 | 0.28 ± 0.24 | 0.28 ± 0.15 | 0.30 ± 0.15 | 0.38 ± 0.17 | 0.19 ± 0.05 |
| 1982-83 | 0.01 ± 0.01 | 0.07 ± 0.06 | 0.08 ± 0.05 | 0.09 ± 0.06 | 0.07 ± 0.05 | 0.21 ± 0.10 | 0.28 ± 0.08 | 0.13 ± 0.03 |
| 1983-84 | 0.05 ± 0.04 | 0.32 ± 0.30 | 0.18 ± 0.13 | 0.03 ± 0.03 | <.01 ± <.01 | 0.07 ± 0.07 | 0.09 ± 0.06 | 0.11 ± 0.07 |
| 1984-85 | 0.03 ± 0.03 | 0.14 ± 0.10 | 0.03 ± 0.02 | 0.04 ± 0.02 | 0.11 ± 0.06 | 0.06 ± 0.04 | 0.14 ± 0.06 | 0.09 ± 0.03 |
| Other species | | | | | | | | |
| 1974-76 | 0.13 ± 0.10 | 0.10 ± <.01 | 0.01 ± 0.01 | 0.01 ± 0.01 | 0.07 ± 0.05 | 0.00 | 0.01 ± 0.01 | 0.06 ± 0.03 |
| 1976-77 | <.01 ± <.01 | 0.02 ± 0.02 | 0.02 ± 0.02 | <.01 ± <.01 | 0.02 ± 0.01 | 0.00 | 0.05 ± 0.04 | 0.02 ± 0.01 |
| 1977-78 | 0.12 ± 0.11 | 0.01 ± 0.01 | 0.03 ± 0.01 | 0.02 ± 0.01 | 0.03 ± 0.02 | 0.00 | 0.01 ± 0.01 | 0.04 ± 0.03 |
| 1978-79 | 0.03 ± 0.02 | <.01 ± <.01 | 0.01 ± <.01 | 0.03 ± 0.02 | 0.07 ± 0.05 | 0.00 | <.01 ± <.01 | 0.02 ± 0.01 |
| 1979-80 | 0.02 ± 0.02 | 0.03 ± 0.03 | 0.01 ± 0.01 | 0.00 | 0.02 ± 0.01 | <.01 ± <.01 | 0.01 ± <.01 | 0.02 ± 0.01 |
| 1980-81 | 0.03 ± 0.02 | 0.01 ± 0.01 | 0.01 ± 0.01 | 0.03 ± 0.03 | 0.04 ± 0.02 | 0.01 ± 0.01 | 0.02 ± 0.01 | 0.02 ± 0.01 |
| 1981-82 | 0.13 ± 0.10 | <.01 ± <.01 | <.01 ± <.01 | 0.06 ± 0.04 | 0.03 ± 0.02 | 0.01 ± <.01 | <.01 ± <.01 | 0.06 ± 0.04 |
| 1982-83 | 0.04 ± 0.03 | 0.00 | 0.02 ± 0.01 | 0.01 ± 0.01 | 0.12 ± 0.06 | 0.01 ± 0.01 | <.01 ± <.01 | 0.04 ± 0.02 |
| 1983-84 | 0.04 | 0.04 ± 0.03 | 0.02 ± 0.02 | 0.41 ± 0.41 | 0.01 | 0.04 | <.01 | 0.05 |
| 1984-85 | <.01 ± <.01 | 0.06 | 0.01 | 0.01 ± 0.01 | 0.01 | 0.01 | 0.09 | 0.03 |

Table D.12. (Cont'd.)

| Species Year | Bay system | | | | | | | Coastwide |
|-----------------------------------|-------------|-------------|-------------|-------------|----------------|--------------------|--------------------|-------------|
| | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | |
| All species combined ^a | | | | | | | | |
| 1974-76 | 0.58 ± 0.27 | 0.50 ± 0.38 | 1.23 ± 0.56 | 0.65 ± 0.33 | 0.82 ± 0.31 | 0.49 ± 0.27 | 0.31 ± 0.17 | 0.56 ± 0.14 |
| 1976-77 | 0.26 ± 0.17 | 0.38 ± 0.28 | 0.15 ± 0.10 | 0.23 ± 0.12 | 0.66 ± 0.40 | 0.23 ± 0.12 | 0.63 ± 0.47 | 0.40 ± 0.15 |
| 1977-78 | 0.33 ± 0.17 | 0.32 ± 0.20 | 0.36 ± 0.10 | 0.33 ± 0.14 | 0.34 ± 0.14 | 0.25 ± 0.10 | 0.28 ± 0.10 | 0.31 ± 0.06 |
| 1978-79 | 0.58 ± 0.41 | 0.37 ± 0.27 | 0.47 ± 0.20 | 0.46 ± 0.19 | 0.19 ± 0.09 | 0.25 ± 0.10 | 0.36 ± 0.14 | 0.42 ± 0.16 |
| 1979-80 | 0.25 ± 0.14 | 0.41 ± 0.19 | 0.23 ± 0.14 | 0.66 ± 0.40 | 0.44 ± 0.20 | 0.52 ± 0.19 | 0.57 ± 0.22 | 0.40 ± 0.08 |
| 1980-81 | 0.19 ± 0.13 | 0.34 ± 0.27 | 0.18 ± 0.10 | 0.34 ± 0.16 | 0.62 ± 0.31 | 0.43 ± 0.33 | 0.23 ± 0.14 | 0.30 ± 0.09 |
| 1981-82 | 0.21 ± 0.14 | 0.64 ± 0.34 | 0.64 ± 0.37 | 0.79 ± 0.41 | 0.48 ± 0.20 | 0.45 ± 0.20 | 0.54 ± 0.23 | 0.41 ± 0.10 |
| 1982-83 | 0.28 ± 0.19 | 0.23 ± 0.13 | 0.29 ± 0.11 | 0.27 ± 0.17 | 0.46 ± 0.26 | 0.28 ± 0.14 | 0.41 ± 0.10 | 0.34 ± 0.09 |
| 1983-84 | 0.27 ± 0.19 | 0.52 ± 0.36 | 0.44 ± 0.30 | 1.37 ± 1.28 | 0.04 ± 0.03 | 0.11 ± 0.08 | 0.22 ± 0.12 | 0.34 ± 0.13 |
| 1984-85 | 0.16 ± 0.12 | 0.30 ± 0.15 | 0.26 ± 0.12 | 0.11 ± 0.07 | 0.16 ± 0.08 | 0.13 ± 0.07 | 0.41 ± 0.15 | 0.23 ± 0.05 |

^aDue to rounding of numbers, these totals may not exactly equal individual species totals.

Table D.13. Mean catch rates of fishes (No./man-h) \pm 1 SE caught by private-boat fishermen in Texas bays and passes during the low-use season weekdays by species and bay system (1974-1985).

| Species | Bay system | | | | | | | |
|----------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|--------------------|--------------------|-----------------|
| | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | Coastwide |
| Atlantic croaker | | | | | | | | |
| 1974-76 | 0.07 \pm 0.07 | 0.00 | <.01 \pm <.01 | 0.00 | 0.02 \pm 0.02 | 0.85 \pm 0.85 | 0.01 \pm 0.01 | 0.10 \pm 0.08 |
| 1976-77 | 0.04 | 0.06 | 0.01 | 0.00 | 0.03 | 0.02 | 0.01 | 0.02 |
| 1977-78 | 0.02 | 0.01 | <.01 | 0.00 | 0.03 | 0.02 | <.01 | 0.01 |
| 1978-79 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | <.01 | <.01 | 0.01 |
| 1979-80 | 0.01 \pm 0.01 | 0.05 \pm 0.05 | <.01 \pm <.01 | 0.01 \pm 0.01 | 0.02 \pm 0.02 | 0.00 | 0.00 | 0.01 \pm 0.01 |
| 1980-81 | <.01 \pm <.01 | 0.01 \pm 0.01 | 0.00 | 0.00 | <.01 \pm <.01 | 0.01 \pm <.01 | 0.04 \pm 0.04 | 0.01 \pm 0.01 |
| 1981-82 | 0.01 \pm 0.01 | 0.00 | 0.00 | 0.00 | 0.01 \pm 0.01 | 0.01 \pm 0.01 | <.01 \pm <.01 | 0.01 \pm <.01 |
| 1982-83 | 0.01 \pm 0.01 | 0.01 \pm 0.01 | 0.00 | 0.03 \pm 0.03 | 0.06 \pm 0.04 | 0.01 \pm 0.01 | 0.01 \pm 0.01 | 0.02 \pm 0.01 |
| 1983-84 | <.01 \pm <.01 | 0.00 | 0.00 | 0.00 | 0.00 | <.01 \pm <.01 | <.01 \pm <.01 | <.01 \pm <.01 |
| 1984-85 | 0.05 \pm 0.04 | 0.00 | 0.00 | <.01 \pm <.01 | 0.00 | 0.00 | <.01 \pm <.01 | 0.01 \pm 0.01 |
| Black drum | | | | | | | | |
| 1974-76 | 0.01 \pm 0.01 | 0.00 | 0.02 \pm 0.01 | 0.01 \pm 0.01 | 0.04 \pm 0.03 | 0.00 | 0.04 \pm 0.03 | 0.02 \pm 0.01 |
| 1976-77 | 0.01 | 0.07 | 0.05 | 0.02 | 0.03 | 0.02 | 0.03 | 0.03 |
| 1977-78 | 0.05 | 0.03 | 0.08 | 0.03 | 0.07 | 0.04 | 0.06 | 0.05 |
| 1978-79 | 0.17 | 0.01 | 0.05 | 0.01 | 0.01 | 0.05 | 0.05 | 0.08 |
| 1979-80 | 0.01 \pm 0.01 | 0.04 \pm 0.03 | 0.02 \pm 0.01 | 0.01 \pm 0.01 | 0.00 | 0.07 \pm 0.07 | 0.00 | 0.02 \pm 0.01 |
| 1980-81 | 0.09 \pm 0.09 | 0.16 \pm 0.13 | 0.01 \pm 0.01 | 0.00 | 0.01 \pm <.01 | <.01 \pm <.01 | 0.01 \pm 0.01 | 0.05 \pm 0.03 |
| 1981-82 | 0.18 \pm 0.15 | 0.07 \pm 0.05 | 0.16 \pm 0.13 | 0.08 \pm 0.05 | 0.02 \pm 0.02 | 0.03 \pm 0.03 | 0.04 \pm 0.02 | 0.08 \pm 0.04 |
| 1982-83 | 0.33 \pm 0.29 | 0.21 \pm 0.13 | 0.07 \pm 0.03 | 0.05 \pm 0.03 | 0.02 \pm 0.01 | 0.02 \pm 0.01 | 0.03 \pm 0.02 | 0.12 \pm 0.07 |
| 1983-84 | <.01 \pm <.01 | 0.05 \pm 0.04 | 0.01 \pm 0.01 | 0.06 \pm 0.05 | 0.05 \pm 0.04 | 0.05 \pm 0.04 | 0.03 \pm 0.02 | 0.02 \pm 0.01 |
| 1984-85 | 0.02 \pm 0.02 | 0.06 \pm 0.04 | 0.04 \pm 0.04 | 0.08 \pm 0.07 | <.01 \pm <.01 | <.01 \pm <.01 | 0.03 \pm 0.02 | 0.03 \pm 0.01 |
| Gafftopsail catfish | | | | | | | | |
| 1974-76 | <.01 \pm <.01 | 0.36 \pm 0.36 | <.01 \pm <.01 | 0.04 \pm 0.04 | 0.00 | 0.00 | 0.00 | 0.02 \pm 0.02 |
| 1976-77 | 0.04 | 0.02 | 0.07 | 0.01 | 0.05 | 0.00 | 0.00 | 0.02 |
| 1977-78 | 0.01 | 0.05 | 0.01 | 0.02 | <.01 | 0.00 | 0.00 | 0.01 |
| 1978-79 | 0.09 | 0.01 | 0.02 | 0.07 | 0.03 | 0.00 | 0.00 | 0.05 |
| 1979-80 | 0.00 | 0.00 | 0.01 \pm 0.01 | 0.00 | 0.06 \pm 0.06 | <.01 \pm <.01 | 0.00 | 0.01 \pm <.01 |
| 1980-81 | 0.05 \pm 0.04 | 0.01 \pm 0.01 | 0.00 | 0.00 | 0.01 \pm 0.01 | 0.00 | 0.00 | 0.02 \pm 0.01 |
| 1981-82 | 0.00 | 0.06 \pm 0.06 | 0.00 | 0.02 \pm 0.02 | 0.19 \pm 0.19 | <.01 \pm <.01 | 0.00 | 0.04 \pm 0.03 |
| 1982-83 | 0.01 \pm <.01 | 0.02 \pm 0.01 | 0.03 \pm 0.02 | 0.00 | 0.02 \pm 0.02 | 0.00 | 0.00 | 0.01 \pm <.01 |
| 1983-84 | 0.00 | 0.01 \pm 0.01 | 0.00 | 0.01 \pm 0.01 | 0.00 | 0.00 | 0.00 | <.01 \pm <.01 |
| 1984-85 | <.01 \pm <.01 | 0.00 | 0.00 | <.01 \pm <.01 | <.01 \pm <.01 | 0.00 | <.01 \pm <.01 | <.01 \pm <.01 |

Table D.13. (Cont'd.)

| Species Year | Bay system | | | | | | | Coastwide |
|----------------------|-------------|-------------|-------------|-------------|----------------|--------------------|--------------------|-------------|
| | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | |
| Red drum | | | | | | | | |
| 1974-76 | 0.04 ± 0.02 | 0.04 ± 0.04 | 0.14 ± 0.07 | 0.05 ± 0.03 | 0.06 ± 0.04 | 0.01 ± 0.01 | 0.02 ± 0.02 | 0.04 ± 0.01 |
| 1976-77 | 0.01 | 0.03 | 0.01 | 0.02 | 0.01 | 0.04 | 0.02 | 0.02 |
| 1977-78 | 0.02 | 0.03 | 0.09 | 0.07 | 0.02 | 0.01 | 0.04 | 0.03 |
| 1978-79 | 0.01 | 0.04 | 0.28 | 0.03 | 0.01 | <.01 | 0.03 | 0.03 |
| 1979-80 | 0.01 ± 0.01 | 0.03 ± 0.03 | 0.14 ± 0.09 | 0.22 ± 0.21 | 0.03 ± 0.02 | 0.05 ± 0.03 | 0.03 ± 0.03 | 0.03 ± 0.01 |
| 1980-81 | 0.01 ± 0.01 | 0.03 ± 0.02 | 0.01 ± 0.01 | 0.00 | 0.02 ± 0.02 | 0.01 ± 0.01 | 0.01 ± 0.01 | 0.01 ± 0.01 |
| 1981-82 | 0.06 ± 0.04 | 0.01 ± 0.01 | 0.09 ± 0.05 | 0.03 ± 0.02 | 0.02 ± 0.01 | 0.02 ± 0.01 | 0.04 ± 0.02 | 0.03 ± 0.01 |
| 1982-83 | 0.01 ± 0.01 | 0.02 ± 0.01 | 0.03 ± 0.02 | 0.05 ± 0.00 | 0.01 ± <.01 | 0.01 ± <.01 | 0.07 ± 0.03 | 0.03 ± 0.01 |
| 1983-84 | 0.01 ± 0.01 | 0.14 ± 0.11 | 0.04 ± 0.03 | 0.06 ± 0.05 | 0.08 ± 0.06 | 0.02 ± 0.01 | 0.03 ± 0.02 | 0.03 ± 0.02 |
| 1984-85 | 0.06 ± 0.04 | 0.03 ± 0.02 | 0.26 ± 0.12 | 0.03 ± 0.02 | 0.06 ± 0.06 | <.01 ± <.01 | 0.04 ± 0.03 | 0.04 ± 0.02 |
| Sand seatrout | | | | | | | | |
| 1974-76 | 0.46 ± 0.45 | 0.07 ± 0.07 | 0.08 ± 0.08 | 0.06 ± 0.06 | 0.09 ± 0.06 | 0.01 ± 0.01 | 0.00 | 0.20 ± 0.18 |
| 1976-77 | 0.02 | <.01 | 0.00 | 0.00 | 0.76 | 0.00 | <.01 | 0.06 |
| 1977-78 | 0.13 | 0.05 | 0.01 | 0.02 | 0.10 | 0.00 | 0.02 | 0.06 |
| 1978-79 | 0.51 | 0.00 | 0.00 | 0.12 | 0.03 | 0.02 | 0.02 | 0.20 |
| 1979-80 | 0.01 ± 0.01 | 0.00 | 0.00 | 0.00 | 0.10 ± 0.10 | <.01 ± <.01 | 0.00 | 0.01 ± 0.01 |
| 1980-81 | 0.03 ± 0.02 | 0.00 | 0.00 | 0.00 | 0.04 ± 0.04 | 0.00 | 0.01 ± 0.01 | 0.02 ± 0.01 |
| 1981-82 | 0.03 ± 0.02 | 0.05 ± 0.05 | <.01 ± <.01 | 0.01 ± 0.01 | 0.14 ± 0.10 | 0.01 ± 0.01 | 0.04 ± 0.02 | 0.04 ± 0.02 |
| 1982-83 | 0.01 ± 0.01 | <.01 ± <.01 | 0.03 ± 0.02 | 0.07 ± 0.06 | 0.50 ± 0.24 | <.01 ± <.01 | 0.03 ± 0.02 | 0.09 ± 0.03 |
| 1983-84 | 0.00 | 0.03 ± 0.03 | 0.00 | 0.01 ± 0.01 | 0.02 ± 0.02 | 0.00 | 0.01 ± <.01 | <.01 ± <.01 |
| 1984-85 | 0.09 ± 0.07 | <.01 ± <.01 | 0.00 | 0.00 | <.01 ± <.01 | 0.04 ± 0.04 | <.01 ± <.01 | 0.03 ± 0.02 |
| Sheepshead | | | | | | | | |
| 1974-76 | 0.03 ± 0.02 | 0.00 | 0.03 ± 0.01 | 0.28 ± 0.24 | <.01 ± <.01 | 0.05 ± 0.04 | <.01 ± <.01 | 0.05 ± 0.03 |
| 1976-77 | 0.02 | 0.02 | <.01 | 0.03 | 0.04 | 0.01 | 0.01 | 0.02 |
| 1977-78 | 0.05 | 0.05 | 0.05 | 0.09 | 0.02 | 0.02 | 0.06 | 0.05 |
| 1978-79 | 0.03 | 0.08 | 0.03 | 0.06 | 0.03 | 0.03 | 0.18 | 0.05 |
| 1979-80 | 0.13 ± 0.12 | 0.00 | 0.01 ± 0.01 | 0.73 ± 0.73 | 0.06 ± 0.04 | 0.05 ± 0.03 | 0.24 ± 0.19 | 0.13 ± 0.09 |
| 1980-81 | 0.05 ± 0.04 | 0.02 ± 0.02 | <.01 ± <.01 | 0.81 ± 0.62 | 0.38 ± 0.25 | 0.02 ± 0.01 | 0.04 ± 0.03 | 0.11 ± 0.05 |
| 1981-82 | 0.02 ± 0.02 | 0.13 ± 0.09 | 0.03 ± 0.02 | 0.05 ± 0.03 | 0.19 ± 0.11 | 0.01 ± 0.01 | 0.23 ± 0.13 | 0.08 ± 0.03 |
| 1982-83 | 0.01 ± <.01 | 0.17 ± 0.11 | 0.11 ± 0.05 | 0.21 ± 0.16 | 0.51 ± 0.31 | 0.01 ± 0.04 | 0.12 ± 0.08 | 0.15 ± 0.05 |
| 1983-84 | 0.01 ± <.01 | 0.16 ± 0.16 | 0.01 ± 0.01 | 0.26 ± 0.18 | 0.02 ± 0.01 | 0.01 ± 0.01 | 0.10 ± 0.06 | 0.05 ± 0.02 |
| 1984-85 | <.01 ± <.01 | 0.03 ± 0.02 | 0.00 | 0.51 ± 0.40 | 0.02 ± 0.02 | <.01 ± <.01 | 0.02 ± 0.02 | 0.08 ± 0.05 |

Table D.13. (Cont'd.)

| Species | Bay system | | | | | | | Coastwide |
|--------------------------|-------------|-------------|-------------|-------------|----------------|--------------------|--------------------|-------------|
| | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | |
| Southern flounder | | | | | | | | |
| 1974-76 | 0.07 ± 0.04 | 0.45 ± 0.45 | 0.03 ± 0.02 | 0.04 ± 0.02 | 0.03 ± 0.02 | 0.09 ± 0.05 | <.01 ± <.01 | 0.06 ± 0.02 |
| 1976-77 | 0.01 | 0.14 | 0.01 | 0.01 | 0.01 | <.01 | <.01 | 0.02 |
| 1977-78 | 0.02 | 0.04 | 0.02 | 0.01 | 0.02 | 0.01 | 0.01 | 0.02 |
| 1978-79 | 0.02 | 0.07 | <.01 | 0.05 | 0.02 | 0.02 | 0.02 | 0.03 |
| 1979-80 | 0.48 ± 0.48 | 0.03 ± 0.03 | <.01 ± <.01 | 0.00 | 0.04 ± 0.03 | 0.01 ± 0.01 | 0.01 ± 0.01 | 0.29 ± 0.29 |
| 1980-81 | <.01 ± <.01 | 0.00 | <.01 ± <.01 | 0.01 ± <.01 | 0.11 ± 0.10 | 0.03 ± 0.02 | 0.01 ± <.01 | 0.03 ± 0.02 |
| 1981-82 | 0.03 ± 0.02 | 0.02 ± 0.01 | 0.04 ± 0.03 | 0.02 ± 0.01 | 0.01 ± <.01 | 0.01 ± <.01 | 0.02 ± 0.01 | 0.02 ± 0.01 |
| 1982-83 | 0.02 ± 0.01 | 0.02 ± 0.01 | 0.01 ± 0.01 | 0.02 ± 0.01 | 0.01 ± <.01 | 0.03 ± 0.01 | 0.03 ± 0.01 | 0.02 ± <.01 |
| 1983-84 | 0.02 ± 0.01 | 0.06 ± 0.04 | 0.01 ± 0.01 | 0.03 ± 0.02 | <.01 ± <.01 | 0.04 ± 0.03 | <.01 ± <.01 | 0.02 ± 0.01 |
| 1984-85 | 0.12 ± 0.10 | 0.01 ± <.01 | 0.04 ± 0.03 | 0.01 ± <.01 | 0.04 ± 0.03 | <.01 ± <.01 | 0.04 ± 0.02 | 0.05 ± 0.02 |
| Spotted seatrout | | | | | | | | |
| 1974-76 | 0.24 ± 0.16 | 0.65 ± 0.65 | 1.00 ± 0.45 | 0.64 ± 0.39 | 0.26 ± 0.14 | 0.74 ± 0.46 | 0.42 ± 0.28 | 0.42 ± 0.13 |
| 1976-77 | 0.41 | 0.09 | 0.02 | 0.44 | 0.20 | 0.18 | 0.90 | 0.44 |
| 1977-78 | 0.04 | 0.12 | 0.10 | 0.33 | 0.42 | 0.19 | 0.24 | 0.16 |
| 1978-79 | 0.06 | 0.22 | 0.03 | 0.55 | 0.13 | 0.17 | 0.29 | 0.17 |
| 1979-80 | 0.02 ± 0.02 | 0.12 ± 0.12 | 0.26 ± 0.17 | 0.17 ± 0.13 | 0.16 ± 0.15 | 0.57 ± 0.35 | 0.46 ± 0.39 | 0.16 ± 0.08 |
| 1980-81 | 0.46 ± 0.37 | 0.06 ± 0.06 | 0.47 ± 0.32 | 0.39 ± 0.31 | 0.19 ± 0.12 | 0.41 ± 0.28 | 0.29 ± 0.17 | 0.35 ± 0.15 |
| 1981-82 | 0.16 ± 0.14 | 0.15 ± 0.12 | 0.26 ± 0.13 | 0.38 ± 0.15 | 0.46 ± 0.27 | 0.57 ± 0.43 | 0.36 ± 0.12 | 0.35 ± 0.10 |
| 1982-83 | 0.05 ± 0.04 | 0.20 ± 0.14 | 0.12 ± 0.05 | 0.30 ± 0.15 | 0.17 ± 0.07 | 0.38 ± 0.15 | 0.42 ± 0.17 | 0.23 ± 0.05 |
| 1983-84 | 0.15 ± 0.12 | 0.17 ± 0.12 | 0.05 ± 0.05 | 0.21 ± 0.17 | 0.16 ± 0.13 | 0.06 ± 0.05 | 0.23 ± 0.11 | 0.16 ± 0.08 |
| 1984-85 | 0.07 ± 0.06 | 0.11 ± 0.07 | 0.09 ± 0.06 | 0.38 ± 0.31 | 0.09 ± 0.07 | 0.02 ± 0.01 | 0.21 ± 0.12 | 0.14 ± 0.06 |
| Other species | | | | | | | | |
| 1974-76 | 0.04 ± 0.03 | 0.07 ± 0.07 | 0.02 ± 0.01 | 0.00 | <.01 ± <.01 | 0.01 ± 0.01 | 0.00 | 0.02 ± 0.01 |
| 1976-77 | <.01 | 0.01 | 0.01 | <.01 | 0.03 | 0.00 | 0.08 | 0.03 |
| 1977-78 | 0.20 | 0.01 | 0.01 | 0.01 | 0.04 | 0.00 | 0.01 | 0.07 |
| 1978-79 | 0.06 | <.01 | <.01 | 0.01 | 0.12 | 0.00 | <.01 | 0.04 |
| 1979-80 | 0.00 | 0.00 | 0.00 | 0.00 | 1.12 ± 1.12 | <.01 ± <.01 | 0.02 ± 0.02 | 0.07 ± 0.07 |
| 1980-81 | 0.10 ± 0.07 | <.01 ± <.01 | 0.01 ± 0.01 | 0.00 | 0.03 ± 0.03 | 0.00 | 0.04 ± 0.03 | 0.04 ± 0.02 |
| 1981-82 | 0.05 ± 0.03 | 0.03 ± 0.03 | 0.01 ± <.01 | 0.01 ± 0.01 | 0.06 ± 0.03 | 0.00 | 0.01 ± 0.01 | 0.03 ± 0.01 |
| 1982-83 | 0.11 ± 0.07 | 0.00 | 0.03 ± 0.01 | 0.02 ± 0.01 | 0.12 ± 0.06 | <.01 ± <.01 | 0.04 ± 0.02 | 0.06 ± 0.02 |
| 1983-84 | 0.07 ± 0.07 | 0.00 | 0.00 | 0.04 | 0.01 | <.01 ± <.01 | 0.02 ± 0.02 | 0.05 |
| 1984-85 | 0.02 | <.01 ± <.01 | 0.00 | <.01 | 0.04 | 0.00 ± <.01 | 0.01 | 0.03 ± 0.01 |

Table D.13. (Cont'd.)

| Species Year | Bay system | | | | | | | Coastwide |
|-----------------------------------|-------------|-------------|-------------|-------------|----------------|--------------------|--------------------|-------------|
| | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | |
| All species combined ^a | | | | | | | | |
| 1974-76 | 0.97 ± 0.69 | 1.64 ± 1.40 | 1.31 ± 0.59 | 1.13 ± 0.54 | 0.50 ± 0.27 | 1.78 ± 1.25 | 0.49 ± 0.31 | 0.94 ± 0.33 |
| 1976-77 | 0.57 | 0.44 | 0.19 | 0.53 | 1.16 | 0.26 | 1.06 | 0.67 |
| 1977-78 | 0.54 | 0.39 | 0.38 | 0.57 | 0.72 | 0.29 | 0.45 | 0.45 |
| 1978-79 | 0.97 | 0.41 | 0.40 | 0.90 | 0.37 | 0.30 | 0.59 | 0.65 |
| 1979-80 | 0.66 ± 0.62 | 0.27 ± 0.23 | 0.45 ± 0.25 | 1.13 ± 1.06 | 1.59 ± 1.17 | 0.77 ± 0.38 | 0.77 ± 0.62 | 0.73 ± 0.45 |
| 1980-81 | 0.79 ± 0.48 | 0.30 ± 0.21 | 0.51 ± 0.33 | 1.21 ± 0.81 | 0.79 ± 0.45 | 0.47 ± 0.32 | 0.44 ± 0.21 | 0.63 ± 0.21 |
| 1981-82 | 0.54 ± 0.40 | 0.51 ± 0.28 | 0.59 ± 0.27 | 0.61 ± 0.22 | 1.10 ± 0.38 | 0.64 ± 0.46 | 0.74 ± 0.25 | 0.68 ± 0.17 |
| 1982-83 | 0.55 ± 0.35 | 0.66 ± 0.32 | 0.44 ± 0.14 | 0.76 ± 0.34 | 1.43 ± 0.57 | 0.47 ± 0.17 | 0.75 ± 0.25 | 0.73 ± 0.15 |
| 1983-84 | 0.26 ± 0.20 | 0.64 ± 0.43 | 0.12 ± 0.10 | 0.66 ± 0.47 | 0.35 ± 0.24 | 0.18 ± 0.14 | 0.43 ± 0.19 | 0.33 ± 0.16 |
| 1984-85 | 0.44 ± 0.29 | 0.24 ± 0.14 | 0.43 ± 0.20 | 1.02 ± 0.67 | 0.25 ± 0.19 | 0.07 ± 0.05 | 0.36 ± 0.16 | 0.40 ± 0.13 |

^aDue to rounding of numbers, these totals may not exactly equal individual species totals.

Table D.14. Annual mean weights of fishes (kg/fish) \pm 1 SE caught by private-boat fishermen in Texas bays and passes by species and bay system (1974-1985). Blank = no fish weighed.

| Species | Bay system | | | | | | | Coastwide |
|----------------------------|------------------|-----------------|------------------|-----------------|-----------------|--------------------|--------------------|-----------------|
| | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | |
| Atlantic croaker | | | | | | | | |
| 1974-76 | 0.18 \pm 0.07 | 0.24 \pm 0.18 | 0.24 \pm 0.11 | 0.15 \pm 0.02 | 0.27 \pm 0.10 | 0.33 \pm 0.11 | 0.30 \pm 0.09 | 0.23 \pm 0.08 |
| 1976-77 | 0.23 \pm 0.08 | 0.14 \pm 0.03 | 0.26 \pm 0.03 | 0.22 \pm 0.07 | 0.26 \pm 0.08 | 0.24 \pm 0.10 | 0.48 \pm 0.16 | 0.24 \pm 0.04 |
| 1977-78 | 0.22 \pm 0.09 | 0.14 \pm 0.10 | 0.37 \pm 0.12 | 0.27 \pm 0.14 | 0.21 \pm 0.11 | 0.29 \pm 0.06 | 0.23 \pm 0.04 | 0.22 \pm 0.06 |
| 1978-79 | 0.18 \pm 0.14 | 0.18 \pm 0.14 | 0.23 \pm 0.03 | 0.12 \pm 0.03 | 0.26 \pm 0.10 | 0.35 \pm 0.18 | 0.25 \pm 0.09 | 0.22 \pm 0.14 |
| 1979-80 | 0.20 \pm 0.12 | 0.18 \pm 0.11 | 0.30 \pm 0.07 | 0.13 \pm 0.08 | 0.20 \pm 0.06 | 0.25 \pm 0.06 | 0.22 \pm 0.06 | 0.21 \pm 0.06 |
| 1980-81 | 0.21 \pm 0.09 | 0.16 \pm 0.03 | 0.24 \pm 0.12 | 0.29 \pm 0.07 | 0.30 \pm 0.08 | 0.27 \pm 0.09 | 0.21 \pm 0.05 | 0.23 \pm 0.06 |
| 1981-82 | 0.18 \pm 0.04 | 0.16 \pm 0.02 | 0.14 \pm 0.11 | 0.26 \pm 0.02 | 0.32 \pm 0.18 | 0.27 \pm 0.05 | 0.28 \pm 0.04 | 0.27 \pm 0.09 |
| 1982-83 | 0.21 \pm 0.04 | 0.16 \pm 0.02 | 0.22 \pm 0.05 | 0.27 \pm 0.07 | 0.34 \pm 0.09 | 0.30 \pm 0.06 | 0.27 \pm 0.09 | 0.26 \pm 0.04 |
| 1983-84 | 0.22 \pm 0.03 | 0.17 \pm 0.01 | 0.17 \pm 0.01 | 0.36 \pm 0.02 | 0.31 \pm 0.02 | 0.33 \pm 0.01 | 0.37 \pm 0.12 | 0.26 \pm 0.02 |
| 1984-85 | 0.18 \pm 0.02 | 0.14 \pm 0.01 | 0.15 \pm 0.03 | 0.23 \pm 0.02 | 0.21 \pm 0.02 | 0.21 \pm 0.04 | 0.17 \pm 0.01 | 0.18 \pm 0.02 |
| Black drum | | | | | | | | |
| 1974-76 | 2.19 \pm 3.20 | 0.91 \pm 0.33 | 1.16 \pm 0.89 | 0.70 \pm 0.30 | 6.64 \pm 7.16 | 2.28 \pm 2.15 | 2.56 \pm 2.73 | 2.02 \pm 1.00 |
| 1976-77 | 0.83 \pm 0.55 | 0.43 \pm 0.11 | 6.18 \pm 12.18 | 0.94 \pm 0.40 | 2.57 \pm 2.78 | 1.43 \pm 1.50 | 4.30 \pm 5.07 | 1.04 \pm 0.16 |
| 1977-78 | 1.25 \pm 1.06 | 0.99 \pm 1.43 | 1.10 \pm 0.79 | 0.59 \pm 0.42 | 3.66 \pm 4.76 | 1.30 \pm 0.78 | 4.88 \pm 5.02 | 2.03 \pm 1.22 |
| 1978-79 | 4.22 \pm 10.20 | 1.65 \pm 1.30 | 5.94 \pm 5.92 | 0.44 \pm 0.16 | 1.77 \pm 1.14 | 2.50 \pm 1.71 | 7.24 \pm 8.50 | 4.18 \pm 4.56 |
| 1979-80 | 0.42 \pm 0.10 | 0.48 \pm 0.30 | 3.55 \pm 5.08 | 0.50 \pm 0.12 | 4.58 \pm 6.39 | 1.37 \pm 0.89 | 0.51 \pm 0.55 | 1.71 \pm 1.72 |
| 1980-81 | 2.63 \pm 5.16 | 0.38 \pm 0.22 | 0.92 \pm 1.04 | 0.50 \pm 0.08 | 0.70 \pm 0.36 | 0.70 \pm 0.18 | 0.51 \pm 0.27 | 1.17 \pm 1.51 |
| 1981-82 | 0.53 \pm 0.22 | 0.51 \pm 0.18 | 0.48 \pm 0.29 | 0.63 \pm 0.34 | 0.60 \pm 0.20 | 0.91 \pm 0.26 | 1.29 \pm 0.85 | 0.67 \pm 0.18 |
| 1982-83 | 1.63 \pm 1.67 | 0.42 \pm 0.16 | 3.57 \pm 3.57 | 0.46 \pm 0.14 | 0.81 \pm 2.28 | 1.05 \pm 0.37 | 0.99 \pm 0.51 | 1.47 \pm 0.72 |
| 1983-84 | 2.18 \pm 0.95 | 1.05 \pm 0.27 | 0.84 \pm 0.05 | 0.92 \pm 0.10 | 0.92 \pm 0.10 | 1.11 \pm 0.14 | 1.12 \pm 0.32 | 1.39 \pm 0.44 |
| 1984-85 | 1.82 \pm 0.32 | 1.99 \pm 0.88 | 0.46 \pm 0.10 | 0.69 \pm 0.10 | 0.84 \pm 0.07 | 0.69 \pm 0.11 | 1.51 \pm 0.65 | 1.59 \pm 0.44 |
| Gafftopsail catfish | | | | | | | | |
| 1974-76 | 1.37 \pm 0.30 | 1.55 \pm 0.61 | 1.26 \pm 0.20 | 1.30 \pm 0.37 | 1.26 \pm 0.34 | | | 1.30 \pm 0.15 |
| 1976-77 | 1.90 \pm 0.64 | 1.55 \pm 0.32 | 1.38 \pm 0.20 | 1.47 \pm 0.27 | 1.30 \pm 0.43 | | 0.22 \pm <.01 | 1.49 \pm 0.28 |
| 1977-78 | 1.10 \pm 0.19 | 1.32 \pm 0.29 | 1.42 \pm 0.14 | 0.91 \pm 0.60 | 1.34 \pm 0.19 | | | 1.28 \pm 0.14 |
| 1978-79 | 1.26 \pm 0.38 | 1.45 \pm 0.49 | 0.87 \pm 0.37 | 1.33 \pm 0.45 | 1.25 \pm 0.32 | 2.42 \pm 0.87 | 0.83 \pm 0.71 | 1.25 \pm 0.21 |
| 1979-80 | 0.72 \pm 0.23 | 1.24 \pm 0.52 | 1.38 \pm 0.44 | 2.13 \pm <.01 | 1.66 \pm 0.12 | 1.02 \pm <.01 | | 1.45 \pm 0.25 |
| 1980-81 | 1.52 \pm 0.60 | 1.20 \pm 0.30 | 0.90 \pm 0.16 | 1.58 \pm 0.35 | 1.18 \pm 0.35 | 0.35 \pm <.01 | | 1.35 \pm 0.36 |
| 1981-82 | 0.92 \pm 0.30 | 1.24 \pm 0.34 | 1.53 \pm 0.30 | 1.32 \pm 0.31 | 1.35 \pm 0.24 | 0.18 \pm 0.02 | 0.23 \pm <.01 | 1.29 \pm 0.15 |
| 1982-83 | 1.41 \pm 0.40 | 1.37 \pm 0.64 | 1.04 \pm 0.14 | 0.91 \pm 0.19 | 1.17 \pm 0.36 | 0.20 \pm 0.03 | 1.13 \pm 0.64 | 1.17 \pm 0.18 |
| 1983-84 | 0.72 \pm 0.10 | 1.06 \pm 0.12 | 1.24 \pm 0.13 | 1.06 \pm 0.09 | 1.39 \pm 0.07 | 1.16 \pm 0.17 | 0.78 \pm 0.11 | 1.13 \pm 0.10 |
| 1984-85 | 0.98 \pm 0.12 | 1.22 \pm 0.12 | 1.11 \pm 0.17 | 0.97 \pm 0.22 | 1.41 \pm 0.14 | 0.36 \pm 0.02 | 0.13 \pm 0.05 | 1.10 \pm 0.14 |

Table D.14. (Cont'd.)

| Species | Bay system | | | | | | | Coastwide |
|----------------------|-------------|-------------|-------------|-------------|----------------|--------------------|--------------------|-------------|
| | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | |
| Red drum | | | | | | | | |
| 1974-76 | 0.79 ± 0.13 | 0.75 ± 0.16 | 1.11 ± 0.19 | 0.94 ± 0.25 | 0.89 ± 0.42 | 1.13 ± 0.19 | 0.99 ± 0.42 | 1.02 ± 0.11 |
| 1976-77 | 1.31 ± 0.19 | 0.90 ± 0.35 | 1.21 ± 0.28 | 0.99 ± 0.33 | 0.96 ± 0.29 | 1.16 ± 0.36 | 0.92 ± 0.36 | 1.04 ± 0.16 |
| 1977-78 | 1.07 ± 0.32 | 1.14 ± 0.30 | 0.76 ± 0.16 | 1.00 ± 0.50 | 1.08 ± 0.26 | 1.18 ± 0.19 | 1.07 ± 0.37 | 0.94 ± 0.15 |
| 1978-79 | 1.72 ± 0.71 | 0.93 ± 0.29 | 0.72 ± 0.21 | 0.76 ± 0.21 | 1.26 ± 0.59 | 1.10 ± 0.29 | 1.36 ± 0.32 | 0.88 ± 0.27 |
| 1979-80 | 0.59 ± 0.15 | 0.81 ± 0.45 | 0.76 ± 0.66 | 0.67 ± 0.20 | 0.85 ± 0.46 | 0.76 ± 0.10 | 0.61 ± 0.18 | 0.74 ± 0.22 |
| 1980-81 | 1.18 ± 0.31 | 1.33 ± 0.28 | 1.18 ± 0.23 | 1.01 ± 0.21 | 1.03 ± 0.21 | 0.92 ± 0.13 | 0.91 ± 0.18 | 1.09 ± 0.09 |
| 1981-82 | 1.62 ± 0.40 | 1.56 ± 0.36 | 1.15 ± 0.26 | 1.08 ± 0.14 | 1.12 ± 0.17 | 1.14 ± 0.12 | 1.55 ± 0.78 | 1.25 ± 0.17 |
| 1982-83 | 1.34 ± 0.42 | 1.59 ± 0.24 | 1.67 ± 0.27 | 1.54 ± 0.25 | 1.46 ± 0.15 | 1.50 ± 0.19 | 1.31 ± 0.29 | 1.51 ± 0.12 |
| 1983-84 | 1.90 ± 0.24 | 1.59 ± 0.07 | 1.45 ± 0.06 | 1.73 ± 0.33 | 1.35 ± 0.08 | 1.62 ± 0.06 | 1.98 ± 0.74 | 1.67 ± 0.24 |
| 1984-85 | 2.02 ± 0.14 | 2.16 ± 0.10 | 1.73 ± 0.11 | 1.70 ± 0.09 | 1.64 ± 0.09 | 1.77 ± 0.13 | 2.06 ± 0.07 | 1.89 ± 0.10 |
| Sand seatrout | | | | | | | | |
| 1974-76 | 0.30 ± 0.21 | 0.25 ± 0.02 | 0.32 ± 0.08 | 0.26 ± 0.04 | 0.29 ± 0.07 | 0.37 ± 0.13 | 0.31 ± 0.16 | 0.31 ± 0.09 |
| 1976-77 | 0.36 ± 0.12 | 0.24 ± 0.05 | 0.22 ± 0.01 | 0.21 ± 0.01 | 0.33 ± 0.14 | 0.25 ± 0.06 | 0.31 ± 0.08 | 0.32 ± 0.11 |
| 1977-78 | 0.36 ± 0.11 | 0.25 ± 0.05 | 0.24 ± 0.06 | 0.25 ± 0.21 | 0.42 ± 0.26 | 0.54 ± 0.32 | 0.30 ± 0.10 | 0.35 ± 0.08 |
| 1978-79 | 0.30 ± 0.16 | 0.27 ± 0.12 | 0.22 ± 0.11 | 0.29 ± 0.10 | 0.30 ± 0.14 | 0.41 ± 0.08 | 0.20 ± 0.03 | 0.29 ± 0.08 |
| 1979-80 | 0.20 ± 0.07 | 0.22 ± 0.06 | 0.22 ± 0.06 | 0.28 ± 0.04 | 0.29 ± 0.04 | 0.36 ± 0.09 | 0.32 ± 0.08 | 0.23 ± 0.05 |
| 1980-81 | 0.24 ± 0.09 | 0.22 ± 0.04 | 0.30 ± 0.03 | 0.22 ± 0.03 | 0.29 ± 0.09 | 0.30 ± 0.06 | 0.28 ± 0.08 | 0.26 ± 0.04 |
| 1981-82 | 0.27 ± 0.08 | 0.23 ± 0.13 | 0.26 ± 0.03 | 0.25 ± 0.03 | 0.29 ± 0.06 | 0.32 ± 0.04 | 0.31 ± 0.05 | 0.28 ± 0.03 |
| 1982-83 | 0.25 ± 0.05 | 0.21 ± 0.05 | 0.28 ± 0.06 | 0.24 ± 0.05 | 0.27 ± 0.07 | 0.33 ± 0.03 | 0.33 ± 0.06 | 0.26 ± 0.03 |
| 1983-84 | 0.25 ± 0.10 | 0.27 ± 0.03 | 0.28 ± 0.03 | 0.27 ± 0.02 | 0.32 ± 0.02 | 0.35 ± 0.01 | 0.38 ± 0.10 | 0.28 ± 0.02 |
| 1984-85 | 0.23 ± 0.02 | 0.26 ± 0.02 | 0.30 ± 0.04 | 0.24 ± 0.01 | 0.23 ± 0.01 | 0.27 ± 0.02 | 0.26 ± 0.01 | 0.23 ± 0.02 |
| Sheepshead | | | | | | | | |
| 1974-76 | 0.68 ± 0.13 | 0.41 ± 0.18 | 0.75 ± 0.16 | 0.56 ± 0.31 | 0.72 ± 0.34 | 1.33 ± 0.29 | 1.14 ± 0.22 | 0.72 ± 0.14 |
| 1976-77 | 0.91 ± 0.25 | 1.02 ± 0.68 | 1.04 ± 0.45 | 0.58 ± 0.09 | 0.88 ± 0.13 | 0.76 ± 0.19 | 0.95 ± 0.12 | 0.89 ± 0.16 |
| 1977-78 | 0.88 ± 0.20 | 0.58 ± 0.35 | 0.70 ± 0.35 | 0.58 ± 0.21 | 0.65 ± 0.12 | 0.97 ± 0.19 | 0.74 ± 0.26 | 0.76 ± 0.12 |
| 1978-79 | 0.79 ± 0.14 | 0.69 ± 0.39 | 0.79 ± 0.35 | 0.59 ± 0.24 | 0.83 ± 0.24 | 1.02 ± 0.20 | 0.81 ± 0.34 | 0.78 ± 0.10 |
| 1979-80 | 0.91 ± 0.11 | 0.73 ± 0.15 | 0.96 ± 0.16 | 0.58 ± 0.14 | 1.00 ± 0.17 | 1.11 ± 0.22 | 0.64 ± 0.42 | 0.78 ± 0.17 |
| 1980-81 | 0.73 ± 0.40 | 0.29 ± 0.16 | 0.59 ± 0.11 | 0.63 ± 0.17 | 0.78 ± 0.21 | 1.07 ± 0.16 | 0.90 ± 0.28 | 0.71 ± 0.14 |
| 1981-82 | 0.87 ± 0.11 | 0.44 ± 0.29 | 0.78 ± 0.22 | 0.79 ± 0.20 | 0.68 ± 0.17 | 1.17 ± 0.14 | 0.70 ± 0.16 | 0.71 ± 0.11 |
| 1982-83 | 0.89 ± 0.17 | 0.51 ± 0.21 | 0.88 ± 0.17 | 0.86 ± 0.12 | 0.96 ± 0.16 | 1.22 ± 0.07 | 0.63 ± 0.23 | 0.85 ± 0.14 |
| 1983-84 | 0.77 ± 0.03 | 0.77 ± 0.06 | 1.03 ± 0.04 | 0.99 ± 0.08 | 0.85 ± 0.07 | 1.07 ± 0.05 | 0.71 ± 0.36 | 0.88 ± 0.09 |
| 1984-85 | 0.82 ± 0.03 | 0.85 ± 0.04 | 1.08 ± 0.06 | 1.04 ± 0.02 | 1.06 ± 0.07 | 1.21 ± 0.12 | 0.79 ± 0.06 | 0.92 ± 0.03 |

Table D.14. (Cont'd.)

| Species Year | Bay system | | | | | | | Coastwide |
|---|-------------|-------------|-------------|-------------|----------------|--------------------|--------------------|-------------|
| | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | |
| Southern flounder | | | | | | | | |
| 1974-76 | 0.62 ± 0.08 | 0.78 ± 0.30 | 0.64 ± 0.07 | 0.52 ± 0.09 | 0.38 ± 0.08 | 0.77 ± 0.09 | 0.77 ± 0.17 | 0.65 ± 0.05 |
| 1976-77 | 0.66 ± 0.15 | 0.52 ± 0.10 | 0.68 ± 0.18 | 0.45 ± 0.10 | 0.69 ± 0.32 | 0.59 ± 0.12 | 0.77 ± 0.12 | 0.64 ± 0.09 |
| 1977-78 | 0.64 ± 0.13 | 0.51 ± 0.12 | 0.63 ± 0.10 | 0.52 ± 0.21 | 0.67 ± 0.12 | 0.73 ± 0.08 | 0.87 ± 0.26 | 0.66 ± 0.09 |
| 1978-79 | 0.66 ± 0.24 | 0.43 ± 0.29 | 0.59 ± 0.22 | 0.78 ± 0.30 | 0.57 ± 0.17 | 0.76 ± 0.10 | 0.52 ± 0.07 | 0.60 ± 0.12 |
| 1979-80 | 0.54 ± 0.08 | 0.54 ± 0.19 | 0.67 ± 0.19 | 0.51 ± 0.05 | 0.61 ± 0.15 | 0.72 ± 0.12 | 0.62 ± 0.12 | 0.61 ± 0.06 |
| 1980-81 | 0.62 ± 0.12 | 0.55 ± 0.11 | 0.67 ± 0.09 | 0.69 ± 0.17 | 0.62 ± 0.14 | 0.59 ± 0.08 | 0.68 ± 0.13 | 0.65 ± 0.05 |
| 1981-82 | 0.59 ± 0.11 | 0.47 ± 0.04 | 0.71 ± 0.05 | 0.51 ± 0.06 | 0.56 ± 0.15 | 0.72 ± 0.09 | 0.74 ± 0.09 | 0.61 ± 0.06 |
| 1982-83 | 0.60 ± 0.11 | 0.54 ± 0.07 | 0.67 ± 0.14 | 0.46 ± 0.07 | 0.51 ± 0.07 | 0.69 ± 0.05 | 0.65 ± 0.06 | 0.61 ± 0.04 |
| 1983-84 | 0.53 ± 0.03 | 0.61 ± 0.05 | 0.65 ± 0.04 | 0.53 ± 0.03 | 0.56 ± 0.03 | 0.75 ± 0.04 | 0.66 ± 0.30 | 0.62 ± 0.09 |
| 1984-85 | 0.57 ± 0.02 | 0.59 ± 0.03 | 0.63 ± 0.04 | 0.50 ± 0.03 | 0.54 ± 0.03 | 0.63 ± 0.09 | 0.44 ± 0.05 | 0.56 ± 0.03 |
| Spotted seatrout | | | | | | | | |
| 1974-76 | 0.66 ± 0.28 | 0.41 ± 0.36 | 0.42 ± 0.14 | 0.32 ± 0.14 | 0.38 ± 0.17 | 0.54 ± 0.13 | 0.54 ± 0.22 | 0.44 ± 0.10 |
| 1976-77 | 0.60 ± 0.22 | 0.24 ± 0.05 | 0.49 ± 0.13 | 0.34 ± 0.22 | 0.49 ± 0.33 | 0.56 ± 0.38 | 0.48 ± 0.16 | 0.49 ± 0.17 |
| 1977-78 | 0.36 ± 0.11 | 0.25 ± 0.05 | 0.46 ± 0.20 | 0.32 ± 0.17 | 0.44 ± 0.23 | 0.45 ± 0.12 | 0.54 ± 0.18 | 0.48 ± 0.12 |
| 1978-79 | 0.71 ± 0.31 | 0.42 ± 0.18 | 0.40 ± 0.15 | 0.33 ± 0.26 | 0.45 ± 0.15 | 0.56 ± 0.20 | 0.48 ± 0.47 | 0.49 ± 0.14 |
| 1979-80 | 0.45 ± 0.13 | 0.46 ± 0.41 | 0.45 ± 0.10 | 0.38 ± 0.10 | 0.52 ± 0.15 | 0.51 ± 0.17 | 0.45 ± 0.18 | 0.47 ± 0.07 |
| 1980-81 | 0.66 ± 0.29 | 0.43 ± 0.08 | 0.47 ± 0.14 | 0.41 ± 0.06 | 0.51 ± 0.25 | 0.44 ± 0.11 | 0.49 ± 0.16 | 0.50 ± 0.10 |
| 1981-82 | 0.62 ± 0.20 | 0.45 ± 0.09 | 0.51 ± 0.07 | 0.41 ± 0.07 | 0.55 ± 0.14 | 0.46 ± 0.06 | 0.31 ± 0.05 | 0.51 ± 0.05 |
| 1982-83 | 0.76 ± 0.28 | 0.52 ± 0.12 | 0.55 ± 0.10 | 0.48 ± 0.14 | 0.54 ± 0.08 | 0.50 ± 0.11 | 0.61 ± 0.12 | 0.56 ± 0.06 |
| 1983-84 | 0.84 ± 0.05 | 0.66 ± 0.03 | 0.59 ± 0.02 | 0.51 ± 0.02 | 0.61 ± 0.03 | 0.67 ± 0.02 | 0.98 ± 0.18 | 0.72 ± 0.05 |
| 1984-85 | 0.92 ± 0.04 | 0.74 ± 0.05 | 0.72 ± 0.04 | 0.76 ± 0.58 | 0.73 ± 0.05 | 0.62 ± 0.02 | 0.67 ± 0.02 | 0.74 ± 0.10 |
| All species combined^a | | | | | | | | |
| 1974-76 | 0.41 ± 0.52 | 0.47 ± 0.40 | 0.53 ± 0.33 | 0.40 ± 0.22 | 0.52 ± 0.59 | 0.60 ± 0.30 | 0.68 ± 0.63 | 0.51 ± 0.18 |
| 1976-77 | 0.46 ± 0.56 | 0.54 ± 0.43 | 1.28 ± 3.50 | 0.39 ± 0.29 | 0.50 ± 0.46 | 0.56 ± 0.55 | 0.62 ± 1.03 | 0.57 ± 0.38 |
| 1977-78 | 0.43 ± 0.72 | 0.62 ± 0.65 | 0.62 ± 0.36 | 0.44 ± 0.43 | 0.56 ± 1.04 | 0.50 ± 0.24 | 0.77 ± 1.34 | 0.54 ± 0.40 |
| 1978-79 | 0.76 ± 4.54 | 0.58 ± 0.39 | 0.72 ± 0.89 | 0.42 ± 0.38 | 0.49 ± 0.27 | 0.59 ± 0.43 | 0.81 ± 2.63 | 0.68 ± 1.35 |
| 1979-80 | 0.28 ± 0.17 | 0.54 ± 0.36 | 0.64 ± 0.65 | 0.44 ± 0.14 | 0.77 ± 1.36 | 0.53 ± 0.20 | 0.51 ± 0.32 | 0.52 ± 0.28 |
| 1980-81 | 0.61 ± 1.46 | 0.50 ± 0.40 | 0.61 ± 0.25 | 0.50 ± 0.16 | 0.52 ± 0.22 | 0.46 ± 0.15 | 0.54 ± 0.19 | 0.55 ± 0.27 |
| 1981-82 | 0.51 ± 0.25 | 0.50 ± 0.18 | 0.62 ± 0.27 | 0.49 ± 0.13 | 0.51 ± 0.20 | 0.49 ± 0.12 | 0.64 ± 0.25 | 0.54 ± 0.09 |
| 1982-83 | 0.58 ± 0.45 | 0.55 ± 0.20 | 0.86 ± 0.57 | 0.58 ± 0.18 | 0.52 ± 0.43 | 0.56 ± 0.17 | 0.67 ± 0.16 | 0.61 ± 0.14 |
| 1983-84 | 0.72 ± 0.06 | 0.80 ± 0.05 | 0.80 ± 0.03 | 0.57 ± 0.05 | 0.53 ± 0.04 | 0.69 ± 0.02 | 0.99 ± 0.32 | 0.75 ± 0.09 |
| 1984-85 | 0.50 ± 0.05 | 0.99 ± 0.10 | 0.88 ± 0.05 | 0.88 ± 0.19 | 0.66 ± 0.05 | 0.59 ± 0.07 | 1.14 ± 0.29 | 0.84 ± 0.13 |

^aIncludes "other" species.

Table D.15. Mean weights of fishes (kg/fish) \pm 1 SE caught by private-boat fishermen in Texas bays and passes during the high-use season weekends by species and bay system (1974-1984). Blank = no fish weighed.

| Species | Bay system | | | | | | | Coastwide |
|----------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|--------------------|--------------------|-----------------|
| | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | |
| Atlantic croaker | | | | | | | | |
| 1974-75 | 0.20 \pm 0.12 | 0.19 \pm <.01 | 0.27 \pm 0.09 | 0.15 \pm <.01 | 0.32 \pm 0.21 | 0.35 \pm 0.19 | 0.33 \pm 0.18 | 0.26 \pm 0.14 |
| 1976 | 0.23 \pm 0.08 | 0.15 \pm 0.04 | 0.24 \pm 0.06 | 0.22 \pm 0.07 | 0.26 \pm 0.10 | 0.25 \pm 0.12 | 0.28 \pm 0.11 | 0.24 \pm 0.05 |
| 1977 | 0.22 \pm 0.10 | 0.13 \pm 0.07 | 0.39 \pm 0.14 | 0.27 \pm 0.14 | 0.21 \pm 0.11 | 0.28 \pm 0.06 | 0.23 \pm 0.05 | 0.22 \pm 0.06 |
| 1978 | 0.18 \pm 0.16 | 0.18 \pm 0.14 | 0.23 \pm 0.03 | 0.12 \pm 0.03 | 0.26 \pm 0.10 | 0.35 \pm 0.19 | 0.25 \pm 0.10 | 0.22 \pm 0.15 |
| 1979 | 0.21 \pm 0.12 | 0.28 \pm 0.12 | 0.30 \pm 0.09 | 0.10 \pm 0.08 | 0.24 \pm 0.09 | 0.25 \pm 0.08 | 0.22 \pm 0.06 | 0.22 \pm 0.06 |
| 1980 | 0.19 \pm 0.08 | 0.16 \pm 0.03 | 0.21 \pm 0.16 | 0.31 \pm 0.11 | 0.30 \pm 0.16 | 0.27 \pm 0.13 | 0.22 \pm 0.16 | 0.23 \pm 0.09 |
| 1981 | 0.17 \pm 0.10 | 0.15 \pm 0.23 | 0.12 \pm <.01 | 0.34 \pm <.01 | 0.28 \pm 0.08 | 0.28 \pm 0.04 | 0.21 \pm 0.04 | 0.24 \pm 0.09 |
| 1982 | 0.22 \pm 0.05 | 0.16 \pm 0.04 | 0.20 \pm 0.05 | 0.27 \pm 0.08 | 0.30 \pm 0.09 | 0.30 \pm 0.10 | 0.39 \pm 0.06 | 0.25 \pm 0.04 |
| 1983 | 0.21 \pm 0.04 | 0.16 \pm 0.01 | 0.17 \pm 0.02 | 0.33 \pm 0.03 | 0.21 \pm 0.01 | 0.33 \pm 0.01 | 0.26 \pm 0.02 | 0.24 \pm 0.03 |
| 1984 | 0.16 \pm 0.01 | 0.13 \pm 0.02 | 0.14 \pm 0.03 | 0.23 \pm 0.01 | 0.17 \pm 0.01 | 0.21 \pm 0.05 | 0.19 \pm 0.02 | 0.16 \pm 0.01 |
| Black drum | | | | | | | | |
| 1974-75 | 1.26 \pm 0.90 | 1.18 \pm 0.29 | 1.22 \pm 0.54 | 0.45 \pm <.01 | 0.60 \pm 0.20 | 4.29 \pm 2.76 | 1.06 \pm <.01 | 1.09 \pm 0.60 |
| 1976 | 0.78 \pm 0.61 | 0.42 \pm 0.14 | 0.54 \pm 0.45 | 0.74 \pm 0.19 | 0.74 \pm 0.12 | 0.77 \pm 0.33 | 0.88 \pm 0.46 | 0.72 \pm 0.16 |
| 1977 | 0.91 \pm 0.48 | 0.47 \pm 0.16 | 0.79 \pm 0.18 | 0.34 \pm 0.18 | 0.77 \pm 0.44 | 1.22 \pm 0.51 | 0.79 \pm 0.40 | 0.81 \pm 0.23 |
| 1978 | 1.22 \pm 0.63 | 1.67 \pm 1.37 | 1.03 \pm 0.40 | 0.22 \pm 0.08 | 1.26 \pm 0.88 | 2.88 \pm 2.25 | 1.27 \pm 0.50 | 1.35 \pm 0.38 |
| 1979 | 0.40 \pm 0.10 | 0.46 \pm 0.52 | 0.39 \pm 0.06 | 0.50 \pm 0.12 | 0.65 \pm 0.28 | 0.52 \pm 0.30 | 1.12 \pm <.01 | 0.46 \pm 0.10 |
| 1980 | 0.48 \pm 0.42 | 0.42 \pm 0.38 | 0.40 \pm 0.16 | 0.38 \pm 0.04 | 0.80 \pm 0.46 | 0.68 \pm 0.25 | 0.40 \pm 0.07 | 0.54 \pm 0.23 |
| 1981 | 0.67 \pm 0.24 | 0.41 \pm 0.09 | 0.53 \pm 0.04 | 0.54 \pm 0.09 | 0.59 \pm 0.34 | 0.56 \pm 0.09 | 2.39 \pm 0.72 | 0.74 \pm 0.50 |
| 1982 | 1.33 \pm 2.16 | 0.39 \pm 0.17 | 0.84 \pm 0.31 | 0.35 \pm 0.05 | 0.46 \pm 0.17 | 0.77 \pm 0.33 | 1.55 \pm 2.00 | 0.89 \pm 0.70 |
| 1983 | 0.99 \pm 0.24 | 0.55 \pm 0.06 | 0.84 \pm 0.06 | 0.84 \pm 0.14 | 0.67 \pm 0.03 | 1116 \pm 0.19 | 1.89 \pm 0.64 | 0.80 \pm 0.13 |
| 1984 | 1.12 \pm 0.22 | 0.60 \pm 0.09 | 0.88 \pm 0.18 | 0.96 \pm 0.96 | 0.97 \pm 0.05 | 0.38 \pm 0.09 | 1.43 \pm 0.28 | 1.05 \pm 0.19 |
| Gafftopsail catfish | | | | | | | | |
| 1974-75 | 1.47 \pm 0.07 | 0.59 \pm <.01 | 1.39 \pm 0.11 | 1.29 \pm 0.25 | | | | 1.27 \pm 0.06 |
| 1976 | 2.06 \pm 0.77 | 1.24 \pm 0.09 | 1.08 \pm 0.16 | 1.52 \pm 0.37 | 1.52 \pm 0.30 | | 0.22 \pm <.01 | 1.62 \pm 0.41 |
| 1977 | 0.88 \pm 0.15 | 1.39 \pm 0.24 | 1.43 \pm 0.13 | 1.90 \pm 1.05 | 1.27 \pm 0.30 | | | 1.33 \pm 0.16 |
| 1978 | 1.28 \pm 0.49 | 1.45 \pm 0.53 | 0.88 \pm 0.47 | 1.51 \pm 0.82 | 1.24 \pm 0.34 | 2.42 \pm 0.87 | 0.83 \pm 0.71 | 1.27 \pm 0.27 |
| 1979 | 0.72 \pm 0.23 | 1.21 \pm 0.52 | 1.51 \pm 0.32 | | 1.62 \pm 0.08 | 1.02 \pm <.01 | | 1.32 \pm 0.28 |
| 1980 | 1.24 \pm 0.19 | 1.28 \pm 0.45 | 0.67 \pm 0.27 | 1.37 \pm 0.27 | 1.17 \pm 0.75 | 0.35 \pm <.01 | | 1.19 \pm 0.21 |
| 1981 | 0.81 \pm 0.31 | 1.37 \pm 0.44 | 1.79 \pm 0.05 | 1.09 \pm 0.30 | 1.33 \pm 0.13 | | | 1.28 \pm 0.17 |
| 1982 | 0.72 \pm 0.40 | 0.96 \pm 0.22 | 1.72 \pm 0.16 | 0.87 \pm 0.38 | 0.77 \pm 0.34 | 0.20 \pm 0.05 | 1.40 \pm 1.00 | 0.92 \pm 0.16 |
| 1983 | 0.38 \pm 0.38 | 1.03 \pm 0.13 | 1.04 \pm 0.05 | 1.00 \pm 0.05 | 1.36 \pm 0.10 | 1.10 \pm 0.18 | | 1.06 \pm 0.13 |
| 1984 | 1.07 \pm 0.22 | 1.16 \pm 0.14 | 1.24 \pm 0.13 | 0.58 \pm 0.29 | 1.70 \pm 0.13 | 0.24 \pm 0.24 | | 1.07 \pm 0.18 |

Table D.15. (Cont'd.)

| Species Year | Bay system | | | | | | | Coastwide |
|----------------------|-------------|-------------|-------------|-------------|----------------|--------------------|--------------------|-------------|
| | Galveston | Matagorda | San Antonio | | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | |
| | | | Aransas | | | | | |
| Red drum | | | | | | | | |
| 1974-75 | 0.65 ± 0.25 | 0.84 ± 0.36 | 1.10 ± 0.41 | 1.25 ± 0.24 | 0.92 ± 0.56 | 1.18 ± 0.30 | 0.95 ± 0.50 | 1.04 ± 0.17 |
| 1976 | 1.27 ± 0.24 | 1.04 ± 0.34 | 1.18 ± 0.39 | 0.95 ± 0.52 | 0.95 ± 0.37 | 1.10 ± 0.24 | 0.88 ± 0.48 | 1.03 ± 0.21 |
| 1977 | 1.06 ± 0.38 | 1.23 ± 0.22 | 0.81 ± 0.32 | 1.47 ± 0.57 | 1.16 ± 0.73 | 1.24 ± 0.16 | 1.33 ± 0.43 | 1.06 ± 0.22 |
| 1978 | 1.76 ± 0.78 | 0.97 ± 0.37 | 1.23 ± 0.33 | 0.82 ± 0.42 | 1.32 ± 0.67 | 1.14 ± 0.39 | 1.51 ± 0.46 | 1.32 ± 0.26 |
| 1979 | 0.59 ± 0.21 | 1.00 ± 0.85 | 1.24 ± 1.55 | 0.77 ± 0.32 | 1.35 ± 0.50 | 1.14 ± 0.45 | 0.88 ± 0.43 | 1.09 ± 0.45 |
| 1980 | 0.94 ± 0.33 | 1.32 ± 0.37 | 1.07 ± 0.26 | 0.98 ± 0.47 | 1.02 ± 0.25 | 0.98 ± 0.21 | 0.88 ± 0.23 | 1.04 ± 0.12 |
| 1981 | 2.00 ± 0.60 | 1.14 ± 0.30 | 1.43 ± 0.21 | 1.16 ± 0.20 | 1.08 ± 0.35 | 1.09 ± 0.11 | 1.46 ± 0.36 | 1.29 ± 0.20 |
| 1982 | 1.03 ± 0.81 | 1.68 ± 0.49 | 1.72 ± 0.59 | 1.47 ± 0.24 | 1.45 ± 0.21 | 1.54 ± 0.34 | 1.71 ± 0.26 | 1.60 ± 0.21 |
| 1983 | 2.41 ± 0.46 | 1.39 ± 0.09 | 1.30 ± 0.06 | 1.32 ± 0.07 | 1.13 ± 0.07 | 1.56 ± 0.08 | 2.38 ± 0.63 | 1.56 ± 0.18 |
| 1984 | 1.66 ± 0.17 | 2.38 ± 0.12 | 2.20 ± 0.18 | 1.56 ± 0.15 | 1.84 ± 0.12 | 1.87 ± 0.17 | 2.09 ± 0.09 | 1.84 ± 0.13 |
| Sand seatrout | | | | | | | | |
| 1974-75 | 0.37 ± 0.18 | 0.25 ± 0.04 | 0.27 ± 0.06 | 0.26 ± 0.04 | 0.28 ± 0.05 | 0.38 ± 0.08 | 0.27 ± 0.02 | 0.34 ± 0.10 |
| 1976 | 0.36 ± 0.13 | 0.24 ± 0.05 | 0.22 ± <.01 | 0.21 ± 0.01 | 0.31 ± 0.16 | 0.25 ± 0.06 | 0.29 ± 0.10 | 0.32 ± 0.15 |
| 1977 | 0.37 ± 0.09 | 0.26 ± 0.06 | 0.24 ± 0.06 | 0.25 ± 0.28 | 0.38 ± 0.21 | 0.40 ± 0.12 | 0.30 ± 0.12 | 0.35 ± 0.08 |
| 1978 | 0.29 ± 0.20 | 0.27 ± 0.12 | 0.22 ± 0.11 | 0.37 ± 0.19 | 0.29 ± 0.14 | 0.44 ± 0.10 | 0.20 ± 0.02 | 0.29 ± 0.11 |
| 1979 | 0.20 ± 0.08 | 0.02 ± 0.08 | 0.21 ± 0.04 | 0.26 ± 0.04 | 0.29 ± 0.06 | 0.35 ± 0.17 | 0.27 ± 0.07 | 0.22 ± 0.05 |
| 1980 | 0.21 ± 0.10 | 0.24 ± 0.10 | 0.31 ± 0.04 | 0.21 ± 0.04 | 0.29 ± 0.15 | 0.30 ± 0.12 | 0.24 ± 0.10 | 0.25 ± 0.07 |
| 1981 | 0.26 ± 0.05 | 0.17 ± 0.07 | 0.26 ± 0.03 | 0.21 ± <.01 | 0.28 ± 0.11 | 0.33 ± 0.05 | 0.31 ± 0.14 | 0.27 ± 0.06 |
| 1982 | 0.25 ± 0.09 | 0.19 ± 0.03 | 0.26 ± 0.09 | 0.24 ± 0.07 | 0.26 ± 0.19 | 0.32 ± 0.04 | 0.34 ± 0.10 | 0.25 ± 0.07 |
| 1983 | 0.24 ± 0.01 | 0.24 ± 0.02 | 0.28 ± 0.05 | 0.26 ± 0.04 | 0.34 ± 0.03 | 0.36 ± 0.01 | 0.44 ± 0.17 | 0.29 ± 0.03 |
| 1984 | 0.21 ± 0.02 | 0.25 ± 0.03 | 0.24 ± 0.02 | 0.23 ± 0.00 | 0.22 ± 0.02 | 0.25 ± 0.02 | 0.28 ± 0.03 | 0.22 ± 0.02 |
| Sheepshead | | | | | | | | |
| 1974-75 | 0.34 ± <.01 | 0.32 ± <.01 | 0.81 ± 0.32 | 0.65 ± 0.40 | 0.89 ± 0.32 | 1.33 ± 0.39 | 0.87 ± 0.53 | 0.65 ± 0.30 |
| 1976 | 0.77 ± 0.18 | 1.03 ± 0.90 | 1.04 ± 0.45 | 0.59 ± 0.10 | 0.86 ± 0.14 | 0.65 ± 0.15 | 0.97 ± 0.11 | 0.88 ± 0.22 |
| 1977 | 0.86 ± 0.27 | 0.67 ± 0.28 | 0.92 ± 0.07 | 0.68 ± 0.32 | 0.61 ± 0.07 | 1.02 ± 0.23 | 0.70 ± 0.50 | 0.80 ± 0.14 |
| 1978 | 0.79 ± 0.18 | 0.55 ± 0.20 | 0.86 ± 0.21 | 0.60 ± 0.21 | 0.76 ± 0.38 | 1.24 ± 0.15 | 0.83 ± 0.22 | 0.74 ± 0.11 |
| 1979 | 0.87 ± 0.12 | 0.70 ± 0.20 | 1.01 ± 0.24 | 0.66 ± 0.19 | 1.01 ± 0.37 | 1.00 ± 0.13 | 0.74 ± 0.16 | 0.86 ± 0.10 |
| 1980 | 0.50 ± 0.36 | 0.29 ± 0.04 | 0.64 ± 0.10 | 0.53 ± 0.20 | 0.67 ± 0.18 | 1.00 ± 0.24 | 0.71 ± 0.11 | 0.57 ± 0.16 |
| 1981 | 0.82 ± 0.15 | 0.50 ± 0.12 | 0.92 ± 0.34 | 0.82 ± 0.15 | 0.90 ± 0.19 | 0.88 ± 0.17 | 0.90 ± 0.23 | 0.75 ± 0.14 |
| 1982 | 0.92 ± 0.14 | 0.70 ± 0.35 | 1.01 ± 0.20 | 0.90 ± 0.21 | 0.89 ± 0.18 | 1.16 ± 0.09 | 0.53 ± 0.22 | 0.90 ± 0.09 |
| 1983 | 0.79 ± 0.04 | 0.78 ± 0.06 | 0.99 ± 0.05 | 1.00 ± 0.05 | 0.97 ± 0.11 | 1.11 ± 0.05 | 0.77 ± 0.08 | 0.92 ± 0.06 |
| 1984 | 0.81 ± 0.04 | 0.86 ± 0.06 | 0.96 ± 0.04 | 0.77 ± 0.06 | 1.02 ± 0.17 | 1.39 ± 0.21 | 0.91 ± 0.07 | 0.83 ± 0.05 |

Table D.15. (Cont'd.)

| Species | Bay system | | | | | | | Coastwide |
|---|-------------|-------------|-------------|-------------|----------------|--------------------|--------------------|-------------|
| | Galveston | Matagorda | San Antonio | | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | |
| | | | Aransas | | | | | |
| Southern flounder | | | | | | | | |
| 1974-75 | 0.45 ± 0.28 | 0.98 ± 0.01 | 0.60 ± 0.07 | 0.57 ± 0.10 | 0.81 ± 0.32 | 0.73 ± 0.12 | 0.92 ± 0.40 | 0.69 ± 0.07 |
| 1976 | 0.68 ± 0.20 | 0.43 ± 0.07 | 0.69 ± 0.25 | 0.41 ± 0.09 | 0.74 ± 0.41 | 0.59 ± 0.12 | 0.78 ± 0.14 | 0.66 ± 0.12 |
| 1977 | 0.69 ± 0.16 | 0.55 ± 0.25 | 0.63 ± 0.13 | 0.51 ± 0.27 | 0.74 ± 0.08 | 0.78 ± 0.10 | 0.88 ± 0.21 | 0.67 ± 0.10 |
| 1978 | 0.68 ± 0.27 | 0.54 ± 0.19 | 0.59 ± 0.27 | 0.43 ± 0.12 | 0.55 ± 0.22 | 0.81 ± 0.15 | 0.52 ± 0.10 | 0.60 ± 0.11 |
| 1979 | 0.53 ± 0.10 | 0.60 ± 0.21 | 0.61 ± 0.11 | 0.49 ± 0.05 | 0.74 ± 0.11 | 0.77 ± 0.20 | 0.72 ± 0.10 | 0.64 ± 0.06 |
| 1980 | 0.62 ± 0.18 | 0.54 ± 0.16 | 0.68 ± 0.14 | 0.50 ± 0.11 | 0.62 ± 0.19 | 0.51 ± 0.09 | 0.83 ± 0.15 | 0.66 ± 0.07 |
| 1981 | 0.47 ± 0.10 | 0.45 ± 0.04 | 0.76 ± 0.08 | 0.49 ± 0.07 | 0.55 ± 0.10 | 0.84 ± 0.16 | 0.79 ± 0.17 | 0.66 ± 0.08 |
| 1982 | 0.59 ± 0.15 | 0.58 ± 0.09 | 0.63 ± 0.22 | 0.43 ± 0.12 | 0.56 ± 0.20 | 0.70 ± 0.07 | 0.67 ± 0.10 | 0.61 ± 0.07 |
| 1983 | 0.50 ± 0.02 | 0.66 ± 0.06 | 0.64 ± 0.06 | 0.60 ± 0.05 | 0.49 ± 0.07 | 0.76 ± 0.05 | 0.64 ± 0.02 | 0.63 ± 0.05 |
| 1984 | 0.59 ± 0.03 | 0.59 ± 0.03 | 0.67 ± 0.04 | 0.50 ± 0.03 | 0.63 ± 0.06 | 0.70 ± 0.16 | 0.59 ± 0.10 | 0.59 ± 0.04 |
| Spotted seatrout | | | | | | | | |
| 1974-75 | 0.59 ± 0.67 | 0.35 ± 0.19 | 0.41 ± 0.28 | 0.32 ± 0.08 | 0.38 ± 0.18 | 0.54 ± 0.24 | 0.51 ± 0.35 | 0.44 ± 0.19 |
| 1976 | 0.56 ± 0.24 | 0.39 ± 0.06 | 0.47 ± 0.17 | 0.33 ± 0.33 | 0.45 ± 0.39 | 0.56 ± 0.51 | 0.46 ± 0.16 | 0.47 ± 0.26 |
| 1977 | 0.68 ± 0.50 | 0.45 ± 0.30 | 0.46 ± 0.27 | 0.30 ± 0.12 | 0.43 ± 0.27 | 0.44 ± 0.16 | 0.55 ± 0.28 | 0.47 ± 0.16 |
| 1978 | 0.70 ± 0.33 | 0.42 ± 0.21 | 0.38 ± 0.14 | 0.28 ± 0.24 | 0.44 ± 0.14 | 0.57 ± 0.28 | 0.44 ± 0.45 | 0.47 ± 0.17 |
| 1979 | 0.42 ± 0.11 | 0.35 ± 0.36 | 0.44 ± 0.12 | 0.37 ± 0.12 | 0.52 ± 0.22 | 0.53 ± 0.20 | 0.48 ± 0.27 | 0.45 ± 0.09 |
| 1980 | 0.48 ± 0.33 | 0.43 ± 0.12 | 0.45 ± 0.21 | 0.43 ± 0.10 | 0.43 ± 0.16 | 0.43 ± 0.16 | 0.50 ± 0.29 | 0.45 ± 0.09 |
| 1981 | 0.68 ± 0.24 | 0.43 ± 0.12 | 0.47 ± 0.13 | 0.37 ± 0.10 | 0.54 ± 0.22 | 0.45 ± 0.14 | 0.49 ± 0.14 | 0.49 ± 0.08 |
| 1982 | 0.66 ± 0.39 | 0.50 ± 0.18 | 0.52 ± 0.19 | 0.47 ± 0.14 | 0.50 ± 0.08 | 0.49 ± 0.19 | 0.63 ± 0.25 | 0.54 ± 0.10 |
| 1983 | 0.74 ± 0.07 | 0.67 ± 0.06 | 0.55 ± 0.02 | 0.50 ± 0.02 | 0.62 ± 0.04 | 0.65 ± 0.02 | 0.88 ± 0.14 | 0.66 ± 0.05 |
| 1984 | 0.87 ± 0.05 | 0.85 ± 0.10 | 0.70 ± 0.05 | 0.71 ± 0.04 | 0.70 ± 0.07 | 0.61 ± 0.05 | 0.67 ± 0.03 | 0.78 ± 0.05 |
| All species combined^a | | | | | | | | |
| 1974-75 | 0.40 ± 0.79 | 0.42 ± 0.50 | 0.57 ± 0.62 | 0.42 ± 0.44 | 0.38 ± 0.23 | 0.58 ± 0.33 | 0.52 ± 0.44 | 0.50 ± 0.25 |
| 1976 | 0.40 ± 0.52 | 0.56 ± 0.67 | 0.66 ± 0.50 | 0.36 ± 0.35 | 0.45 ± 0.24 | 0.52 ± 0.95 | 0.51 ± 0.32 | 0.47 ± 0.25 |
| 1977 | 0.42 ± 0.17 | 0.54 ± 0.46 | 0.59 ± 0.52 | 0.40 ± 0.47 | 0.43 ± 0.44 | 0.46 ± 0.25 | 0.54 ± 0.29 | 0.45 ± 0.35 |
| 1978 | 0.44 ± 0.80 | 0.59 ± 0.49 | 0.49 ± 0.36 | 0.33 ± 0.37 | 0.46 ± 0.25 | 0.53 ± 0.35 | 0.48 ± 0.48 | 0.47 ± 0.30 |
| 1979 | 0.27 ± 0.17 | 0.52 ± 0.49 | 0.54 ± 0.46 | 0.40 ± 0.12 | 0.54 ± 0.26 | 0.50 ± 0.26 | 0.50 ± 0.25 | 0.43 ± 0.21 |
| 1980 | 0.34 ± 0.42 | 0.53 ± 0.50 | 0.56 ± 0.35 | 0.48 ± 0.31 | 0.44 ± 0.34 | 0.44 ± 0.26 | 0.55 ± 0.33 | 0.47 ± 0.18 |
| 1981 | 0.50 ± 0.63 | 0.45 ± 0.29 | 0.57 ± 0.37 | 0.43 ± 0.17 | 0.49 ± 0.45 | 0.45 ± 0.21 | 0.56 ± 0.45 | 0.50 ± 0.15 |
| 1982 | 0.53 ± 0.62 | 0.53 ± 0.39 | 0.79 ± 0.52 | 0.57 ± 0.25 | 0.42 ± 0.33 | 0.54 ± 0.38 | 0.72 ± 0.39 | 0.57 ± 0.22 |
| 1983 | 0.63 ± 0.09 | 0.69 ± 0.04 | 0.74 ± 0.03 | 0.54 ± 0.05 | 0.55 ± 0.03 | 0.65 ± 0.03 | 1.08 ± 0.24 | 0.71 ± 0.07 |
| 1984 | 0.37 ± 0.05 | 1.03 ± 0.17 | 0.83 ± 0.07 | 0.52 ± 0.09 | 0.69 ± 0.10 | 0.51 ± 0.11 | 1.00 ± 0.07 | 0.49 ± 0.06 |

^aIncludes "other" species.

Table D.16. Mean weights of fishes (kg/fish) \pm 1 SE caught by private-boat fishermen in Texas bays and passes during the high-use season weekdays (1974-1984). Blank = no fish weighed.

| Species | Bay system | | | | | | | Coastwide |
|----------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|--------------------|--------------------|-----------------|
| | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | |
| Atlantic croaker | | | | | | | | |
| 1974-75 | 0.19 \pm 0.04 | 0.35 \pm <.01 | 0.22 \pm 0.22 | 0.22 \pm <.01 | 0.46 \pm <.01 | 0.36 \pm 0.15 | 0.39 \pm <.01 | 0.26 \pm 0.11 |
| 1976 | | | | | | | | |
| 1977 | | | | | | | | |
| 1978 | | | | | | | | |
| 1979 | 0.15 \pm <.01 | | 0.42 \pm 0.08 | | 0.10 \pm <.01 | 0.26 \pm 0.13 | | 0.24 \pm 0.08 |
| 1980 | 0.23 \pm 0.20 | 0.16 \pm 0.05 | 0.25 \pm 0.17 | 0.25 \pm 0.04 | 0.32 \pm 0.15 | 0.32 \pm 0.13 | 0.20 \pm 0.04 | 0.24 \pm 0.08 |
| 1981 | 0.19 \pm 0.04 | 0.17 \pm 0.02 | 0.23 \pm 0.17 | 0.25 \pm 0.02 | 0.36 \pm 0.24 | 0.24 \pm 0.13 | 0.33 \pm 0.04 | 0.29 \pm 0.16 |
| 1982 | 0.21 \pm 0.06 | 0.17 \pm 0.02 | 0.21 \pm 0.07 | 0.27 \pm 0.15 | 0.36 \pm 0.12 | 0.29 \pm 0.10 | 0.20 \pm 0.05 | 0.26 \pm 0.08 |
| 1983 | 0.24 \pm 0.03 | 0.18 \pm 0.02 | 0.17 \pm 0.02 | 0.37 \pm 0.02 | 0.33 \pm 0.01 | 0.32 \pm 0.02 | 0.63 \pm 0.41 | 0.27 \pm 0.03 |
| 1984 | 0.22 \pm 0.03 | 0.16 \pm 0.01 | 0.21 \pm 0.14 | 0.23 \pm 0.05 | 0.21 \pm 0.02 | 0.21 \pm 0.01 | 0.13 \pm 0.01 | 0.22 \pm 0.03 |
| Black drum | | | | | | | | |
| 1974-75 | | 0.71 \pm <.01 | 0.85 \pm 0.03 | 0.50 \pm 0.04 | 1.29 \pm 2.56 | 0.69 \pm 0.02 | 1.08 \pm 1.11 | 0.91 \pm 0.54 |
| 1976 | | | | | | | | |
| 1977 | | | | | | | | |
| 1978 | | | | | | | | |
| 1979 | 1.60 \pm <.01 | 0.15 \pm <.01 | 0.55 \pm <.01 | | | | 0.58 \pm 0.54 | 0.68 \pm 0.30 |
| 1980 | 0.65 \pm 0.21 | 0.42 \pm 0.21 | 0.45 \pm 0.06 | 0.50 \pm 0.11 | 0.47 \pm 0.22 | 0.97 \pm 0.22 | 1.45 \pm 1.47 | 0.56 \pm 0.13 |
| 1981 | 0.53 \pm 0.24 | 0.58 \pm 0.43 | 0.76 \pm 0.53 | 0.47 \pm 0.07 | 0.64 \pm 0.38 | 1.10 \pm 0.36 | 1.70 \pm 0.71 | 0.63 \pm 0.15 |
| 1982 | 0.79 \pm 0.42 | 0.36 \pm 0.08 | 0.94 \pm 0.16 | 0.32 \pm 0.16 | 0.64 \pm 0.42 | 0.80 \pm 0.25 | 0.77 \pm 0.47 | 0.65 \pm 0.15 |
| 1983 | 0.93 \pm 0.22 | 0.78 \pm 0.14 | 0.87 \pm 0.12 | 0.90 \pm 0.08 | 0.89 \pm 0.14 | 0.76 \pm 0.10 | 1.24 \pm 0.47 | 0.88 \pm 0.18 |
| 1984 | 1.85 \pm 0.26 | 0.66 \pm 0.13 | 0.84 \pm 0.18 | 0.94 \pm 0.22 | 0.55 \pm 0.12 | 0.71 \pm 0.22 | 0.90 \pm 0.37 | 1.31 \pm 0.21 |
| Gafftopsail catfish | | | | | | | | |
| 1974-75 | 1.47 \pm 0.07 | | 1.38 \pm <.01 | 0.55 \pm <.01 | | | | 1.06 \pm 0.55 |
| 1976 | | | | | | | | |
| 1977 | | | | | | | | |
| 1978 | | | | | | | | |
| 1979 | | | | | | | | |
| 1980 | 0.95 \pm <.01 | | 0.80 \pm <.01 | | | | | 0.90 \pm 0.08 |
| 1981 | 1.11 \pm 0.46 | 1.14 \pm 0.59 | 1.48 \pm 0.44 | 0.39 \pm 0.09 | 1.43 \pm 0.56 | 0.19 \pm <.01 | 0.23 \pm <.01 | 1.28 \pm 0.31 |
| 1982 | 1.52 \pm 0.48 | 1.50 \pm 0.40 | 1.03 \pm 0.13 | 0.95 \pm 0.19 | 1.06 \pm 0.48 | 0.20 \pm 0.00 | 0.60 \pm 0.00 | 1.14 \pm 0.27 |
| 1983 | 0.73 \pm 0.10 | 0.84 \pm 0.08 | 1.14 \pm 0.19 | 1.13 \pm 0.18 | 1.44 \pm 0.12 | 1.68 \pm 1.68 | 0.78 \pm 0.11 | 1.19 \pm 0.13 |
| 1984 | 0.99 \pm 0.15 | 1.36 \pm 0.23 | 0.71 \pm 0.02 | 1.20 \pm 0.23 | 1.36 \pm 0.13 | 0.37 \pm 0.37 | 0.18 \pm 0.18 | 1.10 \pm 0.18 |

Table D.16. (Cont'd.)

| Species | Bay system | | | | | | | Coastwide |
|---------------|-------------|-------------|-------------|-------------|----------------|--------------------|--------------------|-------------|
| | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | |
| Red drum | | | | | | | | |
| 1974-75 | 0.65 ± 0.25 | 0.94 ± <.01 | 1.39 ± 0.45 | 0.59 ± <.01 | 1.92 ± <.01 | 0.69 ± 0.02 | 1.60 ± 1.60 | 1.45 ± 0.42 |
| 1976 | | | | | | | | |
| 1977 | | | | | | | | |
| 1978 | | | | | | | | |
| 1979 | 0.54 ± 0.48 | | 0.98 ± 0.80 | | | 0.55 ± <.01 | 0.50 ± 0.06 | 0.76 ± 0.34 |
| 1980 | 1.32 ± 0.63 | 1.54 ± 0.78 | 0.64 ± 0.29 | 1.06 ± 0.15 | 0.10 ± 0.52 | 0.90 ± 0.13 | 1.08 ± 0.26 | 1.21 ± 0.17 |
| 1981 | 1.56 ± 0.44 | 1.89 ± 0.49 | 1.42 ± 0.26 | 1.23 ± 0.25 | 1.12 ± 0.20 | 1.25 ± 0.26 | 1.33 ± 0.16 | 1.36 ± 0.13 |
| 1982 | 1.46 ± 0.28 | 1.52 ± 0.30 | 1.61 ± 0.38 | 1.39 ± 0.30 | 1.44 ± 0.28 | 1.59 ± 0.22 | 1.43 ± 0.29 | 1.52 ± 0.13 |
| 1983 | 1.47 ± 0.16 | 1.61 ± 0.13 | 1.48 ± 0.08 | 1.49 ± 0.11 | 1.44 ± 0.10 | 1.69 ± 0.10 | 1.43 ± 0.70 | 1.52 ± 0.22 |
| 1984 | 2.37 ± 0.17 | 2.11 ± 0.12 | 2.03 ± 0.10 | 1.83 ± 0.17 | 1.63 ± 0.10 | 1.83 ± 0.22 | 2.14 ± 0.12 | 2.00 ± 0.14 |
| Sand seatrout | | | | | | | | |
| 1974-75 | 0.59 ± 0.67 | 0.26 ± <.01 | 0.28 ± 0.03 | 0.14 ± <.01 | 0.33 ± 0.14 | 0.28 ± 0.02 | | 0.30 ± 0.07 |
| 1976 | | | | | | | | |
| 1977 | | | | | | | | |
| 1978 | | | | | | | | |
| 1979 | 0.36 ± <.01 | | 0.28 ± <.01 | | 0.32 ± 0.12 | 0.34 ± 0.04 | 0.36 ± 0.05 | 0.33 ± 0.07 |
| 1980 | 0.26 ± 0.11 | 0.21 ± 0.06 | 0.30 ± 0.02 | 0.27 ± 0.04 | 0.27 ± 0.12 | 0.30 ± 0.05 | 0.31 ± 0.13 | 0.27 ± 0.05 |
| 1981 | 0.27 ± 0.11 | 0.29 ± 0.14 | 0.24 ± 0.04 | 0.25 ± 0.04 | 0.31 ± 0.07 | 0.31 ± 0.07 | 0.30 ± 0.04 | 0.29 ± 0.04 |
| 1982 | 0.24 ± 0.05 | 0.23 ± 0.06 | 0.32 ± 0.07 | 0.24 ± 0.07 | 0.28 ± 0.09 | 0.33 ± 0.05 | 0.33 ± 0.10 | 0.27 ± 0.04 |
| 1983 | 0.27 ± 0.02 | 0.29 ± 0.05 | 0.28 ± 0.02 | 0.27 ± 0.02 | 0.28 ± 0.02 | 0.30 ± 0.02 | 0.28 ± 0.01 | 0.28 ± 0.02 |
| 1984 | 0.25 ± 0.01 | 0.26 ± 0.02 | 0.28 ± 0.01 | 0.28 ± 0.02 | 0.24 ± 0.02 | 0.28 ± 0.05 | 0.24 ± 0.01 | 0.25 ± 0.01 |
| Sheepshead | | | | | | | | |
| 1974-75 | 0.34 ± <.01 | 0.75 ± <.01 | 0.95 ± 0.34 | | 1.13 ± <.01 | 0.34 ± <.01 | | 0.82 ± 0.19 |
| 1976 | | | | | | | | |
| 1977 | | | | | | | | |
| 1978 | | | | | | | | |
| 1979 | 1.13 ± <.01 | 0.20 ± <.01 | 0.95 ± 0.08 | | | | 0.65 ± 0.35 | 0.83 ± 0.34 |
| 1980 | 1.03 ± 0.08 | 0.51 ± 0.18 | 0.73 ± 0.21 | 0.83 ± 0.67 | 0.82 ± 0.40 | 0.45 ± <.01 | 0.84 ± 0.18 | 0.84 ± 0.15 |
| 1981 | 0.86 ± 0.18 | 0.50 ± 0.14 | 0.90 ± 0.17 | 0.65 ± 0.20 | 0.75 ± 0.18 | 1.15 ± 0.11 | 0.61 ± 0.10 | 0.77 ± 0.09 |
| 1982 | 0.85 ± 0.30 | 0.44 ± 0.08 | 0.93 ± 0.14 | 0.91 ± 0.13 | 0.91 ± 0.18 | 1.27 ± 0.19 | 0.83 ± 0.19 | 0.77 ± 0.25 |
| 1983 | 0.73 ± 0.04 | 0.94 ± 0.08 | 1.12 ± 0.09 | 0.79 ± 0.05 | 0.80 ± 0.07 | 1.00 ± 0.08 | 0.76 ± 0.04 | 0.88 ± 0.06 |
| 1984 | 0.81 ± 0.03 | 0.79 ± 0.06 | 1.12 ± 0.07 | 0.77 ± 0.16 | 1.06 ± 0.11 | 1.50 ± 0.20 | 0.82 ± 0.09 | 0.83 ± 0.05 |

Table D.16. (Cont'd.)

| Species Year | Bay system | | | | | | | Coastwide |
|-----------------------------------|-------------|-------------|-------------|-------------|----------------|--------------------|--------------------|-------------|
| | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | |
| Southern flounder | | | | | | | | |
| 1974-75 | 0.45 ± 0.28 | 0.36 ± <.01 | 0.62 ± 0.13 | 1.14 ± <.01 | | 0.70 ± 0.28 | | 0.62 ± 0.10 |
| 1976 | | | | | | | | |
| 1977 | | | | | | | | |
| 1978 | | | | | | | | |
| 1979 | 0.70 ± 0.06 | | 0.76 ± 0.48 | | | 0.68 ± 0.46 | 0.83 ± 0.01 | 0.75 ± 0.27 |
| 1980 | 0.63 ± 0.21 | 0.64 ± 0.15 | 0.62 ± 0.06 | 0.76 ± 0.14 | 0.62 ± 0.24 | 0.66 ± 0.11 | 0.59 ± 0.08 | 0.64 ± 0.10 |
| 1981 | 0.62 ± 0.16 | 0.47 ± 0.06 | 0.72 ± 0.07 | 0.52 ± 0.12 | 0.55 ± 0.24 | 0.65 ± 0.13 | 0.79 ± 0.07 | 0.61 ± 0.10 |
| 1982 | 0.66 ± 0.13 | 0.53 ± 0.12 | 0.66 ± 0.13 | 0.47 ± 0.07 | 0.48 ± 0.06 | 0.69 ± 0.10 | 0.63 ± 0.07 | 0.61 ± 0.05 |
| 1983 | 0.55 ± 0.05 | 0.51 ± 0.03 | 0.68 ± 0.05 | 0.49 ± 0.02 | 0.58 ± 0.04 | 0.71 ± 0.04 | 0.68 ± 0.07 | 0.61 ± 0.03 |
| 1984 | 0.57 ± 0.04 | 0.60 ± 0.05 | 0.63 ± 0.04 | 0.53 ± 0.04 | 0.52 ± 0.04 | 0.78 ± 0.12 | 0.53 ± 0.08 | 0.56 ± 0.04 |
| Spotted seatrout | | | | | | | | |
| 1974-75 | 0.59 ± 0.67 | 0.29 ± <.01 | 0.45 ± 0.19 | 0.25 ± 0.08 | 0.53 ± <.01 | 0.53 ± 0.39 | 0.49 ± 0.64 | 0.42 ± 0.22 |
| 1976 | | | | | | | | |
| 1977 | | | | | | | | |
| 1978 | | | | | | | | |
| 1979 | 0.53 ± <.01 | 0.37 ± <.01 | 0.46 ± 0.19 | 0.36 ± <.01 | 0.76 ± <.01 | 0.42 ± 0.10 | 0.46 ± 0.35 | 0.45 ± 0.12 |
| 1980 | 0.68 ± 0.33 | 0.38 ± 0.08 | 0.51 ± 0.23 | 0.40 ± 0.08 | 0.47 ± 0.32 | 0.44 ± 0.25 | 0.45 ± 0.12 | 0.52 ± 0.20 |
| 1981 | 0.60 ± 0.27 | 0.43 ± 0.09 | 0.52 ± 0.10 | 0.42 ± 0.07 | 0.56 ± 0.22 | 0.46 ± 0.11 | 0.54 ± 0.12 | 0.52 ± 0.07 |
| 1982 | 0.86 ± 0.27 | 0.51 ± 0.17 | 0.53 ± 0.12 | 0.46 ± 0.13 | 0.55 ± 0.12 | 0.49 ± 0.12 | 0.57 ± 0.13 | 0.55 ± 0.07 |
| 1983 | 0.89 ± 0.04 | 0.63 ± 0.04 | 0.62 ± 0.03 | 0.54 ± 0.04 | 0.59 ± 0.03 | 0.69 ± 0.02 | 0.59 ± 0.03 | 0.76 ± 0.10 |
| 1984 | 0.94 ± 0.05 | 0.59 ± 0.03 | 0.69 ± 0.06 | 0.82 ± 0.18 | 0.85 ± 0.06 | 0.70 ± 0.06 | 0.64 ± 0.02 | 0.74 ± 0.06 |
| All species combined ^a | | | | | | | | |
| 1974-75 | 0.40 ± 0.79 | 0.33 ± <.01 | 0.50 ± 0.29 | 0.27 ± 0.19 | 0.54 ± 1.25 | 0.48 ± 0.46 | 0.61 ± 1.02 | 0.47 ± 0.24 |
| 1976 | | | | | | | | |
| 1977 | | | | | | | | |
| 1978 | | | | | | | | |
| 1979 | 0.49 ± 0.58 | 0.29 ± <.01 | 0.58 ± 0.47 | 0.36 ± <.01 | 0.33 ± 0.50 | 0.35 ± 0.12 | 0.46 ± 0.03 | 0.51 ± 0.21 |
| 1980 | 0.54 ± 0.59 | 0.41 ± 0.68 | 0.64 ± 0.29 | 0.54 ± 0.24 | 0.50 ± 0.34 | 0.48 ± 0.19 | 0.51 ± 0.27 | 0.54 ± 0.18 |
| 1981 | 0.51 ± 0.32 | 0.51 ± 0.21 | 0.60 ± 0.20 | 0.45 ± 0.10 | 0.53 ± 0.28 | 0.49 ± 0.22 | 0.62 ± 0.24 | 0.53 ± 0.10 |
| 1982 | 0.54 ± 0.40 | 0.54 ± 0.25 | 0.72 ± 0.34 | 0.51 ± 0.19 | 0.44 ± 0.25 | 0.55 ± 0.15 | 0.63 ± 0.16 | 0.56 ± 0.12 |
| 1983 | 0.71 ± 0.06 | 0.81 ± 0.08 | 0.79 ± 0.06 | 0.52 ± 0.05 | 0.47 ± 0.05 | 0.73 ± 0.04 | 0.81 ± 0.25 | 0.70 ± 0.09 |
| 1984 | 0.61 ± 0.05 | 0.77 ± 0.08 | 0.96 ± 0.13 | 0.90 ± 0.12 | 0.63 ± 0.08 | 0.96 ± 0.15 | 0.76 ± 0.07 | 0.78 ± 0.09 |

^aIncludes "other" species.

Table D.17. Mean weights of fishes (kg/fish) \pm 1 SE caught by private-boat fishermen in Texas bays and passes during the low-use season weekends by species and bay systems (1974-1985). Blank = no fish weighed.

| Species | Bay system | | | | | | | Coastwide |
|----------------------------|------------------|-----------------|------------------|-----------------|-----------------|--------------------|--------------------|-----------------|
| | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | |
| Atlantic croaker | | | | | | | | |
| 1974-76 | 0.16 \pm 0.06 | | 0.34 \pm <.01 | 0.14 \pm <.01 | 0.25 \pm 0.07 | 0.31 \pm 0.05 | 0.21 \pm 0.03 | 0.18 \pm 0.04 |
| 1976-77 | 0.26 \pm 0.12 | 0.16 \pm <.01 | 0.28 \pm 0.03 | | 0.22 \pm 0.02 | 0.18 \pm 0.01 | 0.30 \pm 0.11 | 0.24 \pm 0.06 |
| 1977-78 | 0.25 \pm 0.02 | 0.26 \pm 0.03 | 0.22 \pm <.01 | | 0.29 \pm 0.05 | 0.34 \pm 0.14 | 0.26 \pm 0.08 | 0.28 \pm 0.03 |
| 1978-79 | 0.15 \pm 0.07 | | | | | 0.22 \pm <.01 | 0.19 \pm 0.09 | 0.16 \pm 0.05 |
| 1979-80 | 0.10 \pm <.01 | 0.13 \pm <.01 | | 0.11 \pm <.01 | 0.18 \pm 0.01 | 0.29 \pm 0.03 | 0.21 \pm <.01 | 0.14 \pm 0.09 |
| 1980-81 | 1.00 \pm <.01 | 0.07 \pm <.01 | | | 0.26 \pm 0.05 | 0.23 \pm 0.12 | 0.21 \pm 0.06 | 0.23 \pm 0.09 |
| 1981-82 | 0.25 \pm 0.14 | 0.14 \pm <.01 | | | 0.21 \pm 0.11 | 0.30 \pm 0.02 | 0.38 \pm 0.18 | 0.28 \pm 0.04 |
| 1982-83 | 0.28 \pm 0.06 | 0.20 \pm 0.08 | 0.50 \pm 0.00 | | 0.22 \pm 0.02 | 0.21 \pm 0.03 | 0.13 \pm 0.12 | 0.20 \pm 0.09 |
| 1983-84 | 0.09 \pm 0.04 | 0.20 \pm 0.08 | | 0.31 \pm 0.31 | | | | 0.29 \pm 0.29 |
| 1984-85 | 0.13 \pm 0.00 | 0.11 \pm 0.01 | | | 0.23 \pm 0.23 | 0.17 \pm 0.03 | 0.17 \pm 0.01 | 0.14 \pm 0.03 |
| Black drum | | | | | | | | |
| 1974-76 | 2.42 \pm 4.42 | 0.59 \pm 0.26 | 2.05 \pm 3.04 | 1.06 \pm 0.36 | 3.62 \pm 8.66 | 2.16 \pm 3.72 | 1.17 \pm 0.41 | 2.14 \pm 1.65 |
| 1976-77 | 1.59 \pm 0.90 | 0.43 \pm 0.17 | 14.65 \pm 6.49 | 1.39 \pm 0.87 | 9.84 \pm 1.96 | 4.68 \pm 1.91 | 5.60 \pm 7.97 | 6.29 \pm 4.01 |
| 1977-78 | 1.98 \pm 3.32 | 1.95 \pm 5.38 | 1.26 \pm 1.40 | 0.84 \pm 0.65 | 6.98 \pm 2.87 | 1.33 \pm 1.35 | 5.95 \pm 6.65 | 3.27 \pm 2.45 |
| 1978-79 | 6.84 \pm 14.25 | 0.45 \pm <.01 | 7.32 \pm 7.74 | 0.54 \pm 0.01 | 3.48 \pm 4.00 | 2.32 \pm 2.68 | 9.67 \pm 10.55 | 6.54 \pm 5.54 |
| 1979-80 | 0.60 \pm <.01 | 0.52 \pm 0.57 | 4.20 \pm 8.95 | | 5.86 \pm 9.71 | 0.90 \pm 0.04 | 0.49 \pm 0.73 | 3.22 \pm 4.32 |
| 1980-81 | 2.54 \pm 5.08 | 0.20 \pm 0.17 | 0.66 \pm 0.08 | 0.66 \pm <.01 | 0.93 \pm 0.21 | 0.57 \pm 0.05 | 0.67 \pm 0.02 | 0.90 \pm 1.03 |
| 1981-82 | 1.18 \pm 0.10 | 0.62 \pm 0.17 | 0.65 \pm 0.41 | 2.00 \pm 4.00 | 0.49 \pm 0.30 | 1.08 \pm 0.89 | 0.88 \pm 0.51 | 0.85 \pm 0.38 |
| 1982-83 | 0.62 \pm 0.00 | 0.72 \pm 0.36 | 0.91 \pm 0.04 | 0.75 \pm 0.10 | 7.72 \pm 3.69 | 2.88 \pm 3.72 | 1.18 \pm 0.93 | 3.21 \pm 3.25 |
| 1983-84 | 6.30 \pm 2.49 | 1.87 \pm 1.23 | 0.77 \pm 0.07 | 0.40 \pm 0.40 | 1.34 \pm 1.34 | | 0.77 \pm 0.53 | 3.76 \pm 1.67 |
| 1984-85 | 3.97 \pm 3.97 | 5.96 \pm 1.85 | 0.34 \pm 0.11 | | 0.98 \pm 0.07 | 0.33 \pm 0.05 | 5.18 \pm 3.70 | 3.39 \pm 1.47 |
| Gafftopsail catfish | | | | | | | | |
| 1974-76 | 1.78 \pm 0.81 | 1.79 \pm <.01 | 1.21 \pm 0.30 | | 1.26 \pm 0.34 | | | 1.29 \pm 0.31 |
| 1976-77 | 1.73 \pm 0.15 | 1.67 \pm <.01 | 1.41 \pm 0.29 | 1.35 \pm 0.25 | 0.97 \pm 0.77 | | | 1.41 \pm 0.36 |
| 1977-78 | 1.31 \pm 0.17 | 1.26 \pm 0.36 | 1.21 \pm <.01 | 0.83 \pm 1.03 | 1.50 \pm 0.18 | | | 1.22 \pm 0.16 |
| 1978-79 | 1.25 \pm 0.71 | 1.56 \pm <.01 | 0.85 \pm 0.21 | 1.22 \pm 0.27 | 1.28 \pm 1.06 | | | 1.22 \pm 0.33 |
| 1979-80 | | | 1.34 \pm 0.72 | 2.13 \pm <.01 | 1.59 \pm 0.07 | | | 1.43 \pm 0.46 |
| 1980-81 | | 0.70 \pm <.01 | 1.08 \pm 0.34 | 2.21 \pm <.01 | 1.34 \pm <.01 | | | 1.15 \pm 0.33 |
| 1981-82 | | | | 1.29 \pm 0.56 | | | | 1.33 \pm 0.56 |
| 1982-83 | | | | | 1.65 \pm 0.14 | | | 1.65 \pm 0.14 |
| 1983-84 | 1.11 \pm 0.00 | 1.84 \pm 1.84 | 1.57 \pm 0.05 | | 1.44 \pm 1.44 | | | 1.29 \pm 0.11 |
| 1984-85 | | 0.91 \pm 0.19 | 0.89 \pm 0.89 | | 0.88 \pm 0.88 | | | 0.90 \pm 0.37 |

Table D.17. (Cont'd.)

| Species | Bay system | | | | | | | |
|----------------------|-------------|-------------|-------------|-------------|----------------|--------------------|--------------------|-------------|
| | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | Coastwide |
| Red drum | | | | | | | | |
| 1974-76 | 0.90 ± 0.14 | 0.70 ± 0.25 | 1.07 ± 0.23 | 0.74 ± 0.12 | 0.67 ± 0.09 | 1.01 ± 0.26 | 0.80 ± 0.30 | 0.88 ± 0.11 |
| 1976-77 | 1.44 ± 0.19 | 0.71 ± 0.24 | 1.45 ± 0.31 | 1.12 ± 0.39 | 0.70 ± 0.19 | 1.21 ± 0.80 | 1.07 ± 0.24 | 1.08 ± 0.28 |
| 1977-78 | 1.11 ± 0.23 | 1.09 ± 0.53 | 0.72 ± 0.16 | 0.84 ± 0.72 | 0.69 ± 0.10 | 0.97 ± 0.56 | 0.78 ± 0.27 | 0.79 ± 0.15 |
| 1978-79 | 1.14 ± 0.31 | 0.60 ± 0.12 | 0.68 ± 0.20 | 0.74 ± 0.25 | 0.71 ± 0.26 | 0.97 ± 0.40 | 1.13 ± 0.34 | 0.70 ± 0.13 |
| 1979-80 | 0.70 ± <.01 | 0.66 ± 0.17 | 0.56 ± 0.06 | 0.68 ± 0.41 | 0.63 ± 0.11 | 0.71 ± 0.11 | 0.58 ± 0.18 | 0.61 ± 0.11 |
| 1980-81 | 0.90 ± 0.10 | 1.05 ± 0.16 | 1.08 ± 0.94 | 0.91 ± 0.08 | 0.94 ± 0.25 | 0.73 ± 0.10 | 0.61 ± 0.21 | 0.98 ± 0.36 |
| 1981-82 | 1.32 ± 0.22 | 1.06 ± 0.80 | 1.01 ± 0.43 | 0.81 ± 0.03 | 1.27 ± 0.28 | 0.96 ± 0.10 | 3.00 ± 5.44 | 1.20 ± 0.88 |
| 1982-83 | 0.86 ± 0.12 | 1.62 ± 0.27 | 1.94 ± 0.83 | 1.49 ± 0.28 | 1.76 ± 0.96 | 0.92 ± 0.22 | 0.88 ± 0.32 | 1.36 ± 0.36 |
| 1983-84 | 1.96 ± 0.27 | 1.90 ± 0.15 | 1.90 ± 0.20 | 1.52 ± 1.52 | 1.93 ± 0.67 | 2.42 ± 0.53 | 1.52 ± 0.23 | 1.82 ± 0.29 |
| 1984-85 | 2.75 ± 2.75 | 2.01 ± 0.22 | 1.26 ± 0.09 | 1.99 ± 0.31 | 1.23 ± 0.33 | 1.36 ± 0.15 | 1.47 ± 0.20 | 1.61 ± 0.32 |
| Sand seatrout | | | | | | | | |
| 1974-76 | 0.33 ± 0.15 | | 0.34 ± 0.02 | 0.31 ± <.01 | 0.30 ± 0.16 | 0.56 ± 0.09 | 0.40 ± 0.07 | 0.35 ± 0.09 |
| 1976-77 | 0.30 ± 0.22 | | | | 0.35 ± 0.24 | | 0.38 ± 0.01 | 0.35 ± 0.15 |
| 1977-78 | 0.33 ± 0.02 | 0.23 ± <.01 | | 0.26 ± 0.03 | 0.76 ± 0.31 | 0.80 ± <.01 | 0.29 ± 0.01 | 0.38 ± 0.34 |
| 1978-79 | 0.30 ± 0.08 | | | 0.25 ± 0.17 | 0.48 ± 0.14 | 0.38 ± <.01 | 0.34 ± <.01 | 0.30 ± 0.04 |
| 1979-80 | 0.30 ± <.01 | 0.20 ± <.01 | | 0.40 ± <.01 | 0.26 ± 0.05 | 0.50 ± 0.12 | 0.33 ± 0.23 | 0.28 ± 0.06 |
| 1980-81 | 0.30 ± <.01 | | | | 0.32 ± 0.11 | 0.40 ± <.01 | 0.20 ± <.01 | 0.30 ± 0.08 |
| 1981-82 | | 0.36 ± <.01 | 0.22 ± <.01 | 0.28 ± <.01 | 0.31 ± 0.07 | 0.39 ± 0.08 | 0.40 ± 0.04 | 0.32 ± 0.04 |
| 1982-83 | | | 0.15 ± 0.00 | | 0.35 ± 0.13 | 0.30 ± 0.10 | 0.45 ± 0.00 | 0.35 ± 0.09 |
| 1983-84 | 0.12 ± 0.12 | 0.49 ± 0.00 | 0.38 ± 0.38 | 0.50 ± 0.50 | | | 0.40 ± 0.40 | 0.14 ± 0.14 |
| 1984-85 | | 0.36 ± 0.07 | 0.44 ± 0.01 | | | 0.47 ± 0.47 | 0.27 ± 0.01 | 0.29 ± 0.04 |
| Sheepshead | | | | | | | | |
| 1974-76 | 0.82 ± 0.05 | 0.42 ± 0.26 | 0.54 ± 0.07 | 0.47 ± 0.02 | 0.68 ± 0.51 | 1.55 ± 0.20 | 1.26 ± 0.27 | 0.69 ± 0.19 |
| 1976-77 | 1.19 ± 0.11 | 0.95 ± 0.91 | | 0.54 ± 0.20 | 0.91 ± 0.29 | 0.95 ± 0.65 | 0.88 ± 0.41 | 0.92 ± 0.18 |
| 1977-78 | 0.93 ± 0.08 | 0.42 ± 0.18 | 0.54 ± 0.12 | 0.50 ± 0.26 | 0.86 ± 0.35 | 0.95 ± 0.27 | 0.76 ± 0.32 | 0.71 ± 0.19 |
| 1978-79 | 0.80 ± 0.13 | 0.81 ± 0.93 | 0.76 ± 0.59 | 0.58 ± 0.21 | 1.00 ± 0.13 | 1.00 ± 0.25 | 0.80 ± 0.58 | 0.82 ± 0.18 |
| 1979-80 | 0.97 ± <.01 | 0.85 ± 0.26 | 0.74 ± 0.48 | | 1.03 ± 0.16 | 1.28 ± 0.40 | 0.62 ± 0.98 | 0.78 ± 0.48 |
| 1980-81 | 1.60 ± 0.10 | 0.25 ± 0.45 | 0.41 ± 0.26 | 0.35 ± <.01 | 0.98 ± 0.28 | 1.04 ± 0.17 | 1.00 ± 1.46 | 0.64 ± 0.58 |
| 1981-82 | 0.95 ± 0.33 | 0.26 ± 0.22 | 0.46 ± 0.55 | 0.98 ± 0.31 | 1.25 ± 0.02 | 1.23 ± 0.25 | 0.94 ± 0.30 | 0.62 ± 0.63 |
| 1982-83 | 0.75 ± 0.00 | 1.12 ± 0.72 | 0.94 ± 0.00 | 0.62 ± 0.09 | 0.88 ± 0.08 | 1.22 ± 0.17 | 0.76 ± 0.25 | 0.90 ± 0.16 |
| 1983-84 | 0.89 ± 0.04 | 0.81 ± 0.10 | 0.89 ± 0.12 | 1.75 ± 1.75 | 0.66 ± 0.66 | | 0.88 ± 0.00 | 0.86 ± 0.14 |
| 1984-85 | 1.13 ± 1.13 | 0.86 ± 0.07 | 1.27 ± 0.05 | 1.11 ± 0.12 | 1.47 ± 1.47 | 1.06 ± 1.06 | 0.69 ± 0.09 | 0.81 ± 0.15 |

Table D.17. (Cont'd.)

| Species | Bay system | | | | | | | Coastwide |
|---|--------------|-------------|-------------|-------------|----------------|--------------------|--------------------|-------------|
| | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | |
| Southern flounder | | | | | | | | |
| 1974-76 | 0.61 ± 0.09 | 0.40 ± 0.07 | 0.68 ± 0.19 | 0.48 ± 0.11 | 0.31 ± 0.05 | 0.79 ± 0.20 | 0.68 ± 0.18 | 0.61 ± 0.08 |
| 1976-77 | 0.59 ± 0.10 | 0.56 ± 0.06 | 0.66 ± 0.35 | 0.56 ± 0.25 | 0.48 ± 0.06 | | 0.62 ± 0.01 | 0.57 ± 0.08 |
| 1977-78 | 0.48 ± 0.11 | 0.48 ± 0.09 | 0.65 ± 0.19 | 0.61 ± 0.16 | 0.35 ± 0.14 | 0.65 ± 0.11 | 0.87 ± 0.54 | 0.62 ± 0.17 |
| 1978-79 | 0.49 ± 0.26 | 0.27 ± 0.09 | 0.65 ± 0.19 | 0.92 ± 0.12 | 0.69 ± 0.03 | 0.73 ± 0.12 | 0.54 ± 0.08 | 0.58 ± 0.31 |
| 1979-80 | 0.50 ± 0.14 | 0.44 ± 0.10 | 0.16 ± 0.06 | 0.56 ± 0.13 | 0.49 ± 0.08 | 0.64 ± 0.16 | 0.43 ± 0.10 | 0.48 ± 0.06 |
| 1980-81 | 0.70 ± 0.40 | 0.37 ± 0.16 | 0.80 ± 0.22 | 0.42 ± 0.01 | 0.57 ± 0.10 | 0.63 ± 0.05 | 0.39 ± 0.14 | 0.55 ± 0.08 |
| 1981-82 | 0.67 ± 0.09 | 0.46 ± 0.13 | 0.47 ± 0.19 | 0.46 ± 0.11 | 0.62 ± 0.19 | 0.53 ± 0.20 | 0.57 ± 0.12 | 0.59 ± 0.08 |
| 1982-83 | 0.49 ± 0.00 | 0.60 ± 0.30 | 0.55 ± 0.10 | 0.48 ± 0.06 | 0.62 ± 0.21 | 0.56 ± 0.09 | 0.67 ± 0.16 | 0.58 ± 0.08 |
| 1983-84 | 0.51 ± 0.13 | 0.87 ± 0.48 | 0.58 ± 0.07 | 0.59 ± 0.59 | 0.51 ± 0.51 | | 0.72 ± 0.72 | 0.64 ± 0.30 |
| 1984-85 | 0.42 ± 0.01 | 0.46 ± 0.10 | 0.53 ± 0.10 | 0.43 ± 0.05 | 0.46 ± 0.03 | 0.41 ± 0.04 | 0.43 ± 0.03 | 0.43 ± 0.03 |
| Spotted seatrout | | | | | | | | |
| 1974-76 | 0.60 ± 0.36 | 0.56 ± 0.45 | 0.40 ± 0.20 | 0.38 ± 0.21 | 0.33 ± 0.25 | 0.54 ± 0.24 | 0.53 ± 0.40 | 0.45 ± 0.19 |
| 1976-77 | 0.64 ± 0.33 | 0.58 ± 0.06 | 0.63 ± 0.10 | 0.40 ± 0.16 | 0.56 ± 0.15 | 0.53 ± 0.17 | 0.55 ± 0.43 | 0.55 ± 0.16 |
| 1977-78 | 0.80 ± 0.08 | 0.65 ± 0.85 | 0.48 ± 0.19 | 0.48 ± 0.37 | 0.49 ± 0.46 | 0.48 ± 0.14 | 0.50 ± 0.11 | 0.51 ± 0.12 |
| 1978-79 | 0.76 ± 0.96 | 0.42 ± 0.01 | 0.58 ± 0.31 | 0.48 ± 0.16 | 0.63 ± 0.04 | 0.51 ± 0.28 | 0.62 ± 0.63 | 0.54 ± 0.18 |
| 1979-80 | 0.89 ± 0.12 | 0.51 ± 0.04 | 0.56 ± 0.30 | 0.46 ± 0.12 | 0.55 ± 0.17 | 0.48 ± 0.24 | 0.40 ± 0.24 | 0.48 ± 0.12 |
| 1980-81 | 0.62 ± 0.57 | 0.64 ± 0.08 | 0.50 ± 0.20 | 0.41 ± 0.08 | 0.81 ± 1.18 | 0.46 ± 0.35 | 0.53 ± 0.22 | 0.54 ± 0.26 |
| 1981-82 | 0.67 ± 0.30 | 0.64 ± 0.76 | 0.50 ± 0.08 | 0.43 ± 0.06 | 0.54 ± 0.43 | 0.52 ± 0.23 | 0.71 ± 0.36 | 0.57 ± 0.18 |
| 1982-83 | 1.29 ± 1.07 | 0.60 ± 0.08 | 0.98 ± 0.96 | 0.56 ± 0.07 | 0.53 ± 0.25 | 0.56 ± 0.73 | 0.74 ± 0.40 | 0.66 ± 0.29 |
| 1983-84 | 0.65 ± 0.08 | 0.77 ± 0.09 | 0.62 ± 0.05 | 0.45 ± 0.45 | 0.53 ± 0.53 | 0.76 ± 0.76 | 1.00 ± 0.03 | 0.74 ± 0.12 |
| 1984-85 | 1.01 ± 0.39 | 0.81 ± 0.08 | 0.80 ± 0.11 | 0.89 ± 0.10 | 0.65 ± 0.04 | 0.62 ± 0.01 | 0.73 ± 0.04 | 0.75 ± 0.08 |
| All species combined^a | | | | | | | | |
| 1974-76 | 0.44 ± 1.30 | 0.63 ± 0.26 | 0.48 ± 0.69 | 0.43 ± 0.19 | 0.49 ± 0.85 | 0.68 ± 0.58 | 0.68 ± 0.56 | 0.53 ± 0.39 |
| 1976-77 | 0.84 ± 1.02 | 0.60 ± 0.40 | 3.49 ± 7.78 | 0.56 ± 0.42 | 0.61 ± 1.67 | 0.82 ± 1.04 | 1.06 ± 3.92 | 0.97 ± 1.35 |
| 1977-78 | 0.67 ± 1.34 | 0.82 ± 1.98 | 0.66 ± 0.44 | 0.62 ± 0.12 | 1.39 ± 4.32 | 0.59 ± 0.39 | 1.28 ± 3.41 | 0.85 ± 0.86 |
| 1978-79 | 2.02 ± 23.58 | 0.51 ± 0.58 | 0.97 ± 2.02 | 0.56 ± 0.31 | 0.82 ± 0.68 | 0.78 ± 1.02 | 1.90 ± 8.05 | 1.35 ± 4.38 |
| 1979-80 | 0.31 ± 0.72 | 0.54 ± 0.53 | 1.00 ± 3.04 | 0.54 ± 0.15 | 1.13 ± 3.86 | 0.51 ± 0.24 | 0.54 ± 0.90 | 0.71 ± 0.83 |
| 1980-81 | 1.32 ± 2.85 | 0.44 ± 1.50 | 0.68 ± 0.66 | 0.41 ± 0.26 | 0.69 ± 1.21 | 0.48 ± 0.36 | 0.58 ± 0.49 | 0.62 ± 0.36 |
| 1981-82 | 0.65 ± 0.37 | 0.44 ± 0.64 | 0.80 ± 1.23 | 0.72 ± 0.59 | 0.52 ± 0.42 | 0.58 ± 0.33 | 0.98 ± 1.40 | 0.70 ± 0.45 |
| 1982-83 | 0.52 ± 0.12 | 0.76 ± 0.16 | 1.19 ± 0.79 | 0.85 ± 0.88 | 1.09 ± 3.91 | 0.69 ± 0.79 | 0.78 ± 0.36 | 0.89 ± 0.85 |
| 1983-84 | 2.43 ± 1.16 | 1.13 ± 0.23 | 1.19 ± 0.10 | 0.48 ± 0.22 | 1.22 ± 0.14 | 0.84 ± 0.09 | 1.87 ± 1.11 | 1.60 ± 0.63 |
| 1984-85 | 2.07 ± 0.52 | 1.31 ± 0.48 | 0.83 ± 0.09 | 1.00 ± 0.09 | 0.71 ± 0.08 | 0.58 ± 0.09 | 2.48 ± 1.58 | 1.67 ± 0.77 |

^aIncludes "other" species.

Table D.18. Mean weights of fishes (kg/fish) \pm 1 SE caught by private-boat fishermen in Texas bays and passes during the low-use season weekdays by species and bay systems (1974-1985). Blank = no fish weighed.

| Species | Bay system | | | | | | | Coastwide |
|----------------------------|-----------------|-----------------|------------------|-----------------|-----------------|--------------------|--------------------|-----------------|
| | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | |
| Atlantic croaker | | | | | | | | |
| 1974-76 | 0.21 \pm 0.03 | | 0.31 \pm 0.03 | | 0.31 \pm <.01 | 0.24 \pm <.01 | 0.34 \pm <.01 | 0.22 \pm 0.05 |
| 1976-77 | | | | | | | | |
| 1977-78 | | | | | | | | |
| 1978-79 | | | | | | | | |
| 1979-80 | | 0.12 \pm <.01 | | 0.45 \pm <.01 | 0.24 \pm 0.01 | | | 0.18 \pm 0.09 |
| 1980-81 | 0.20 \pm 0.12 | | | | 0.29 \pm 0.08 | 0.07 \pm <.01 | 0.52 \pm 0.30 | 0.19 \pm 0.06 |
| 1981-82 | 0.25 \pm 0.06 | | | | 0.15 \pm 0.10 | 0.24 \pm 0.02 | 0.34 \pm 0.08 | 0.22 \pm 0.04 |
| 1982-83 | 0.17 \pm 0.02 | 0.15 \pm 0.16 | | 0.27 \pm 0.02 | 0.24 \pm 0.05 | 0.33 \pm 0.05 | 0.25 \pm 0.03 | 0.25 \pm 0.04 |
| 1983-84 | 0.08 \pm 0.08 | | | | | 0.31 \pm 0.31 | 0.29 \pm 0.29 | 0.09 \pm 0.09 |
| 1984-85 | 0.14 \pm 0.00 | | | 0.33 \pm 0.33 | | | 0.20 \pm 0.12 | 0.14 \pm 0.01 |
| Black drum | | | | | | | | |
| 1974-76 | 0.49 \pm 0.48 | | 0.51 \pm 0.79 | 1.00 \pm 9.09 | 6.64 \pm 7.16 | | 12.13 \pm 3.72 | 5.57 \pm 3.29 |
| 1976-77 | | | | | | | | |
| 1977-78 | | | | | | | | |
| 1978-79 | | | | | | | | |
| 1979-80 | 0.61 \pm 0.80 | 0.42 \pm 0.32 | 0.58 \pm 0.05 | | | 1.79 \pm <.01 | | 1.58 \pm 1.46 |
| 1980-81 | 7.26 \pm 5.63 | 0.46 \pm 0.37 | 15.58 \pm <.01 | | 0.84 \pm 0.21 | 0.20 \pm <.01 | 0.76 \pm 0.44 | 4.34 \pm 6.87 |
| 1981-82 | 0.43 \pm 0.81 | 0.86 \pm 0.37 | 0.31 \pm 0.16 | 0.58 \pm 0.35 | 0.54 \pm 0.41 | 0.80 \pm 0.50 | 0.87 \pm 0.84 | 0.56 \pm 0.35 |
| 1982-83 | 6.64 \pm 3.83 | 0.55 \pm 1.27 | 4.55 \pm 6.80 | 0.61 \pm 0.26 | 2.45 \pm 2.22 | 1.32 \pm 0.42 | 0.63 \pm 0.52 | 2.83 \pm 2.59 |
| 1983-84 | 1.83 \pm 0.75 | 1.89 \pm 1.48 | 0.83 \pm 0.18 | 1.36 \pm 0.44 | 1.24 \pm 0.38 | 1.76 \pm 0.05 | 0.67 \pm 0.20 | 1.34 \pm 0.54 |
| 1984-85 | 5.88 \pm 0.75 | 1.26 \pm 0.56 | 0.42 \pm 0.20 | 0.62 \pm 0.08 | 0.54 \pm 0.54 | 0.87 \pm 0.87 | 0.85 \pm 0.78 | 1.73 \pm 0.47 |
| Gafftopsail catfish | | | | | | | | |
| 1974-76 | 0.88 \pm <.01 | | 0.90 \pm <.01 | 1.41 \pm <.01 | | | | 1.34 \pm 0.26 |
| 1976-77 | | | | | | | | |
| 1977-78 | | | | | | | | |
| 1978-79 | | | | | | | | |
| 1979-80 | | | | | 1.72 \pm <.01 | | | 1.72 \pm <.01 |
| 1980-81 | 1.62 \pm 1.02 | 1.28 \pm <.01 | | | 1.15 \pm <.01 | | | 1.46 \pm 0.93 |
| 1981-82 | | 1.09 \pm <.01 | | 1.69 \pm 0.04 | 1.18 \pm 0.87 | 0.15 \pm <.01 | | 1.34 \pm 0.45 |
| 1982-83 | 2.05 \pm 0.00 | 2.23 \pm 0.16 | 0.96 \pm 0.32 | | 1.38 \pm 1.10 | | | 1.30 \pm 0.71 |
| 1983-84 | | 1.10 \pm 1.10 | | 1.01 \pm 0.03 | | | | 1.05 \pm 0.53 |
| 1984-85 | 0.53 \pm 0.53 | | | 1.83 \pm 1.83 | 0.88 \pm 0.88 | | 0.08 \pm 0.08 | 0.87 \pm 0.87 |

Table D.18. (Cont'd.)

| Species Year | Bay system | | | | | | | Coastwide |
|----------------------|-------------|-------------|-------------|-------------|----------------|--------------------|--------------------|-------------|
| | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | |
| Red drum | | | | | | | | |
| 1974-76 | 0.76 ± 0.17 | | 1.03 ± 0.51 | 0.79 ± 0.32 | 0.71 ± 0.15 | 0.74 ± 0.06 | 1.21 ± 0.24 | 0.94 ± 0.27 |
| 1976-77 | | | | | | | | |
| 1977-78 | | | | | | | | |
| 1978-79 | | | | | | | | |
| 1979-80 | 0.68 ± <.01 | 0.60 ± <.01 | 0.58 ± 0.05 | 0.58 ± 0.05 | 0.95 ± 0.56 | 0.88 ± 0.23 | | 1.58 ± 1.46 |
| 1980-81 | 0.83 ± 0.20 | 0.52 ± 0.19 | 2.65 ± <.01 | | 1.16 ± 0.46 | 0.70 ± 0.18 | 0.76 ± 0.44 | 1.00 ± 0.21 |
| 1981-82 | 0.98 ± 0.08 | 2.79 ± 1.37 | 0.57 ± 0.21 | 0.52 ± 0.21 | 1.23 ± 0.36 | 1.06 ± 0.19 | 0.91 ± 0.31 | 1.02 ± 0.19 |
| 1982-83 | 0.85 ± 0.00 | 1.61 ± 0.17 | 1.49 ± 0.20 | 2.35 ± 1.15 | 1.61 ± 0.38 | 1.23 ± 0.34 | 0.85 ± 0.50 | 1.20 ± 0.39 |
| 1983-84 | 1.86 ± 0.61 | 1.90 ± 0.09 | 1.35 ± 0.20 | 1.68 ± 0.05 | 1.74 ± 0.18 | 2.01 ± 0.38 | 1.74 ± 0.14 | 1.78 ± 0.25 |
| 1984-85 | 1.60 ± 0.27 | 1.78 ± 0.42 | 1.53 ± 0.18 | 1.83 ± 0.10 | 1.10 ± 0.35 | 1.28 ± 1.28 | 1.78 ± 0.16 | 1.59 ± 0.26 |
| Sand seatrout | | | | | | | | |
| 1974-76 | 0.25 ± 0.09 | | 0.37 ± <.01 | 0.24 ± 0.10 | 0.24 ± 0.09 | 0.22 ± <.01 | | 0.27 ± 0.13 |
| 1976-77 | | | | | | | | |
| 1977-78 | | | | | | | | |
| 1978-79 | | | | | | | | |
| 1979-80 | 0.38 ± <.01 | | | | 0.29 ± <.01 | 0.45 ± <.01 | | 0.30 ± 0.06 |
| 1980-81 | 0.40 ± 0.11 | | | | 0.33 ± 0.05 | | 0.38 ± <.01 | 0.33 ± 0.03 |
| 1981-82 | 0.34 ± 0.03 | 0.19 ± <.01 | 0.25 ± 0.00 | 0.29 ± 0.03 | 0.30 ± 0.08 | 0.34 ± 0.16 | 0.31 ± 0.04 | 0.30 ± 0.04 |
| 1982-83 | 0.39 ± 0.00 | 0.50 ± 0.00 | 0.22 ± 0.02 | 0.25 ± 0.00 | 0.28 ± 0.10 | 0.85 ± 0.05 | 0.31 ± 0.03 | 0.27 ± 0.06 |
| 1983-84 | 0.43 ± 0.43 | 0.36 ± 0.36 | | 0.19 ± 0.03 | 0.51 ± 0.51 | | 0.34 ± 0.04 | 0.39 ± 0.31 |
| 1984-85 | 0.31 ± 0.04 | 0.24 ± 0.24 | | | 0.55 ± 0.13 | 0.40 ± 0.02 | 0.22 ± 0.06 | 0.33 ± 0.04 |
| Sheepshead | | | | | | | | |
| 1974-76 | 0.55 ± 0.15 | | 1.01 ± 0.43 | 0.55 ± 0.40 | 0.56 ± <.01 | 1.52 ± 0.32 | 0.85 ± <.01 | 0.72 ± 0.40 |
| 1976-77 | | | | | | | | |
| 1977-78 | | | | | | | | |
| 1978-79 | | | | | | | | |
| 1979-80 | 0.83 ± 0.01 | | 0.84 ± 0.16 | 0.55 ± <.01 | 0.83 ± <.01 | 0.82 ± <.01 | 0.59 ± 0.55 | 0.62 ± 0.22 |
| 1980-81 | 1.18 ± 0.30 | 0.42 ± 0.18 | | 0.58 ± 0.14 | 0.74 ± 0.26 | 1.33 ± 0.24 | 1.00 ± 0.17 | 0.77 ± 0.24 |
| 1981-82 | 1.21 ± 0.14 | 0.98 ± 0.46 | 0.25 ± <.01 | 0.80 ± 0.19 | 0.62 ± 0.27 | 1.43 ± 0.58 | 0.67 ± 0.30 | 0.68 ± 0.16 |
| 1982-83 | 1.20 ± 0.65 | 0.50 ± 0.18 | 0.85 ± 0.31 | 0.85 ± 0.34 | 1.00 ± 0.24 | 1.34 ± 0.11 | 0.59 ± 0.47 | 0.86 ± 0.36 |
| 1983-84 | 1.01 ± 1.01 | 0.49 ± 0.03 | 1.06 ± 0.03 | 1.12 ± 0.04 | 0.91 ± 0.34 | 1.52 ± 0.23 | 0.63 ± 0.03 | 0.83 ± 0.10 |
| 1984-85 | 0.23 ± 0.23 | 0.86 ± 0.10 | | 1.05 ± 0.02 | 1.00 ± 1.00 | 1.01 ± 1.01 | 0.82 ± 0.11 | 1.02 ± 0.05 |

Table D.18. (Cont'd.)

| Species Year | Bay system | | | | | | | Coastwide |
|-----------------------------------|-------------|--------------|-------------|-------------|----------------|--------------------|--------------------|-------------|
| | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | |
| Southern flounder | | | | | | | | |
| 1974-76 | 0.67 ± 0.11 | 0.34 ± <.01 | 0.83 ± 0.36 | 0.45 ± 0.09 | 0.31 ± 0.02 | 0.86 ± 0.18 | 0.34 ± <.01 | 0.60 ± 0.09 |
| 1976-77 | | | | | | | | |
| 1977-78 | | | | | | | | |
| 1978-79 | | | | | | | | |
| 1979-80 | 0.42 ± <.01 | | 0.72 ± 0.07 | | 0.43 ± 0.14 | 0.93 ± 0.19 | 0.62 ± <.01 | 0.53 ± 0.12 |
| 1980-81 | 0.55 ± 0.24 | | 0.45 ± <.01 | 0.38 ± 0.12 | 0.67 ± 0.20 | 0.81 ± 0.01 | 0.49 ± 0.07 | 0.62 ± 0.10 |
| 1981-82 | 0.59 ± 0.06 | 0.50 ± 0.22 | 0.54 ± 0.08 | 0.48 ± 0.08 | 0.65 ± 0.15 | 0.48 ± 0.05 | 0.55 ± 0.16 | 0.55 ± 0.06 |
| 1982-83 | 0.37 ± 0.19 | 0.37 ± 0.10 | 0.89 ± 0.19 | 0.52 ± 0.08 | 0.41 ± 0.08 | 0.77 ± 0.12 | 0.64 ± 0.19 | 0.69 ± 0.15 |
| 1983-84 | 0.56 ± 0.10 | 0.45 ± 0.08 | 0.59 ± 0.12 | 0.35 ± 0.01 | 0.26 ± 0.01 | 0.99 ± 0.17 | 0.60 ± 0.05 | 0.55 ± 0.09 |
| 1984-85 | 0.54 ± 0.04 | 0.46 ± 0.14 | 0.38 ± 0.06 | 0.35 ± 0.05 | 0.58 ± 0.07 | 0.47 ± 0.47 | 0.32 ± 0.02 | 0.50 ± 0.04 |
| Spotted seatrout | | | | | | | | |
| 1974-76 | 0.77 ± 0.84 | 0.78 ± <.01 | 0.48 ± 0.34 | 0.32 ± 0.09 | 0.41 ± 0.20 | 0.52 ± 0.25 | 0.83 ± 0.32 | 0.50 ± 0.23 |
| 1976-77 | | | | | | | | |
| 1977-78 | | | | | | | | |
| 1978-79 | | | | | | | | |
| 1979-80 | 0.46 ± <.01 | 4.96 ± 11.31 | 0.42 ± 0.19 | 0.44 ± 0.14 | 0.43 ± 0.03 | 0.71 ± 0.20 | 0.36 ± 0.02 | 0.50 ± 0.30 |
| 1980-81 | 0.86 ± 0.28 | 0.51 ± <.01 | 0.40 ± 0.21 | 0.35 ± 0.05 | 0.61 ± 0.38 | 0.50 ± 0.24 | 0.52 ± 0.30 | 0.57 ± 0.26 |
| 1981-82 | 0.02 ± 0.18 | 0.60 ± 0.70 | 0.57 ± 0.21 | 0.52 ± 0.21 | 0.53 ± 0.30 | 0.49 ± 0.09 | 0.60 ± 0.26 | 0.54 ± 0.10 |
| 1982-83 | 0.71 ± 0.20 | 0.64 ± 0.31 | 0.64 ± 0.20 | 0.54 ± 0.27 | 0.65 ± 0.21 | 0.58 ± 0.21 | 0.62 ± 0.36 | 0.62 ± 0.12 |
| 1983-84 | 1.00 ± 0.15 | 0.52 ± 0.13 | 0.56 ± 0.56 | 0.46 ± 0.01 | 0.67 ± 0.06 | 0.82 ± 0.17 | 0.61 ± 0.05 | 0.81 ± 0.11 |
| 1984-85 | 0.98 ± 0.05 | 0.82 ± 0.05 | 0.81 ± 0.02 | 0.69 ± 0.02 | 0.63 ± 0.02 | 0.59 ± 0.03 | 0.68 ± 0.04 | 0.74 ± 0.03 |
| All species combined ^a | | | | | | | | |
| 1974-76 | 0.38 ± 0.71 | 0.76 ± <.01 | 0.56 ± 0.50 | 0.45 ± 0.51 | 0.92 ± 0.64 | 0.49 ± 0.48 | 1.92 ± 3.51 | 0.58 ± 0.41 |
| 1976-77 | | | | | | | | |
| 1977-78 | | | | | | | | |
| 1978-79 | | | | | | | | |
| 1979-80 | 0.55 ± 0.14 | 1.69 ± 1.94 | 0.52 ± 0.72 | 0.54 ± 0.07 | 0.56 ± 1.92 | 0.88 ± 1.05 | 0.44 ± 0.32 | 0.59 ± 0.43 |
| 1980-81 | 2.40 ± 8.23 | 0.71 ± 1.26 | 0.80 ± 2.75 | 0.49 ± 0.26 | 0.66 ± 0.14 | 0.55 ± 0.26 | 0.58 ± 0.29 | 1.00 ± 2.01 |
| 1981-82 | 0.56 ± 0.28 | 0.80 ± 0.60 | 0.56 ± 0.35 | 0.60 ± 0.32 | 0.53 ± 0.26 | 0.54 ± 0.21 | 0.66 ± 0.31 | 0.58 ± 0.13 |
| 1982-83 | 2.68 ± 5.11 | 0.65 ± 0.73 | 1.23 ± 2.69 | 0.74 ± 0.48 | 0.68 ± 1.07 | 0.66 ± 0.23 | 0.62 ± 0.43 | 0.82 ± 0.67 |
| 1983-84 | 0.71 ± 0.18 | 0.77 ± 0.24 | 0.93 ± 0.05 | 1.00 ± 0.11 | 1.13 ± 0.26 | 1.19 ± 0.13 | 0.68 ± 0.06 | 0.86 ± 0.15 |
| 1984-85 | 1.06 ± 0.37 | 1.11 ± 0.22 | 1.05 ± 0.12 | 0.96 ± 0.10 | 0.76 ± 0.01 | 0.51 ± 0.06 | 0.69 ± 0.14 | 0.92 ± 0.19 |

^aIncludes "other" species.

Table D.19. Annual mean total lengths of fishes (mm/fish) \pm 1 SE caught by private-boat fishermen in Texas bays and passes by species and bay system (1983-1985). Blank = no fish measured.

| Species | Bay system | | | | | | | | Coastwide |
|-----------------------------------|--------------|--------------|--------------|--------------|----------------|--------------------|--------------------|--------------|-----------|
| | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | | |
| Atlantic croaker | | | | | | | | | |
| 1983-84 | 254 \pm 9 | 234 \pm 4 | 231 \pm 6 | 295 \pm 6 | 281 \pm 5 | 289 \pm 3 | 265 \pm 6 | 266 \pm 7 | |
| 1984-85 | 235 \pm 5 | 216 \pm 7 | 219 \pm 16 | 258 \pm 8 | 249 \pm 7 | 242 \pm 15 | 235 \pm 6 | 240 \pm 5 | |
| Black drum | | | | | | | | | |
| 1983-84 | 454 \pm 53 | 362 \pm 18 | 378 \pm 8 | 382 \pm 13 | 383 \pm 12 | 408 \pm 17 | 365 \pm 32 | 384 \pm 27 | |
| 1984-85 | 459 \pm 27 | 430 \pm 57 | 295 \pm 19 | 354 \pm 18 | 372 \pm 12 | 353 \pm 20 | 370 \pm 50 | 420 \pm 32 | |
| Gafftopsail catfish | | | | | | | | | |
| 1983-84 | 416 \pm 23 | 471 \pm 18 | 499 \pm 17 | 472 \pm 15 | 517 \pm 9 | 488 \pm 23 | 439 \pm 19 | 480 \pm 15 | |
| 1984-85 | 455 \pm 18 | 491 \pm 15 | 480 \pm 26 | 434 \pm 46 | 521 \pm 17 | 338 \pm 5 | 247 \pm 33 | 470 \pm 23 | |
| Red drum | | | | | | | | | |
| 1983-84 | 536 \pm 22 | 513 \pm 7 | 501 \pm 7 | 497 \pm 7 | 490 \pm 9 | 516 \pm 7 | 510 \pm 7 | 509 \pm 8 | |
| 1984-85 | 555 \pm 13 | 572 \pm 10 | 533 \pm 11 | 528 \pm 11 | 524 \pm 10 | 537 \pm 13 | 563 \pm 6 | 546 \pm 8 | |
| Sand seatrout | | | | | | | | | |
| 1983-84 | 281 \pm 4 | 287 \pm 10 | 291 \pm 11 | 287 \pm 8 | 304 \pm 7 | 317 \pm 4 | 298 \pm 6 | 290 \pm 6 | |
| 1984-85 | 272 \pm 8 | 284 \pm 5 | 296 \pm 13 | 281 \pm 4 | 276 \pm 5 | 292 \pm 5 | 288 \pm 4 | 275 \pm 7 | |
| Sheepshead | | | | | | | | | |
| 1983-84 | 346 \pm 4 | 344 \pm 9 | 384 \pm 6 | 378 \pm 12 | 356 \pm 10 | 391 \pm 7 | 343 \pm 6 | 354 \pm 7 | |
| 1984-85 | 354 \pm 4 | 357 \pm 5 | 390 \pm 7 | 387 \pm 4 | 390 \pm 8 | 411 \pm 14 | 348 \pm 8 | 368 \pm 4 | |
| Southern flounder | | | | | | | | | |
| 1983-84 | 350 \pm 5 | 364 \pm 8 | 372 \pm 8 | 345 \pm 6 | 350 \pm 5 | 387 \pm 6 | 385 \pm 6 | 356 \pm 6 | |
| 1984-85 | 356 \pm 5 | 360 \pm 6 | 373 \pm 6 | 341 \pm 6 | 348 \pm 7 | 361 \pm 17 | 326 \pm 10 | 353 \pm 6 | |
| Spotted seatrout | | | | | | | | | |
| 1983-84 | 435 \pm 8 | 397 \pm 6 | 388 \pm 4 | 369 \pm 4 | 390 \pm 5 | 399 \pm 3 | 401 \pm 4 | 402 \pm 4 | |
| 1984-85 | 449 \pm 6 | 418 \pm 7 | 417 \pm 6 | 432 \pm 11 | 418 \pm 8 | 399 \pm 3 | 405 \pm 3 | 425 \pm 4 | |
| All species combined ^a | | | | | | | | | |
| 1983-84 | 370 \pm 8 | 400 \pm 6 | 411 \pm 5 | 350 \pm 8 | 348 \pm 8 | 391 \pm 4 | 407 \pm 5 | 377 \pm 6 | |
| 1984-85 | 316 \pm 10 | 406 \pm 10 | 428 \pm 12 | 362 \pm 13 | 370 \pm 9 | 354 \pm 13 | 409 \pm 7 | 349 \pm 9 | |

^aIncludes "other" species.

Table D.20. Mean total length of fishes (mm/fish) \pm 1 SE caught by private-boat fishermen in Texas bays and passes during the high-use season by species, day type and bay system (1983-1984). Blank = no fish measured.

| Species | Year | Day type | Bay system | | | | | | Coastwide | |
|----------------------------|---------|---------------|--------------|--------------|---------------|--------------|----------------|--------------------|--------------|--------------------|
| | | | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | | Lower Laguna Madre |
| | | | | | | | | | | |
| Atlantic croaker | | | | | | | | | | |
| 1983 | | | | | | | | | | |
| | Weekend | 248 \pm 13 | 233 \pm 4 | 231 \pm 9 | 287 \pm 8 | 250 \pm 2 | 290 \pm 3 | 268 \pm 8 | 258 \pm 9 | |
| | Weekday | 259 \pm 11 | 238 \pm 9 | 232 \pm 6 | 300 \pm 7 | 288 \pm 4 | 286 \pm 5 | 259 \pm 6 | 268 \pm 9 | |
| 1984 | | | | | | | | | | |
| | Weekend | 228 \pm 4 | 210 \pm 11 | 218 \pm 19 | 258 \pm 5 | 234 \pm 7 | 241 \pm 22 | 244 \pm 9 | 228 \pm 4 | |
| | Weekday | 248 \pm 8 | 228 \pm 5 | 239 \pm 59 | 258 \pm 16 | 251 \pm 8 | 245 \pm 6 | 213 \pm 9 | 247 \pm 8 | |
| Black drum | | | | | | | | | | |
| 1983 | | | | | | | | | | |
| | Weekend | 388 \pm 26 | 326 \pm 14 | 377 \pm 10 | 372 \pm 20 | 354 \pm 5 | 409 \pm 19 | 435 \pm 18 | 362 \pm 16 | |
| | Weekday | 377 \pm 30 | 362 \pm 19 | 383 \pm 17 | 387 \pm 13 | 385 \pm 24 | 372 \pm 15 | 391 \pm 49 | 374 \pm 24 | |
| 1984 | | | | | | | | | | |
| | Weekend | 396 \pm 27 | 340 \pm 14 | 349 \pm 28 | 405 \pm 405 | 396 \pm 6 | 298 \pm 24 | 443 \pm 30 | 390 \pm 25 | |
| | Weekday | 475 \pm 25 | 341 \pm 20 | 376 \pm 28 | 403 \pm 52 | 327 \pm 20 | 363 \pm 40 | 344 \pm 64 | 414 \pm 24 | |
| Gafftopsail catfish | | | | | | | | | | |
| 1983 | | | | | | | | | | |
| | Weekend | 338 \pm 338 | 465 \pm 19 | 473 \pm 8 | 460 \pm 11 | 574 \pm 12 | 480 \pm 23 | | 467 \pm 46 | |
| | Weekday | 421 \pm 22 | 446 \pm 16 | 487 \pm 27 | 484 \pm 29 | 523 \pm 15 | 560 \pm 560 | 439 \pm 19 | 489 \pm 20 | |
| 1984 | | | | | | | | | | |
| | Weekend | 471 \pm 33 | 483 \pm 17 | 499 \pm 20 | 352 \pm 74 | 559 \pm 13 | 305 \pm 305 | | 462 \pm 32 | |
| | Weekday | 455 \pm 26 | 510 \pm 31 | 423 \pm 5 | 484 \pm 34 | 513 \pm 11 | 341 \pm 341 | 279 \pm 270 | 472 \pm 37 | |
| Red drum | | | | | | | | | | |
| 1983 | | | | | | | | | | |
| | Weekend | 582 \pm 38 | 493 \pm 10 | 485 \pm 7 | 489 \pm 8 | 463 \pm 8 | 511 \pm 8 | 508 \pm 11 | 498 \pm 10 | |
| | Weekday | 498 \pm 19 | 512 \pm 12 | 506 \pm 8 | 501 \pm 12 | 501 \pm 12 | 522 \pm 10 | 513 \pm 8 | 507 \pm 10 | |
| 1984 | | | | | | | | | | |
| | Weekend | 520 \pm 17 | 592 \pm 9 | 578 \pm 17 | 512 \pm 18 | 549 \pm 12 | 549 \pm 17 | 566 \pm 8 | 541 \pm 10 | |
| | Weekday | 588 \pm 15 | 574 \pm 12 | 567 \pm 9 | 541 \pm 16 | 523 \pm 10 | 544 \pm 21 | 573 \pm 11 | 558 \pm 11 | |

Table D.20. (Cont'd.)

| Species | Bay system | | | | | | | | Coastwide |
|--------------------------|------------|----------|-------------|----------|----------|----------|--------------------|--------------------|-----------|
| | Galveston | | San Antonio | | Aransas | | Upper Laguna Madre | Lower Laguna Madre | |
| | Year | Day type | Year | Day type | Year | Day type | Year | Day type | |
| Sand seatrout | | | | | | | | | |
| 1983 | | | | | | | | | |
| | Weekend | 278 ± 5 | 280 ± 9 | 289 ± 16 | 282 ± 13 | 312 ± 10 | 321 ± 3 | 297 ± 10 | 293 ± 8 |
| | Weekday | 288 ± 10 | 292 ± 18 | 294 ± 6 | 290 ± 7 | 295 ± 6 | 380 ± 8 | 298 ± 3 | 291 ± 9 |
| 1984 | | | | | | | | | |
| | Weekend | 265 ± 11 | 281 ± 7 | 278 ± 8 | 275 ± 2 | 271 ± 7 | 285 ± 6 | 296 ± 9 | 268 ± 10 |
| | Weekday | 284 ± 5 | 287 ± 8 | 297 ± 2 | 293 ± 10 | 282 ± 8 | 294 ± 18 | 280 ± 4 | 284 ± 5 |
| Sheepshead | | | | | | | | | |
| 1983 | | | | | | | | | |
| | Weekend | 350 ± 6 | 345 ± 10 | 380 ± 8 | 380 ± 8 | 371 ± 18 | 397 ± 7 | 354 ± 13 | 358 ± 7 |
| | Weekday | 339 ± 6 | 368 ± 11 | 396 ± 12 | 349 ± 6 | 351 ± 11 | 382 ± 11 | 352 ± 6 | 349 ± 7 |
| 1984 | | | | | | | | | |
| | Weekend | 353 ± 6 | 356 ± 9 | 375 ± 5 | 351 ± 8 | 385 ± 25 | 433 ± 23 | 365 ± 11 | 355 ± 7 |
| | Weekday | 354 ± 4 | 348 ± 10 | 394 ± 9 | 339 ± 25 | 389 ± 14 | 445 ± 22 | 353 ± 14 | 355 ± 7 |
| Southern flounder | | | | | | | | | |
| 1983 | | | | | | | | | |
| | Weekend | 346 ± 6 | 377 ± 10 | 368 ± 12 | 361 ± 11 | 341 ± 14 | 390 ± 9 | 382 ± 5 | 359 ± 8 |
| | Weekday | 354 ± 9 | 341 ± 7 | 383 ± 10 | 338 ± 3 | 353 ± 6 | 380 ± 8 | 390 ± 13 | 356 ± 7 |
| 1984 | | | | | | | | | |
| | Weekend | 359 ± 7 | 359 ± 6 | 379 ± 6 | 340 ± 8 | 368 ± 12 | 368 ± 35 | 357 ± 19 | 359 ± 8 |
| | Weekday | 355 ± 9 | 363 ± 10 | 375 ± 8 | 349 ± 10 | 344 ± 8 | 392 ± 19 | 342 ± 19 | 353 ± 10 |
| Spotted seatrout | | | | | | | | | |
| 1983 | | | | | | | | | |
| | Weekend | 413 ± 12 | 398 ± 10 | 381 ± 5 | 367 ± 4 | 391 ± 7 | 396 ± 3 | 402 ± 5 | 394 ± 6 |
| | Weekday | 446 ± 7 | 392 ± 7 | 393 ± 6 | 374 ± 8 | 387 ± 7 | 403 ± 4 | 398 ± 6 | 404 ± 5 |
| 1984 | | | | | | | | | |
| | Weekend | 443 ± 8 | 433 ± 14 | 412 ± 8 | 419 ± 6 | 411 ± 14 | 394 ± 11 | 406 ± 5 | 426 ± 6 |
| | Weekday | 452 ± 8 | 391 ± 6 | 412 ± 10 | 445 ± 32 | 437 ± 10 | 414 ± 10 | 398 ± 4 | 430 ± 7 |

Table D.20. (Cont'd.)

| Species Year Day type | Bay system | | | | | | | | Coastwide | |
|-----------------------------------|------------|-----------|-------------|----------|----------|----------------|----------|--------------------|-----------|--------------------|
| | Galveston | Matagorda | San Antonio | | Aransas | Corpus Christi | | Upper Laguna Madre | | Lower Laguna Madre |
| | | | | | | | | | | |
| All species combined ^a | | | | | | | | | | |
| 1983 | | | | | | | | | | |
| Weekend | 354 ± 13 | 393 ± 8 | 401 ± 6 | 359 ± 10 | 354 ± 7 | 384 ± 6 | 413 ± 7 | 372 ± 8 | | |
| Weekday | 371 ± 9 | 397 ± 9 | 415 ± 8 | 340 ± 11 | 338 ± 11 | 401 ± 6 | 402 ± 5 | 373 ± 8 | | |
| 1984 | | | | | | | | | | |
| Weekend | 293 ± 10 | 408 ± 16 | 433 ± 19 | 336 ± 17 | 370 ± 18 | 329 ± 20 | 432 ± 8 | 321 ± 11 | | |
| Weekday | 342 ± 9 | 390 ± 11 | 421 ± 18 | 350 ± 18 | 365 ± 13 | 418 ± 23 | 399 ± 10 | 356 ± 10 | | |

^aIncludes "other" species.

Table D.21. Mean total lengths of fishes (mm/fish) \pm 1 SE caught by private-boat fishermen in Texas bays and passes during the low-use season by species, day type and bay system (1983-1985). Blank = no fish measured.

| Species | Bay system | | | | | | | |
|---------------------|---------------|---------------|--------------|--------------|----------------|--------------|---------------|---------------|
| | | | San | | | Upper | Lower | Coastwide |
| | Year | Galveston | Antonio | Aransas | Corpus Christi | Laguna Madre | Laguna Madre | |
| Day type | | | | | | | | |
| Atlantic croaker | | | | | | | | |
| 1983-84 | | | | | | | | |
| Weekend | 192 \pm 24 | | | 285 | | | | 276 \pm 137 |
| Weekday | 186 | | | | | 288 | 282 | 191 \pm 186 |
| 1984-85 | | | | | | | | |
| Weekend | 216 \pm 2 | 208 \pm 7 | | | 260 | 235 \pm 11 | 238 \pm 4 | 224 \pm 24 |
| Weekday | 221 \pm 0 | | | 294 | | | 238 \pm 53 | 224 \pm 12 |
| Black drum | | | | | | | | |
| 1983-84 | | | | | | | | |
| Weekend | 693 \pm 122 | 400 \pm 73 | 369 \pm 12 | 297 | 449 | | 309 \pm 44 | 576 \pm 100 |
| Weekday | 488 \pm 79 | 422 \pm 78 | 383 \pm 26 | 426 \pm 28 | 405 \pm 21 | 497 \pm 5 | 351 \pm 41 | 414 \pm 32 |
| 1984-85 | | | | | | | | |
| Weekend | 638 | 669 \pm 108 | 272 \pm 28 | | 379 \pm 23 | 287 \pm 14 | 553 \pm 211 | 509 \pm 119 |
| Weekday | 715 \pm 57 | 396 \pm 77 | 297 \pm 36 | 340 \pm 12 | 337 | 382 | 300 \pm 51 | 410 \pm 45 |
| Gafftopsail catfish | | | | | | | | |
| 1983-84 | | | | | | | | |
| Weekend | 490 \pm 1 | 575 | 541 \pm 6 | | 533 | | | 511 \pm 31 |
| Weekday | | 490 | | 468 \pm 5 | | | | 478 \pm 151 |
| 1984-85 | | | | | | | | |
| Weekend | | 449 \pm 28 | 450 | | 457 | | | 450 \pm 125 |
| Weekday | 388 | | | 575 | 455 | | 214 | 433 \pm 404 |
| Red drum | | | | | | | | |
| 1983-84 | | | | | | | | |
| Weekend | 542 \pm 28 | 552 \pm 12 | 552 \pm 18 | 514 | 558 \pm 66 | 603 \pm 46 | 505 \pm 27 | 540 \pm 46 |
| Weekday | 534 \pm 58 | 556 \pm 7 | 497 \pm 18 | 540 \pm 5 | 539 \pm 17 | 567 \pm 35 | 532 \pm 16 | 541 \pm 17 |
| 1984-85 | | | | | | | | |
| Weekend | 617 | 550 \pm 20 | 480 \pm 10 | 555 \pm 33 | 470 \pm 44 | 494 \pm 15 | 494 \pm 27 | 512 \pm 43 |
| Weekday | 523 \pm 27 | 537 \pm 39 | 515 \pm 18 | 554 \pm 9 | 460 \pm 31 | 494 | 530 \pm 14 | 518 \pm 27 |

Table D.21. (Cont'd.)

| Species | Bay system | | | | | | | | |
|--------------------------|------------|-----------|-----------|-------------|----------|----------------|--------------------|--------------------|-----------|
| | Year | Galveston | Matagorda | San Antonio | | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | Coastwide |
| | | | | Aransas | | | | | |
| Sand seatrout | | | | | | | | | |
| 1983-84 | | | | | | | | | |
| Weekend | 225 | 357 ± 1 | 327 | 359 | | | 335 | 230 | |
| Weekday | 342 | 317 | | 262 ± 15 | 360 | | 316 ± 11 | 326 ± 202 | |
| 1984-85 | | | | | | | | | |
| Weekend | | 320 ± 17 | 338 ± 3 | | | 352 | 289 ± 2 | 297 ± 13 | |
| Weekday | 307 ± 15 | 283 | | | 369 ± 28 | 332 ± 5 | 276 ± 22 | 312 ± 14 | |
| Sheepshead | | | | | | | | | |
| 1983-84 | | | | | | | | | |
| Weekend | 369 ± 5 | 353 ± 16 | 360 ± 23 | 471 | 335 | | 361 ± 1 | 360 ± 26 | |
| Weekday | 376 | 298 ± 6 | 393 ± 4 | 397 ± 5 | 363 ± 54 | 446 ± 26 | 323 ± 6 | 353 ± 22 | |
| 1984-85 | | | | | | | | | |
| Weekend | 395 | 364 ± 9 | 416 ± 5 | 390 ± 20 | 442 | 394 | 332 ± 14 | 350 ± 19 | |
| Weekday | 231 | 362 ± 14 | | 388 ± 3 | 383 | 386 | 358 ± 15 | 384 ± 14 | |
| Southern flounder | | | | | | | | | |
| 1983-84 | | | | | | | | | |
| Weekend | 348 ± 29 | 383 ± 66 | 355 ± 8 | 371 | 354 | | 390 | 363 ± 83 | |
| Weekday | 360 ± 22 | 336 ± 17 | 367 ± 27 | 314 ± 3 | 287 ± 1 | 427 ± 28 | 372 ± 9 | 354 ± 18 | |
| 1984-85 | | | | | | | | | |
| Weekend | 326 ± 4 | 331 ± 22 | 353 ± 22 | 332 ± 11 | 340 ± 5 | 326 ± 10 | 331 ± 8 | 329 ± 7 | |
| Weekday | 355 ± 7 | 331 ± 35 | 316 ± 13 | 309 ± 15 | 363 ± 13 | 344 | 299 ± 4 | 344 ± 7 | |
| Spotted seatrout | | | | | | | | | |
| 1983-84 | | | | | | | | | |
| Weekend | 407 ± 14 | 420 ± 13 | 395 ± 11 | 361 | 386 | 418 | 451 ± 5 | 417 ± 33 | |
| Weekday | 458 ± 26 | 374 ± 31 | 388 | 362 ± 3 | 410 ± 10 | 430 ± 23 | 391 ± 11 | 427 ± 19 | |
| 1984-85 | | | | | | | | | |
| Weekend | 463 ± 60 | 436 ± 13 | 433 ± 20 | 443 ± 16 | 405 ± 6 | 398 ± 2 | 420 ± 9 | 422 ± 9 | |
| Weekday | 441 ± 4 | 438 ± 8 | 439 ± 5 | 414 ± 3 | 398 ± 5 | 396 ± 5 | 411 ± 6 | 418 ± 4 | |

Table D.21. (Cont'd.)

| Species | Bay system | | | | | | | Coastwide |
|-----------------------------------|------------|-----------|-------------|----------|----------------|--------------------|--------------------|-----------|
| | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | |
| Year | | | | | | | | |
| Day type | | | | | | | | |
| All species combined ^a | | | | | | | | |
| 1983-84 | | | | | | | | |
| Weekend | 463 ± 75 | 436 ± 17 | 452 ± 13 | 321 ± 43 | 432 ± 25 | 418 ± 26 | 424 ± 31 | 431 ± 41 |
| Weekday | 416 ± 28 | 384 ± 37 | 429 ± 6 | 385 ± 8 | 432 ± 19 | 457 ± 16 | 384 ± 15 | 404 ± 20 |
| 1984-85 | | | | | | | | |
| Weekend | 489 ± 53 | 434 ± 38 | 413 ± 18 | 418 ± 12 | 402 ± 12 | 376 ± 17 | 388 ± 21 | 415 ± 20 |
| Weekday | 381 ± 25 | 412 ± 26 | 447 ± 22 | 404 ± 5 | 366 ± 25 | 362 ± 10 | 384 ± 19 | 391 ± 14 |

^aIncludes "other" species.

Table D.22 Percent composition of "other" species caught by private-boat fishermen in Texas bays and passes by bay system, season and day type (1983 - 1985).

| Year | Season | Day type | Common name | Scientific name | Bay system | | | | | | Coastwide | |
|---------|----------|----------|--------------------------|-----------------------------------|------------|-----------|-------------|---------|----------------|--------------------|-----------|--------------------|
| | | | | | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | | Lower Laguna Madre |
| 1983-84 | High use | Weekend | African pompano | <u>Alectis alalis</u> | 0.33 | | | | | | | 0.06 |
| | | | Alligator gar | <u>Lepisosteus spatula</u> | | | | | | | 16.16 | 2.01 |
| | | | Atlantic cutlassfish | <u>Trichiurus lepturus</u> | | | | | 2.55 | | | 0.44 |
| | | | Atlantic spadefish | <u>Chaetodipterus faber</u> | 5.94 | | | | | | | 1.13 |
| | | | Bighead searobin | <u>Prionotus tribulus</u> | | | 0.27 | | | | | 0.06 |
| | | | Blue catfish | <u>Ictalurus furcatus</u> | | | 16.00 | | | | | 3.76 |
| | | | Bluefish | <u>Pomatomus saltatrix</u> | 9.90 | | 1.07 | 0.72 | 1.82 | | | 2.51 |
| | | | Blue runner | <u>Caranx crysos</u> | | | | 0.72 | 0.36 | | | 0.13 |
| | | | Bony fishes | <u>Class Osteichthyes</u> | | | 0.27 | | | | | 0.06 |
| | | | Channel catfish | <u>Ictalurus punctatus</u> | | | 0.80 | | | | | 0.19 |
| | | | Cobia | <u>Rachycentrum canadum</u> | | | 0.27 | | | | | 0.06 |
| | | | Common carp | <u>Cyprinus carpio</u> | | | | | | | 1.01 | 0.13 |
| | | | Crevalle Jack | <u>Caranx hippos</u> | | 1.30 | 3.20 | 0.72 | | 0.87 | 2.02 | 1.25 |
| | | | Florida pompano | <u>Trachinotus carolinus</u> | 0.99 | | 1.87 | | | 1.31 | 1.01 | 0.94 |
| | | | Gray triggerfish | <u>Balistes capriscus</u> | | | 0.80 | 0.72 | | | | 0.25 |
| | | | Gulf flounder | <u>Paralichthys albiquitta</u> | | | 0.27 | 11.51 | 4.74 | 3.06 | 3.03 | 2.70 |
| | | | Gulf kingfish | <u>Menticirrhus littoralis</u> | 6.93 | 23.38 | 12.27 | 2.88 | 0.73 | | | 5.71 |
| | | | Gulf toadfish | <u>Opsanus beta</u> | 0.33 | | | | 0.36 | | | 0.13 |
| | | | Hardhead catfish | <u>Arius felis</u> | 16.17 | 1.30 | 9.60 | | 6.20 | 0.44 | 4.55 | 7.08 |
| | | | Jacks sp. | Family Carangidae | 0.33 | | | | | | | 0.06 |
| | | | King mackerel | <u>Scomberomorus cavalla</u> | | | 0.27 | | 0.36 | | 2.53 | 0.44 |
| | | | Ladyfish | <u>Elops saurus</u> | | 1.30 | | 0.72 | 1.09 | 2.18 | | 0.63 |
| | | | Needlefish sp. | Family Belonidae | 0.66 | | | | | | | 0.13 |
| | | | Atlantic needlefish | <u>Strongylura marina</u> | | | | 0.72 | | 0.44 | | 0.13 |
| | | | Permit | <u>Trachinotus falcatus</u> | 0.33 | | | | | | | 0.06 |
| | | | Plgfish | <u>Orthopristis chrysoptera</u> | 12.87 | | 0.53 | 7.19 | 23.36 | 30.57 | | 11.60 |
| | | | Pinfish | <u>Lagodon rhomboides</u> | 0.99 | | 4.27 | 6.47 | 23.72 | 23.58 | | 9.22 |
| | | | Sawfishes sp. | Family Pristidae | | | | | | 0.44 | | 0.06 |
| | | | Sharks sp. | | | | | | | | | |
| | | | Atlantic sharpnose shark | <u>Rhizoprionodon terraenovae</u> | 0.66 | | 1.87 | | 1.09 | | | 0.75 |

Table D.22. (Cont'd.)

| Year | Season | Day type | Common name | Scientific name | Bay system | | | | | | Coastwide | |
|------|----------|----------|----------------------|---------------------------------|------------|-----------|---------|---------|----------------|--------------|-----------|--------------|
| | | | | | Galveston | Matagorda | San | | Corpus Christi | Upper | | Lower |
| | | | | | | | Antonio | Aransas | | Laguna Madre | | Laguna Madre |
| | | | Blacktip sharks | <u>Carcharhinus limbatus</u> | | 18.18 | 4.00 | 0.72 | 0.36 | | 1.52 | 2.13 |
| | | | Bonnethead | <u>Sphyrna tiburo</u> | | 3.90 | 3.20 | | 1.09 | | | 1.13 |
| | | | Bull shark | <u>Carcharhinus leucas</u> | | 2.60 | | | | | | 0.13 |
| | | | Finetooth shark | <u>Carcharhinus isodor</u> | | | 0.80 | | | | | 0.19 |
| | | | Requiem sharks | Family Carcharinidae | | | | 4.32 | | | | 0.38 |
| | | | Scalloped hammerhead | <u>Sphyrna lewini</u> | | | 0.27 | 0.72 | 0.36 | | | 0.19 |
| | | | Shrimp eel | <u>Opichthus gornesi</u> | | | | | 0.73 | | | 0.13 |
| | | | Silver perch | <u>Bairdiella chrysura</u> | 20.46 | | | 7.19 | 5.47 | 29.26 | | 9.66 |
| | | | Smooth puffer | <u>Lagocephalus laevigatus</u> | | | | 0.72 | | | | 0.06 |
| | | | Snake eels | Family Opichthidae | | | | 0.72 | | | | 0.06 |
| | | | Snapper sp. | Family Lutjanidae | | | | | | | | |
| | | | Gray snapper | <u>Lutjanus griseus</u> | | | | | | | 2.02 | 0.25 |
| | | | Lane snapper | <u>Lutjanus synagris</u> | | | | | | | 0.51 | 0.06 |
| | | | Red snapper | <u>Lutjanus campechanus</u> | 0.33 | 1.30 | 0.53 | 1.44 | | | 10.10 | 1.63 |
| | | | Schoolmaster | <u>Lutjanus apodus</u> | | | | | | | 0.51 | 0.06 |
| | | | Snook | <u>Centropomus undecimalis</u> | | | 0.27 | | | | 3.03 | 0.44 |
| | | | Southern kingfish | <u>Menticirrhus americanus</u> | 13.20 | 36.36 | 30.40 | 41.73 | 24.82 | 7.86 | 51.01 | 26.77 |
| | | | Spanish mackerel | <u>Scomberomorus maculatus</u> | 5.28 | 7.79 | 5.60 | 0.72 | | | 1.01 | 2.88 |
| | | | Speckled worm eel | <u>Myrophis punctatus</u> | | | | 8.63 | | | | 0.75 |
| | | | Spot | <u>Leiostomus xanthurus</u> | | 3.63 | | | | | | 0.69 |
| | | | Stingray sp. | Family Dasyatidae | | 0.66 | | | | | | 0.13 |
| | | | Atlantic stingray | <u>Dasyatis sabina</u> | | | | 0.72 | 0.36 | | | 0.13 |
| | | | Southern stingray | <u>Dasyatis americana</u> | | | 0.80 | | | | | 0.19 |
| | | | Striped mullet | <u>Mugil cephalis</u> | | | | 0.53 | 0.36 | | | 0.19 |
| | | | Tarpon | <u>Megalops atlanticus</u> | | 1.30 | | | | | | 0.06 |
| | | | Tripletail | <u>Lobotes surinamensis</u> | | 1.30 | | | | | | 0.06 |
| | Weekdays | | Atlantic cutlassfish | <u>Trichiurus lepturus</u> | | | | | 0.53 | 1.11 | | 0.17 |
| | | | Atlantic spadefish | <u>Chaetodipterus faber</u> | | | | | | | 0.63 | 0.06 |
| | | | Banded drum | <u>Larimus fasciatus</u> | | | | | | | 0.63 | 0.06 |
| | | | Bandtail puffer | <u>Sphoeroides spengleri</u> | | | 0.29 | | | | | 0.06 |
| | | | Barred grunt | <u>Conodon nobilis</u> | | | 0.29 | | 0.27 | | | 0.12 |
| | | | Bighead searobin | <u>Prionotus tributus</u> | | | | | | 1.11 | | 0.06 |
| | | | Black margate | <u>Anisotremus surinamensis</u> | | | | 0.26 | | | | 0.06 |

Table D.22. (Cont'd.)

| Year Season Day type | Common name | Scientific name | Bay system | | | | | | Coastwide | |
|----------------------------|--------------------------|-----------------------------------|------------|-----------|---------|---------|----------------|--------------|-----------|--------------|
| | | | Galveston | Matagorda | San | | Corpus Christi | Upper | | Lower |
| | | | | | Antonio | Aransas | | Laguna Madre | | Laguna Madre |
| | Bluntnose jack | <u>Hemicaranx amblyrhachus</u> | | | | | 0.27 | | 0.06 | |
| | Blue catfish | <u>Ictalurus furcatus</u> | 2.94 | 8.47 | | | | | 0.81 | |
| | Bluefish | <u>Pomatomus saltatrix</u> | 1.96 | 1.69 | 0.86 | | 0.53 | | 0.69 | |
| | Bluerunner | <u>Caranx crysos</u> | | | 0.57 | 0.27 | | | 0.17 | |
| | Cobia | <u>Rachycentrum canadum</u> | | | | 0.26 | | | 0.06 | |
| | Crevalle jack | <u>Caranx hippos</u> | 1.63 | 1.69 | 1.71 | 0.51 | | 2.22 | 1.27 | 1.04 |
| | Finescale menhaden | | | 6.78 | | | | | | 0.23 |
| | Florida pompano | <u>Trachinotus carolinus</u> | 0.33 | | 1.71 | 0.26 | | | 0.63 | 0.52 |
| | Gray triggerfish | <u>Balistes capriscus</u> | | 3.39 | 0.86 | 0.77 | 1.33 | | | 0.75 |
| | Greater amberjack | <u>Seriola dumerilli</u> | | | 0.29 | | | | | 0.06 |
| | Gulf flounder | <u>Paralichthys albiquitta</u> | | | | 6.17 | 17.33 | 13.33 | 22.15 | 7.87 |
| | Gulf kingfish | <u>Menticirrhus littoralis</u> | 1.63 | | 7.71 | 1.29 | 1.07 | | | 2.37 |
| | Hardhead catfish | <u>Arius felis</u> | 3.92 | | 0.29 | 4.88 | 7.20 | 1.11 | 18.99 | 5.21 |
| | Inshore lizardfish | <u>Synodus foetens</u> | | | | | 0.80 | | | 0.17 |
| | King mackerel | <u>Scomberomorus cavalla</u> | | | 0.86 | | | | | 0.17 |
| | Ladyfish | <u>Elops saurus</u> | | | 1.17 | 0.77 | 2.40 | 10.00 | 4.43 | 1.97 |
| | Orange filefish | <u>Aluterus schoepfi</u> | | | | | 0.27 | | | 0.06 |
| | Pigfish | <u>Orthopristis chrysoptera</u> | 2.94 | 1.69 | 0.57 | 21.59 | 13.07 | 6.67 | 8.23 | 9.50 |
| | Pinfish | <u>Logodon rhomboides</u> | 0.65 | 1.69 | 2.86 | 12.34 | 28.00 | 55.56 | | 12.51 |
| | Seabasses sp. | Family Serranidae | | | | | 0.53 | | | 0.12 |
| | Rockhind | <u>Epinephalus adscensionis</u> | | | | 0.26 | | | 1.90 | 0.23 |
| | Sharks sp | | | | | | | | | |
| | Atlantic sharpnose shark | <u>Rhizoprionodon terraenovae</u> | 0.33 | | 0.96 | | | 1.11 | | 0.29 |
| | Blacktip shark | <u>Carcharhinus limbatus</u> | | 1.69 | 14.29 | 0.51 | 2.13 | | | 3.53 |
| | Bonnethead | <u>Sphyrna tiburo</u> | | | 6.29 | | | | | 1.27 |
| | Bullshark | <u>Carcharhinus leucas</u> | | 1.69 | 0.86 | | | | | 0.23 |
| | Finetooth shark | <u>Carcharhinus isodon</u> | | | | | 0.27 | | | 0.06 |
| | Scalloped hammerhead | <u>Sphyrna lewini</u> | 0.33 | | 0.57 | | | | | 0.17 |
| | Silver perch | <u>Bairdiella chrysura</u> | 31.70 | 42.37 | 0.57 | 1.03 | 9.07 | 4.44 | | 9.61 |
| | Silver seatrout | <u>Dynoscion nothus</u> | 19.93 | | | | | | | 3.53 |
| | Snake eels sp. | Family Ophichthidae | | | | | 0.80 | | | 0.17 |

Table D.22. (Cont'd.)

| Year | Season | Day type | Common name | Scientific name | Bay system | | | | | | Coastwide | |
|------|---------|----------|---------------------|---------------------------------|------------|-----------|-------------|---------|----------------|--------------------|-----------|--------------------|
| | | | | | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | | Lower Laguna Madre |
| | | | Snappers sp. | Family Lutjanidae | 0.98 | | | | | | | 0.17 |
| | | | Dog snapper | <u>Lutjanus jocu</u> | | | | | 0.27 | | | 0.06 |
| | | | Gray snapper | <u>Lutjanus griseus</u> | | | | 0.26 | 1.60 | | 0.63 | 0.46 |
| | | | Red snapper | <u>Lutjanus campechanus</u> | | | | 0.26 | 1.07 | | | 0.29 |
| | | | Snook | <u>Centropomus undecimalis</u> | | | | | 0.27 | | 1.90 | 0.23 |
| | | | Southern kingfish | <u>Menticirrhus americanus</u> | 19.61 | 16.95 | 47.14 | 25.45 | 9.60 | 3.33 | 37.97 | 25.07 |
| | | | Spanish mackerel | <u>Scomberomorus maculatus</u> | 8.50 | 6.78 | 8.00 | 0.26 | 1.07 | | 0.63 | 3.71 |
| | | | Spot | <u>Leiostomus xanthurus</u> | | 5.08 | | 0.77 | | | | 0.35 |
| | | | Stingray sp | Family Dasyatidae | | | | | | | | |
| | | | Atlantic stingray | <u>Disyatis sabina</u> | 2.29 | | | | | | | 0.41 |
| | | | Striped burrfish | <u>Chilomycterus schoepfi</u> | | | 0.29 | | | | | 0.06 |
| | | | Striped mullet | <u>Mugil cephalus</u> | | | | 21.85 | | | | 4.92 |
| | | | Tarpon | <u>Megalops atlanticus</u> | | | 0.29 | | | | | 0.06 |
| | | | Three-eyed flounder | <u>Ancylopsetta dilecta</u> | | | | 0.26 | | | | 0.06 |
| | | | Tripletail | <u>Lobotes surinamensis</u> | 0.33 | | | | | | | 0.06 |
| | | | White mullet | <u>Mugil cephalus</u> | | | 0.29 | | | | | 0.06 |
| | Low use | | | | | | | | | | | |
| | Weekend | | Gulf kingfish | <u>Menticirrhus littoralis</u> | | | 1.92 | | | | | 0.90 |
| | | | Hardhead catfish | <u>Arius felis</u> | 50.00 | | | | 33.33 | 86.67 | | 22.81 |
| | | | Pigfish | <u>Orthopristis chrysoptera</u> | 8.33 | | | | | | | 1.80 |
| | | | Silver perch | <u>Bairdiella chrysura</u> | 4.17 | | | | | | | 0.90 |
| | | | Southern kingfish | <u>Menticirrhus americanus</u> | 35.50 | | 98.08 | | 66.67 | 13.33 | 100.00 | 72.73 |
| | Weekday | | | | | | | | | | | |
| | | | Gulf flounder | <u>Paralichthys albigutta</u> | | | | | | | 4.76 | 1.75 |
| | | | Gulf kingfish | <u>Menticirrhus littoralis</u> | | | | | | | 9.52 | 3.51 |
| | | | Hardhead catfish | <u>Arius felis</u> | | 100.00 | | | 16.00 | | | 14.04 |
| | | | Ladyfish | <u>Elops saurus</u> | | | | | | | 4.76 | 1.75 |
| | | | Sharks sp. | | | | | | | | | |
| | | | Bonnethead | <u>Sphyrna tiburo</u> | | | 100.00 | | | | | 1.75 |
| | | | Southern kingfish | <u>Menticirrhus americanus</u> | | | | 100.00 | 84.00 | | 80.95 | 77.19 |

Table D.22. (Cont'd.)

| Year | Season | Day type | Common name | Scientific name | Bay system | | | | | | Coastwide | | | |
|---------|----------|----------|--------------------------|------------------------------------|------------|-----------|-------------|---------|----------------|--------------------|-----------|--------------------|------|-------|
| | | | | | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | | Lower Laguna Madre | | |
| 1984-85 | High use | Weekend | Alligator gar | <u>Lepisosteus spatula</u> | | 0.57 | | 0.37 | | | | 15.53 | | 2.72 |
| | | | Atlantic cutlassfish | <u>Trichiurus lepturus</u> | 0.52 | | | | | | | | | 0.16 |
| | | | Atlantic spadefish | <u>Chaetodipterus faber</u> | | 4.55 | | | | | | | | 0.64 |
| | | | Boxy fishes sp. | <u>Class Osteichthys</u> | 0.26 | | | | | | | | | 0.08 |
| | | | Blue catfish | <u>Ictalurus furcatus</u> | 5.46 | | | 9.16 | 1.50 | | | | | 3.84 |
| | | | Bluefish | <u>Pomatomus saltatrix</u> | 2.60 | | | | 0.75 | 2.27 | | | | 0.96 |
| | | | Blue runner | <u>Caranx crysos</u> | | | | 0.73 | | 2.27 | | | 0.49 | 0.32 |
| | | | Channel catfish | <u>Ictalurus punctatus</u> | | | | | 0.75 | | | | 8.74 | 1.52 |
| | | | Cobia | <u>Rachycentum canadum</u> | 0.26 | | | | | | | | 0.49 | 0.16 |
| | | | Crevette jack | <u>Caranx hippos</u> | 0.78 | 1.14 | 2.93 | 0.75 | | | 1.89 | | | 1.20 |
| | | | Finescale menhaden | <u>Brevoortia gunteri</u> | | | 0.73 | | | | | | | 0.16 |
| | | | Florida pompano | <u>Trachinotus carolinus</u> | | | 0.73 | | | | | | 0.49 | 0.24 |
| | | | Gray triggerfish | <u>Balistes capriscus</u> | 0.26 | 6.25 | 0.37 | | | | | | | 1.03 |
| | | | Gulf flounder | <u>Paralichthys albigutta</u> | | | 1.10 | 14.29 | 11.36 | 5.66 | 0.49 | | | 2.11 |
| | | | Gulf kingfish | <u>Menticirrhus littoralis</u> | 0.78 | 0.57 | 6.96 | | | | | | 0.97 | 2.00 |
| | | | Gulf toadfish | <u>Opsanus beta</u> | | | | | | 9.43 | | | | 0.40 |
| | | | Hardhead catfish | <u>Aruis felis</u> | 24.54 | 1.70 | 2.56 | 12.03 | | 32.08 | 54.85 | | | 20.00 |
| | | | King mackerel | <u>Scomberomorus cavalla</u> | | 0.57 | | | | | | | | 0.08 |
| | | | Ladyfish | <u>Elops saurus</u> | 0.78 | 6.82 | 5.49 | | 2.27 | 5.66 | 1.46 | | | 2.96 |
| | | | Leatherjacket | <u>Oligoplites saurus</u> | | | 0.37 | | | | | | | 0.08 |
| | | | Ocellated flounder | <u>Ancylopsetta quadrocellata</u> | 0.26 | | | | | | | | | 0.08 |
| | | | Pigfish | <u>Orthopristis chrysoptera</u> | 25.74 | 2.84 | | 7.52 | 9.09 | 15.09 | 0.49 | | | 10.16 |
| | | | Pinfish | <u>Lagodon rhomboides</u> | 8.32 | 0.57 | | 37.59 | 4.55 | 15.09 | | | | 7.44 |
| | | | Pompano dolphin | <u>Coryphaena equisetis</u> | | | 0.37 | | | | | | | 0.08 |
| | | | Seabasses sp. | | | | | | | | | | | |
| | | | Jewfish | <u>Epinephelus itajara</u> | | | 1.47 | | | | | | | 0.32 |
| | | | Rocksea bass | <u>Centropristis philadelphica</u> | | | 0.37 | | | | | | | 0.08 |
| | | | Sharks sp. | | | | | | | | | | | |
| | | | Atlantic sharpnose shark | <u>Rhizoprionodon terraenovae</u> | | 7.95 | 6.23 | | | | | | | 2.48 |
| | | | Blacktip shark | <u>Carcharhinus limbatus</u> | 1.04 | 1.14 | 5.86 | 1.50 | 4.55 | | | | | 2.08 |

Table D.22. (Cont'd.)

| Year | Season | Day type | Common name | Scientific name | Bay system | | | | | | Coastwide | |
|---------|--------|----------|----------------------|--------------------------------|------------|-----------|-------------|---------|----------------|--------------------|-----------|--------------------|
| | | | | | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | | Lower Laguna Madre |
| | | | Bonnethead | <u>Sphyrna tiburo</u> | | 11.36 | 10.99 | | | | 4.85 | 4.80 |
| | | | Finetooth shark | <u>Carcharhinus isodon</u> | | 7.95 | 3.66 | | | | | 1.92 |
| | | | Great hammerhead | <u>Sphyrna mokarran</u> | 0.26 | | | | | | | 0.08 |
| | | | Requiem sharks | Family <u>Carcharhinidae</u> | | | 0.37 | | | | | 0.08 |
| | | | Sandbar shark | <u>Carcharhinus plumbeus</u> | | 0.57 | 0.37 | | | | | 0.16 |
| | | | Scalloped hammerhead | <u>Sphyrna lewini</u> | | | 0.37 | | | | 0.49 | 0.16 |
| | | | Smalleye hammerhead | <u>Sphyrna tudes</u> | | | 0.37 | | | | | 0.08 |
| | | | Spinner shark | <u>Carcharhinus brevipinna</u> | | | 2.56 | | | | | 0.56 |
| | | | Silver perch | <u>Bairdiella chrysura</u> | 14.04 | 1.70 | | | 9.09 | 3.77 | 1.46 | 5.28 |
| | | | Silver seatrout | <u>Cynoscion nothus</u> | 0.78 | | | | | | | 0.24 |
| | | | Snapper sp. | | | | | | | | | |
| | | | Red snapper | <u>Lutjanus campechanus</u> | | 5.68 | 0.37 | 6.02 | | | 0.97 | 1.68 |
| | | | Southern kingfish | <u>Meuticirrhus americanus</u> | 12.22 | 33.52 | 24.54 | 5.26 | 47.73 | 11.32 | 7.77 | 17.84 |
| | | | Spanish mackerel | <u>Scomberomorus maculatus</u> | | 1.14 | 0.37 | 9.77 | | | 0.49 | 1.36 |
| | | | Spot | <u>Leiostomus xanthurus</u> | 0.26 | | | | | | | 0.08 |
| | | | Stingray sp. | Family <u>Dasyalidae</u> | | 0.26 | | | | | | 0.08 |
| | | | Atlantic stingray | <u>Dasyatis sabina</u> | | | 0.73 | | | | | 0.16 |
| | | | Southern stingray | <u>Dasyatis americana</u> | | 1.70 | | | | | | 0.24 |
| | | | Striped mullet | <u>Mugil cephalus</u> | 0.26 | | 9.16 | 2.26 | 4.55 | | | 2.48 |
| | | | Tarpon | <u>Megalops atlanticus</u> | | 0.57 | | | 2.27 | | | 0.16 |
| | | | Tripletail | <u>Lobotes surinamensis</u> | | 1.14 | 0.37 | | | | | 0.24 |
| Weekday | | | Alligator gar | <u>Lepisosteus spatula</u> | | 1.47 | | | | | 0.94 | 0.30 |
| | | | Atlantic cutlassfish | <u>Trichiurus lepturus</u> | 4.65 | | | | | | | 1.18 |
| | | | Atlantic spadefish | <u>Chaeotdipaterus faber</u> | | | | | 2.14 | | | 0.44 |
| | | | Bighead searobin | <u>Prionotus tribulus</u> | 0.58 | | | | | | | 0.15 |
| | | | Blue catfish | <u>Ictalurus furcatus</u> | | 7.35 | | | | | | 0.74 |
| | | | Bluefish | <u>Pomatomus saltatrix</u> | | | 0.67 | | | | | 0.15 |
| | | | Blue runner | <u>Caranx crysos</u> | | | | | 5.00 | | | 1.03 |
| | | | Cobia | <u>Rachycentrum canadun</u> | 3.49 | 1.47 | 0.67 | 2.78 | 3.57 | 20.00 | 6.60 | 3.25 |
| | | | Crevalle jack | <u>Caranx hippos</u> | 1.16 | | | | | | | 0.30 |
| | | | Florida pompano | <u>Trachinotus carolinus</u> | 1.16 | | 1.33 | | | | 1.89 | 0.89 |
| | | | Gray triggerfish | <u>Balistes capriscus</u> | | | 2.00 | 2.78 | 14.29 | | | 3.55 |
| | | | Gulf flounder | <u>Paralichthys albigutta</u> | | | | | 10.00 | 60.00 | 8.49 | 3.84 |

Table D.22. (Cont'd.)

| Year | Season | Day type | Common name | Scientific name | Bay system | | | | | | Coastwide | |
|------|--------|----------|--------------------------|------------------------------------|------------|-----------|-------------|---------|----------------|--------------------|-----------|--------------------|
| | | | | | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | | Lower Laguna Madre |
| | | | Gulf kingfish | <u>Menticirrhus littoralis</u> | 0.58 | | | 19.44 | | | 3.77 | 1.77 |
| | | | Gulf menhaden | <u>Brevoortia patronus</u> | | | | | 0.71 | | | 0.15 |
| | | | Hardhead catfish | <u>Arius felis</u> | 42.44 | 4.41 | 8.00 | 8.33 | 16.43 | 20.00 | 50.00 | 24.82 |
| | | | King mackerel | <u>Scomberomorus cavalla</u> | | | | 2.78 | 0.71 | | | 0.30 |
| | | | Ladyfish | <u>Elops saurus</u> | 3.49 | 1.47 | 0.67 | 2.78 | 3.57 | 20.00 | 6.60 | 3.25 |
| | | | Pigfish | <u>Orthopristis chrysoptera</u> | 10.47 | 1.47 | 1.33 | 19.44 | 20.00 | | 2.83 | 8.71 |
| | | | Pinfish | <u>Lagodon rhomboides</u> | 14.53 | 1.47 | 3.33 | 5.56 | 1.43 | | | 5.17 |
| | | | Seabasses sp. | Family Serranidae | | 1.47 | | 2.78 | | | | 0.30 |
| | | | Rock sea bass | <u>Centropristis philadelphica</u> | | | | 5.56 | | | | 0.30 |
| | | | Sharks sp. | | | | | | | | | |
| | | | Atlantic sharpnose shark | <u>Rhizoprionodon terranovae</u> | | 4.41 | 14.67 | | | | | 3.69 |
| | | | Blacktip shark | <u>Carcharhinus limbates</u> | | 7.35 | 3.33 | | | | | 1.48 |
| | | | Bonnethead | <u>Sphyrna tiburo</u> | 1.74 | 2.94 | 11.33 | | | | | 3.25 |
| | | | Bull shark | <u>Carcharhinus leucas</u> | | 5.88 | 2.00 | 2.78 | | | | 1.18 |
| | | | Finetooth shark | <u>Carcharhinus isodon</u> | | | 0.67 | | | | | 0.15 |
| | | | Spinner shark | <u>Carcharhinus brevipinna</u> | | 4.41 | | | | | | 0.44 |
| | | | Silver perch | <u>Bairdiella chrysura</u> | 11.05 | | 1.33 | 13.89 | 0.71 | | 1.89 | 4.28 |
| | | | Smallmouth buffalo | <u>Ictiobus bubalus</u> | | | | | 5.71 | | | 7.18 |
| | | | Smooth puffer | <u>Lagocephalus laevigatus</u> | | | | | | | 0.94 | 0.15 |
| | | | Snapper sp. | | | | | | | | | |
| | | | Lane snapper | <u>Lutjanus synagris</u> | | 1.47 | | | | | | 0.15 |
| | | | Red snapper | <u>Lutjanus campechanus</u> | 0.58 | | | 11.11 | 2.86 | | | 1.33 |
| | | | Vermilion snapper | <u>Rhomoblites aurorubens</u> | | | | | 0.71 | | | 0.15 |
| | | | Southern kingfish | <u>Menticirrhus americanus</u> | 2.91 | 42.65 | 44.00 | | 5.71 | | 22.64 | 19.50 |
| | | | Spanish mackerel | <u>Scomberomus maculatus</u> | 3.49 | 4.41 | 4.67 | 2.78 | 4.29 | | | 3.40 |
| | | | Spot | <u>Leiostomus xanthurus</u> | | | | | 5.00 | | | 1.03 |
| | | | Stingrays sp. | | | | | | | | | |
| | | | Atlantic stingray | <u>Dasyatis sabina</u> | | 2.94 | | | | | | 0.30 |
| | | | Striped burrfish | <u>Chilomycterus schoepfi</u> | 0.58 | | | | | | | 0.15 |
| | | | Tarpon | <u>Megalops atlanticus</u> | | 2.94 | | | | | | 0.30 |
| | | | Tripletail | <u>Lobotes surinamensis</u> | | 1.47 | | | | | | 0.15 |

Table D.22. (Cont'd.)

| Year | Season | Day type | Common name | Scientific name | Bay system | | | | | | | | |
|------|---------|----------|--------------------------|----------------------------------|------------|-----------|-------------|---------|----------------|--------------------|--------------------|-----------|-------|
| | | | | | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | Coastwide | |
| | Low use | | | | | | | | | | | | |
| | Weekend | | Alligator gar | <u>Lepisosteus spatula</u> | | | | | | | | 0.89 | 0.38 |
| | | | Atlantic cutlassfish | <u>Trichiurus lepturus</u> | | | | | | 7.14 | | | 0.19 |
| | | | Atlantic spadefish | <u>Chaetodipterus faber</u> | | 0.77 | | | | | | | 0.19 |
| | | | Blue catfish | <u>Ictalurus furcatus</u> | 6.45 | 15.38 | | | | | | | 4.21 |
| | | | Channel catfish | <u>Ictalurus punctatus</u> | 83.87 | | | | | | | | 4.97 |
| | | | Crevalle jack | <u>Caranx hippos</u> | | | 1.15 | | | | | | 0.19 |
| | | | Florida pompano | <u>Trachinotus carolinus</u> | | | | | | | | 0.45 | 0.19 |
| | | | Gray triggerfish | <u>Balistes capriscus</u> | | 2.31 | | | | | | | 0.57 |
| | | | Greater amberjack | <u>Seriola dumerili</u> | | 0.77 | | | | | | | 0.19 |
| | | | Gulf flounder | <u>Paralichthys albigutta</u> | | | | 25.00 | 3.03 | | | | 0.38 |
| | | | Gulf kingfish | <u>Menticirrhus littoralis</u> | | 2.31 | 12.64 | | | | | | 2.68 |
| | | | Hardhead catfish | <u>Arius felis</u> | | 5.38 | 4.76 | | 3.03 | 31.43 | 9.38 | 6.88 | 6.88 |
| | | | Molly miller | <u>Scartella cristata</u> | | | | | | | 2.68 | | 1.15 |
| | | | Pigfish | <u>Orthopristis chrysoptera</u> | | 3.08 | 8.05 | | 81.82 | 35.71 | | | 8.22 |
| | | | Pinfish | <u>Lagodon rhomboides</u> | | | | | | 7.14 | | | 0.19 |
| | | | Seabasses sp. | | | | | | | | | | |
| | | | Comb grouper | <u>Mycteroperca rubra</u> | | | | | | | | 0.89 | 0.38 |
| | | | Gag | <u>Mycteroperca microlepis</u> | | | | | | | | 0.45 | 0.19 |
| | | | Searobin sp. | Family Triglidae | 3.23 | | | | | | | | 0.19 |
| | | | Bighead searobin | <u>Prionotus tribulus</u> | | | | | | | | 0.45 | 0.19 |
| | | | Sharks sp. | | | | | | | | | | |
| | | | Atlantic sharpnose shark | <u>Rhizoprionodon terranovae</u> | | 0.77 | | | | | | | 0.19 |
| | | | Bonnethead | <u>Sphyrna tiburo</u> | | | 14.94 | | 6.06 | 7.14 | | | 3.06 |
| | | | Requiem sharks | Family Carcharhinidae | | | 14.94 | | | | | | 2.49 |
| | | | Silver perch | <u>Bairdiella chrysura</u> | 6.45 | 38.46 | | | | | | | 9.94 |
| | | | Smallmouth buffalo | <u>Ictiobus bubalus</u> | | 0.77 | | | | | | | 0.19 |
| | | | Snappers sp. | | | | | | | | | | |
| | | | Red snapper | <u>Lutjanus campechanus</u> | | 29.23 | 1.15 | | | | | | 7.46 |
| | | | Southern hake | <u>Urophycis floridanus</u> | | | | | 3.03 | | | | 0.19 |
| | | | Southern kingfish | <u>Menticirrhus americanus</u> | | 0.77 | 36.78 | 75.00 | 3.03 | 21.43 | 84.82 | | 43.98 |

Table D.22. (Cont'd.)

| Year | Season | Day type | Common name | Scientific name | Bay system | | | | | | | |
|---------|--------|----------|--------------------|---------------------------------|------------|-----------|-------------|---------|----------------|--------------------|--------------------|-----------|
| | | | | | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | Coastwide |
| | | | Stingray sp. | | | | | | | | | |
| | | | Atlantic stingray | <u>Dasyatis sabina</u> | | | 1.15 | | | | | 0.19 |
| | | | Southern stingray | <u>Dasyatis americana</u> | | | 1.15 | | | | | 0.19 |
| Weekday | | | Blue catfish | <u>Ictalurus furcatus</u> | 96.15 | | | | | | | 82.81 |
| | | | Channel catfish | <u>Ictalurus punctatus</u> | 2.95 | | | | | | | 2.54 |
| | | | Gulf flounder | <u>Paralichthys albiquitta</u> | | | | 38.46 | | 50.00 | 20.00 | 1.37 |
| | | | Hardhead catfish | <u>Arius felis</u> | 0.45 | | | 38.46 | 2.08 | | 80.00 | 2.34 |
| | | | Pigfish | <u>Orthopristis chrysoptera</u> | | | | 7.69 | 2.08 | | | 0.39 |
| | | | Silver perch | <u>Bairdiella chrysura</u> | 0.23 | | | 7.69 | | | | 0.20 |
| | | | Smallmouth buffalo | <u>Ictiobus bubalus</u> | 0.23 | | | | | 50.00 | | 0.20 |
| | | | Spot | <u>Leiostomus xanthurus</u> | | | | | 83.33 | | | 7.81 |
| | | | Southern kingfish | <u>Menticirrhus americanus</u> | | | 100.00 | | 10.42 | | | 1.56 |
| | | | Striped mullet | <u>Mugil cephalus</u> | | | | 7.69 | | | | 0.20 |

Table D.23. Percent composition of the annual residential origin of private-boat fishermen in Texas bays and passes by bay system (1974-85).

| Bay system Year ^a | Adjacent coastal counties | Non-adjacent coastal counties | Non-coastal counties | Other states and countries |
|---------------------------------|---------------------------|-------------------------------|----------------------|----------------------------|
| Galveston | | | | |
| 1974-76 | 85 | 9 | 4 | 2 |
| 1976-77 | 92 | 5 | 2 | 0 |
| 1977-78 | 95 | 4 | 1 | 0 |
| 1978-79 | 92 | 0 | 7 | 0 |
| 1979-80 | 98 | 1 | 1 | 0 |
| 1980-81 | 98 | 1 | 1 | 0 |
| 1981-82 | 89 | 6 | 5 | 0 |
| 1982-83 | 96 | 2 | 2 | 0 |
| 1983-84 | 88 | 3 | 8 | 0 |
| 1984-85 | 92 | 3 | 5 | 1 |
| Matagorda | | | | |
| 1974-76 | 41 | 45 | 14 | 0 |
| 1976-77 | 48 | 37 | 15 | 0 |
| 1977-78 | 40 | 34 | 26 | 0 |
| 1978-79 | 36 | 32 | 32 | 0 |
| 1979-80 | 45 | 24 | 31 | 0 |
| 1980-81 | 52 | 23 | 25 | 0 |
| 1981-82 | 52 | 22 | 26 | 0 |
| 1982-83 | 51 | 26 | 23 | 0 |
| 1983-84 | 32 | 28 | 39 | 1 |
| 1984-85 | 47 | 25 | 26 | 1 |
| San Antonio | | | | |
| 1974-76 | 45 | 25 | 29 | 1 |
| 1976-77 | 44 | 32 | 24 | 0 |
| 1977-78 | 42 | 27 | 30 | 1 |
| 1978-79 | 45 | 31 | 24 | 0 |
| 1979-80 | 44 | 24 | 32 | 0 |
| 1980-81 | 42 | 26 | 30 | 1 |
| 1981-82 | 50 | 26 | 24 | 2 |
| 1982-83 | 50 | 29 | 21 | 1 |
| 1983-84 | 38 | 25 | 36 | 2 |
| 1984-85 | 41 | 31 | 27 | 1 |
| Aransas | | | | |
| 1974-76 | 26 | 9 | 47 | 18 |
| 1976-77 | 21 | 14 | 60 | 6 |
| 1977-78 | 25 | 17 | 49 | 9 |
| 1978-79 | 24 | 9 | 32 | 35 |
| 1979-80 | 33 | 8 | 48 | 11 |
| 1980-81 | 30 | 6 | 39 | 25 |
| 1981-82 | 32 | 12 | 37 | 19 |
| 1982-83 | 28 | 15 | 39 | 18 |
| 1983-84 | 11 | 24 | 54 | 11 |
| 1984-85 | 18 | 22 | 45 | 15 |

Table D.23. (Cont'd.)

| Bay system Year ^a | Adjacent coastal counties | Non-adjacent coastal counties | Non-coastal counties | Other states and countries |
|---------------------------------|---------------------------|-------------------------------|----------------------|----------------------------|
| Corpus Christi | | | | |
| 1974-76 | 76 | 2 | 14 | 8 |
| 1976-77 | 61 | 4 | 29 | 7 |
| 1977-78 | 71 | 4 | 22 | 4 |
| 1978-79 | 49 | 1 | 15 | 34 |
| 1979-80 | 48 | 3 | 38 | 11 |
| 1980-81 | 57 | 1 | 23 | 19 |
| 1981-82 | 62 | 2 | 23 | 12 |
| 1982-83 | 56 | 4 | 30 | 10 |
| 1983-84 | 52 | 5 | 34 | 9 |
| 1984-85 | 54 | 6 | 31 | 9 |
| Upper Laguna Madre | | | | |
| 1974-76 | 74 | 2 | 20 | 4 |
| 1976-77 | 68 | 8 | 23 | 1 |
| 1977-78 | 72 | 5 | 21 | 2 |
| 1978-79 | 62 | 6 | 31 | 1 |
| 1979-80 | 76 | 4 | 16 | 4 |
| 1980-81 | 68 | 7 | 22 | 2 |
| 1981-82 | 69 | 9 | 16 | 5 |
| 1982-83 | 65 | 8 | 22 | 4 |
| 1983-84 | 65 | 7 | 26 | 2 |
| 1984-85 | 71 | 7 | 20 | 3 |
| Lower Laguna Madre | | | | |
| 1974-76 | 80 | 6 | 10 | 4 |
| 1976-77 | 76 | 5 | 11 | 9 |
| 1977-78 | 78 | 5 | 13 | 3 |
| 1978-79 | 82 | 4 | 11 | 3 |
| 1979-80 | 73 | 4 | 10 | 14 |
| 1980-81 | 71 | 3 | 11 | 15 |
| 1981-82 | 77 | 4 | 11 | 7 |
| 1982-83 | 75 | 5 | 10 | 10 |
| 1983-84 | 48 | 8 | 39 | 5 |
| 1984-85 | 68 | 10 | 16 | 6 |
| Coastwide | | | | |
| 1974-76 | 60 | 14 | 22 | 5 |
| 1976-77 | 62 | 13 | 22 | 3 |
| 1977-78 | 64 | 14 | 20 | 2 |
| 1978-79 | 56 | 9 | 16 | 19 |
| 1979-80 | 62 | 11 | 23 | 4 |
| 1980-81 | 62 | 10 | 20 | 9 |
| 1981-82 | 61 | 12 | 20 | 7 |
| 1982-83 | 62 | 11 | 20 | 7 |
| 1983-84 | 49 | 13 | 34 | 4 |
| 1984-85 | 59 | 14 | 22 | 5 |

^aPrior to May 1983 all fishermen in a fishing party were assigned to the boat owner's residence.

Table D.24. Percent composition of the residential origin of private-boat fishermen in Texas bays and passes during the high-use season by bay system and day type (1974-1985). Blank = no fishermen interviewed.

| Bay system _a Year | Weekend | | | | Weekday | | | |
|---------------------------------|---------------------------|-------------------------------|----------------------|------------------------|---------------------------|-------------------------------|----------------------|------------------------|
| | Adjacent coastal counties | Non-adjacent coastal counties | Non-coastal counties | Other states/countries | Adjacent coastal counties | Non-adjacent coastal counties | Non-coastal counties | Other states/countries |
| Galveston | | | | | | | | |
| 1974-75 | 77 | 13 | 9 | 0 | 69 | 25 | 0 | 6 |
| 1976 | 89 | 8 | 3 | 0 | | | | |
| 1977 | 95 | 5 | 0 | 0 | | | | |
| 1978 | 97 | 0 | 2 | 0 | | | | |
| 1979 | 95 | 2 | 3 | 0 | 96 | 1 | 3 | 0 |
| 1980 | 97 | 1 | 2 | 0 | 97 | 1 | 2 | 0 |
| 1981 | 86 | 11 | 3 | 0 | 87 | 10 | 3 | 0 |
| 1982 | 94 | 3 | 2 | 0 | 91 | 4 | 4 | 0 |
| 1983 | 86 | 4 | 9 | 0 | 87 | 3 | 9 | 1 |
| 1984 | 91 | 3 | 5 | 1 | 91 | 5 | 3 | 0 |
| Matagorda | | | | | | | | |
| 1974-75 | 52 | 48 | 0 | 0 | 32 | 52 | 16 | 0 |
| 1976 | 50 | 39 | 10 | 1 | | | | |
| 1977 | 45 | 30 | 24 | 1 | | | | |
| 1978 | 37 | 35 | 28 | 0 | | | | |
| 1979 | 42 | 30 | 28 | 0 | 43 | 24 | 32 | 0 |
| 1980 | 42 | 30 | 28 | 0 | 36 | 26 | 37 | 1 |
| 1981 | 55 | 25 | 20 | 0 | 43 | 30 | 26 | 1 |
| 1982 | 47 | 28 | 26 | 0 | 44 | 30 | 24 | 2 |
| 1983 | 31 | 30 | 40 | 0 | 32 | 30 | 37 | 1 |
| 1984 | 46 | 26 | 28 | 1 | 45 | 23 | 31 | 2 |
| San Antonio | | | | | | | | |
| 1974-75 | 54 | 20 | 26 | 0 | 36 | 19 | 43 | 2 |
| 1976 | 49 | 32 | 19 | 0 | | | | |
| 1977 | 45 | 28 | 27 | 0 | | | | |
| 1978 | 42 | 35 | 22 | 0 | | | | |
| 1979 | 45 | 24 | 30 | 1 | 41 | 29 | 30 | 0 |
| 1980 | 48 | 30 | 22 | 0 | 49 | 19 | 29 | 3 |
| 1981 | 47 | 24 | 29 | 0 | 55 | 23 | 20 | 1 |
| 1982 | 50 | 32 | 19 | 0 | 51 | 30 | 16 | 3 |
| 1983 | 32 | 30 | 37 | 1 | 42 | 20 | 35 | 4 |
| 1984 | 34 | 32 | 33 | 1 | 45 | 32 | 21 | 1 |

Table D.24. (Cont'd.).

| Bay system _a Year | Weekend | | | | Weekday | | | |
|---------------------------------|---------------------------|-------------------------------|----------------------|------------------------|---------------------------|-------------------------------|----------------------|------------------------|
| | Adjacent coastal counties | Non-adjacent coastal counties | Non-coastal counties | Other states/countries | Adjacent coastal counties | Non-adjacent coastal counties | Non-coastal counties | Other states/countries |
| Aransas | | | | | | | | |
| 1974-75 | 21 | 17 | 62 | 0 | 34 | 6 | 60 | 0 |
| 1976 | 19 | 14 | 64 | 3 | | | | |
| 1977 | 17 | 20 | 57 | 7 | | | | |
| 1978 | 33 | 18 | 45 | 4 | | | | |
| 1979 | 38 | 14 | 46 | 2 | 29 | 0 | 71 | 0 |
| 1980 | 31 | 13 | 53 | 3 | 28 | 4 | 47 | 21 |
| 1981 | 22 | 19 | 54 | 5 | 28 | 7 | 44 | 21 |
| 1982 | 27 | 15 | 54 | 4 | 25 | 10 | 57 | 7 |
| 1983 | 10 | 29 | 56 | 5 | 10 | 16 | 56 | 18 |
| 1984 | 18 | 27 | 46 | 9 | 18 | 20 | 51 | 12 |
| Corpus Christi | | | | | | | | |
| 1974-75 | 91 | 2 | 5 | 2 | 76 | 0 | 24 | 0 |
| 1976 | 71 | 4 | 23 | 2 | | | | |
| 1977 | 74 | 4 | 20 | 1 | | | | |
| 1978 | 70 | 4 | 23 | 3 | | | | |
| 1979 | 59 | 5 | 31 | 4 | 26 | 0 | 63 | 11 |
| 1980 | 67 | 1 | 29 | 3 | 22 | 2 | 39 | 38 |
| 1981 | 72 | 3 | 22 | 2 | 49 | 3 | 35 | 13 |
| 1982 | 64 | 6 | 27 | 3 | 42 | 4 | 43 | 10 |
| 1983 | 59 | 6 | 35 | 1 | 43 | 6 | 35 | 16 |
| 1984 | 57 | 9 | 32 | 2 | 43 | 5 | 36 | 16 |
| Upper Laguna Madre | | | | | | | | |
| 1974-75 | 84 | 1 | 15 | 0 | 61 | 3 | 31 | 5 |
| 1976 | 64 | 8 | 27 | 0 | | | | |
| 1977 | 76 | 5 | 18 | 1 | | | | |
| 1978 | 56 | 8 | 36 | 0 | | | | |
| 1979 | 61 | 9 | 28 | 2 | 88 | 0 | 12 | 0 |
| 1980 | 59 | 9 | 31 | 1 | 68 | 13 | 15 | 4 |
| 1981 | 72 | 8 | 20 | 0 | 63 | 13 | 22 | 3 |
| 1982 | 75 | 7 | 18 | 0 | 65 | 10 | 25 | 0 |
| 1983 | 66 | 7 | 26 | 1 | 62 | 9 | 27 | 3 |
| 1984 | 72 | 6 | 20 | 1 | 63 | 9 | 24 | 3 |

Table D.24. (Cont'd.).

| Bay system ^a Year | Weekend | | | | Weekday | | | |
|---------------------------------|---------------------------|-------------------------------|----------------------|------------------------|---------------------------|-------------------------------|----------------------|------------------------|
| | Adjacent coastal counties | Non-adjacent coastal counties | Non-coastal counties | Other states/countries | Adjacent coastal counties | Non-adjacent coastal counties | Non-coastal counties | Other states/countries |
| Lower Laguna Madre | | | | | | | | |
| 1974-75 | 95 | 1 | 4 | 0 | 72 | 11 | 17 | 0 |
| 1976 | 87 | 5 | 7 | 2 | | | | |
| 1977 | 78 | 9 | 12 | 2 | | | | |
| 1978 | 76 | 7 | 15 | 2 | | | | |
| 1979 | 85 | 2 | 12 | 1 | 85 | 4 | 11 | 0 |
| 1980 | 90 | 4 | 4 | 1 | 66 | 4 | 25 | 5 |
| 1981 | 88 | 4 | 7 | 2 | 68 | 11 | 20 | 1 |
| 1982 | 82 | 6 | 11 | 1 | 69 | 11 | 16 | 4 |
| 1983 | 52 | 6 | 41 | 1 | 39 | 12 | 41 | 7 |
| 1984 | 77 | 9 | 12 | 2 | 51 | 15 | 28 | 7 |
| Coastwide | | | | | | | | |
| 1974-75 | 65 | 14 | 21 | 0 | 50 | 16 | 31 | 2 |
| 1976 | 68 | 13 | 18 | 1 | | | | |
| 1977 | 66 | 14 | 19 | 1 | | | | |
| 1978 | 64 | 16 | 19 | 1 | | | | |
| 1979 | 63 | 13 | 22 | 1 | 68 | 10 | 21 | 1 |
| 1980 | 61 | 15 | 23 | 1 | 54 | 10 | 26 | 10 |
| 1981 | 65 | 12 | 21 | 1 | 56 | 14 | 25 | 6 |
| 1982 | 67 | 13 | 19 | 1 | 56 | 14 | 26 | 4 |
| 1983 | 50 | 14 | 34 | 1 | 45 | 13 | 35 | 7 |
| 1984 | 61 | 15 | 22 | 2 | 53 | 14 | 26 | 6 |

^aPrior to May 1983 all fishermen in a fishing party were assigned to the boat owner's residence.

Table D.25. Percent composition of the residential origin of private-boat fishermen in Texas bay and passes during the low-use season by bay system and day type (1974-1985). Blank = no fishermen interviewed.

| Bay system _a Year | Weekend | | | | Weekday | | | |
|---------------------------------|---------------------------|-------------------------------|----------------------|------------------------|---------------------------|-------------------------------|----------------------|------------------------|
| | Adjacent coastal counties | Non-adjacent coastal counties | Non-coastal counties | Other states/countries | Adjacent coastal counties | Non-adjacent coastal counties | Non-coastal counties | Other states/countries |
| Galveston | | | | | | | | |
| 1974-76 | 97 | 0 | 2 | 1 | 96 | 0 | 4 | 0 |
| 1976-77 | 96 | 2 | 2 | 0 | | | | |
| 1977-78 | 95 | 3 | 2 | 0 | | | | |
| 1978-79 | 95 | 1 | 3 | 1 | | | | |
| 1979-80 | 99 | 0 | 1 | 0 | 100 | 0 | 0 | 0 |
| 1980-81 | 100 | 0 | 0 | 0 | 99 | 0 | 1 | 0 |
| 1981-82 | 90 | 1 | 9 | 0 | 94 | 0 | 6 | 0 |
| 1982-83 | 100 | 0 | 0 | 0 | 99 | 0 | 1 | 0 |
| 1983-84 | 100 | 0 | 0 | 0 | 88 | 0 | 12 | 0 |
| 1984-85 | 94 | 0 | 5 | 1 | 96 | 0 | 4 | 0 |
| Matagorda | | | | | | | | |
| 1974-76 | 40 | 49 | 11 | 0 | 40 | 30 | 30 | 0 |
| 1976-77 | 48 | 38 | 15 | 0 | | | | |
| 1977-78 | 34 | 39 | 27 | 0 | | | | |
| 1978-79 | 34 | 30 | 36 | 0 | | | | |
| 1979-80 | 44 | 27 | 29 | 0 | 51 | 13 | 36 | 0 |
| 1980-81 | 62 | 18 | 19 | 0 | 66 | 17 | 17 | 0 |
| 1981-82 | 63 | 18 | 19 | 0 | 47 | 14 | 39 | 0 |
| 1982-83 | 59 | 22 | 19 | 0 | 55 | 24 | 22 | 0 |
| 1983-84 | 35 | 24 | 40 | 1 | 44 | 16 | 38 | 2 |
| 1984-85 | 54 | 25 | 20 | 1 | 53 | 36 | 10 | 1 |
| San Antonio | | | | | | | | |
| 1974-76 | 41 | 33 | 26 | 0 | 50 | 29 | 21 | 0 |
| 1976-77 | 39 | 31 | 29 | 1 | | | | |
| 1977-78 | 39 | 26 | 33 | 1 | | | | |
| 1978-79 | 47 | 26 | 26 | 1 | | | | |
| 1979-80 | 41 | 19 | 39 | 0 | 50 | 22 | 28 | 0 |
| 1980-81 | 46 | 29 | 26 | 0 | 28 | 28 | 43 | 0 |
| 1981-82 | 45 | 32 | 22 | 1 | 51 | 23 | 23 | 4 |
| 1982-83 | 47 | 27 | 25 | 0 | 51 | 26 | 22 | 1 |
| 1983-84 | 56 | 17 | 27 | 0 | 38 | 1 | 61 | 0 |
| 1984-85 | 55 | 27 | 18 | 0 | 72 | 15 | 13 | 0 |

Table D.25. (Cont'd.).

| Bay system _a Year | Weekend | | | | Weekday | | | |
|---------------------------------|---------------------------|-------------------------------|----------------------|------------------------|---------------------------|-------------------------------|----------------------|------------------------|
| | Adjacent coastal counties | Non-adjacent coastal counties | Non-coastal counties | Other states/countries | Adjacent coastal counties | Non-adjacent coastal counties | Non-coastal counties | Other states/countries |
| Aransas | | | | | | | | |
| 1974-76 | 26 | 9 | 37 | 28 | 23 | 2 | 30 | 45 |
| 1976-77 | 23 | 14 | 55 | 8 | | | | |
| 1977-78 | 33 | 14 | 41 | 12 | | | | |
| 1978-79 | 26 | 9 | 50 | 15 | | | | |
| 1979-80 | 39 | 18 | 36 | 7 | 25 | 0 | 39 | 36 |
| 1980-81 | 47 | 3 | 33 | 17 | 13 | 6 | 24 | 58 |
| 1981-82 | 53 | 16 | 23 | 8 | 26 | 6 | 26 | 43 |
| 1982-83 | 36 | 31 | 30 | 4 | 23 | 4 | 16 | 57 |
| 1983-84 | 50 | 21 | 29 | 0 | 14 | 32 | 33 | 21 |
| 1984-85 | 16 | 20 | 45 | 19 | 20 | 6 | 16 | 58 |
| Corpus Christi | | | | | | | | |
| 1974-76 | 67 | 5 | 15 | 13 | 68 | 0 | 13 | 19 |
| 1976-77 | 60 | 1 | 20 | 18 | | | | |
| 1977-78 | 67 | 4 | 23 | 6 | | | | |
| 1978-79 | 63 | 0 | 23 | 14 | | | | |
| 1979-80 | 74 | 2 | 19 | 5 | 35 | 4 | 40 | 22 |
| 1980-81 | 84 | 1 | 11 | 4 | 57 | 0 | 13 | 31 |
| 1981-82 | 70 | 3 | 17 | 9 | 58 | 0 | 19 | 24 |
| 1982-83 | 60 | 4 | 27 | 9 | 59 | 1 | 24 | 16 |
| 1983-84 | 68 | 2 | 26 | 5 | 54 | 1 | 28 | 17 |
| 1984-85 | 72 | 4 | 22 | 2 | 54 | 2 | 17 | 27 |
| Upper Laguna Madre | | | | | | | | |
| 1974-76 | 76 | 5 | 19 | 0 | 76 | 0 | 14 | 10 |
| 1976-77 | 71 | 8 | 18 | 3 | | | | |
| 1977-78 | 67 | 5 | 25 | 3 | | | | |
| 1978-79 | 68 | 5 | 26 | 1 | | | | |
| 1979-80 | 77 | 4 | 17 | 2 | 79 | 3 | 8 | 10 |
| 1980-81 | 79 | 5 | 14 | 2 | 66 | 2 | 29 | 3 |
| 1981-82 | 75 | 12 | 10 | 3 | 69 | 4 | 14 | 14 |
| 1982-83 | 72 | 12 | 15 | 1 | 48 | 5 | 30 | 17 |
| 1983-84 | 75 | 3 | 22 | 0 | 61 | 4 | 20 | 15 |
| 1984-85 | 78 | 6 | 14 | 2 | 62 | 1 | 14 | 22 |

Table D.25. (Cont'd.).

| Bay system ^a Year | Weekend | | | | Weekday | | | |
|---------------------------------|---------------------------|-------------------------------|----------------------|------------------------|---------------------------|-------------------------------|----------------------|------------------------|
| | Adjacent coastal counties | Non-adjacent coastal counties | Non-coastal counties | Other states/countries | Adjacent coastal counties | Non-adjacent coastal counties | Non-coastal counties | Other states/countries |
| Lower Laguna Madre | | | | | | | | |
| 1974-76 | 94 | 2 | 2 | 2 | 58 | 9 | 19 | 14 |
| 1976-77 | 80 | 3 | 5 | 12 | | | | |
| 1977-78 | 78 | 2 | 15 | 5 | | | | |
| 1978-79 | 88 | 1 | 7 | 3 | | | | |
| 1979-80 | 91 | 0 | 3 | 6 | 32 | 8 | 12 | 48 |
| 1980-81 | 76 | 5 | 5 | 14 | 50 | 0 | 10 | 40 |
| 1981-82 | 89 | 1 | 7 | 3 | 65 | 1 | 10 | 24 |
| 1982-83 | 86 | 2 | 3 | 9 | 63 | 2 | 10 | 25 |
| 1983-84 | 70 | 4 | 22 | 5 | 44 | 3 | 26 | 28 |
| 1984-85 | 76 | 3 | 10 | 10 | 57 | 10 | 5 | 27 |
| Coastwide | | | | | | | | |
| 1974-76 | 62 | 15 | 18 | 5 | 61 | 9 | 17 | 13 |
| 1976-77 | 64 | 10 | 18 | 8 | | | | |
| 1977-78 | 61 | 14 | 22 | 3 | | | | |
| 1978-79 | 64 | 11 | 22 | 4 | | | | |
| 1979-80 | 64 | 11 | 22 | 2 | 53 | 10 | 25 | 12 |
| 1980-81 | 71 | 9 | 14 | 6 | 62 | 4 | 15 | 19 |
| 1981-82 | 70 | 12 | 15 | 3 | 53 | 10 | 19 | 18 |
| 1982-83 | 68 | 10 | 17 | 5 | 56 | 9 | 17 | 19 |
| 1983-84 | 65 | 10 | 24 | 2 | 49 | 8 | 29 | 13 |
| 1984-85 | 64 | 13 | 18 | 5 | 57 | 12 | 11 | 21 |

^aPrior to May 1983 all fishermen in a fishing party were assigned to the boat owner's residence.

Table D.26. Mean fishing-party size (No. of fishermen) and mean trip length (h) for private-boat fishermen in Texas bays and passes by bay system, season day type (1974-1985).

| Bay system Year | Mean fishing-party size | | | | | Mean trip length | | | | |
|--------------------|-------------------------|---------|----------------|---------|--------|------------------|---------|----------------|---------|--------|
| | High-use season | | Low-use season | | Annual | High-use season | | Low-use season | | Annual |
| | Weekend | Weekday | Weekend | Weekday | | Weekend | Weekday | Weekend | Weekday | |
| Galveston | | | | | | | | | | |
| 1974-76 | 2.7 | 2.2 | 2.6 | 2.3 | 2.5 | 4.2 | 3.6 | 4.9 | 5.8 | 4.8 |
| 1976-77 | 2.5 | | 2.4 | | 2.5 | 4.9 | | 4.3 | | 4.7 |
| 1977-78 | 2.6 | | 2.7 | | 2.6 | 5.5 | | 5.5 | | 5.5 |
| 1978-79 | 2.6 | | 2.7 | | 2.6 | 6.4 | | 5.2 | | 6.1 |
| 1979-80 | 2.7 | 2.5 | 2.9 | 1.9 | 2.7 | 6.1 | 5.4 | 6.0 | 5.6 | 6.0 |
| 1980-81 | 2.7 | 2.1 | 2.3 | 2.1 | 2.4 | 5.8 | 6.1 | 7.2 | 5.0 | 5.9 |
| 1981-82 | 2.7 | 2.3 | 2.3 | 2.2 | 2.4 | 7.9 | 6.3 | 5.6 | 4.9 | 6.8 |
| 1982-83 | 2.7 | 2.5 | 2.0 | 2.1 | 2.6 | 5.9 | 5.5 | 5.0 | 4.5 | 5.6 |
| 1983-84 | 2.6 | 2.3 | 2.6 | 1.7 | 2.4 | 5.9 | 6.3 | 4.8 | 4.9 | 5.8 |
| 1984-85 | 2.6 | 2.4 | 2.8 | 1.9 | 2.5 | 5.7 | 5.7 | 4.8 | 4.4 | 5.6 |
| Matagorda | | | | | | | | | | |
| 1974-76 | 2.5 | 1.9 | 2.5 | 2.0 | 2.4 | 5.7 | 6.0 | 5.1 | 6.2 | 5.5 |
| 1976-77 | 2.9 | | 2.6 | | 2.8 | 4.8 | | 3.8 | | 4.6 |
| 1977-78 | 2.7 | | 2.9 | | 2.8 | 6.1 | | 6.8 | | 6.4 |
| 1978-79 | 3.0 | | 2.8 | | 3.0 | 7.2 | | 5.5 | | 6.9 |
| 1979-80 | 3.0 | 1.9 | 2.8 | 2.3 | 2.9 | 6.3 | 13.8 | 5.8 | 7.8 | 6.4 |
| 1980-81 | 2.9 | 2.4 | 2.5 | 2.1 | 2.7 | 8.7 | 9.2 | 7.1 | 4.9 | 8.6 |
| 1981-82 | 2.8 | 2.4 | 2.6 | 2.4 | 2.6 | 6.5 | 6.3 | 6.5 | 6.9 | 6.4 |
| 1982-83 | 2.8 | 2.5 | 2.7 | 2.5 | 2.7 | 8.2 | 6.7 | 6.2 | 5.1 | 7.2 |
| 1983-84 | 2.7 | 2.4 | 2.6 | 2.2 | 2.6 | 7.3 | 6.0 | 7.4 | 5.9 | 6.7 |
| 1984-85 | 3.0 | 2.4 | 2.9 | 2.1 | 2.7 | 8.3 | 6.2 | 5.4 | 5.5 | 7.0 |
| San Antonio | | | | | | | | | | |
| 1974-76 | 2.6 | 2.5 | 2.5 | 2.1 | 2.5 | 5.3 | 5.8 | 5.0 | 5.3 | 5.3 |
| 1976-77 | 2.7 | | 2.5 | | 2.6 | 5.4 | | 6.6 | | 5.8 |
| 1977-78 | 2.7 | | 2.7 | | 2.7 | 6.4 | | 6.6 | | 6.5 |
| 1978-79 | 2.8 | | 2.7 | | 2.8 | 7.8 | | 5.1 | | 6.9 |
| 1979-80 | 2.7 | 2.1 | 2.8 | 2.5 | 2.7 | 6.7 | 5.5 | 6.2 | 6.2 | 6.4 |
| 1980-81 | 2.8 | 2.2 | 2.6 | 2.3 | 2.6 | 7.0 | 7.2 | 6.8 | 6.1 | 7.0 |
| 1981-82 | 2.6 | 2.4 | 2.5 | 2.2 | 2.5 | 8.1 | 6.0 | 5.8 | 6.7 | 6.7 |
| 1982-83 | 2.6 | 2.4 | 2.8 | 2.3 | 2.5 | 8.5 | 7.4 | 4.9 | 6.4 | 7.5 |
| 1983-84 | 2.7 | 2.3 | 2.6 | 2.4 | 2.5 | 6.7 | 6.4 | 6.2 | 4.7 | 6.5 |
| 1984-85 | 2.8 | 2.3 | 2.7 | 1.9 | 2.6 | 6.5 | 6.3 | 5.0 | 4.3 | 6.1 |

Table D.26. (Cont'd.).

| Bay system Year | Mean fishing-party size | | | | | Mean trip length | | | | |
|---------------------------|-------------------------|---------|----------------|---------|--------|------------------|---------|----------------|---------|--------|
| | High-use season | | Low-use season | | Annual | High-use season | | Low-use season | | Annual |
| | Weekend | Weekday | Weekend | Weekday | | Weekend | Weekday | Weekend | Weekday | |
| Aransas | | | | | | | | | | |
| 1974-76 | 3.1 | 2.8 | 2.5 | 2.2 | 2.7 | 5.0 | 3.5 | 3.7 | 3.8 | 4.1 |
| 1976-77 | 2.7 | | 2.8 | | 2.7 | 5.8 | | 4.7 | | 5.4 |
| 1977-78 | 2.7 | | 2.6 | | 2.7 | 5.9 | | 5.9 | | 5.9 |
| 1978-79 | 2.9 | | 2.6 | | 2.8 | 5.4 | | 5.7 | | 5.5 |
| 1979-80 | 2.8 | 2.8 | 2.4 | 2.5 | 2.7 | 6.7 | 4.2 | 4.0 | 4.5 | 5.8 |
| 1980-81 | 2.7 | 2.2 | 2.4 | 2.0 | 2.4 | 5.5 | 4.6 | 4.1 | 5.0 | 5.0 |
| 1981-82 | 2.8 | 2.3 | 2.5 | 2.2 | 2.5 | 5.8 | 4.5 | 4.5 | 4.7 | 5.0 |
| 1982-83 | 2.7 | 2.5 | 2.5 | 2.3 | 2.5 | 5.9 | 5.2 | 6.5 | 4.0 | 5.4 |
| 1983-84 | 2.8 | 2.6 | 2.3 | 2.2 | 2.7 | 5.8 | 4.8 | 4.3 | 4.1 | 5.2 |
| 1984-85 | 2.6 | 2.3 | 2.6 | 2.0 | 2.5 | 4.8 | 4.6 | 4.9 | 3.8 | 4.6 |
| Corpus Christi | | | | | | | | | | |
| 1974-76 | 2.5 | 1.9 | 2.5 | 2.3 | 2.4 | 4.0 | 3.7 | 3.7 | 4.0 | 3.8 |
| 1976-77 | 2.7 | | 2.6 | | 2.6 | 4.3 | | 4.4 | | 4.3 |
| 1977-78 | 2.4 | | 2.6 | | 2.5 | 5.3 | | 4.8 | | 5.1 |
| 1978-79 | 2.6 | | 2.5 | | 2.6 | 4.9 | | 4.8 | | 4.8 |
| 1979-80 | 2.6 | 2.7 | 2.7 | 2.1 | 2.6 | 4.2 | 5.2 | 4.3 | 4.4 | 4.3 |
| 1980-81 | 2.5 | 2.3 | 2.7 | 2.2 | 2.4 | 4.5 | 4.4 | 4.0 | 3.9 | 4.3 |
| 1981-82 | 2.5 | 2.3 | 2.6 | 2.2 | 2.4 | 4.6 | 4.5 | 4.0 | 4.2 | 4.5 |
| 1982-83 | 2.7 | 2.4 | 2.6 | 2.1 | 2.5 | 4.9 | 4.8 | 4.4 | 3.9 | 4.7 |
| 1983-84 | 2.8 | 2.4 | 2.8 | 2.1 | 2.6 | 4.8 | 4.7 | 3.2 | 4.0 | 4.6 |
| 1984-85 | 2.6 | 2.4 | 2.7 | 2.3 | 2.5 | 4.6 | 4.4 | 4.9 | 3.9 | 4.5 |
| Upper Laguna Madre | | | | | | | | | | |
| 1974-76 | 2.6 | 2.4 | 2.5 | 2.1 | 2.5 | 3.7 | 4.2 | 10.3 | 3.5 | 7.1 |
| 1976-77 | 2.6 | | 2.4 | | 2.5 | 7.4 | | 10.6 | | 8.5 |
| 1977-78 | 2.6 | | 2.6 | | 2.6 | 7.1 | | 8.8 | | 8.0 |
| 1978-79 | 2.7 | | 2.8 | | 2.7 | 8.7 | | 5.8 | | 7.7 |
| 1979-80 | 2.8 | 2.3 | 2.5 | 2.0 | 2.6 | 6.9 | 4.6 | 7.0 | 5.0 | 6.7 |
| 1980-81 | 2.9 | 2.4 | 2.7 | 2.4 | 2.7 | 13.8 | 9.1 | 11.2 | 10.4 | 12.4 |
| 1981-82 | 2.9 | 2.5 | 2.7 | 2.3 | 2.7 | 13.5 | 10.2 | 8.5 | 6.9 | 11.5 |
| 1982-83 | 2.8 | 2.5 | 2.5 | 2.2 | 2.6 | 10.6 | 10.8 | 6.9 | 8.5 | 10.1 |
| 1983-84 | 2.7 | 2.5 | 2.8 | 2.1 | 2.6 | 10.9 | 11.3 | 8.1 | 7.0 | 10.9 |
| 1984-85 | 2.7 | 2.6 | 2.8 | 2.6 | 2.7 | 9.0 | 8.7 | 5.6 | 8.2 | 8.1 |

Table D.26. (Cont'd.)

| Bay system Year | Mean fishing-party size | | | | | Mean trip length | | | | |
|---------------------------|-------------------------|---------|----------------|---------|--------|------------------|---------|----------------|---------|--------|
| | High-use season | | Low-use season | | Annual | High-use season | | Low-use season | | Annual |
| | Weekend | Weekday | Weekend | Weekday | | Weekend | Weekday | Weekend | Weekday | |
| Lower Laguna Madre | | | | | | | | | | |
| 1974-76 | 2.5 | 2.3 | 2.7 | 2.3 | 2.6 | 7.2 | 4.9 | 5.1 | 4.9 | 5.8 |
| 1976-77 | 2.6 | | 2.4 | | 2.5 | 6.1 | | 4.2 | | 5.3 |
| 1977-78 | 2.6 | | 2.6 | | 2.6 | 7.9 | | 7.8 | | 7.8 |
| 1978-79 | 2.6 | | 2.7 | | 2.6 | 7.0 | | 5.8 | | 6.6 |
| 1979-80 | 2.6 | 2.2 | 2.7 | 2.3 | 2.6 | 5.4 | 5.6 | 5.5 | 4.8 | 5.4 |
| 1980-81 | 2.6 | 2.3 | 2.8 | 2.7 | 2.6 | 6.2 | 7.4 | 4.8 | 5.2 | 6.1 |
| 1981-82 | 2.7 | 2.5 | 2.7 | 2.5 | 2.6 | 6.2 | 5.7 | 5.4 | 5.8 | 5.9 |
| 1982-83 | 2.1 | 2.4 | 2.5 | 2.4 | 2.5 | 7.1 | 6.8 | 4.9 | 5.5 | 6.4 |
| 1983-84 | 2.6 | 2.4 | 2.3 | 2.1 | 2.5 | 6.6 | 7.0 | 5.4 | 4.5 | 6.5 |
| 1984-85 | 2.6 | 2.4 | 2.6 | 2.7 | 2.6 | 6.0 | 5.4 | 5.2 | 5.2 | 5.6 |
| Coastwide | | | | | | | | | | |
| 1974-76 | 2.6 | 2.4 | 2.5 | 2.2 | 2.5 | 5.1 | 4.8 | 5.7 | 4.8 | 5.3 |
| 1976-77 | 2.6 | | 2.5 | | 2.6 | 5.5 | | 5.2 | | 5.4 |
| 1977-78 | 2.6 | | 2.7 | | 2.6 | 6.2 | | 6.7 | | 6.4 |
| 1978-79 | 2.7 | | 2.7 | | 2.7 | 6.9 | | 5.4 | | 6.5 |
| 1979-80 | 2.7 | 2.3 | 2.7 | 2.3 | 2.7 | 6.1 | 6.2 | 5.7 | 5.5 | 5.9 |
| 1980-81 | 2.8 | 2.2 | 2.6 | 2.2 | 2.6 | 7.7 | 6.6 | 6.3 | 5.6 | 7.1 |
| 1981-82 | 2.7 | 2.4 | 2.6 | 2.3 | 2.5 | 7.5 | 5.9 | 5.9 | 5.6 | 6.5 |
| 1982-83 | 2.7 | 2.5 | 2.6 | 2.3 | 2.6 | 7.4 | 6.8 | 5.2 | 5.3 | 6.7 |
| 1983-84 | 2.7 | 2.4 | 2.5 | 2.1 | 2.5 | 7.5 | 6.9 | 5.8 | 4.8 | 7.0 |
| 1984-85 | 2.7 | 2.4 | 2.7 | 2.1 | 2.6 | 6.4 | 5.7 | 5.2 | 4.9 | 5.9 |

Appendix E: Total number of recreational licenses sold in Texas.

Table E.1. Total number of recreational fishing licenses sold in Texas by fiscal year (1955-1985). FY 1958 was the first year a fishing license was required to fish in saltwater in Texas.

| Fiscal year (1 Sep-31 Aug) | Type of license | | | | Total |
|-------------------------------|----------------------|--|-------------------------------|--------------------------|-----------|
| | Fishing ^a | Resident combination hunting and fishing | 3-day saltwater sport fishing | Fishing exempt for blind | |
| 1956 | 458,404 | | | | 458,404 |
| 1957 | 465,168 | | | | 465,168 |
| 1958 | 782,402 | | | | 782,402 |
| 1959 | 825,729 | | | | 825,729 |
| 1960 | 846,632 | | | | 846,632 |
| 1961 | 872,236 | | | | 872,236 |
| 1962 | 832,913 | | | | 832,913 |
| 1963 | 882,111 | | | | 882,111 |
| 1964 | 902,671 | | | | 902,671 |
| 1965 | 927,210 | | | | 927,210 |
| 1966 | 1,017,336 | | | | 1,017,336 |
| 1967 | 1,139,969 | | | | 1,139,969 |
| 1968 | 1,231,134 | | | | 1,231,134 |
| 1969 | 1,369,646 | | | | 1,369,646 |
| 1970 | 1,447,167 | | | | 1,447,167 |
| 1971 | 1,494,707 | | | | 1,494,707 |
| 1972 | 1,541,693 | | | | 1,541,693 |
| 1973 | 1,599,905 | | | | 1,599,905 |
| 1974 | 1,195,306 | 414,850 | 23,070 | 52 | 1,633,278 |
| 1975 | 1,142,088 | 467,342 | 30,055 | 67 | 1,639,552 |
| 1976 | 1,088,687 | 442,197 | 32,608 | 106 | 1,563,598 |
| 1977 | 1,090,807 | 430,186 | 35,684 | 152 | 1,556,829 |
| 1978 | 978,976 | 447,567 | 55,177 | | 1,482,821 |
| 1979 | 1,011,530 | 518,403 | 70,024 | | 1,602,044 |
| 1980 | 1,100,281 | 569,165 | 73,073 | | 1,745,119 |
| 1981 | 1,101,346 | 612,959 | 81,881 | | 1,799,447 |
| 1982 | 1,217,728 | 671,581 | 18,268 | | 1,910,906 |
| 1983 | 1,271,334 | 719,630 | 56 | | 1,994,791 |
| 1984 | 1,130,546 | 680,730 | | | 1,814,973 |
| 1985 | 980,494 | 668,937 | | | 1,652,893 |

^aResident, nonresident and temporary (5 and 14-days) nonresident licenses included in total.

Table E.2. Total number of sport oyster dredge licenses, sport shrimp trawl licenses, fish guide and boat registrations sold in Texas by fiscal year (1958-1985).

| Fiscal year (1 Sep-31 Aug) | Sport oyster dredge license | Sport shrimp trawl license | Fish guide license | Boat registration |
|-------------------------------|--------------------------------|-------------------------------|-----------------------|----------------------|
| 1959 | 60 | | | |
| 1960 | 17 | 8,837 | | |
| 1961 | 58 | 7,399 | | |
| 1962 | 39 | 6,249 | | |
| 1963 | 45 | 7,003 | | |
| 1964 | 52 | 6,367 | | |
| 1965 | 80 | 7,034 | | |
| 1966 | 66 | 7,144 | | |
| 1967 | 42 | 7,324 | 340 | |
| 1968 | 44 | 7,508 | 380 | |
| 1969 | 35 | 8,553 | 515 | |
| 1970 | 38 | 9,662 | 606 | |
| 1971 | 35 | 9,947 | 692 | |
| 1972 | 28 | 9,296 | 702 | |
| 1973 | 25 | 9,537 | 728 | |
| 1974 | 24 | 10,521 | 522 | |
| 1975 | 31 | 9,281 | 516 | |
| 1976 | 48 | 8,866 | 486 | 485,977 |
| 1977 | 68 | 9,707 | 488 | 515,476 |
| 1978 | 91 | 9,982 | 517 | 536,712 |
| 1979 | 136 | 10,349 | 562 | 542,368 |
| 1980 | 178 | 8,926 | 581 | 546,040 |
| 1981 | 235 | 8,729 | 628 | 561,657 |
| 1982 | 218 | 7,433 | 773 | 580,055 |
| 1983 | 402 | 6,110 | 1,058 | 598,900 |
| 1984 | 323 | 5,339 | 931 | 603,761 |
| 1985 | 265 | 4,547 | 612 | 593,174 |

Appendix F: Estimates for party-boat fishing in Texas bays and passes.

Table F.1. Number of days surveyed and number of party-boat fishermen interviewed () in Texas bays and passes by season, day type and bay system (1983-1985). WE = weekend days. WD = weekdays.

| Year Season Day type | Bay System | | | | | | | | Coastwide | |
|----------------------------|------------|-----------|-------------|-----------|----------------|--------------------|--------------------|-----------|-----------|--|
| | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | | | |
| 1983-84 | | | | | | | | | | |
| High use | | | | | | | | | | |
| WE | 32 (7) | 31 (28) | 26 (11) | 31 (37) | 31 (10) | 31 (4) | 31 (108) | 213 (205) | | |
| WD | 63 (20) | 62 (14) | 45 (7) | 64 (63) | 64 (20) | 66 (0) | 66 (232) | 430 (356) | | |
| Low use | | | | | | | | | | |
| WE | 12 (0) | 13 (0) | 12 (0) | 10 (0) | 12 (0) | 12 (0) | 12 (17) | 83 (17) | | |
| WD | 24 (0) | 23 (0) | 21 (0) | 22 (0) | 24 (5) | 24 (2) | 24 (37) | 162 (44) | | |
| Annual | 131 (27) | 129 (42) | 104 (18) | 127 (100) | 131 (35) | 133 (6) | 133 (394) | 888 (622) | | |
| 1984-85 | | | | | | | | | | |
| High use | | | | | | | | | | |
| WE | 31 (0) | 31 (4) | 25 (3) | 31 (13) | 31 (35) | 31 (0) | 31 (83) | 211 (138) | | |
| WD | 65 (23) | 65 (5) | 46 (7) | 65 (10) | 66 (9) | 66 (2) | 66 (180) | 439 (236) | | |
| Low use | | | | | | | | | | |
| WE | 12 (0) | 11 (0) | 12 (0) | 12 (3) | 12 (0) | 12 (0) | 12 (42) | 83 (45) | | |
| WD | 24 (0) | 24 (0) | 24 (0) | 22 (6) | 23 (0) | 24 (29) | 24 (29) | 165 (35) | | |
| Annual | 132 (23) | 131 (9) | 107 (10) | 130 (32) | 132 (44) | 133 (2) | 133 (334) | 898 (454) | | |

Table F.2. Pressure estimates (man-h X 1000) \pm 1 SE for party-boat fishermen in Texas bays and passes by season, day type and bay system (1983-1985).

| Bay system Year | High-use season | | Low-use season | | Annual ^a |
|------------------------------|-----------------|------------------|-----------------|-----------------|---------------------|
| | Weekend | Weekday | Weekend | Weekday | |
| Galveston | | | | | |
| 1983-84 | 7.2 \pm 5.0 | 14.6 \pm 9.1 | 0.0 | 0.0 | 21.8 \pm 10.4 |
| 1984-85 | 0.0 | 10.4 \pm 6.2 | 0.0 | 0.0 | 10.4 \pm 6.2 |
| Matagorda | | | | | |
| 1983-84 | 11.7 \pm 6.2 | 9.2 \pm 6.0 | 0.0 | 0.0 | 20.9 \pm 8.6 |
| 1984-85 | 0.1 \pm 0.1 | 0.8 \pm 0.7 | 0.0 | 0.0 | 0.9 \pm 0.7 |
| San Antonio | | | | | |
| 1983-84 | 1.4 \pm 0.8 | 7.2 \pm 5.1 | 0.0 | 0.0 | 8.6 \pm 5.1 |
| 1984-85 | 0.1 \pm 0.1 | 0.5 \pm 0.5 | 0.0 | 0.0 | 0.6 \pm 0.5 |
| Aransas | | | | | |
| 1983-84 | 12.9 \pm 6.2 | 25.4 \pm 11.2 | 0.0 | 0.0 | 38.4 \pm 12.8 |
| 1984-85 | 3.5 \pm 2.5 | 9.0 \pm 6.4 | 0.8 \pm 0.8 | 4.3 \pm 4.3 | 17.7 \pm 8.2 |
| Corpus Christi | | | | | |
| 1983-84 | 4.6 \pm 2.8 | 52.1 \pm 43.7 | 0.0 | 5.8 \pm 5.8 | 62.4 \pm 44.2 |
| 1984-85 | 18.2 \pm 9.6 | 3.9 \pm 3.2 | 0.0 | 0.0 | 22.0 \pm 10.2 |
| Upper Laguna Madre | | | | | |
| 1983-84 | 0.1 \pm 0.1 | 0.0 | 0.0 | 0.3 \pm 0.3 | 0.4 \pm 0.3 |
| 1984-85 | 0.0 | 0.4 \pm 0.4 | 0.0 | 0.0 | 0.4 \pm 0.4 |
| Lower Laguna Madre | | | | | |
| 1983-84 | 14.0 \pm 3.7 | 45.2 \pm 11.0 | 10.3 \pm 5.8 | 27.9 \pm 18.6 | 97.4 \pm 22.7 |
| 1984-85 | 13.0 \pm 4.8 | 29.8 \pm 10.1 | 15.8 \pm 10.2 | 17.0 \pm 10.8 | 75.6 \pm 18.6 |
| Coastwide^a | | | | | |
| 1983-84 | 51.9 \pm 11.1 | 153.8 \pm 48.0 | 10.3 \pm 5.8 | 34.0 \pm 19.5 | 249.9 \pm 53.3 |
| 1984-85 | 34.9 \pm 11.0 | 54.7 \pm 13.9 | 16.6 \pm 10.2 | 21.3 \pm 11.6 | 127.6 \pm 23.6 |

^aDue to rounding of numbers these totals may not exactly equal individual totals.

Table F.3. Annual estimated landings of fishes (No. X 1000) \pm 1 SE caught by party-boat fishermen in Texas bays and passes by species and bay system (1983-1985).

| Species | Bay system | | | | | | | | | | | | | |
|---------------------|----------------|-----|----------------|-----|---------------|-----|-----------------|------|-----------------|------|--------------------|--------------------|------------------------|------------------|
| | Galveston | | Matagorda | | San Antonio | | Aransas | | Corpus Christi | | Upper Laguna Madre | Lower Laguna Madre | Coastwide ^a | |
| Year | | | | | | | | | | | | | | |
| Atlantic croaker | | | | | | | | | | | | | | |
| 1983-84 | 0.1 \pm 0.1 | 0.1 | 0.0 | | 0.0 | | 6.9 \pm 6.9 | 6.9 | 11.6 \pm 10.9 | 10.9 | 0.0 | 0.2 \pm 0.1 | 0.1 | 18.8 \pm 12.9 |
| 1984-85 | <.1 \pm <.1 | <.1 | 0.0 | | 0.0 | | 0.0 | | 0.1 \pm 0.1 | 0.1 | 0.0 | 0.1 \pm 0.1 | 0.1 | 0.2 \pm 0.1 |
| Black drum | | | | | | | | | | | | | | |
| 1983-84 | <.1 \pm <.1 | <.1 | 0.0 | | 0.0 | | 0.1 \pm 0.1 | 0.1 | 2.5 \pm 1.8 | 1.8 | 0.0 | 2.5 \pm 1.5 | 1.5 | 5.1 \pm 2.4 |
| 1984-85 | <.1 \pm <.1 | <.1 | <.1 \pm <.1 | <.1 | <.1 \pm <.1 | <.1 | 0.1 \pm 0.1 | 0.1 | 0.2 \pm 0.2 | 0.2 | 0.0 | 0.5 \pm 0.4 | 0.4 | 0.8 \pm 0.5 |
| Gafftopsail catfish | | | | | | | | | | | | | | |
| 1983-84 | 0.0 | | 0.3 \pm 0.3 | 0.3 | 0.0 | | 0.0 | | 2.5 \pm 2.3 | 2.3 | 0.0 | <.1 \pm <.1 | <.1 | 2.9 \pm 2.3 |
| 1984-85 | 0.0 | | 0.0 | | 0.0 | | 0.1 \pm 0.1 | 0.1 | <.1 \pm <.1 | <.1 | 0.0 | 0.0 | | 0.1 \pm 0.1 |
| Red drum | | | | | | | | | | | | | | |
| 1983-84 | 0.2 \pm 0.2 | 0.2 | 2.5 \pm 1.8 | 1.8 | 0.5 \pm 0.3 | 0.3 | 1.4 \pm 1.0 | 1.0 | 1.8 \pm 1.5 | 1.5 | 0.0 | 5.6 \pm 1.5 | 1.5 | 12.1 \pm 3.0 |
| 1984-85 | 0.3 \pm 0.2 | 0.2 | 0.2 \pm 0.1 | 0.1 | 0.0 | | 4.8 \pm 2.7 | 2.7 | 2.6 \pm 1.3 | 1.3 | 0.0 | 5.9 \pm 1.6 | 1.6 | 13.7 \pm 3.4 |
| Sand seatrout | | | | | | | | | | | | | | |
| 1983-84 | <.1 \pm <.1 | <.1 | 6.8 \pm 6.8 | 6.8 | 0.1 \pm 0.1 | 0.1 | 3.1 \pm 1.9 | 1.9 | 9.5 \pm 7.6 | 7.6 | 0.0 | 0.1 \pm 0.1 | 0.1 | 19.6 \pm 10.4 |
| 1984-85 | <.1 \pm <.1 | <.1 | <.1 \pm <.1 | <.1 | 0.5 \pm 0.5 | 0.5 | 0.0 | | 0.4 \pm 0.4 | 0.4 | 0.0 | 0.0 | | 1.0 \pm 0.6 |
| Sheepshead | | | | | | | | | | | | | | |
| 1983-84 | 0.0 | | 0.0 | | 0.0 | | 0.4 \pm 0.4 | 0.4 | 1.8 \pm 1.3 | 1.3 | 0.0 | 0.6 \pm 0.3 | 0.3 | 2.8 \pm 1.3 |
| 1984-85 | 0.0 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | 0.3 \pm 0.2 | 0.2 | 0.3 \pm 0.2 |
| Southern flounder | | | | | | | | | | | | | | |
| 1983-84 | 0.2 \pm 0.1 | 0.1 | 0.2 \pm 0.1 | 0.1 | 0.1 \pm 0.1 | 0.1 | 0.3 \pm 0.2 | 0.2 | 1.0 \pm 0.9 | 0.9 | 0.0 | 2.5 \pm 0.8 | 0.8 | 4.2 \pm 1.2 |
| 1984-85 | 0.0 | | 0.0 | | 0.0 | | 0.2 \pm 0.2 | 0.2 | 0.3 \pm 0.2 | 0.2 | <.1 \pm <.1 | 0.6 \pm 0.3 | 0.3 | 1.2 \pm 0.4 |
| Spotted seatrout | | | | | | | | | | | | | | |
| 1983-84 | 13.6 \pm 6.8 | 6.8 | 10.5 \pm 5.2 | 5.2 | 8.4 \pm 7.3 | 7.3 | 45.1 \pm 20.8 | 20.8 | 41.0 \pm 37.4 | 37.4 | 0.0 | 74.9 \pm 13.8 | 13.8 | 193.5 \pm 46.4 |
| 1984-85 | 4.0 \pm 2.6 | 2.6 | <.1 \pm <.1 | <.1 | 0.4 \pm 0.4 | 0.4 | 0.7 \pm 0.4 | 0.4 | 2.6 \pm 1.3 | 1.3 | 0.0 | 42.2 \pm 12.9 | 12.9 | 50.0 \pm 13.2 |
| Other species | | | | | | | | | | | | | | |
| 1983-84 | 0.0 | | 0.3 | | <.1 | | 0.8 | | 1.0 | | 0.0 | 0.6 | | 2.8 |
| 1984-85 | 0.1 | | 0.0 | | <.1 | | 0.0 | | 0.0 | | 0.0 | <.1 | | 0.2 |

Table F.3. (Cont'd.)

| Species Year | Bay system | | | | | | | | Coastwide ^a | | | |
|-----------------------------------|------------|-------------|-----------|-------------|-------------|-----------|-------------|--------------|------------------------|----------------|--------------------|--------------------|
| | Galveston | | Matagorda | | San Antonio | | Aransas | | | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre |
| All species combined ^a | | | | | | | | | | | | |
| 1983-84 | 14.2 ± 7.0 | 20.6 ± 10.6 | 9.1 ± 7.3 | 58.1 ± 23.3 | 72.9 ± 52.3 | 0.0 | 86.9 ± 15.1 | 261.8 ± 61.0 | | | | |
| 1984-85 | 4.6 ± 2.8 | 0.2 ± 0.1 | 1.0 ± 1.0 | 5.9 ± 2.9 | 6.2 ± 2.8 | <.1 ± <.1 | 49.6 ± 14.1 | 67.6 ± 15.0 | | | | |

^aDue to rounding of numbers, these totals may not exactly equal individual species totals.

Table F.4. Estimated landings of fishes (No. X 1000) \pm 1 SE caught by party-boat fishermen in Texas bays and passes during the high-use season by species, day type and bay system (1983-1984).

| Species | Bay system | | | | | | | | | | | | |
|---------------------|------------|--|---------------|--|---------------|--|---------------|--|-----------------|--|---------------|--------|------------------------|
| | Galveston | | Matagorda | | San Antonio | | Aransas | | Corpus Christi | | Upper | Lower | Coastwide ^a |
| | | | | | | | | | | | Laguna | Laguna | |
| Year | Day type | | | | | | | | Madre | | Madre | | |
| Atlantic croaker | | | | | | | | | | | | | |
| 1983 | | | | | | | | | | | | | |
| | Weekend | | 0.0 | | 0.0 | | 6.9 \pm 6.9 | | 11.6 \pm 10.9 | | 0.0 | | 18.5 \pm 12.9 |
| | Weekday | | 0.1 \pm 0.1 | | 0.0 | | <.1 \pm <.1 | | 0.0 | | 0.0 | | 0.2 \pm 0.1 |
| 1984 | | | | | | | | | | | | | |
| | Weekend | | 0.0 | | 0.0 | | 0.0 | | 0.1 \pm 0.1 | | 0.0 | | 0.1 \pm 0.1 |
| | Weekday | | <.1 \pm <.1 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | | 0.1 \pm 0.1 |
| Black drum | | | | | | | | | | | | | |
| 1983 | | | | | | | | | | | | | |
| | Weekend | | 0.0 | | 0.0 | | 0.1 \pm 0.1 | | 0.0 | | 0.0 | | 0.1 \pm 0.1 |
| | Weekday | | <.1 \pm <.1 | | 0.0 | | 0.0 | | 2.5 \pm 1.8 | | 0.0 | | 0.2 \pm 0.1 |
| 1984 | | | | | | | | | | | | | |
| | Weekend | | <.1 \pm <.1 | | <.1 \pm <.1 | | 0.0 | | 0.2 \pm 0.2 | | 0.0 | | 0.3 \pm 0.2 |
| | Weekday | | <.1 \pm <.1 | | 0.0 | | 0.1 \pm 0.1 | | 0.0 | | 0.0 | | 0.4 \pm 0.4 |
| Gafftopsail catfish | | | | | | | | | | | | | |
| 1983 | | | | | | | | | | | | | |
| | Weekend | | 0.0 | | 0.3 \pm 0.3 | | 0.0 | | 0.0 | | 0.0 | | 0.3 \pm 0.3 |
| | Weekday | | 0.0 | | 0.0 | | 0.0 | | 2.2 \pm 2.2 | | 0.0 | | <.1 \pm <.1 |
| 1984 | | | | | | | | | | | | | |
| | Weekend | | 0.0 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | | 0.0 |
| | Weekday | | 0.0 | | 0.0 | | 0.1 \pm 0.1 | | <.1 \pm <.1 | | 0.0 | | 0.1 \pm 0.1 |
| Red drum | | | | | | | | | | | | | |
| 1983 | | | | | | | | | | | | | |
| | Weekend | | 0.0 | | 0.4 \pm 0.2 | | 0.3 \pm 0.2 | | 0.1 \pm 0.1 | | 0.0 | | 0.6 \pm 0.3 |
| | Weekday | | 0.2 \pm 0.2 | | 2.2 \pm 1.8 | | 0.2 \pm 0.2 | | 1.3 \pm 1.0 | | 1.8 \pm 1.5 | | 4.0 \pm 1.2 |
| 1984 | | | | | | | | | | | | | |
| | Weekend | | 0.0 | | <.1 \pm <.1 | | 0.0 | | 2.1 \pm 1.7 | | 2.1 \pm 1.3 | | 1.0 \pm 0.4 |
| | Weekday | | 0.3 \pm 0.2 | | 0.1 \pm 0.1 | | 0.0 | | 0.6 \pm 0.6 | | 0.5 \pm 0.3 | | 2.8 \pm 1.1 |

Table F.4. (Cont'd.)

| Species | Bay system | | | | | | | | | | | | | | |
|--------------------------|------------|----------|-----------|--|-----------|--|-------------|--|-------------|--|----------------|--|--------------------|--------------------|------------------------|
| | Year | Day type | Galveston | | Matagorda | | San Antonio | | Aransas | | Corpus Christi | | Upper Laguna Madre | Lower Laguna Madre | Coastwide ^a |
| | | | | | | | | | | | | | | | |
| Sand seatrout | | | | | | | | | | | | | | | |
| 1983 | | | | | | | | | | | | | | | |
| | | Weekend | 0.0 | | 6.8 ± 6.8 | | 0.1 ± 0.1 | | 0.2 ± 0.2 | | 2.0 ± 1.6 | | 0.0 | 0.0 | 9.1 ± 7.0 |
| | | Weekday | <.1 ± <.1 | | 0.0 | | 0.0 | | 2.9 ± 1.9 | | 7.5 ± 7.5 | | 0.0 | 0.1 ± 0.1 | 10.5 ± 7.7 |
| 1984 | | | | | | | | | | | | | | | |
| | | Weekend | 0.0 | | 0.0 | | 0.0 | | 0.0 | | 0.4 ± 0.4 | | 0.0 | 0.0 | 0.4 ± 0.4 |
| | | Weekday | <.1 ± <.1 | | <.1 ± <.1 | | 0.5 ± 0.5 | | 0.0 | | <.1 ± <.1 | | 0.0 | 0.0 | 0.6 ± 0.5 |
| Sheepshead | | | | | | | | | | | | | | | |
| 1983 | | | | | | | | | | | | | | | |
| | | Weekend | 0.0 | | 0.0 | | 0.0 | | 0.4 ± 0.4 | | 0.0 | | 0.0 | 0.1 ± 0.1 | 0.5 ± 0.4 |
| | | Weekday | 0.0 | | 0.0 | | 0.0 | | 0.0 | | 1.8 ± 1.3 | | 0.0 | 0.4 ± 0.2 | 2.2 ± 1.3 |
| 1984 | | | | | | | | | | | | | | | |
| | | Weekend | 0.0 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | 0.1 ± 0.1 | 0.1 ± 0.1 |
| | | Weekday | 0.0 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | 0.2 ± 0.1 | 0.2 ± 0.1 |
| Southern flounder | | | | | | | | | | | | | | | |
| 1983 | | | | | | | | | | | | | | | |
| | | Weekend | 0.0 | | 0.1 ± 0.1 | | 0.1 ± 0.1 | | 0.0 | | 0.0 | | 0.0 | 0.8 ± 0.4 | 1.0 ± 0.4 |
| | | Weekday | 0.2 ± 0.1 | | <.1 ± <.1 | | 0.0 | | 0.3 ± 0.2 | | 1.0 ± 0.9 | | 0.0 | 1.6 ± 0.7 | 3.1 ± 1.1 |
| 1984 | | | | | | | | | | | | | | | |
| | | Weekend | 0.0 | | 0.0 | | 0.0 | | <.1 ± <.1 | | 0.1 ± 0.1 | | 0.0 | 0.0 | 0.2 ± 0.1 |
| | | Weekday | 0.0 | | 0.0 | | 0.0 | | 0.2 ± 0.2 | | 0.2 ± 0.2 | | <.1 ± <.1 | 0.3 ± 0.2 | 0.7 ± 0.3 |
| Spotted seatrout | | | | | | | | | | | | | | | |
| 1983 | | | | | | | | | | | | | | | |
| | | Weekend | 7.2 ± 6.0 | | 4.6 ± 2.5 | | 0.7 ± 0.5 | | 13.0 ± 7.6 | | 0.1 ± 0.1 | | 0.0 | 14.3 ± 3.8 | 39.9 ± 10.7 |
| | | Weekday | 6.4 ± 3.4 | | 5.9 ± 4.6 | | 7.7 ± 7.2 | | 32.1 ± 19.4 | | 40.9 ± 37.4 | | 0.0 | 42.4 ± 9.5 | 135.4 ± 44.2 |
| 1984 | | | | | | | | | | | | | | | |
| | | Weekend | 0.0 | | <.1 ± <.1 | | 0.0 | | 0.1 ± 0.1 | | 1.1 ± 0.6 | | 0.0 | 8.7 ± 4.9 | 9.9 ± 5.0 |
| | | Weekday | 4.0 ± 2.6 | | 0.0 | | 0.4 ± 0.4 | | 0.6 ± 0.4 | | 1.5 ± 1.2 | | 0.0 | 12.4 ± 4.2 | 19.0 ± 5.1 |

Table F.4. (Cont'd.)

| Species | Bay system | | | | | | | | | | | | | | | |
|-----------------------------------|------------|-----------|--|------------|--|-------------|--|-------------|--|----------------|--------------------|--------------------|------------------------|-------------|--|--------------|
| | Year | Galveston | | Matagorda | | San Antonio | | Aransas | | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | Coastwide ^a | | | |
| Day type | | | | | | | | | | | | | | | | |
| Other species | | | | | | | | | | | | | | | | |
| 1983 | | | | | | | | | | | | | | | | |
| Weekend | | 0,0 | | 0,2 | | <.1 | | 0,4 | | 0,7 | | 0,0 | | 0,0 | | 1,4 |
| Weekday | | 0,0 | | <.1 | | 0,0 | | 0,4 | | 0,3 | | 0,0 | | 0,2 | | 1,0 |
| 1984 | | | | | | | | | | | | | | | | |
| Weekend | | 0,0 | | 0,0 | | <.1 | | 0,0 | | 0,0 | | 0,0 | | 0,0 | | <.1 |
| Weekday | | 0,1 | | 0,0 | | <.1 | | 0,0 | | 0,0 | | 0,0 | | 0,0 | | 0,2 |
| All species combined ^a | | | | | | | | | | | | | | | | |
| 1983 | | | | | | | | | | | | | | | | |
| Weekend | | 7.2 ± 6.0 | | 12.5 ± 8.5 | | 1.2 ± 0.8 | | 21.0 ± 10.9 | | 14.4 ± 11.7 | | 0,0 | | 16.0 ± 4.3 | | 72.3 ± 19.6 |
| Weekday | | 7.0 ± 3.6 | | 8.1 ± 6.3 | | 7.9 ± 7.3 | | 37.1 ± 20.6 | | 58.2 ± 51.0 | | 0,0 | | 49.0 ± 10.3 | | 167.3 ± 56.9 |
| 1984 | | | | | | | | | | | | | | | | |
| Weekend | | 0,0 | | 0.1 ± 0.1 | | <.1 ± <.1 | | 2.3 ± 1.7 | | 4.0 ± 2.2 | | 0,0 | | 9.7 ± 5.0 | | 16.1 ± 5.7 |
| Weekday | | 4.6 ± 2.8 | | 0.2 ± 0.1 | | 1.0 ± 1.0 | | 1.6 ± 1.1 | | 2.2 ± 1.6 | | <.1 ± <.1 | | 16.2 ± 5.4 | | 25.7 ± 6.4 |

^aDue to rounding of numbers, these totals may not exactly equal individual species totals.

Table F.5. Estimated landings of fishes (No. X 1000) \pm 1 SE caught by party-boat fishermen in Texas bays and passes during the low-use season by species, day type and bay system (1983-1985).

| Species | Bay system | | | | | | | | | |
|---------------------|------------|-----------|-----------|-------------|---------------|----------------|--------------|---------------|------------------------|---------------|
| | Year | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper | Lower | Coastwide ^a | |
| | | | | | | | Laguna Madre | Laguna Madre | | |
| Day type | | | | | | | | | | |
| Atlantic croaker | | | | | | | | | | |
| 1983-84 | | | | | | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984-85 | | | | | | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 \pm 0.1 | 0.1 \pm 0.1 | 0.1 \pm 0.1 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Black drum | | | | | | | | | | |
| 1983-84 | | | | | | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.7 \pm 1.5 | 1.7 \pm 1.5 | 1.7 \pm 1.5 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 \pm 0.4 | 0.5 \pm 0.4 | 0.5 \pm 0.4 |
| 1984-85 | | | | | | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Gafftopsail catfish | | | | | | | | | | |
| 1983-84 | | | | | | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 \pm 0.3 | 0.0 | 0.0 | 0.3 \pm 0.3 | 0.3 \pm 0.3 |
| 1984-85 | | | | | | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Red drum | | | | | | | | | | |
| 1983-84 | | | | | | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 \pm 0.9 | 1.0 \pm 0.9 | 1.0 \pm 0.9 |
| 1984-85 | | | | | | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 \pm 0.4 | 0.7 \pm 0.4 | 0.7 \pm 0.4 |
| | Weekday | 0.0 | 0.0 | 0.0 | 2.1 \pm 2.1 | 0.0 | 0.0 | 1.4 \pm 1.0 | 3.5 \pm 2.3 | 3.5 \pm 2.3 |

Table F.5. (Cont'd.)

| Species | Bay system | | | | | | | | Coastwide ^a |
|-------------------|------------|-----------|-----------|---------|---------|--------|--------|------------|------------------------|
| | Year | | San | Aransas | Corpus | Upper | Lower | | |
| | Day type | Galveston | Matagorda | Antonio | Christi | Laguna | Laguna | | |
| | | | | | | Madre | Madre | | |
| Sand seatrout | | | | | | | | | |
| 1983-84 | | | | | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984-85 | | | | | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Sheepshead | | | | | | | | | |
| 1983-84 | | | | | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 ± 0.1 | 0.1 ± 0.1 |
| 1984-85 | | | | | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 ± 0.1 | 0.1 ± 0.1 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Southern flounder | | | | | | | | | |
| 1983-84 | | | | | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984-85 | | | | | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 ± 0.1 | 0.1 ± 0.1 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 ± 0.2 | 0.2 ± 0.2 |
| Spotted seatrout | | | | | | | | | |
| 1983-84 | | | | | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11.0 ± 8.1 | 11.0 ± 8.1 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.2 ± 4.5 | 7.2 ± 4.5 |
| 1984-85 | | | | | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.8 ± 7.1 | 8.8 ± 7.1 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12.2 ± 8.5 | 12.2 ± 8.5 |

Table F.5. (Cont'd.)

| Species | Year | Day type | Bay system | | | | | | Coastwide ^a | | |
|-----------------------------------|------|----------|------------|-----------|-------------|-----------|----------------|--------------------|------------------------|------------|--------------------|
| | | | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | | | Lower Laguna Madre |
| Other species | | | | | | | | | | | |
| 1983-84 | | | | | | | | | | | |
| | | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.4 |
| | | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984-85 | | | | | | | | | | | |
| | | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | <.1 | <.1 |
| | | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| All species combined ^a | | | | | | | | | | | |
| 1983-84 | | | | | | | | | | | |
| | | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13.1 ± 8.5 | 13.1 ± 8.5 | 13.1 ± 8.5 |
| | | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 ± 0.3 | 0.0 | 8.8 ± 5.6 | 9.1 ± 5.6 | 9.1 ± 5.6 |
| 1984-85 | | | | | | | | | | | |
| | | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.7 ± 7.5 | 9.7 ± 7.5 | 9.7 ± 7.5 |
| | | Weekday | 0.0 | 0.0 | 0.0 | 2.1 ± 2.1 | 0.0 | 0.0 | 13.9 ± 9.5 | 16.0 ± 9.7 | 16.0 ± 9.7 |

^aDue to rounding of numbers, these totals may not exactly equal individual species totals.

Table F.6. Annual mean catch rates of fishes (No./man-h) \pm 1 SE caught by party-boat fishermen in Texas bays and passes by species and bay system (1983-1985).

| Species | Bay system | | | | | | | |
|---------------------|-----------------|-----------------|-----------------|-----------------|-----------------|--------------------|--------------------|-----------------|
| | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | Coastwide |
| Atlantic croaker | | | | | | | | |
| 1983-84 | 0.01 \pm 0.01 | 0.00 | 0.00 | 0.18 \pm 0.18 | 0.19 \pm 0.18 | 0.00 | <.01 \pm <.01 | 0.07 \pm 0.05 |
| 1984-85 | <.01 \pm <.01 | 0.00 | 0.00 | 0.00 | <.01 \pm <.01 | 0.00 | <.01 \pm <.01 | <.01 \pm <.01 |
| Black drum | | | | | | | | |
| 1983-84 | <.01 \pm <.01 | 0.00 | 0.00 | <.01 \pm <.01 | 0.04 \pm 0.03 | 0.00 | 0.03 \pm 0.02 | 0.02 \pm 0.01 |
| 1984-85 | <.01 \pm <.01 | <.01 \pm <.01 | 0.01 \pm 0.01 | 0.01 \pm 0.01 | 0.01 \pm 0.01 | 0.00 | 0.01 \pm <.01 | 0.01 \pm <.01 |
| Gafftopsail catfish | | | | | | | | |
| 1983-84 | 0.00 | 0.01 \pm 0.01 | 0.00 | 0.00 | 0.04 \pm 0.04 | 0.00 | 0.00 | 0.01 \pm 0.01 |
| 1984-85 | 0.00 | 0.00 | 0.00 | 0.01 \pm 0.01 | <.01 \pm <.01 | 0.00 | 0.00 | <.01 \pm <.01 |
| Red drum | | | | | | | | |
| 1983-84 | 0.01 \pm 0.01 | 0.12 \pm 0.09 | 0.06 \pm 0.04 | 0.04 \pm 0.03 | 0.03 \pm 0.03 | 0.00 | 0.06 \pm 0.02 | 0.05 \pm 0.02 |
| 1984-85 | 0.03 \pm 0.03 | 0.19 \pm 0.17 | 0.00 | 0.27 \pm 0.18 | 0.12 \pm 0.07 | 0.00 | 0.08 \pm 0.03 | 0.11 \pm 0.03 |
| Sand seatrout | | | | | | | | |
| 1983-84 | <.01 \pm <.01 | 0.33 \pm 0.33 | 0.01 \pm 0.01 | 0.08 \pm 0.05 | 0.15 \pm 0.14 | 0.00 | <.01 \pm <.01 | 0.08 \pm 0.04 |
| 1984-85 | <.01 \pm <.01 | 0.01 \pm 0.01 | 0.82 \pm 0.82 | 0.00 | 0.02 \pm 0.02 | 0.00 | 0.00 | 0.01 \pm <.01 |
| Sheepshead | | | | | | | | |
| 1983-84 | 0.00 | 0.00 | 0.00 | 0.01 \pm 0.01 | 0.03 \pm 0.02 | 0.00 | 0.01 \pm <.01 | 0.01 \pm 0.01 |
| 1984-85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | <.01 \pm <.01 | <.01 \pm <.01 |
| Southern flounder | | | | | | | | |
| 1983-84 | 0.01 \pm 0.01 | 0.01 \pm 0.01 | 0.01 \pm 0.01 | 0.01 \pm 0.01 | 0.02 \pm 0.01 | 0.00 | 0.02 \pm 0.01 | 0.02 \pm 0.01 |
| 1984-85 | 0.00 | 0.00 | 0.00 | 0.01 \pm 0.01 | 0.01 \pm 0.01 | 0.06 \pm 0.06 | 0.01 \pm <.01 | 0.01 \pm <.01 |
| Spotted seatrout | | | | | | | | |
| 1983-84 | 0.62 \pm 0.41 | 0.50 \pm 0.31 | 0.98 \pm 0.90 | 1.17 \pm 0.64 | 0.66 \pm 0.63 | 0.00 | 0.77 \pm 0.23 | 0.77 \pm 0.24 |
| 1984-85 | 0.39 \pm 0.30 | 0.03 \pm 0.03 | 0.71 \pm 0.71 | 0.04 \pm 0.03 | 0.12 \pm 0.08 | 0.00 | 0.56 \pm 0.21 | 0.39 \pm 0.12 |
| Other species | | | | | | | | |
| 1983-84 | 0.00 | 0.01 | <.01 | 0.02 | 0.02 | 0.00 | 0.01 | 0.01 |
| 1984-85 | 0.01 | 0.00 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | <.01 |

Table F.6. (Cont'd.)

| Species Year | Bay system | | | | | | | Coastwide |
|-----------------------------------|-------------|-------------|-------------|-------------|----------------|--------------------|--------------------|-------------|
| | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | |
| All species combined ^a | | | | | | | | |
| 1983-84 | 0.65 ± 0.42 | 0.99 ± 0.62 | 1.06 ± 0.93 | 1.51 ± 0.76 | 1.17 ± 1.02 | 0.00 | 0.89 ± 0.26 | 1.05 ± 0.33 |
| 1984-85 | 0.44 ± 0.34 | 0.24 ± 0.21 | 1.61 ± 1.60 | 0.34 ± 0.21 | 0.28 ± 0.17 | 0.06 ± 0.06 | 0.66 ± 0.24 | 0.53 ± 0.15 |

^aDue to rounding of numbers these totals may not exactly equal individual totals.

Table F.7. Mean catch rates of fishes (No./man-h) \pm 1 SE caught by party-boat fishermen in Texas bays and passes during the high-use season by species, day type and bay system (1983-1984). Blank = no fishermen interviewed.

| Species | Bay system | | | | | | | | |
|---------------------|-----------------|-----------------|-----------------|-----------------|-----------------|---------|-----------------|-----------------|-----------|
| | | | San | | Corpus | Upper | Lower | | |
| | Year | Galveston | Matagorda | Antonio | Aransas | Christi | Laguna Madre | Laguna Madre | Coastwide |
| Day type | | | | | | | | | |
| Atlantic croaker | | | | | | | | | |
| 1983 | | | | | | | | | |
| Weekend | 0.00 | 0.00 | 0.00 | 0.53 \pm 0.53 | 2.53 \pm 2.44 | 0.00 | 0.00 | 0.36 \pm 0.25 | |
| Weekday | 0.01 \pm 0.01 | 0.00 | 0.00 | <.01 \pm <.01 | 0.00 | | <.01 \pm <.01 | <.01 \pm <.01 | |
| 1984 | | | | | | | | | |
| Weekend | 0.00 | 0.00 | 0.00 | 0.00 | <.01 \pm <.01 | | 0.00 | <.01 \pm <.01 | |
| Weekday | <.01 \pm <.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | <.01 \pm <.01 | <.01 \pm <.01 | |
| Black drum | | | | | | | | | |
| 1983 | | | | | | | | | |
| Weekend | 0.00 | 0.00 | 0.00 | <.01 \pm <.01 | 0.00 | 0.00 | 0.01 \pm 0.01 | <.01 \pm <.01 | |
| Weekday | <.01 \pm <.01 | 0.00 | 0.00 | 0.00 | 0.05 \pm 0.04 | | <.01 \pm <.01 | 0.02 \pm 0.01 | |
| 1984 | | | | | | | | | |
| Weekend | 0.00 | 0.04 \pm 0.04 | 0.07 \pm 0.07 | 0.00 | 0.01 \pm 0.01 | | <.01 \pm <.01 | 0.01 \pm 0.01 | |
| Weekday | <.01 \pm <.01 | 0.00 | 0.00 | 0.01 \pm 0.01 | 0.00 | 0.00 | 0.01 \pm 0.01 | 0.01 \pm 0.01 | |
| Gafftopsail catfish | | | | | | | | | |
| 1983 | | | | | | | | | |
| Weekend | 0.00 | 0.03 \pm 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 \pm 0.01 | |
| Weekday | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 \pm 0.04 | | 0.00 | 0.01 \pm 0.01 | |
| 1984 | | | | | | | | | |
| Weekend | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | |
| Weekday | 0.00 | 0.00 | 0.00 | 0.01 \pm 0.01 | <.01 \pm <.01 | 0.00 | 0.00 | <.01 \pm <.01 | |
| Red drum | | | | | | | | | |
| 1983 | | | | | | | | | |
| Weekend | 0.00 | 0.03 \pm 0.02 | 0.24 \pm 0.19 | 0.01 \pm 0.01 | 0.00 | 0.00 | 0.04 \pm 0.02 | 0.03 \pm 0.01 | |
| Weekday | 0.01 \pm 0.01 | 0.24 \pm 0.21 | 0.02 \pm 0.02 | 0.05 \pm 0.04 | 0.03 \pm 0.03 | | 0.09 \pm 0.03 | 0.06 \pm 0.03 | |
| 1984 | | | | | | | | | |
| Weekend | 0.00 | 0.31 \pm 0.31 | 0.00 | 0.60 \pm 0.54 | 0.11 \pm 0.08 | | 0.07 \pm 0.04 | 0.15 \pm 0.07 | |
| Weekday | 0.03 \pm 0.03 | 0.18 \pm 0.17 | 0.00 | 0.06 \pm 0.06 | 0.12 \pm 0.11 | 0.00 | 0.09 \pm 0.05 | 0.08 \pm 0.03 | |

Table F.7. (Cont'd.)

| Species | Bay system | | | | | | | | |
|--------------------------|------------|-------------|-------------|-------------|-------------|----------------|--------------------|--------------------|-------------|
| | Year | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | Coastwide |
| | Day type | | | | | | | | |
| Sand seatrout | | | | | | | | | |
| 1983 | | | | | | | | | |
| | Weekend | 0.00 | 0.58 ± 0.58 | 0.06 ± 0.06 | 0.01 ± 0.01 | 0.43 ± 0.38 | 0.00 | 0.00 | 0.17 ± 0.14 |
| | Weekday | <.01 ± <.01 | 0.00 | 0.00 | 0.12 ± 0.08 | 0.14 ± 0.14 | | <.01 ± <.01 | 0.07 ± 0.05 |
| 1984 | | | | | | | | | |
| | Weekend | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 ± 0.02 | | 0.00 | 0.01 ± 0.01 |
| | Weekday | <.01 ± <.01 | 0.01 ± 0.01 | 0.97 ± 0.97 | 0.00 | <.01 ± <.01 | 0.00 | 0.00 | 0.01 ± 0.01 |
| Sheepshead | | | | | | | | | |
| 1983 | | | | | | | | | |
| | Weekend | 0.00 | 0.00 | 0.00 | 0.03 ± 0.03 | 0.00 | 0.00 | 0.01 ± 0.01 | 0.01 ± 0.01 |
| | Weekday | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 ± 0.03 | | 0.01 ± <.01 | 0.01 ± 0.01 |
| 1984 | | | | | | | | | |
| | Weekend | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | <.01 ± <.01 | <.01 ± <.01 |
| | Weekday | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 ± 0.01 | <.01 ± <.01 |
| Southern flounder | | | | | | | | | |
| 1983 | | | | | | | | | |
| | Weekend | 0.00 | 0.01 ± 0.01 | 0.06 ± 0.06 | 0.00 | 0.00 | 0.00 | 0.06 ± 0.03 | 0.02 ± 0.01 |
| | Weekday | 0.01 ± 0.01 | <.01 ± <.01 | 0.00 | 0.01 ± 0.01 | 0.02 ± 0.02 | | 0.04 ± 0.02 | 0.02 ± 0.01 |
| 1984 | | | | | | | | | |
| | Weekend | 0.00 | 0.00 | 0.00 | 0.01 ± 0.01 | 0.01 ± <.01 | | 0.00 | <.01 ± <.01 |
| | Weekday | 0.00 | 0.00 | 0.00 | 0.02 ± 0.02 | 0.05 ± 0.05 | 0.06 ± 0.06 | 0.01 ± 0.01 | 0.01 ± 0.01 |
| Spotted seatrout | | | | | | | | | |
| 1983 | | | | | | | | | |
| | Weekend | 0.99 ± 0.91 | 0.40 ± 0.28 | 0.53 ± 0.42 | 1.01 ± 0.70 | 0.02 ± 0.02 | 0.00 | 1.02 ± 0.37 | 0.77 ± 0.26 |
| | Weekday | 0.44 ± 0.33 | 0.64 ± 0.56 | 1.07 ± 1.03 | 1.26 ± 0.88 | 0.79 ± 0.77 | | 0.94 ± 0.31 | 0.88 ± 0.39 |
| 1984 | | | | | | | | | |
| | Weekend | 0.00 | 0.23 ± 0.23 | 0.00 | 0.03 ± 0.03 | 0.06 ± 0.04 | | 0.67 ± 0.43 | 0.28 ± 0.16 |
| | Weekday | 0.39 ± 0.30 | 0.00 | 0.84 ± 0.84 | 0.07 ± 0.06 | 0.39 ± 0.37 | 0.00 | 0.42 ± 0.19 | 0.35 ± 0.13 |

Table F.7. (Cont'd.)

| Species | Year | Bay system | | | | | | Upper Laguna Madre | Lower Laguna Madre | Coastwide |
|-----------------------------------|----------|-------------|-------------|----------------|-------------|-------------------|-------------|--------------------------|--------------------------|-----------|
| | | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | | | | |
| | Day type | | | | | | | | | |
| Other species | | | | | | | | | | |
| 1983 | | | | | | | | | | |
| | Weekend | 0.00 | 0.02 | 0.01 | 0.03 | 0.15 | 0.00 | 0.00 | 0.03 | |
| | Weekday | 0.00 | <.01 | 0.00 | 0.02 | 0.01 | | <.01 | 0.01 | |
| 1984 | | | | | | | | | | |
| | Weekend | 0.00 | 0.00 | 0.07 | 0.00 | 0.00 | | 0.00 | 0.00 | |
| | Weekday | 0.01 | 0.00 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | <.01 | |
| All species combined ^a | | | | | | | | | | |
| 1983 | | | | | | | | | | |
| | Weekend | 0.99 ± 0.91 | 1.07 ± 0.84 | 0.89 ± 0.69 | 1.63 ± 1.08 | 3.14 ± 2.78 | 0.00 | 1.14 ± 0.42 | 1.39 ± 0.47 | |
| | Weekday | 0.48 ± 0.36 | 0.88 ± 0.78 | 1.09 ± 1.05 | 1.46 ± 0.97 | 1.12 ± 1.08 | | 1.08 ± 0.34 | 1.09 ± 0.49 | |
| 1984 | | | | | | | | | | |
| | Weekend | 0.00 | 0.58 ± 0.58 | 0.15 ± 0.15 | 0.64 ± 0.57 | 0.22 ± 0.16 | | 0.75 ± 0.45 | 0.46 ± 0.21 | |
| | Weekday | 0.44 ± 0.34 | 0.19 ± 0.18 | 1.87 ± 1.87 | 0.18 ± 0.16 | 0.57 ± 0.53 | 0.06 ± 0.06 | 0.54 ± 0.25 | 0.47 ± 0.16 | |

^aDue to rounding of numbers, these totals may not exactly equal individual totals.

Table F.8. Mean catch rates of fishes (No./man-h) \pm 1 SE caught by party-boat fishermen in Texas bays and passes during the low-use season by species, day type and bay system (1983-1985). Blank = no fishermen interviewed.

| Species | Year | Bay system | | | | | | | |
|---------------------|---------|------------|-----------|---------|-----------------|-----------------|--------|-----------------|-----------------|
| | | Galveston | Matagorda | San | Aransas | Corpus | Upper | Lower | Coastwide |
| | | | | Antonio | | Christi | Laguna | Laguna | |
| Day type | | | | | | Madre | Madre | | |
| Atlantic croaker | | | | | | | | | |
| 1983-84 | | | | | | | | | |
| | Weekend | | | | | | 0.00 | 0.00 | |
| | Weekday | | | | | 0.00 | 0.00 | 0.00 | 0.00 |
| 1984-85 | | | | | | | | | |
| | Weekend | | | | 0.00 | | | <.01 \pm <.01 | <.01 \pm <.01 |
| | Weekday | | | | 0.00 | | | 0.00 | 0.00 |
| Black drum | | | | | | | | | |
| 1983-84 | | | | | | | | | |
| | Weekend | | | | | | | 0.16 \pm 0.15 | 0.16 \pm 0.15 |
| | Weekday | | | | | 0.00 | 0.00 | 0.02 \pm 0.02 | 0.01 \pm 0.01 |
| 1984-85 | | | | | | | | | |
| | Weekend | | | | 0.00 | | | 0.00 | 0.00 |
| | Weekday | | | | 0.00 | | | 0.00 | 0.00 |
| Gafftopsail catfish | | | | | | | | | |
| 1983-84 | | | | | | | | | |
| | Weekend | | | | | | | 0.00 | 0.00 |
| | Weekday | | | | | 0.05 \pm 0.05 | 0.00 | 0.00 | 0.01 \pm 0.01 |
| 1984-85 | | | | | | | | | |
| | Weekend | | | | 0.00 | | | 0.00 | 0.00 |
| | Weekday | | | | 0.00 | | | 0.00 | 0.00 |
| Red drum | | | | | | | | | |
| 1983-84 | | | | | | | | | |
| | Weekend | | | | | | | 0.00 | 0.00 |
| | Weekday | | | | | 0.00 | 0.00 | 0.04 \pm 0.03 | 0.03 \pm 0.03 |
| 1984-85 | | | | | | | | | |
| | Weekend | | | | 0.00 | | | 0.04 \pm 0.03 | 0.04 \pm 0.03 |
| | Weekday | | | | 0.48 \pm 0.48 | | | 0.08 \pm 0.07 | 0.16 \pm 0.13 |

Table F.8. (Cont'd.)

| Species | Year | Bay system | | | | | | | Coastwide |
|-------------------|---------|------------|-----------|-------------|---------|----------------|--------------|--------------|-------------|
| | | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper | Lower | |
| | | | | | | | Laguna Madre | Laguna Madre | |
| Day type | | | | | | | | | |
| Sand seatrout | | | | | | | | | |
| | 1983-84 | | | | | | | | |
| | Weekend | | | | | | | 0.00 | 0.00 |
| | Weekday | | | | | 0.00 | 0.00 | 0.00 | 0.00 |
| | 1984-85 | | | | | | | | |
| | Weekend | | | | 0.00 | | | 0.00 | 0.00 |
| | Weekday | | | | 0.00 | | | 0.00 | 0.00 |
| Sheepshead | | | | | | | | | |
| | 1983-84 | | | | | | | | |
| | Weekend | | | | | | | 0.00 | 0.00 |
| | Weekday | | | | | 0.00 | 0.00 | <.01 ± <.01 | <.01 ± <.01 |
| | 1984-85 | | | | | | | | |
| | Weekend | | | | 0.00 | | | 0.01 ± <.01 | 0.01 ± <.01 |
| | Weekday | | | | 0.00 | | | 0.00 | 0.00 |
| Southern flounder | | | | | | | | | |
| | 1983-84 | | | | | | | | |
| | Weekend | | | | | | | 0.00 | 0.00 |
| | Weekday | | | | | 0.00 | 0.00 | 0.00 | 0.00 |
| | 1984-85 | | | | | | | | |
| | Weekend | | | | 0.00 | | | <.01 ± <.01 | <.01 ± <.01 |
| | Weekday | | | | 0.00 | | | 0.01 ± 0.01 | 0.01 ± 0.01 |
| Spotted seatrout | | | | | | | | | |
| | 1983-84 | | | | | | | | |
| | Weekend | | | | | | | 1.07 ± 0.89 | 1.07 ± 0.89 |
| | Weekday | | | | | 0.00 | 0.00 | 0.26 ± 0.21 | 0.21 ± 0.16 |
| | 1984-85 | | | | | | | | |
| | Weekend | | | | 0.00 | | | 0.56 ± 0.50 | 0.53 ± 0.47 |
| | Weekday | | | | 0.00 | | | 0.72 ± 0.60 | 0.57 ± 0.46 |

Table F.8. (Cont'd.)

| Species | Bay system | | | | | | | | |
|-----------------------------------|------------|-----------|-----------|-------------|-------------|----------------|--------------------|--------------------|-------------|
| | Year | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | Coastwide |
| | Day type | | | | | | | | |
| Other species | | | | | | | | | |
| 1983-84 | | | | | | | | | |
| | Weekend | | | | | | | 0,04 | 0,04 |
| | Weekday | | | | | 0,00 | 0,00 | 0,00 | 0,00 |
| 1984-85 | | | | | | | | | |
| | Weekend | | | | 0,00 | | | <,01 | <,01 |
| | Weekday | | | | 0,00 | | | 0,00 | 0,00 |
| All species combined ^a | | | | | | | | | |
| 1983-84 | | | | | | | | | |
| | Weekend | | | | | | | 1,27 ± 0,99 | 1,27 ± 0,99 |
| | Weekday | | | | | 0,05 ± 0,05 | 0,00 | 0,31 ± 0,26 | 0,27 ± 0,20 |
| 1984-85 | | | | | | | | | |
| | Weekend | | | | 0,00 | | | 0,62 ± 0,54 | 0,59 ± 0,51 |
| | Weekday | | | | 0,48 ± 0,48 | | | 0,82 ± 0,68 | 0,75 ± 0,56 |

^aDue to rounding of numbers, these totals may not exactly equal individual totals.

Table F.9. Mean catch rates of fishes (No./man-h) caught by party-boat fishermen in Texas bays and passes during June-August by species and bay system (1979-1984)^a. ND = no data. Number in parenthesis indicates number of interviews.

| Bay system Year | Spotted seatrout | Other | Total |
|---------------------------------------|---------------------|-------------|--------------|
| Galveston | | | |
| 1979 (2) | 0.88 ± 0.01 | 0.19 ± 0.19 | 1.07 ± 0.18 |
| 1981 (13) | 1.14 ± 0.26 | 0.15 ± 0.07 | 1.29 ± 0.24 |
| 1982 (8) | 1.49 ± 0.37 | 0.35 ± 0.31 | 1.83 ± 0.42 |
| 1983 (3) | 0.99 ± 0.88 | 0.00 | 0.99 ± 0.88 |
| 1984 (5) | 0.36 ± 0.31 | 0.06 | 0.42 ± 0.35 |
| Matagorda^b | | | |
| 1979 (0) | ND | ND | ND |
| 1981 (0) | ND | ND | ND |
| 1982 (13) | 1.16 ± 0.41 | 0.25 ± 0.10 | 1.43 ± 0.48 |
| 1983 (6) | 0.40 ± 0.29 | 0.74 | 1.14 ± 0.92 |
| 1984 (3) | 0.03 ± 0.03 | 0.21 | 0.24 ± 0.21 |
| San Antonio^b | | | |
| 1979 (0) | ND | ND | ND |
| 1981 (0) | ND | ND | ND |
| 1982 (13) | 1.16 ± 0.41 | 0.25 ± 0.10 | 1.43 ± 0.48 |
| 1983 (2) | 0.23 ± 0.22 | 0.07 | 0.30 ± 0.29 |
| 1984 (2) | 0.84 ± 0.84 | 1.03 | 1.87 ± 1.87 |
| Aransas^c | | | |
| 1979 (6) | 1.03 ± 0.37 | 0.13 ± 0.08 | 1.17 ± 0.38 |
| 1981 (30) | 2.07 ± 0.23 | 0.10 ± 0.04 | 2.17 ± 0.22 |
| 1982 (35) | 1.49 ± 0.20 | 0.37 ± 0.13 | 1.86 ± 0.21 |
| 1983 (15) | 1.49 ± 0.98 | 0.17 | 1.66 ± 1.06 |
| 1984 (1) | 0.00 | 11.11 | 11.11 ± 1.11 |
| Corpus Christi^c | | | |
| 1979 (6) | 1.03 ± 0.37 | 0.13 ± 0.08 | 1.17 ± 0.38 |
| 1981 (30) | 2.07 ± 0.23 | 0.10 ± 0.04 | 2.17 ± 0.22 |
| 1982 (35) | 1.49 ± 0.20 | 0.37 ± 0.13 | 1.86 ± 0.21 |
| 1983 (4) | 0.86 ± 0.85 | 0.30 | 1.16 ± 1.15 |
| 1984 (7) | 0.13 ± 0.10 | 0.11 | 0.24 ± 0.19 |
| Upper Laguna Madre^c | | | |
| 1979 (6) | 1.03 ± 0.37 | 0.13 ± 0.08 | 1.17 ± 0.38 |
| 1981 (30) | 2.07 ± 0.23 | 0.10 ± 0.04 | 2.17 ± 0.22 |
| 1982 (35) | 1.49 ± 0.20 | 0.37 ± 0.13 | 1.86 ± 0.21 |
| 1983 (1) | 0.00 | 0.00 | 0.00 |
| 1984 (1) | 0.00 | 0.06 | 0.06 ± 0.06 |

Table F.9. (Cont'd.).

| Bay system Year | Spotted seatrout | Other | Total |
|------------------------|---------------------|-------------|-------------|
| Lower Laguna Madre | | | |
| 1979 (10) | 1.26 ± 0.29 | 0.04 ± 0.02 | 1.31 ± 0.28 |
| 1981 (24) | 1.78 ± 0.23 | 0.05 ± 0.01 | 1.83 ± 0.22 |
| 1982 (39) | 2.04 ± 0.23 | 0.11 ± 0.04 | 2.14 ± 0.23 |
| 1983 (48) | 0.76 ± 0.32 | 0.12 | 0.88 ± 0.35 |
| 1984 (46) | 0.61 ± 0.31 | 0.08 | 0.68 ± 0.34 |
| Coastwide ^d | | | |
| 1979 (18) | 1.14 ± 0.31 | 0.09 ± 0.08 | 1.24 ± 0.31 |
| 1981 (67) | 1.79 ± 0.24 | 0.09 ± 0.04 | 1.88 ± 0.23 |
| 1982 (95) | 1.67 ± 0.27 | 0.24 ± 0.13 | 1.91 ± 0.29 |
| 1983 (79) | 0.91 ± 0.49 | 0.24 | 1.15 ± 0.63 |
| 1984 (65) | 0.46 ± 0.19 | 0.12 | 0.58 ± 0.22 |

^a1979-1982 data from McEachron (1984).

^bMatagorda and San Antonio data were combined during 1979-1982.

^cAransas, Corpus Christi, and Upper Laguna Madre data were combined during 1979-1982.

^dFor 1979-1982 coastwide means, Matagorda/San Antonio and Aransas/Corpus Christi/Upper Laguna Madre means are used as means for one combined area mean.

Table F.10. Annual mean weights of fishes (kg/fish) \pm 1 SE caught by party-boat fishermen in Texas bays and passes by species and bay system (1983-1985). Blank = no fish weighed.

| Species | Bay system | | | | | | | Coastwide | |
|-----------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|--------|-----------------|-----------------|
| | Year | Galveston | Matagorda | San | Aransas | Corpus | Upper | | Lower |
| | | | | Antonio | Christi | Laguna | Laguna | | |
| Day type | | | | | | Madre | Madre | | |
| Atlantic croaker | | | | | | | | | |
| 1983-84 | 0.24 | | | | 0.46 \pm <.01 | 0.30 \pm 0.02 | | 0.40 \pm 0.02 | 0.36 \pm 0.01 |
| 1984-85 | 0.14 | | | | | 0.31 | | 0.42 \pm 0.08 | 0.33 \pm 0.17 |
| Black drum | | | | | | | | | |
| 1983-84 | 1.21 | | | | 1.03 | 0.80 \pm 0.80 | | 2.05 \pm 0.21 | 1.41 \pm 0.52 |
| 1984-85 | 2.53 | 1.07 | 1.11 | 1.11 | 1.79 | | | 2.01 \pm 0.03 | 1.84 \pm 0.74 |
| Gafftopsail catfish | | | | | | | | | |
| 1983-84 | | 0.70 | | | | 1.76 \pm 0.01 | | 3.60 | 1.65 \pm 0.09 |
| 1984-85 | | | | | 0.72 | 0.67 | | | 0.72 |
| Red drum | | | | | | | | | |
| 1983-84 | 0.84 | 1.44 \pm 0.19 | 1.59 \pm 0.22 | 1.31 \pm 0.18 | 1.22 \pm 0.51 | | | 1.44 \pm 0.12 | 1.39 \pm 0.21 |
| 1984-85 | 2.99 \pm 0.30 | 2.17 \pm 0.27 | | 2.24 \pm 0.57 | 2.52 \pm 0.31 | | | 2.12 \pm 0.09 | 2.26 \pm 0.31 |
| Sand seatrout | | | | | | | | | |
| 1983-84 | 0.47 | 0.27 | 0.26 | 0.23 \pm 0.02 | 0.34 \pm 0.01 | | | 0.23 | 0.30 \pm 0.10 |
| 1984-85 | 0.23 | 0.41 | | | 0.32 \pm 0.03 | | | | 0.31 \pm 0.06 |
| Sheepshead | | | | | | | | | |
| 1983-84 | | | | | 0.68 | 0.96 \pm 0.17 | | 0.62 \pm 0.08 | 0.85 \pm 0.22 |
| 1984-85 | | | | | | | | 0.97 \pm 0.20 | 0.97 \pm 0.20 |
| Southern flounder | | | | | | | | | |
| 1983-84 | 0.45 \pm 0.16 | | | | 0.32 \pm 0.10 | 0.55 \pm 0.06 | | 0.72 \pm 0.05 | 0.64 \pm 0.06 |
| 1984-85 | | | | | 0.62 \pm 0.08 | 1.55 | | 0.57 \pm 0.08 | 0.84 \pm 0.47 |
| Spotted seatrout | | | | | | | | | |
| 1983-84 | 1.06 \pm 0.18 | 0.45 \pm 0.02 | 0.45 \pm 0.04 | 0.45 \pm 0.03 | 0.75 \pm 0.20 | | | 0.79 \pm 0.07 | 0.69 \pm 0.09 |
| 1984-85 | 0.92 \pm 0.01 | 1.19 | | 0.66 \pm 0.07 | 0.91 \pm 0.16 | | | 0.63 \pm 0.03 | 0.67 \pm 0.03 |
| All species combined ^a | | | | | | | | | |
| 1983-84 | 0.93 \pm 0.16 | 0.45 \pm 0.08 | 0.47 \pm 0.14 | 0.48 \pm 0.08 | 0.60 \pm 0.12 | | | 0.78 \pm 0.06 | 0.63 \pm 0.09 |
| 1984-85 | 1.27 \pm 0.27 | 1.52 \pm 0.21 | 1.10 \pm 1.10 | 1.76 \pm 0.55 | 1.42 \pm 0.23 | | | 0.90 \pm 0.09 | 1.05 \pm 0.17 |

^aIncludes "other" species

Table F.11. Mean weights of fishes (kg/fish) \pm 1 SE caught by party-boat fishermen in Texas bays and passes during the high-use season by species, day type and bay system (1983-1984). Blank = no fish weighed.

| Species | Year | Bay system | | | | | | | Coastwide |
|---------------------|---------|-----------------|-----------------|-----------------|-----------------|-----------------|--------------|-----------------|-----------------|
| | | Galveston | Matagorda | San | Aransas | Corpus | Upper | Lower | |
| | | | | Antonio | | Christi | Laguna Madre | Laguna Madre | |
| Day type | | | | | | | | | |
| Atlantic croaker | | | | | | | | | |
| 1983 | | | | | | | | | |
| | Weekend | | | | 0.47 | 0.30 \pm 0.02 | | | 0.36 \pm 0.19 |
| | Weekday | 0.24 | | | 0.40 | | | 0.40 \pm 0.02 | 0.34 \pm 0.14 |
| 1984 | | | | | | | | | |
| | Weekend | | | | | 0.31 | | | 0.31 |
| | Weekday | 0.14 | | | | | | 0.33 | 0.22 \pm 0.22 |
| Black drum | | | | | | | | | |
| 1983 | | | | | | | | | |
| | Weekend | | | | 1.03 | | | 0.21 | 0.43 \pm 0.43 |
| | Weekday | 1.21 | | | | 0.80 | | 1.97 \pm 0.41 | 0.88 \pm 0.78 |
| 1984 | | | | | | | | | |
| | Weekend | | 1.07 | 1.11 | | 1.79 | | 1.88 | 1.77 \pm 1.77 |
| | Weekday | 2.53 | | | 1.11 | | | 2.02 | 1.87 \pm 0.32 |
| Gafftopsail catfish | | | | | | | | | |
| 1983 | | | | | | | | | |
| | Weekend | | 0.70 | | | | | | 0.70 |
| | Weekday | | | | | 1.75 | | 3.60 | 1.76 \pm 1.76 |
| 1984 | | | | | | | | | |
| | Weekend | | | | | | | | |
| | Weekday | | | | 0.72 | 0.67 | | | 0.72 \pm 0.72 |
| Red drum | | | | | | | | | |
| 1983 | | | | | | | | | |
| | Weekend | | 1.10 | 1.70 \pm 0.15 | 1.90 \pm 0.19 | | | 0.98 \pm 0.08 | 1.24 \pm 0.37 |
| | Weekday | 0.84 | 1.54 \pm 0.18 | 0.78 | 1.28 \pm 0.21 | 1.22 \pm 0.51 | | 0.76 \pm 0.09 | 1.41 \pm 0.25 |
| 1984 | | | | | | | | | |
| | Weekend | | 2.41 | | 1.41 | 2.30 \pm 0.48 | | 1.97 \pm 0.08 | 1.88 \pm 0.80 |
| | Weekday | 2.99 \pm 0.30 | 1.51 \pm 0.32 | | 3.27 | 2.88 | | 2.21 \pm 0.08 | 2.46 \pm 0.84 |

Table F.11. (Cont'd.)

| Species | Bay system | | | | | | | | |
|--------------------------|------------|-------------|-------------|-------------|----------------|-------------|--------------------|--------------------|-------------|
| | Year | Galveston | | San Antonio | Corpus Christi | | Upper Laguna Madre | Lower Laguna Madre | Coastwide |
| | Day type | | | | | | | | |
| Sand seatrout | | | | | | | | | |
| 1983 | | | | | | | | | |
| | Weekend | | 0.27 | 0.26 | 0.44 | 0.36 ± 0.02 | | | 0.29 ± 0.22 |
| | Weekday | 0.47 | | | 0.22 ± 0.01 | 0.33 | | 0.23 | 0.30 ± 0.24 |
| 1984 | | | | | | | | | |
| | Weekend | | | | | 0.30 | | | 0.30 |
| | Weekday | 0.23 | 0.41 | | | 0.40 | | | 0.30 ± 0.30 |
| Sheepshead | | | | | | | | | |
| 1983 | | | | | | | | | |
| | Weekend | | | | 0.68 | | | 1.04 | 0.77 ± 0.77 |
| | Weekday | | | | | 0.96 ± 0.17 | | 0.59 ± 0.06 | 0.90 ± 0.15 |
| 1984 | | | | | | | | | |
| | Weekend | | | | | | | 1.62 | 1.62 |
| | Weekday | | | | | | | 0.80 ± 0.09 | 0.80 ± 0.09 |
| Southern flounder | | | | | | | | | |
| 1983 | | | | | | | | | |
| | Weekend | | | | | | | 0.72 ± 0.09 | 0.72 ± 0.09 |
| | Weekday | 0.45 ± 0.16 | | | 0.32 ± 0.10 | 0.55 ± 0.06 | | 0.73 ± 0.06 | 0.62 ± 0.07 |
| 1984 | | | | | | | | | |
| | Weekend | | | | 0.73 | 1.55 | | | 1.35 ± 1.35 |
| | Weekday | | | | 0.56 | | | 0.57 ± 0.08 | 0.57 ± 0.29 |
| Spotted seatrout | | | | | | | | | |
| 1983 | | | | | | | | | |
| | Weekend | 0.78 ± 0.06 | 0.44 ± 0.02 | 0.38 | 0.46 ± 0.08 | | | 0.78 ± 0.08 | 0.63 ± 0.08 |
| | Weekday | 1.27 ± 0.22 | 0.51 ± 0.02 | 0.50 ± 0.03 | 0.45 ± 0.02 | 0.75 ± 0.20 | | 0.76 ± 0.09 | 0.68 ± 0.11 |
| 1984 | | | | | | | | | |
| | Weekend | | 1.19 | | 0.70 | 1.09 ± 0.15 | | 0.58 ± 0.03 | 0.64 ± 0.06 |
| | Weekday | 0.92 ± 0.01 | | | 0.64 ± 0.12 | 0.72 ± 0.10 | | 0.61 ± 0.04 | 0.69 ± 0.04 |

Table F.11. (Cont'd.)

| Species | Bay system | | | | | | | Coastwide |
|-----------------------------------|-------------|-------------|-------------|-------------|----------------|--------------------|--------------------|-------------|
| | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | |
| Year | | | | | | | | |
| Day type | | | | | | | | |
| All species combined ^a | | | | | | | | |
| 1983 | | | | | | | | |
| Weekend | 0.74 ± 0.07 | 0.38 ± 0.04 | 0.52 ± 0.37 | 0.47 ± 0.10 | 0.28 ± 0.03 | | 0.73 ± 0.08 | 0.50 ± 0.07 |
| Weekday | 1.07 ± 0.24 | 0.80 ± 0.18 | 0.42 ± 0.04 | 0.49 ± 0.12 | 0.72 ± 0.12 | | 0.75 ± 0.08 | 0.68 ± 0.11 |
| 1984 | | | | | | | | |
| Weekend | | 1.70 ± 1.70 | 1.10 | 1.20 ± 1.20 | 1.49 ± 0.26 | | 0.83 ± 0.18 | 1.05 ± 0.35 |
| Weekday | 1.27 ± 0.27 | 1.00 ± <.01 | | 1.14 ± 0.76 | 1.33 ± 0.57 | | 0.96 ± 0.12 | 1.06 ± 0.23 |

^aIncludes "other" species.

Table F.12. Mean weights of fishes (kg/fish) \pm 1 SE caught by party-boat fishermen in Texas bays and passes during the low-use season by species, day type and bay system (1983-1985). Blank = no fish weighed.

| Species | Year | Bay system | | | | | | |
|---------------------|---------|------------|-----------|---------|---------|---------|-----------------|-----------------|
| | | Galveston | Matagorda | San | Aransas | Corpus | Upper | Lower |
| | | | | Antonio | | Christi | Laguna | Laguna |
| Day type | | | | | Madre | Madre | Coastwide | |
| Atlantic croaker | | | | | | | | |
| | 1983-84 | | | | | | | |
| | Weekend | | | | | | | |
| | Weekday | | | | | | | |
| | 1984-85 | | | | | | | |
| | Weekend | | | | | | 0.50 | 0.50 |
| | Weekday | | | | | | | |
| Black drum | | | | | | | | |
| | 1983-84 | | | | | | | |
| | Weekend | | | | | | 2.30 \pm 0.02 | 2.30 \pm 0.02 |
| | Weekday | | | | | | 1.62 \pm 0.38 | 1.62 \pm 0.38 |
| | 1984-85 | | | | | | | |
| | Weekend | | | | | | | |
| | Weekday | | | | | | | |
| Gafftopsail catfish | | | | | | | | |
| | 1983-84 | | | | | | | |
| | Weekend | | | | | | | |
| | Weekday | | | | | 1.77 | | 1.77 |
| | 1984-85 | | | | | | | |
| | Weekend | | | | | | | |
| | Weekday | | | | | | | |
| Red drum | | | | | | | | |
| | 1983-84 | | | | | | | |
| | Weekend | | | | | | | |
| | Weekday | | | | | | 1.52 \pm 0.17 | 1.52 \pm 0.17 |
| | 1984-85 | | | | | | | |
| | Weekend | | | | | | 1.61 \pm 0.78 | 1.61 \pm 0.78 |
| | Weekday | | | | 2.82 | | 2.06 \pm 0.85 | 2.50 \pm 2.00 |

Table F.12. (Cont'd.)

| Species | Bay system | | | | | | | | |
|-------------------|------------|-----------|-----------|---------|---------|---------|-------------|-------------|-----------|
| | Year | Galveston | Matagorda | San | Aransas | Corpus | Upper | Lower | Coastwide |
| | Day type | | | Antonio | | Christi | Laguna | Laguna | |
| | | | | | | Madre | Madre | | |
| Sand seatrout | | | | | | | | | |
| 1983-84 | | | | | | | | | |
| | Weekend | | | | | | | | |
| | Weekday | | | | | | | | |
| 1984-85 | | | | | | | | | |
| | Weekend | | | | | | | | |
| | Weekday | | | | | | | | |
| Sheepshead | | | | | | | | | |
| 1983-84 | | | | | | | | | |
| | Weekend | | | | | | | | |
| | Weekday | | | | | | 0.44 | 0.44 | |
| 1984-85 | | | | | | | | | |
| | Weekend | | | | | | 0.82 ± 0.46 | 0.82 ± 0.46 | |
| | Weekday | | | | | | | | |
| Southern flounder | | | | | | | | | |
| 1983-84 | | | | | | | | | |
| | Weekend | | | | | | | | |
| | Weekday | | | | | | | | |
| 1984-85 | | | | | | | | | |
| | Weekend | | | | | | 0.50 | 0.50 | |
| | Weekday | | | | | | | | |
| Spotted seatrout | | | | | | | | | |
| 1983-84 | | | | | | | | | |
| | Weekend | | | | | | 1.07 ± 0.07 | 1.07 ± 0.07 | |
| | Weekday | | | | | | 0.72 ± 0.07 | 0.72 ± 0.07 | |
| 1984-85 | | | | | | | | | |
| | Weekend | | | | | | 0.68 ± 0.03 | 0.68 ± 0.03 | |
| | Weekday | | | | | | 0.78 ± 0.13 | 0.78 ± 0.13 | |

Table F.12. (Cont'd.)

| Species | Bay system | | | | | | | | |
|-----------------------------------|------------|-----------|---------|-------------|-------------|--------|-------------|-------------|-----------|
| | | | San | | | Corpus | Upper | Lower | Coastwide |
| | Year | Galveston | Antonio | Aransas | Christi | Laguna | Laguna | | |
| Day type | | | | | Madre | Madre | | | |
| All species combined ^a | | | | | | | | | |
| 1983-84 | | | | | | | | | |
| Weekend | | | | | | | 1.18 ± 0.13 | 1.18 ± 0.13 | |
| Weekday | | | | | 1.70 ± 1.70 | | 0.83 ± 0.03 | 0.86 ± 0.09 | |
| 1984-85 | | | | | | | | | |
| Weekend | | | | | | | 0.67 ± 0.07 | 0.67 ± 0.07 | |
| Weekday | | | | 2.80 ± 2.80 | | | 1.00 ± 0.33 | 1.23 ± 0.65 | |

^aIncludes "other" species.

Table F.13. Annual mean total lengths of fishes (mm/fish) \pm 1 SE caught by party-boat fishermen in Texas bays and passes by species and bay system (1983-1985). Blank = no fish measured.

| Species | Bay system | | | | | | | Coastwide |
|---|--------------|--------------|--------------|--------------|----------------|--------------------|--------------------|---------------|
| | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | |
| Atlantic croaker | | | | | | | | |
| 1983-84 | 265 | | | 326 \pm 1 | 281 \pm 7 | | 310 \pm 8 | 298 \pm 20 |
| 1984-85 | 226 | | | | 287 | | 315 \pm 20 | 289 \pm 102 |
| Black drum | | | | | | | | |
| 1983-84 | 442 | | | 419 | 375 | | 516 \pm 23 | 445 \pm 137 |
| 1984-85 | 565 | 425 | 429 | 430 | 503 | | 511 \pm 1 | 499 \pm 139 |
| Gafftopsail catfish | | | | | | | | |
| 1983-84 | | 424 | | | 566 \pm 1 | | 710 | 551 \pm 50 |
| 1984-85 | | | | 430 | 420 | | | 429 \pm 376 |
| Red drum | | | | | | | | |
| 1983-84 | 430 | 502 \pm 16 | 520 \pm 25 | 486 \pm 18 | 476 \pm 70 | | 501 \pm 13 | 495 \pm 20 |
| 1984-85 | 647 \pm 19 | 581 \pm 26 | | 583 \pm 51 | 609 \pm 27 | | 570 \pm 8 | 584 \pm 19 |
| Sand seatrout | | | | | | | | |
| 1983-84 | 352 | 293 | 290 | 278 \pm 6 | 315 \pm 4 | | 281 | 301 \pm 107 |
| 1984-85 | 281 | 336 | | | 309 \pm 9 | | | 308 \pm 22 |
| Sheepshead | | | | | | | | |
| 1983-84 | | | | 337 | 376 \pm 20 | | 325 \pm 14 | 359 \pm 52 |
| 1984-85 | | | | | | | 374 \pm 26 | 374 \pm 26 |
| Southern flounder | | | | | | | | |
| 1983-84 | 336 \pm 40 | | | 300 \pm 35 | 361 \pm 13 | | 390 \pm 8 | 375 \pm 8 |
| 1984-85 | | | | 374 \pm 16 | 506 | | 363 \pm 16 | 404 \pm 97 |
| Spotted seatrout | | | | | | | | |
| 1983-84 | 474 \pm 24 | 364 \pm 4 | 362 \pm 11 | 359 \pm 8 | 410 \pm 34 | | 421 \pm 11 | 402 \pm 11 |
| 1984-85 | 450 \pm 4 | 499 | | 412 \pm 14 | 451 \pm 26 | | 401 \pm 4 | 408 \pm 3 |
| All species combined^a | | | | | | | | |
| 1983-84 | 454 \pm 19 | 435 \pm 44 | 378 \pm 19 | 363 \pm 13 | 367 \pm 27 | | 420 \pm 9 | 394 \pm 14 |
| 1984-85 | 478 \pm 31 | 510 \pm 30 | 368 | 532 \pm 55 | 497 \pm 31 | | 434 \pm 9 | 450 \pm 12 |

^aIncludes "other" species

Table F.14. Mean total lengths of fishes (mm/fish) \pm 1 SE caught by party-boat fishermen in Texas bays and passes during the high-use season by species, day type and bay system (1983-1984). Blank = no fish measured.

| Species | Bay system | | | | | | | | |
|----------------------------|------------|--------------|--------------|--------------|--------------|----------------|--------------------|--------------------|---------------|
| | Year | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | Coastwide |
| | Day type | | | | | | | | |
| Atlantic croaker | | | | | | | | | |
| 1983 | | | | | | | | | |
| | Weekend | | | | 326 | 281 \pm 7 | | | 298 \pm 92 |
| | Weekday | 265 | | | 312 | | | 310 \pm 8 | 293 \pm 29 |
| 1984 | | | | | | | | | |
| | Weekend | | | | | 287 | | | 287 |
| | Weekday | 226 | | | | | | 295 | 255 \pm 180 |
| Black drum | | | | | | | | | |
| 1983 | | | | | | | | | |
| | Weekend | | | | 419 | | | 245 | 292 \pm 169 |
| | Weekday | 442 | | | | 375 | | 515 \pm 34 | 385 \pm 331 |
| 1984 | | | | | | | | | |
| | Weekend | | 425 | 429 | | 503 | | 512 | 483 \pm 452 |
| | Weekday | 565 | | | 430 | | | 511 \pm 0 | 501 \pm 57 |
| Gafftopsail catfish | | | | | | | | | |
| 1983 | | | | | | | | | |
| | Weekend | | 424 | | | | | | 424 |
| | Weekday | | | | | 565 | | 710 | 568 |
| 1984 | | | | | | | | | |
| | Weekend | | | | | | | | |
| | Weekday | | | | 430 | 420 | | | 429 \pm 376 |
| Red drum | | | | | | | | | |
| 1983 | | | | | | | | | |
| | Weekend | | 469 | 532 \pm 16 | 562 \pm 19 | | | 446 \pm 12 | 479 \pm 92 |
| | Weekday | 430 | 512 \pm 14 | 420 | 482 \pm 22 | 476 \pm 70 | | 509 \pm 15 | 496 \pm 29 |
| 1984 | | | | | | | | | |
| | Weekend | | 605 | | 509 | 592 \pm 42 | | 561 \pm 8 | 553 \pm 194 |
| | Weekday | 647 \pm 19 | 517 \pm 38 | | 663 | 639 | | 578 \pm 8 | 600 \pm 101 |

Table F.14. (Cont'd)

| Species | Bay system | | | | | | | | |
|--------------------------|------------|-----------|-----------|-------------|----------|----------------|--------------------|--------------------|-----------|
| | Year | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | Coastwide |
| | Day type | | | | | | | | |
| Sand seatrout | | | | | | | | | |
| 1983 | | | | | | | | | |
| | Weekend | | 293 | 290 | 344 | 320 ± 4 | | | 300 ± 189 |
| | Weekday | 352 | | | 275 ± 5 | 309 | | 281 | 299 ± 223 |
| 1984 | | | | | | | | | |
| | Weekend | | | | | 304 | | | 304 |
| | Weekday | 281 | 336 | | | 335 | | | 302 ± 244 |
| Sheepshead | | | | | | | | | |
| 1983 | | | | | | | | | |
| | Weekend | | | | 337 | | | 392 | 351 ± 278 |
| | Weekday | | | | | 376 ± 20 | | 320 ± 11 | 366 ± 16 |
| 1984 | | | | | | | | | |
| | Weekend | | | | | | | 458 | 458 |
| | Weekday | | | | | | | 356 ± 14 | 356 ± 14 |
| Southern flounder | | | | | | | | | |
| 1983 | | | | | | | | | |
| | Weekend | | | | | | | 390 ± 15 | 480 ± 15 |
| | Weekday | 336 ± 40 | | | 300 ± 35 | 361 ± 13 | | 390 ± 9 | 369 ± 10 |
| 1984 | | | | | | | | | |
| | Weekend | | | | 398 | 506 | | | 470 ± 273 |
| | Weekday | | | | 363 | | | 364 ± 18 | 363 ± 105 |
| Spotted seatrout | | | | | | | | | |
| 1983 | | | | | | | | | |
| | Weekend | 435 ± 11 | 362 ± 3 | 343 | 359 ± 20 | | | 425 ± 15 | 396 ± 15 |
| | Weekday | 504 ± 24 | 376 ± 4 | 374 ± 4 | 359 ± 6 | 410 ± 34 | | 415 ± 16 | 400 ± 14 |
| 1984 | | | | | | | | | |
| | Weekend | | 499 | | 419 | 480 ± 23 | | 392 ± 7 | 403 ± 8 |
| | Weekday | 450 ± 4 | | | 406 ± 24 | 418 ± 14 | | 397 ± 6 | 410 ± 4 |

Table F.14. (Cont'd)

| Species | Bay system | | | | | | | | |
|-----------------------------------|------------|-----------|-----------|----------|----------|----------|--------|----------|-----------|
| | | | San | | | Corpus | Upper | Lower | Coastwide |
| | Year | Galveston | Matagorda | Antonio | Aransas | Christi | Laguna | Laguna | |
| Day type | | | | | | Madre | Madre | | |
| All species combined ^a | | | | | | | | | |
| 1983 | | | | | | | | | |
| | Weekend | 435 ± 11 | 438 ± 58 | 382 ± 50 | 361 ± 21 | 286 ± 6 | | 422 ± 14 | 381 ± 18 |
| | Weekday | 468 ± 31 | 420 ± 23 | 375 ± 6 | 364 ± 18 | 401 ± 22 | | 412 ± 12 | 398 ± 14 |
| 1984 | | | | | | | | | |
| | Weekend | | 542 | 368 | 478 | 506 ± 41 | | 430 ± 22 | 457 ± 59 |
| | Weekday | 478 ± 31 | 444 ± 6 | | 453 ± 84 | 484 ± 66 | | 437 ± 12 | 450 ± 15 |

^aIncludes "other" species

Table F.15. Mean total lengths of fishes (mm/fish) \pm 1 SE caught by party-boat fishermen in Texas bays and passes during the low-use season by species, day type and bay system (1983-1985). Blank = no fish measured.

| Species | Year | Day type | Bay system | | | | | | | |
|----------------------------|---------|----------|------------|-----------|-------------|---------|----------------|--------------------|--------------------|-----------|
| | | | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | Coastwide |
| | | | | | | | | | | |
| Atlantic croaker | | | | | | | | | | |
| | 1983-84 | | | | | | | | | |
| | Weekend | | | | | | | | | |
| | Weekday | | | | | | | | | |
| | 1984-85 | | | | | | | | | |
| | Weekend | | | | | | | 335 | 335 | |
| | Weekday | | | | | | | | | |
| Black drum | | | | | | | | | | |
| | 1983-84 | | | | | | | | | |
| | Weekend | | | | | | | 543 \pm 1 | 543 \pm 1 | |
| | Weekday | | | | | | | 482 \pm 43 | 482 \pm 43 | |
| | 1984-85 | | | | | | | | | |
| | Weekend | | | | | | | | | |
| | Weekday | | | | | | | | | |
| Gafftopsail catfish | | | | | | | | | | |
| | 1983-84 | | | | | | | | | |
| | Weekend | | | | | | | | | |
| | Weekday | | | | | 569 | | | 569 | |
| | 1984-85 | | | | | | | | | |
| | Weekend | | | | | | | | | |
| | Weekday | | | | | | | | | |
| Red drum | | | | | | | | | | |
| | 1983-84 | | | | | | | | | |
| | Weekend | | | | | | | | | |
| | Weekday | | | | | | | 520 \pm 20 | 520 \pm 20 | |
| | 1984-85 | | | | | | | | | |
| | Weekend | | | | | | | 519 \pm 85 | 519 \pm 85 | |
| | Weekday | | | | 636 | | | 557 \pm 74 | 604 \pm 286 | |

Table F.15. (Cont'd)

| Species | Bay system | | | | | | | | |
|--------------------------|------------|-----------|-----------|-------------|---------|----------------|--------------------|--------------------|-----------|
| | Year | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | Coastwide |
| | Day type | | | | | | | | |
| Sand seatrout | | | | | | | | | |
| | 1983-84 | | | | | | | | |
| | Weekend | | | | | | | | |
| | Weekday | | | | | | | | |
| | 1984-85 | | | | | | | | |
| | Weekend | | | | | | | | |
| | Weekday | | | | | | | | |
| Sheepshead | | | | | | | | | |
| | 1983-84 | | | | | | | | |
| | Weekend | | | | | | | | |
| | Weekday | | | | | | | 290 | 290 |
| | 1984-85 | | | | | | | | |
| | Weekend | | | | | | | 346 ± 77 | 346 ± 77 |
| | Weekday | | | | | | | | |
| Southern flounder | | | | | | | | | |
| | 1983-84 | | | | | | | | |
| | Weekend | | | | | | | | |
| | Weekday | | | | | | | | |
| | 1984-85 | | | | | | | | |
| | Weekend | | | | | | | 353 | 353 |
| | Weekday | | | | | | | | |
| Spotted seatrout | | | | | | | | | |
| | 1983-84 | | | | | | | | |
| | Weekend | | | | | | | 465 ± 10 | 465 ± 10 |
| | Weekday | | | | | | | 414 ± 14 | 414 ± 14 |
| | 1984-85 | | | | | | | | |
| | Weekend | | | | | | | 411 ± 4 | 411 ± 4 |
| | Weekday | | | | | | | 428 ± 20 | 428 ± 20 |

Table F.15. (Cont'd)

| Species | Bay system | | | | | | | |
|-----------------------------------|------------|-----------|-------------|---------|----------------|--------------------|--------------------|-----------|
| | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre | Coastwide |
| All species combined ^a | | | | | | | | |
| 1983-84 | | | | | | | | |
| Weekend | | | | | | | 474 ± 6 | 474 ± 6 |
| Weekday | | | | | 569 | | 428 ± 6 | 432 ± 14 |
| 1984-85 | | | | | | | | |
| Weekend | | | | | | | 411 ± 8 | 411 ± 8 |
| Weekday | | | | 636 | | | 456 ± 36 | 480 ± 4 |

^aIncludes "other" species

Table F.16. Percent composition of "other" species caught by party-boat fishermen in Texas bays and passes by bay system, season and day type (1983 - 1985).

| Year | Season | Day type | Common name | Scientific name | Bay system | | | | | | |
|----------|---------|----------|-------------------|---------------------------------|------------|-----------|-------------|---------|----------------|--------------------|--------------------|
| | | | | | Galveston | Matagorda | San Antonio | Aransas | Corpus Christi | Upper Laguna Madre | Lower Laguna Madre |
| 1983-84 | | | | | | | | | | | |
| High use | | | | | | | | | | | |
| | Weekend | | Bluntnose jack | <u>Hemicaranx amblyhynchus</u> | | | | | 33.33 | | 15.38 |
| | | | Crevalle jack | <u>Caranx hippos</u> | | | | | 16.67 | | 7.69 |
| | | | Gray triggerfish | <u>Balistes capriscus</u> | | | | | 16.67 | | 7.69 |
| | | | Ladyfish | <u>Elops saurus</u> | | | | | 16.67 | | 7.69 |
| | | | Seabasses sp. | | | | | | | | |
| | | | Warsaw | <u>Epinephelus nigritus</u> | | | | | 33.33 | | 7.69 |
| | | | Sharks sp. | | | | | | | | |
| | | | Blacktip shark | <u>Carcharhinus limbatus</u> | | | | | 33.33 | | 7.69 |
| | | | Snapper sp. | | | | | | | | |
| | | | Lane snapper | <u>Lutjanus synagris</u> | | | | | 33.33 | | 7.69 |
| | | | Spot | <u>Leiostomus xanthurus</u> | | | | | | 16.67 | 7.69 |
| | | | Tripletail | <u>Lobotes surinamensis</u> | | 100.00 | | | | | 30.77 |
| | Weekday | | Gulf flounder | <u>Parlichthys albigutta</u> | | | | | | 100.00 | 13.33 |
| | | | Southern kingfish | <u>Menticirrhus americanus</u> | | 100.00 | | 100.00 | | | 86.67 |
| Low use | | | | | | | | | | | |
| | Weekend | | Ladyfish | <u>Elops saurus</u> | | | | | | | 100.00 |
| 1984-85 | | | | | | | | | | | |
| High use | | | | | | | | | | | |
| | Weekend | | Southern kingfish | <u>Menticirrhus americanus</u> | | | | | 100.00 | | 100.00 |
| | Weekday | | Crevalle jack | <u>Caranx hippos</u> | 100.00 | | | | | | 33.33 |
| | | | Southern kingfish | <u>Menticirrhus americanus</u> | | | | | 100.00 | | 66.67 |
| Low use | | | | | | | | | | | |
| | Weekend | | Pigfish | <u>Orthopristis chrysoptera</u> | | | | | | | 100.00 |

Table F.17. Percent composition of the annual residential origin of party-boat fishermen in Texas bays and passes by bay system (1983-85).

| Bay system Year | Adjacent coastal counties | Non-adjacent coastal counties | Non-coastal counties | Other states and countries |
|--------------------|---------------------------|-------------------------------|----------------------|----------------------------|
| Galveston | | | | |
| 1983-84 | 85 | 0 | 15 | 0 |
| 1984-85 | 100 | 0 | 0 | 0 |
| Matagorda | | | | |
| 1983-84 | 31 | 48 | 21 | 0 |
| 1984-85 | 11 | 44 | 0 | 44 |
| San Antonio | | | | |
| 1983-84 | 28 | 44 | 28 | 0 |
| 1984-85 | 0 | 70 | 30 | 0 |
| Aransas | | | | |
| 1983-84 | 10 | 28 | 60 | 3 |
| 1984-85 | 19 | 19 | 53 | 9 |
| Corpus Christi | | | | |
| 1983-84 | 14 | 9 | 77 | 0 |
| 1984-85 | 18 | 0 | 82 | 0 |
| Upper Laguna Madre | | | | |
| 1983-84 | 33 | 0 | 67 | 0 |
| 1984-85 | 50 | 0 | 0 | 50 |
| Lower Laguna Madre | | | | |
| 1983-84 | 22 | 22 | 46 | 10 |
| 1984-85 | 32 | 21 | 37 | 9 |
| Coastwide | | | | |
| 1983-84 | 23 | 23 | 47 | 7 |
| 1984-85 | 32 | 19 | 40 | 9 |

Table F.18. Percent composition of the residential origin of party-boat fishermen in Texas bays and passes during the high-use season by bay system and day type (1983-1984). Blank = no fishermen interviewed.

| Bay system Year | Weekend | | | | Weekday | | | |
|--------------------|---------------------------|-------------------------------|----------------------|------------------------|---------------------------|-------------------------------|----------------------|------------------------|
| | Adjacent coastal counties | Non-adjacent coastal counties | Non-coastal counties | Other states/countries | Adjacent coastal counties | Non-adjacent coastal counties | Non-coastal counties | Other states/countries |
| Galveston | | | | | | | | |
| 1983 | 100 | 0 | 0 | 0 | 80 | 0 | 20 | 0 |
| 1984 | | | | | 100 | 0 | 0 | 0 |
| Matagorda | | | | | | | | |
| 1983 | 21 | 64 | 14 | 0 | 50 | 14 | 36 | 0 |
| 1984 | 0 | 100 | 0 | 0 | 20 | 0 | 0 | 80 |
| San Antonio | | | | | | | | |
| 1983 | 36 | 18 | 45 | 0 | 14 | 86 | 0 | 0 |
| 1984 | 0 | 0 | 100 | 0 | 0 | 100 | 0 | 0 |
| Aransas | | | | | | | | |
| 1983 | 1 | 24 | 74 | 0 | 14 | 30 | 51 | 5 |
| 1984 | 23 | 0 | 77 | 0 | 0 | 60 | 10 | 30 |
| Corpus Christi | | | | | | | | |
| 1983 | 0 | 20 | 80 | 0 | 10 | 5 | 85 | 0 |
| 1984 | 20 | 0 | 80 | 0 | 11 | 0 | 89 | 0 |
| Upper Laguna Madre | | | | | | | | |
| 1983 | 50 | 0 | 50 | 0 | | | | |
| 1984 | | | | | 50 | 0 | 0 | 50 |
| Lower Laguna Madre | | | | | | | | |
| 1983 | 18 | 33 | 47 | 2 | 24 | 21 | 47 | 9 |
| 1984 | 42 | 18 | 39 | 1 | 28 | 25 | 34 | 13 |
| Coastwide | | | | | | | | |
| 1983 | 19 | 33 | 48 | 1 | 25 | 21 | 47 | 6 |
| 1984 | 33 | 14 | 53 | 1 | 33 | 25 | 30 | 13 |

Table F.19. Percent composition of the residential origin of party-boat fishermen in Texas bays and passes during the low-use season by bay system and day type (1983-1985). Blank = no fishermen interviewed.

| Bay system Year | Weekend | | | | Weekday | | | |
|--------------------|---------------------------|-------------------------------|----------------------|------------------------|---------------------------|-------------------------------|----------------------|------------------------|
| | Adjacent coastal counties | Non-adjacent coastal counties | Non-coastal counties | Other states/countries | Adjacent coastal counties | Non-adjacent coastal counties | Non-coastal counties | Other states/countries |
| Galveston | | | | | | | | |
| 1983-84 | | | | | | | | |
| 1984-85 | | | | | | | | |
| Matagorda | | | | | | | | |
| 1983-84 | | | | | | | | |
| 1984-85 | | | | | | | | |
| San Antonio | | | | | | | | |
| 1983-84 | | | | | | | | |
| 1984-85 | | | | | | | | |
| Aransas | | | | | | | | |
| 1983-84 | | | | | | | | |
| 1984-85 | 33 | 0 | 67 | 0 | 33 | 0 | 67 | 0 |
| Corpus Christi | | | | | | | | |
| 1983-84 | | | | | 60 | 0 | 40 | 0 |
| 1984-85 | | | | | | | | |
| Upper Laguna Madre | | | | | | | | |
| 1983-84 | | | | | 0 | 0 | 100 | 0 |
| 1984-85 | | | | | | | | |
| Lower Laguna Madre | | | | | | | | |
| 1983-84 | 41 | 12 | 47 | 0 | 14 | 0 | 35 | 51 |
| 1984-85 | 29 | 17 | 45 | 10 | 34 | 14 | 41 | 10 |
| Coastwide | | | | | | | | |
| 1983-84 | 41 | 12 | 47 | 0 | 18 | 0 | 39 | 43 |
| 1984-85 | 29 | 16 | 47 | 9 | 34 | 11 | 46 | 9 |

Table F.20. Mean fishing-party size (No. of fishermen) and mean trip length (h) for party-boat fishermen in Texas bays and passes by bay system, season and day type (1983-1985). Blank = no fishermen interviewed.

| Bay system | Mean fishing-party size | | | | | Mean trip length | | | | |
|--------------------|-------------------------|---------|----------------|---------|--------|------------------|---------|----------------|---------|--------|
| | High-use season | | Low-use season | | Annual | High-use season | | Low-use season | | Annual |
| | Weekend | Weekday | Weekend | Weekday | | Weekend | Weekday | Weekend | Weekday | |
| Galveston | | | | | | | | | | |
| 1983-84 | 3.5 | 3.3 | | | 3.4 | 6.8 | 7.2 | | | 7.1 |
| 1984-85 | | 3.8 | | | 3.8 | | 7.4 | | | 7.4 |
| Matagorda | | | | | | | | | | |
| 1983-84 | 4.7 | 3.5 | | | 4.2 | 5.8 | 4.1 | | | 5.2 |
| 1984-85 | 4.0 | 2.5 | | | 3.0 | 6.5 | 6.0 | | | 6.2 |
| San Antonio | | | | | | | | | | |
| 1983-84 | 3.7 | 3.5 | | | 3.6 | 9.2 | 6.5 | | | 8.1 |
| 1984-85 | 3.0 | 3.5 | | | 3.3 | 4.5 | 4.5 | | | 4.5 |
| Aransas | | | | | | | | | | |
| 1983-84 | 3.5 | 4.2 | | | 3.9 | 5.0 | 4.9 | | | 4.9 |
| 1984-85 | 3.2 | 3.3 | 3.0 | 3.0 | 3.2 | 5.0 | 6.3 | 4.5 | 5.2 | 5.4 |
| Corpus Christi | | | | | | | | | | |
| 1983-84 | 2.5 | 3.3 | | 5.0 | 3.2 | 5.9 | 7.8 | | 4.0 | 6.7 |
| 1984-85 | 3.9 | 3.0 | | | 3.7 | 5.9 | 6.8 | | | 6.2 |
| Upper Laguna Madre | | | | | | | | | | |
| 1983-84 | 4.0 | | | 2.0 | 3.0 | 2.0 | | | 2.0 | 2.0 |
| 1984-85 | | 2.0 | | | 2.0 | | 8.0 | | | 8.0 |
| Lower Laguna Madre | | | | | | | | | | |
| 1983-84 | 3.4 | 3.2 | 3.4 | 2.8 | 3.2 | 7.4 | 6.2 | 5.6 | 4.0 | 6.2 |
| 1984-85 | 3.5 | 3.8 | 3.8 | 3.2 | 3.6 | 5.4 | 5.6 | 5.1 | 5.3 | 5.5 |
| Coastwide | | | | | | | | | | |
| 1983-84 | 3.5 | 3.4 | 3.4 | 2.9 | 3.4 | 6.7 | 6.1 | 5.6 | 3.8 | 6.1 |
| 1984-85 | 3.5 | 3.6 | 3.8 | 3.2 | 3.6 | 5.5 | 5.9 | 5.0 | 5.3 | 5.7 |

Appendix G: Estimates for headboat fishing in Texas bays and passes.

Table G.1. Number of days surveyed and number of headboat fishermen interviewed () in Texas bays and passes by season, day type and area (1983-1985). WE = weekend days. WD = weekdays.

| Year Season Day type | Area | | | | |
|----------------------------|-----------|-----------|----------------|--------------------|-----------|
| | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide |
| 1983-84 | | | | | |
| High use | | | | | |
| WE | 8 (315) | 7 (321) | 6 (152) | 21 (788) | |
| WD | 10 (413) | 13 (217) | 14 (185) | 37 (815) | |
| Low use | | | | | |
| WE | 6 (99) | 7 (174) | 6 (88) | 19 (361) | |
| WD | 14 (206) | 13 (136) | 14 (153) | 41 (495) | |
| Annual | 38(1033) | 40 (848) | 40 (578) | 118(2459) | |
| 1984-85 | | | | | |
| High use | | | | | |
| WE | 7 (332) | 7 (206) | 7 (116) | 21 (654) | |
| WD | 14 (492) | 13 (211) | 14 (250) | 41 (953) | |
| Low use | | | | | |
| WE | 7 (329) | 7 (172) | 7 (67) | 21 (568) | |
| WD | 13 (258) | 14 (161) | 14 (166) | 41 (585) | |
| Annual | 41(1411) | 41 (750) | 42 (599) | 124(2760) | |

Table G.2. Pressure estimates (man-h x 1000) \pm 1 SE for headboat fishermen in Texas bays and passes by season, day type and area (1983-1985).

| Area Year | High-use season | | Low-use season | | Annual ^a |
|------------------------------|-----------------|-----------------|----------------|----------------|---------------------|
| | Weekend | Weekday | Weekend | Weekday | |
| Galveston | | | | | |
| 1983-84 | 31.6 \pm 15.0 | 31.7 \pm 11.0 | 5.7 \pm 2.1 | 4.4 \pm 2.5 | 73.4 \pm 18.9 |
| 1984-85 | 35.2 \pm 19.7 | 16.2 \pm 3.7 | 6.6 \pm 2.2 | 3.4 \pm 1.2 | 61.3 \pm 20.2 |
| Corpus Christi | | | | | |
| 1983-84 | 40.9 \pm 11.9 | 27.1 \pm 9.3 | 9.2 \pm 1.4 | 4.0 \pm 1.3 | 81.2 \pm 15.2 |
| 1984-85 | 15.5 \pm 3.6 | 17.3 \pm 5.6 | 8.0 \pm 3.0 | 2.9 \pm 0.9 | 43.7 \pm 7.3 |
| Lower Laguna Madre | | | | | |
| 1983-84 | 10.4 \pm 3.3 | 18.0 \pm 4.3 | 1.3 \pm 0.6 | 4.6 \pm 1.3 | 34.3 \pm 5.6 |
| 1984-85 | 4.6 \pm 1.6 | 14.9 \pm 3.2 | 3.1 \pm 1.2 | 6.5 \pm 2.1 | 29.0 \pm 4.3 |
| Coastwide^a | | | | | |
| 1983-84 | 82.9 \pm 19.4 | 76.8 \pm 15.0 | 16.2 \pm 2.6 | 13.0 \pm 3.1 | 188.9 \pm 24.9 |
| 1984-85 | 55.2 \pm 20.1 | 48.3 \pm 7.4 | 17.6 \pm 3.9 | 12.8 \pm 2.6 | 134.0 \pm 21.9 |

^aDue to rounding of numbers, these totals may not exactly equal individual totals.

Table G.3. Annual estimated landings of fishes (No. x 1000) \pm 1 SE caught by headboat fishermen in Texas bays and passes by species and area (1983-1985).

| Species Year | Area | | | |
|-----------------------------------|-----------------|----------------|--------------------|------------------------|
| | Galveston | Corpus Christi | Lower Laguna Madre | Coastwide ^a |
| Atlantic croaker | | | | |
| 1983-84 | 22.3 \pm 10.4 | 0.6 \pm 0.3 | 0.9 \pm 0.4 | 23.8 \pm 10.4 |
| 1984-85 | 12.2 \pm 4.4 | <.1 \pm <.1 | 0.2 \pm 0.1 | 12.4 \pm 4.4 |
| Black drum | | | | |
| 1983-84 | 2.6 \pm 0.8 | 0.3 \pm 0.2 | <.1 \pm <.1 | 2.9 \pm 0.8 |
| 1984-85 | 1.3 \pm 0.5 | 0.1 \pm <.1 | 0.0 | 1.3 \pm 0.5 |
| Gafftopsail catfish | | | | |
| 1983-84 | 0.7 \pm 0.5 | 0.9 \pm 0.3 | 0.0 | 1.6 \pm 0.6 |
| 1984-85 | 0.2 \pm 0.1 | 0.9 \pm 0.4 | 0.0 | 1.1 \pm 0.4 |
| Red drum | | | | |
| 1983-84 | <.1 \pm <.1 | 0.0 | 0.0 | <.1 \pm <.1 |
| 1984-85 | <.1 \pm <.1 | 0.0 | 0.0 | <.1 \pm <.1 |
| Sand seatrout | | | | |
| 1983-84 | 26.7 \pm 10.6 | 40.4 \pm 8.5 | 8.8 \pm 2.4 | 75.9 \pm 13.8 |
| 1984-85 | 23.7 \pm 10.5 | 6.0 \pm 2.0 | 19.1 \pm 4.6 | 48.8 \pm 11.6 |
| Sheepshead | | | | |
| 1983-84 | 0.1 \pm <.1 | 0.0 | 0.3 \pm 0.1 | 0.3 \pm 0.1 |
| 1984-85 | <.1 \pm <.1 | 0.0 | 1.0 \pm 0.9 | 1.1 \pm 0.9 |
| Southern flounder | | | | |
| 1983-84 | 0.1 \pm <.1 | <.1 \pm <.1 | 0.0 | 0.1 \pm <.1 |
| 1984-85 | <.1 \pm <.1 | <.1 \pm <.1 | <.1 \pm <.1 | 0.1 \pm <.1 |
| Spotted seatrout | | | | |
| 1983-84 | 0.0 | 4.5 \pm 3.6 | 0.2 \pm 0.1 | 4.7 \pm 3.6 |
| 1984-85 | 0.0 | 0.2 \pm 0.2 | 0.3 \pm 0.1 | 0.4 \pm 0.2 |
| Other species | | | | |
| 1983-84 | 12.1 | 3.4 | 6.5 | 22.0 |
| 1984-85 | 3.1 | 1.5 | 4.7 | 9.3 |
| All species combined ^a | | | | |
| 1983-84 | 64.6 \pm 17.9 | 50.2 \pm 8.9 | 16.6 \pm 3.8 | 131.3 \pm 20.4 |
| 1984-85 | 40.6 \pm 13.6 | 8.7 \pm 2.1 | 25.3 \pm 5.4 | 74.6 \pm 14.7 |

^aDue to rounding of numbers, these totals may not exactly equal individual totals.

Table G.4. Estimated landings of fishes (No. x 1000) \pm 1 SE caught by headboat fishermen in Texas bays and passes during the high-use season by species, day type and area (1983-1984).

| Species | Area | | | |
|---------------------|-----------------|----------------|--------------------|------------------------|
| | Galveston | Corpus Christi | Lower Laguna Madre | Coastwide ^a |
| Year | | | | |
| Day type | | | | |
| Atlantic croaker | | | | |
| 1983 | | | | |
| Weekend | 16.8 \pm 10.3 | 0.2 \pm 0.1 | 0.2 \pm 0.1 | 17.2 \pm 10.3 |
| Weekday | 4.5 \pm 1.5 | 0.4 \pm 0.2 | 0.7 \pm 0.4 | 5.6 \pm 1.5 |
| 1984 | | | | |
| Weekend | 6.6 \pm 4.0 | <.1 \pm <.1 | <.1 \pm <.1 | 6.7 \pm 4.0 |
| Weekday | 5.2 \pm 1.7 | 0.0 | 0.1 \pm 0.1 | 5.3 \pm 1.7 |
| Black drum | | | | |
| 1983 | | | | |
| Weekend | 1.4 \pm 0.6 | 0.1 \pm 0.1 | 0.0 | 1.5 \pm 0.6 |
| Weekday | 1.0 \pm 0.5 | 0.0 | <.1 \pm <.1 | 1.0 \pm 0.5 |
| 1984 | | | | |
| Weekend | 0.3 \pm 0.3 | 0.0 | 0.0 | 0.3 \pm 0.3 |
| Weekday | 0.4 \pm 0.2 | 0.0 | 0.0 | 0.4 \pm 0.2 |
| Gafftopsail catfish | | | | |
| 1983 | | | | |
| Weekend | 0.0 | 0.2 \pm 0.1 | 0.0 | 0.2 \pm 0.1 |
| Weekday | 0.5 \pm 0.5 | 0.6 \pm 0.3 | 0.0 | 1.1 \pm 0.6 |
| 1984 | | | | |
| Weekend | <.1 \pm <.1 | 0.1 \pm 0.1 | 0.0 | 0.1 \pm 0.1 |
| Weekday | <.1 \pm <.1 | 0.4 \pm 0.3 | 0.0 | 0.5 \pm 0.3 |
| Red drum | | | | |
| 1983 | | | | |
| Weekend | <.1 \pm <.1 | 0.0 | 0.0 | <.1 \pm <.1 |
| Weekday | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | | | | |
| Weekend | 0.0 | 0.0 | 0.0 | 0.0 |
| Weekday | 0.0 | 0.0 | 0.0 | 0.0 |
| Sand seatrout | | | | |
| 1983 | | | | |
| Weekend | 6.0 \pm 2.5 | 25.6 \pm 7.3 | 4.1 \pm 1.7 | 35.7 \pm 7.9 |
| Weekday | 19.6 \pm 10.2 | 12.8 \pm 4.0 | 3.9 \pm 1.7 | 36.3 \pm 11.1 |
| 1984 | | | | |
| Weekend | 10.2 \pm 7.4 | 2.8 \pm 1.6 | 3.6 \pm 2.1 | 16.6 \pm 7.8 |
| Weekday | 13.3 \pm 7.4 | 2.7 \pm 1.1 | 12.8 \pm 3.7 | 28.8 \pm 8.4 |
| Sheepshead | | | | |
| 1983 | | | | |
| Weekend | <.1 \pm <.1 | 0.0 | 0.1 \pm 0.1 | 0.1 \pm 0.1 |
| Weekday | <.1 \pm <.1 | 0.0 | 0.1 \pm 0.1 | 0.1 \pm 0.1 |

Table G.4. (Cont'd.)

| Species | Year | Area | | | Coastwide ^a |
|-----------------------------------|---------|-------------|----------------|--------------------|------------------------|
| | | Galveston | Corpus Christi | Lower Laguna Madre | |
| Day type | | | | | |
| Sheepshead (Cont'd.) | | | | | |
| 1984 | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 |
| Southern flounder | | | | | |
| 1983 | | | | | |
| | Weekend | 0.1 ± <.1 | 0.0 | 0.0 | 0.1 ± <.1 |
| | Weekday | 0.0 | <.1 ± <.1 | 0.0 | <0.1 ± <.1 |
| 1984 | | | | | |
| | Weekend | <.1 ± <.1 | 0.0 | 0.0 | <.1 ± <.1 |
| | Weekday | 0.0 | <.1 ± <.1 | 0.0 | <.1 ± <.1 |
| Spotted seatrout | | | | | |
| 1983 | | | | | |
| | Weekend | 0.0 | 0.1 ± 0.1 | <.1 ± <.1 | 0.1 ± 0.1 |
| | Weekday | 0.0 | 4.4 ± 3.6 | 0.1 ± 0.1 | 4.6 ± 3.6 |
| 1984 | | | | | |
| | Weekend | 0.0 | 0.2 ± 0.2 | <.1 ± <.1 | 0.2 ± 0.2 |
| | Weekday | 0.0 | 0.0 | 0.2 ± 0.1 | 0.2 ± 0.1 |
| Other species | | | | | |
| 1983 | | | | | |
| | Weekend | 1.9 | 1.7 | 1.8 | 5.3 |
| | Weekday | 10.1 | 1.4 | 3.9 | 15.4 |
| 1984 | | | | | |
| | Weekend | 2.3 | 0.4 | 0.8 | 3.6 |
| | Weekday | 0.7 | 0.7 | 1.3 | 2.7 |
| All species combined ^a | | | | | |
| 1983 | | | | | |
| | Weekend | 26.1 ± 11.7 | 27.8 ± 7.6 | 6.2 ± 2.5 | 60.1 ± 14.2 |
| | Weekday | 35.7 ± 13.5 | 19.6 ± 4.4 | 8.8 ± 2.8 | 64.1 ± 14.4 |
| 1984 | | | | | |
| | Weekend | 19.6 ± 11.1 | 3.6 ± 1.7 | 4.5 ± 2.4 | 27.7 ± 11.5 |
| | Weekday | 19.6 ± 7.8 | 3.8 ± 1.0 | 14.5 ± 3.9 | 37.9 ± 8.8 |

^aDue to rounding of numbers, these totals may not exactly equal individual totals.

Table G.5. Estimated landings of fishes (No. x 1000) \pm 1 SE caught by headboat fishermen in Texas bays and passes during the low-use season by species, day type and area (1983-1985).

| Species | Area | | | |
|---------------------|---------------|----------------|--------------------|------------------------|
| | Galveston | Corpus Christi | Lower Laguna Madre | Coastwide ^a |
| Year | | | | |
| Day type | | | | |
| Atlantic croaker | | | | |
| 1983-84 | | | | |
| Weekend | 1.0 \pm 0.6 | 0.0 | 0.0 | 1.0 \pm 0.6 |
| Weekday | 0.1 \pm <.1 | 0.0 | 0.1 \pm 0.1 | 0.1 \pm 0.1 |
| 1984-85 | | | | |
| Weekend | <.1 \pm <.1 | 0.0 | 0.0 | <.1 \pm <.1 |
| Weekday | 0.3 \pm 0.3 | <.1 \pm <.1 | <.1 \pm <.1 | 0.4 \pm 0.3 |
| Black drum | | | | |
| 1983-84 | | | | |
| Weekend | <.1 \pm <.1 | 0.1 \pm 0.1 | 0.0 | 0.1 \pm 0.1 |
| Weekday | 0.2 \pm 0.1 | 0.1 \pm 0.1 | 0.0 | 0.3 \pm 0.1 |
| 1984-85 | | | | |
| Weekend | 0.4 \pm 0.3 | <.1 \pm <.1 | 0.0 | 0.4 \pm 0.3 |
| Weekday | 0.1 \pm 0.1 | 0.1 \pm <.1 | 0.0 | 0.2 \pm 0.1 |
| Gafftopsail catfish | | | | |
| 1983-84 | | | | |
| Weekend | <.1 \pm <.1 | 0.1 \pm 0.1 | 0.0 | 0.1 \pm 0.1 |
| Weekday | 0.1 \pm 0.1 | <.1 \pm <.1 | 0.0 | 0.2 \pm 0.1 |
| 1984-85 | | | | |
| Weekend | <.1 \pm <.1 | 0.3 \pm 0.3 | 0.0 | 0.3 \pm 0.3 |
| Weekday | 0.1 \pm 0.1 | <.1 \pm <.1 | 0.0 | 0.1 \pm 0.1 |
| Red drum | | | | |
| 1983-84 | | | | |
| Weekend | 0.0 | 0.0 | 0.0 | 0.0 |
| Weekday | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984-85 | | | | |
| Weekend | 0.0 | 0.0 | 0.0 | 0.0 |
| Weekday | <.1 \pm <.1 | 0.0 | 0.0 | <.1 \pm <.1 |
| Sand seatrout | | | | |
| 1983-84 | | | | |
| Weekend | 1.1 \pm 1.1 | 1.7 \pm 1.7 | <.1 \pm <.1 | 2.8 \pm 2.0 |
| Weekday | 0.0 | 0.3 \pm 0.3 | 0.7 \pm 0.4 | 1.1 \pm 0.5 |
| 1984-85 | | | | |
| Weekend | 0.1 \pm 0.1 | 0.5 \pm 0.5 | 0.4 \pm 0.3 | 0.9 \pm 0.6 |
| Weekday | 0.1 \pm 0.1 | <.1 \pm <.1 | 2.4 \pm 1.7 | 2.4 \pm 1.7 |
| Sheepshead | | | | |
| 1983-84 | | | | |
| Weekend | 0.1 \pm <.1 | 0.0 | 0.0 | <.1 \pm <.1 |
| Weekday | 0.0 | 0.0 | 0.1 \pm 0.1 | 0.1 \pm 0.1 |

Table G.5. (Cont'd.)

| Species | Area | | | |
|-----------------------------------|-----------|----------------|--------------------|------------------------|
| | Galveston | Corpus Christi | Lower Laguna Madre | Coastwide ^a |
| Year | | | | |
| Day type | | | | |
| Sheepshead (Cont'd.) | | | | |
| 1984-85 | | | | |
| Weekend | <.1 ± <.1 | 0.0 | 0.9 ± 0.9 | 0.9 ± 0.9 |
| Weekday | 0.0 | 0.0 | 0.1 ± 0.1 | 0.1 ± 0.1 |
| Southern flounder | | | | |
| 1983-84 | | | | |
| Weekend | 0.0 | 0.0 | 0.0 | 0.0 |
| Weekday | <.1 ± <.1 | 0.0 | 0.0 | <.1 ± <.1 |
| 1984-85 | | | | |
| Weekend | 0.0 | <.1 ± <.1 | 0.0 | <.1 ± <.1 |
| Weekday | 0.0 | 0.0 | <.1 ± <.1 | <.1 ± <.1 |
| Spotted seatrout | | | | |
| 1983-84 | | | | |
| Weekend | 0.0 | 0.0 | 0.0 | 0.0 |
| Weekday | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984-85 | | | | |
| Weekend | 0.0 | 0.0 | 0.0 | 0.0 |
| Weekday | 0.0 | 0.0 | <.1 ± <.1 | <.1 ± <.1 |
| Other species | | | | |
| 1983-84 | | | | |
| Weekend | <.1 | 0.2 | 0.2 | 0.4 |
| Weekday | 0.1 | 0.2 | 0.6 | 0.9 |
| 1984-85 | | | | |
| Weekend | <.1 | 0.4 | 0.6 | 1.0 |
| Weekday | 0.1 | <.1 | 1.9 | 1.9 |
| All species combined ^a | | | | |
| 1983-84 | | | | |
| Weekend | 2.2 ± 1.4 | 2.0 ± 1.7 | 0.2 ± 0.1 | 4.4 ± 2.2 |
| Weekday | 0.5 ± 0.3 | 0.7 ± 0.6 | 1.4 ± 0.5 | 2.7 ± 0.8 |
| 1984-85 | | | | |
| Weekend | 0.6 ± 0.3 | 1.2 ± 0.7 | 1.9 ± 1.2 | 3.6 ± 1.4 |
| Weekday | 0.7 ± 0.4 | 0.2 ± 0.1 | 4.4 ± 2.5 | 5.3 ± 2.5 |

^aDue to rounding of numbers, these totals may not exactly equal individual totals.

Table G.6. Annual mean catch rates of fishes (No./man-h) \pm 1 SE caught by headboat fishermen in Texas bays and passes by species and area (1983-1985).

| Species | Area | | | |
|-----------------------------------|-----------------|-----------------|--------------------|-----------------|
| | Galveston | Corpus Christi | Lower Laguna Madre | Coastwide |
| Atlantic croaker | | | | |
| 1983-84 | 0.30 \pm 0.16 | <.01 \pm <.01 | 0.02 \pm 0.01 | 0.13 \pm 0.06 |
| 1984-85 | 0.20 \pm 0.09 | <.01 \pm <.01 | 0.01 \pm <.01 | 0.09 \pm 0.04 |
| Black drum | | | | |
| 1983-84 | 0.04 \pm 0.01 | <.01 \pm <.01 | <0.01 \pm <.01 | 0.01 \pm <.01 |
| 1984-85 | 0.02 \pm 0.01 | <.01 \pm <.01 | 0.00 | 0.01 \pm <.01 |
| Gafftopsail catfish | | | | |
| 1983-84 | 0.01 \pm 0.01 | 0.01 \pm <.01 | 0.00 | 0.01 \pm <.01 |
| 1984-85 | <.01 \pm <.01 | 0.02 \pm 0.01 | 0.00 | 0.01 \pm <.01 |
| Red drum | | | | |
| 1983-84 | <.01 \pm <.01 | 0.00 | 0.00 | <.01 \pm <.01 |
| 1984-85 | <.01 \pm <.01 | 0.00 | 0.00 | <.01 \pm <.01 |
| Sand seatrout | | | | |
| 1983-84 | 0.36 \pm 0.17 | 0.50 \pm 0.14 | 0.26 \pm 0.08 | 0.40 \pm 0.09 |
| 1984-85 | 0.39 \pm 0.21 | 0.14 \pm 0.05 | 0.66 \pm 0.19 | 0.36 \pm 0.10 |
| Sheepshead | | | | |
| 1983-84 | <.01 \pm <.01 | 0.00 | 0.01 \pm <.01 | <.01 \pm <.01 |
| 1984-85 | 0.00 | 0.00 | 0.04 \pm 0.03 | 0.01 \pm 0.01 |
| Southern flounder | | | | |
| 1983-84 | <.01 \pm <.01 | 0.00 | 0.00 | <.01 \pm <.01 |
| 1984-85 | <.01 \pm <.01 | <.01 \pm <.01 | <.01 \pm <.01 | <.01 \pm <.01 |
| Spotted seatrout | | | | |
| 1983-84 | 0.00 | 0.06 \pm 0.04 | <.01 \pm <.01 | 0.02 \pm 0.02 |
| 1984-85 | 0.00 | <.01 \pm <.01 | 0.01 \pm <.01 | <.01 \pm <.01 |
| Other species | | | | |
| 1983-84 | 0.16 | 0.04 | 0.19 | 0.12 |
| 1984-85 | 0.05 | 0.03 | 0.16 | 0.07 |
| All species combined ^a | | | | |
| 1983-84 | 0.88 \pm 0.33 | 0.62 \pm 0.16 | 0.48 \pm 0.13 | 0.70 \pm 0.14 |
| 1984-85 | 0.66 \pm 0.30 | 0.20 \pm 0.06 | 0.87 \pm 0.22 | 0.56 \pm 0.14 |

^aDue to rounding of numbers, these totals may not exactly equal individual totals.

Table G.7. Mean catch rates of fishes (No./man-h) \pm 1 SE caught by headboat fishermen in Texas bays and passes during the high-use season by species, day type and area (1983-1984).

| Species | Area | | | |
|---------------------|-----------------|------------------|--------------------|-----------------|
| | Galveston | Corpus Christi | Lower Laguna Madre | Coastwide |
| Year | | | | |
| Day type | | | | |
| Atlantic croaker | | | | |
| 1983 | | | | |
| Weekend | 0.53 \pm 0.38 | <.01 \pm <.01 | 0.01 \pm 0.01 | 0.21 \pm 0.13 |
| Weekday | 0.14 \pm 0.06 | 0.02 \pm 0.01 | 0.04 \pm 0.02 | 0.07 \pm 0.02 |
| 1984 | | | | |
| Weekend | 0.19 \pm 0.14 | <.01 \pm <.01 | 0.01 \pm 0.01 | 0.12 \pm 0.08 |
| Weekday | 0.32 \pm 0.13 | 0.00 | 0.01 \pm 0.01 | 0.11 \pm 0.04 |
| Black drum | | | | |
| 1983 | | | | |
| Weekend | 0.04 \pm 0.03 | <0.01 \pm <.01 | 0.00 | 0.02 \pm 0.01 |
| Weekday | 0.03 \pm 0.02 | 0.00 | <.01 \pm <.01 | 0.01 \pm 0.01 |
| 1984 | | | | |
| Weekend | 0.01 \pm 0.01 | 0.00 | 0.00 | 0.01 \pm 0.01 |
| Weekday | 0.02 \pm 0.01 | 0.00 | 0.00 | 0.01 \pm <.01 |
| Gafftopsail catfish | | | | |
| 1983 | | | | |
| Weekend | 0.00 | <.01 \pm <.01 | 0.00 | <.01 \pm <.01 |
| Weekday | 0.02 \pm 0.02 | 0.02 \pm 0.01 | 0.00 | 0.01 \pm 0.01 |
| 1984 | | | | |
| Weekend | <.01 \pm <.01 | 0.01 \pm <.01 | 0.00 | <.01 \pm <.01 |
| Weekday | <.01 \pm <.01 | 0.02 \pm 0.02 | 0.00 | 0.01 \pm 0.01 |
| Red drum | | | | |
| 1983 | | | | |
| Weekend | <.01 \pm <.01 | 0.00 | 0.00 | <.01 \pm <.01 |
| Weekday | 0.00 | 0.00 | 0.00 | 0.00 |
| 1984 | | | | |
| Weekend | 0.00 | 0.00 | 0.00 | 0.00 |
| Weekday | 0.00 | 0.00 | 0.00 | 0.00 |
| Sand seatrout | | | | |
| 1983 | | | | |
| Weekend | 0.19 \pm 0.11 | 0.63 \pm 0.25 | 0.40 \pm 0.20 | 0.43 \pm 0.14 |
| Weekday | 0.62 \pm 0.37 | 0.47 \pm 0.21 | 0.22 \pm 0.10 | 0.47 \pm 0.17 |
| 1984 | | | | |
| Weekend | 0.29 \pm 0.24 | 0.18 \pm 0.11 | 0.78 \pm 0.51 | 0.30 \pm 0.17 |
| Weekday | 0.82 \pm 0.49 | 0.15 \pm 0.08 | 0.86 \pm 0.30 | 0.60 \pm 0.19 |
| Sheepshead | | | | |
| 1983 | | | | |
| Weekend | <.01 \pm <.01 | 0.00 | 0.01 \pm 0.01 | <.01 \pm <.01 |
| Weekday | <.01 \pm <.01 | 0.00 | <.01 \pm <.01 | <.01 \pm <.01 |

Table G.7. (Cont'd.)

| Species | Year | Area | | | |
|-----------------------------------|---------|--------------|----------------|--------------------|-------------|
| | | Galveston | Corpus Christi | Lower Laguna Madre | Coastwide |
| Sheepshead (Cont'd.) | | | | | |
| 1984 | | | | | |
| | Weekend | 0.00 | 0.00 | 0.00 | 0.00 |
| | Weekday | 0.00 | 0.00 | 0.00 | 0.00 |
| Southern flounder | | | | | |
| 1983 | | | | | |
| | Weekend | <.01 ± <.01 | 0.00 | 0.00 | <.01 ± <.01 |
| | Weekday | 0.00 | <.01 ± <.01 | 0.00 | <.01 ± <.01 |
| 1984 | | | | | |
| | Weekend | <0.01 ± <.01 | 0.00 | 0.00 | <.01 ± <.01 |
| | Weekday | 0.00 | <.01 ± <.01 | 0.00 | <.01 ± <.01 |
| Spotted seatrout | | | | | |
| 1983 | | | | | |
| | Weekend | 0.00 | <.01 ± <.01 | <.01 ± <.01 | <.01 ± <.01 |
| | Weekday | 0.00 | 0.16 ± 0.14 | 0.01 ± <.01 | 0.06 ± 0.05 |
| 1984 | | | | | |
| | Weekend | 0.00 | 0.01 ± <.01 | 0.01 ± 0.01 | <.01 ± <.01 |
| | Weekday | 0.00 | 0.00 | 0.01 ± 0.01 | <.01 ± <.01 |
| Other species | | | | | |
| 1983 | | | | | |
| | Weekend | 0.06 | 0.04 | 0.17 | 0.06 |
| | Weekday | 0.32 | 0.05 | 0.22 | 0.20 |
| 1984 | | | | | |
| | Weekend | 0.07 | 0.03 | 0.18 | 0.06 |
| | Weekday | 0.04 | 0.04 | 0.09 | 0.06 |
| All species combined ^a | | | | | |
| 1983 | | | | | |
| | Weekend | 0.83 ± 0.51 | 0.68 ± 0.27 | 0.59 ± 0.29 | 0.72 ± 0.24 |
| | Weekday | 1.13 ± 0.56 | 0.72 ± 0.29 | 0.49 ± 0.19 | 0.83 ± 0.25 |
| 1984 | | | | | |
| | Weekend | 0.56 ± 0.41 | 0.23 ± 0.12 | 0.98 ± 0.61 | 0.50 ± 0.27 |
| | Weekday | 1.22 ± 0.54 | 0.22 ± 0.09 | 0.97 ± 0.33 | 0.78 ± 0.22 |

^aDue to rounding of numbers, these totals may not exactly equal individual totals.

Table G.8. Mean catch rates of fishes (No./man-h) \pm 1 SE caught by headboat fishermen in Texas bays and passes during the low-use season by species, day type and area (1983-1985).

| Species | Year | Area | | | |
|---------------------|---------|-----------------|-----------------|--------------------|-----------------|
| | | Galveston | Corpus Christi | Lower Laguna Madre | Coastwide |
| Atlantic croaker | | | | | |
| | 1983-84 | | | | |
| | Weekend | 0.17 \pm 0.12 | 0.00 | 0.00 | 0.06 \pm 0.04 |
| | Weekday | 0.01 \pm 0.01 | 0.00 | 0.01 \pm 0.01 | 0.01 \pm 0.01 |
| | 1984-85 | | | | |
| | Weekend | 0.01 \pm 0.01 | 0.00 | 0.00 | <.01 \pm <.01 |
| | Weekday | 0.10 \pm 0.10 | <.01 \pm <.01 | <.01 \pm <.01 | 0.03 \pm 0.03 |
| Black drum | | | | | |
| | 1983-84 | | | | |
| | Weekend | 0.01 \pm 0.01 | 0.01 \pm 0.01 | 0.00 | 0.01 \pm <.01 |
| | Weekday | 0.04 \pm 0.03 | 0.03 \pm 0.02 | 0.00 | 0.02 \pm 0.01 |
| | 1984-85 | | | | |
| | Weekend | 0.06 \pm 0.04 | <.01 \pm <.01 | 0.00 | 0.02 \pm 0.02 |
| | Weekday | 0.04 \pm 0.03 | 0.02 \pm 0.01 | 0.00 | 0.02 \pm 0.01 |
| Gafftopsail catfish | | | | | |
| | 1983-84 | | | | |
| | Weekend | <.01 \pm <.01 | 0.01 \pm 0.01 | 0.00 | 0.01 \pm <.01 |
| | Weekday | 0.03 \pm 0.02 | <.01 \pm <.01 | 0.00 | 0.01 \pm 0.01 |
| | 1984-85 | | | | |
| | Weekend | <.01 \pm <.01 | 0.04 \pm 0.03 | 0.00 | 0.02 \pm 0.02 |
| | Weekday | 0.02 \pm 0.02 | 0.01 \pm 0.01 | 0.00 | 0.01 \pm <.01 |
| Red drum | | | | | |
| | 1983-84 | | | | |
| | Weekend | 0.00 | 0.00 | 0.00 | 0.00 |
| | Weekday | 0.00 | 0.00 | 0.00 | 0.00 |
| | 1984-85 | | | | |
| | Weekend | 0.00 | 0.00 | 0.00 | 0.00 |
| | Weekday | 0.01 \pm 0.01 | 0.00 | 0.00 | <.01 \pm <.01 |
| Sand seatrout | | | | | |
| | 1983-84 | | | | |
| | Weekend | 0.19 \pm 0.19 | 0.18 \pm 0.18 | 0.02 \pm 0.02 | 0.17 \pm 0.12 |
| | Weekday | 0.00 | 0.09 \pm 0.09 | 0.15 \pm 0.10 | 0.08 \pm 0.04 |
| | 1984-85 | | | | |
| | Weekend | 0.01 \pm 0.01 | 0.06 \pm 0.06 | 0.12 \pm 0.11 | 0.05 \pm 0.03 |
| | Weekday | 0.02 \pm 0.02 | 0.01 \pm 0.01 | 0.36 \pm 0.28 | 0.19 \pm 0.14 |
| Sheepshead | | | | | |
| | 1983-84 | | | | |
| | Weekend | <.01 \pm <.01 | 0.00 | 0.00 | <.01 \pm <.01 |
| | Weekday | 0.00 | 0.00 | 0.03 \pm 0.02 | 0.01 \pm 0.01 |

Table G.8. (Cont'd.)

| Species | Area | | | |
|-----------------------------------|-------------|----------------|--------------------|--------------|
| | Galveston | Corpus Christi | Lower Laguna Madre | Coastwide |
| Sheepshead (Cont'd.) | | | | |
| 1984-85 | | | | |
| Weekend | <.01 ± <.01 | 0.00 | 0.30 ± 0.30 | 0.05 ± 0.05 |
| Weekday | 0.00 | 0.00 | 0.02 ± 0.02 | 0.01 ± 0.01 |
| Southern flounder | | | | |
| 1983-84 | | | | |
| Weekend | 0.00 | 0.00 | 0.00 | 0.00 |
| Weekday | <.01 ± <.01 | 0.00 | 0.00 | <.01 ± <.01 |
| 1984-85 | | | | |
| Weekend | 0.00 | <.01 ± <.01 | 0.00 | <.01 ± <.01 |
| Weekday | 0.00 | 0.00 | <.01 ± <.01 | <.01 ± <.01 |
| Spotted seatrout | | | | |
| 1983-84 | | | | |
| Weekend | 0.00 | 0.00 | 0.00 | 0.00 |
| Weekday | 0.00 | 0.00 | 0.00 | 0.00 |
| 1984-85 | | | | |
| Weekend | 0.00 | 0.00 | 0.00 | 0.00 |
| Weekday | 0.00 | 0.00 | <0.01 ± <.01 | <0.01 ± <.01 |
| Other species | | | | |
| 1983-84 | | | | |
| Weekend | <.01 | 0.02 | 0.17 | 0.02 |
| Weekday | 0.02 | 0.06 | 0.12 | 0.07 |
| 1984-85 | | | | |
| Weekend | <.01 | 0.05 | 0.20 | 0.06 |
| Weekday | 0.02 | 0.01 | 0.29 | 0.15 |
| All species combined ^a | | | | |
| 1983-84 | | | | |
| Weekend | 0.38 ± 0.26 | 0.22 ± 0.19 | 0.18 ± 0.13 | 0.27 ± 0.14 |
| Weekday | 0.11 ± 0.08 | 0.18 ± 0.15 | 0.31 ± 0.14 | 0.21 ± 0.08 |
| 1984-85 | | | | |
| Weekend | 0.09 ± 0.05 | 0.14 ± 0.10 | 0.61 ± 0.43 | 0.21 ± 0.09 |
| Weekday | 0.21 ± 0.14 | 0.06 ± 0.03 | 0.68 ± 0.43 | 0.42 ± 0.21 |

^aDue to rounding of numbers, these totals may not exactly equal individual totals.

Table G.9. Mean catch rates of fishes (No./man-h) \pm 1 SE caught by headboat fishermen in Texas bays and passes by species, season and area (1978-1985)^a. Number in parenthesis indicates number of surveys.

| Area | Year Season | Sand seatrout | Atlantic croaker | Other | All species combined |
|--------------------|----------------|------------------|---------------------|-------|-------------------------|
| Galveston | | | | | |
| 1978-79 | | | | | |
| | Low use (8) | 0.00 | 0.00 | 0.14 | 0.14 \pm 0.08 |
| | High use (12) | 1.85 \pm 0.66 | 0.59 \pm 0.25 | 0.16 | 2.59 \pm 0.71 |
| 1981-82 | | | | | |
| | Low use (3) | 0.00 | 0.02 \pm 0.02 | 0.08 | 0.09 \pm 0.04 |
| | High use (15) | 0.52 \pm 0.23 | 0.52 \pm 0.16 | 0.32 | 1.35 \pm 0.28 |
| 1983-84 | | | | | |
| | Low use (10) | 0.11 \pm 0.11 | 0.10 \pm 0.07 | 0.06 | 0.27 \pm 0.16 |
| | High use (16) | 0.40 \pm 0.20 | 0.34 \pm 0.19 | 0.24 | 0.98 \pm 0.39 |
| 1984-85 | | | | | |
| | Low use (15) | 0.02 \pm 0.01 | 0.04 \pm 0.03 | 0.08 | 0.13 \pm 0.06 |
| | High use (19) | 0.46 \pm 0.26 | 0.23 \pm 0.12 | 0.07 | 0.76 \pm 0.38 |
| Corpus Christi | | | | | |
| 1978-79 | | | | | |
| | Low use (5) | 0.12 \pm 0.10 | 0.00 | 0.16 | 0.29 \pm 0.19 |
| | High use (19) | 1.32 \pm 0.33 | 0.02 \pm 0.01 | 0.25 | 1.58 \pm 0.33 |
| 1981-82 | | | | | |
| | Low use (6) | 0.11 \pm 0.05 | 0.00 | 0.15 | 0.25 \pm 0.07 |
| | High use (13) | 1.10 \pm 0.40 | 0.04 \pm 0.01 | 0.11 | 1.25 \pm 0.40 |
| 1983-84 | | | | | |
| | Low use (15) | 0.15 \pm 0.13 | 0.00 | 0.05 | 0.20 \pm 0.14 |
| | High use (19) | 0.56 \pm 0.17 | 0.01 \pm 0.01 | 0.12 | 0.70 \pm 0.20 |
| 1984-85 | | | | | |
| | Low use (13) | 0.04 \pm 0.04 | 0.00 | 0.08 | 0.12 \pm 0.07 |
| | High use (19) | 0.17 \pm 0.07 | <.01 \pm <.01 | 0.06 | 0.22 \pm 0.08 |
| Lower Laguna Madre | | | | | |
| 1978-79 | | | | | |
| | Low use (5) | 0.08 \pm 0.08 | <.01 | 0.08 | 0.16 \pm 0.07 |
| | High use (14) | 0.52 \pm 0.19 | 0.01 \pm 0.01 | 0.19 | 0.71 \pm 0.20 |
| 1981-82 | | | | | |
| | Low use (6) | 0.13 \pm 0.11 | 0.00 | 0.33 | 0.46 \pm 0.17 |
| | High use (10) | 0.60 \pm 0.20 | 0.01 \pm 0.01 | 0.22 | 0.90 \pm 0.19 |
| 1983-84 | | | | | |
| | Low use (14) | 0.13 \pm 0.08 | 0.01 \pm 0.01 | 0.15 | 0.29 \pm 0.12 |
| | High use (18) | 0.28 \pm 0.10 | 0.03 \pm 0.01 | 0.21 | 0.52 \pm 0.16 |

Table G.9. (Cont'd.).

| Area | Year Season | Sand seatrout | Atlantic croaker | Other | All species combined |
|------------------------------|----------------|------------------|---------------------|-------|-------------------------|
| Lower Laguna Madre (Cont'd.) | | | | | |
| 1984-85 | | | | | |
| | Low use (16) | 0.29 ± 0.19 | <.01 ± <.01 | 0.37 | 0.66 ± 0.33 |
| | High use (20) | 0.84 ± 0.26 | 0.01 ± <.01 | 0.12 | 0.98 ± 0.29 |
| Coastwide Total | | | | | |
| 1978-79 | | | | | |
| | Low use (18) | 0.06 ± 0.03 | <.01 | 0.12 | 0.19 ± 0.04 |
| | High use (45) | 1.21 ± 0.24 | 0.34 ± 0.08 | 0.19 | 2.02 ± 0.22 |
| 1981-82 | | | | | |
| | Low use (15) | 0.10 ± 0.05 | 0.01 ± 0.01 | 0.11 | 0.27 ± 0.04 |
| | High use (38) | 0.73 ± 0.17 | 0.26 ± 0.05 | 0.22 | 1.25 ± 0.12 |
| 1983-84 | | | | | |
| | Low use (39) | 0.13 ± 0.07 | 0.04 ± 0.02 | 0.07 | 0.24 ± 0.09 |
| | High use (53) | 0.45 ± 0.11 | 0.14 ± 0.07 | 0.18 | 0.78 ± 0.17 |
| 1984-85 | | | | | |
| | Low use (44) | 0.11 ± 0.06 | 0.01 ± 0.01 | 0.17 | 0.29 ± 0.01 |
| | High use (58) | 0.44 ± 0.14 | 0.12 ± 0.05 | 0.08 | 0.63 ± 0.19 |

^a1978-1982 data from McEachron (1984).

Table G.10. Annual mean weights of fishes (kg/fish) \pm 1 SE caught by headboat fishermen in Texas bays and passes by species and area (1983-1985). Blank = no fish weighed.

| Species | Area | | | |
|-----------------------------------|-----------------|------------------|--------------------|-----------------|
| | Galveston | Corpus Christi | Lower Laguna Madre | Coastwide |
| Year | | | | |
| Day type | | | | |
| Atlantic croaker | | | | |
| 1983-84 | 0.12 \pm 0.01 | 0.20 \pm 0.05 | 0.26 \pm 0.05 | 0.12 \pm 0.02 |
| 1984-85 | 0.12 \pm 0.01 | 0.13 \pm 0.07 | 0.14 \pm 0.02 | 0.12 \pm 0.01 |
| Black drum | | | | |
| 1983-84 | 2.54 \pm 0.99 | 7.66 \pm 2.01 | 0.46 | 2.99 \pm 1.08 |
| 1984-85 | 3.52 \pm 0.83 | 11.01 \pm 1.34 | | 3.96 \pm 0.86 |
| Gafftopsail catfish | | | | |
| 1983-84 | 0.76 \pm 0.30 | 1.44 \pm 0.20 | | 1.14 \pm 0.24 |
| 1984-85 | 0.94 \pm 0.25 | 0.75 \pm 0.19 | | 0.78 \pm 0.20 |
| Red drum | | | | |
| 1983-84 | 0.71 | | | 0.71 |
| 1984-85 | 3.83 | | | 3.83 |
| Sand seatrout | | | | |
| 1983-84 | 0.23 \pm 0.01 | 0.24 \pm 0.01 | 0.27 \pm 0.02 | 0.24 \pm 0.01 |
| 1984-85 | 0.23 \pm 0.01 | 0.23 \pm 0.01 | 0.23 \pm 0.01 | 0.23 \pm 0.01 |
| Sheepshead | | | | |
| 1983-84 | 1.15 \pm 0.14 | | 0.55 \pm 0.03 | 0.67 \pm 0.06 |
| 1984-85 | 0.85 | | 0.63 \pm 0.02 | 0.64 \pm 0.03 |
| Southern flounder | | | | |
| 1983-84 | 0.50 \pm 0.16 | 0.56 | | 0.51 \pm 0.26 |
| 1984-85 | 0.41 \pm 0.07 | 0.39 \pm 0.30 | 0.43 | 0.41 \pm 0.23 |
| Spotted seatrout | | | | |
| 1983-84 | | 0.34 \pm 0.03 | 0.41 \pm 0.06 | 0.34 \pm 0.03 |
| 1984-85 | | 0.29 | 0.39 \pm 0.02 | 0.35 \pm 0.13 |
| All species combined ^a | | | | |
| 1983-84 | 0.55 \pm 0.14 | 0.36 \pm 0.04 | 0.32 \pm 0.02 | 0.45 \pm 0.09 |
| 1984-85 | 0.40 \pm 0.10 | 0.51 \pm 0.18 | 0.21 \pm 0.01 | 0.35 \pm 0.08 |

^aIncludes "other" species.

Table G.11. Mean weights of fishes (kg/fish) \pm 1 SE caught by headboat fishermen in Texas bays and passes during the high-use season by species, day type and area (1983-1984). Blank = no fish weighed.

| Species | Area | | | |
|---------------------|-----------------|-----------------|-----------------|-----------------|
| | Year | Galveston | Corpus | Lower |
| | | | Christi | Laguna Madre |
| Day type | | | | |
| Atlantic croaker | | | | |
| 1983 | | | | |
| Weekend | 0.11 \pm 0.02 | 0.14 \pm 0.05 | 0.11 \pm 0.02 | 0.11 \pm 0.02 |
| Weekday | 0.13 \pm 0.02 | 0.22 \pm 0.06 | 0.30 \pm 0.04 | 0.16 \pm 0.03 |
| 1984 | | | | |
| Weekend | 0.13 \pm 0.01 | 0.20 | 0.09 \pm 0.09 | 0.13 \pm 0.02 |
| Weekday | 0.12 \pm 0.01 | | 0.16 \pm 0.02 | 0.12 \pm 0.01 |
| Black drum | | | | |
| 1983 | | | | |
| Weekend | 0.54 \pm 0.08 | 1.63 | | 0.59 \pm 0.16 |
| Weekday | 1.19 \pm 0.42 | | 0.46 | 1.16 \pm 0.42 |
| 1984 | | | | |
| Weekend | 2.41 \pm 0.24 | | | 2.41 \pm 0.24 |
| Weekday | 1.54 \pm 0.13 | | | 1.54 \pm 0.13 |
| Gafftopsail catfish | | | | |
| 1983 | | | | |
| Weekend | | 0.74 \pm 0.05 | | 0.74 \pm 0.05 |
| Weekday | 0.31 \pm 0.03 | 1.43 \pm 0.25 | | 0.91 \pm 0.15 |
| 1984 | | | | |
| Weekend | 0.53 | 0.43 \pm 0.10 | | 0.45 \pm 0.18 |
| Weekday | 1.52 \pm 0.33 | 0.86 \pm 0.34 | | 0.92 \pm 0.34 |
| Red drum | | | | |
| 1983 | | | | |
| Weekend | 0.71 | | | 0.71 |
| Weekday | | | | |
| 1984 | | | | |
| Weekend | | | | |
| Weekday | | | | |
| Sand seatrout | | | | |
| 1983 | | | | |
| Weekend | 0.26 \pm 0.02 | 0.23 \pm 0.02 | 0.27 \pm 0.03 | 0.24 \pm 0.02 |
| Weekday | 0.22 \pm 0.01 | 0.25 \pm 0.01 | 0.24 \pm 0.02 | 0.23 \pm 0.01 |
| 1984 | | | | |
| Weekend | 0.20 \pm 0.02 | 0.21 \pm 0.01 | 0.23 \pm 0.01 | 0.21 \pm 0.02 |
| Weekday | 0.24 \pm 0.02 | 0.23 \pm 0.02 | 0.24 \pm 0.01 | 0.24 \pm 0.01 |
| Sheepshead | | | | |
| 1983 | | | | |
| Weekend | 1.13 | | 0.56 | 0.71 \pm 0.71 |
| Weekday | 0.92 | | 0.75 \pm 0.07 | 0.78 \pm 0.25 |

Table G.11. (Cont'd.)

| Species | Year | Area | | | Coastwide |
|-----------------------------------|---------|-------------|----------------|--------------------|-------------|
| | | Galveston | Corpus Christi | Lower Laguna Madre | |
| Day type | | | | | |
| Sheepshead (Cont'd.) | | | | | |
| | 1984 | | | | |
| | Weekend | | | | |
| | Weekday | | | | |
| Southern flounder | | | | | |
| | 1983 | | | | |
| | Weekend | 0.62 ± 0.08 | | | 0.62 ± 0.08 |
| | Weekday | | 0.56 | | 0.56 |
| | 1984 | | | | |
| | Weekend | 0.41 ± 0.07 | | | 0.41 ± 0.07 |
| | Weekday | | 0.85 | | 0.85 |
| Spotted seatrout | | | | | |
| | 1983 | | | | |
| | Weekend | | 0.35 ± 0.02 | 0.27 | 0.33 ± 0.10 |
| | Weekday | | 0.34 ± 0.04 | 0.44 ± 0.06 | 0.34 ± 0.04 |
| | 1984 | | | | |
| | Weekend | | 0.29 | 0.42 | 0.32 ± 0.32 |
| | Weekday | | | 0.41 ± 0.01 | 0.41 ± 0.01 |
| All species combined ^a | | | | | |
| | 1983 | | | | |
| | Weekend | 0.25 ± 0.05 | 0.28 ± 0.02 | 0.34 ± 0.03 | 0.27 ± 0.04 |
| | Weekday | 0.50 ± 0.16 | 0.33 ± 0.03 | 0.30 ± 0.03 | 0.42 ± 0.10 |
| | 1984 | | | | |
| | Weekend | 0.21 ± 0.09 | 0.18 ± 0.02 | 0.20 ± <.01 | 0.20 ± 0.06 |
| | Weekday | 0.22 ± 0.04 | 0.22 ± 0.02 | 0.20 ± <.01 | 0.21 ± 0.02 |

^aIncludes "other" species.

Table G.12. Mean weights of fishes (kg/fish) \pm 1 SE caught by headboat fishermen in Texas bays and passes during the low-use season by species, day type and area (1983-1985). Blank = no fish weighed.

| Species | Area | | | |
|---------------------|-----------------|------------------|--------------------|-----------------|
| | Galveston | Corpus Christi | Lower Laguna Madre | Coastwide |
| Year | | | | |
| Day type | | | | |
| Atlantic croaker | | | | |
| 1983-84 | | | | |
| Weekend | 0.08 \pm 0.00 | | | 0.08 \pm 0.00 |
| Weekday | 0.08 \pm 0.01 | | 0.23 | 0.15 \pm 0.12 |
| 1984-85 | | | | |
| Weekend | 0.06 | | | 0.06 |
| Weekday | 0.09 | 0.06 | 0.08 | 0.09 \pm 0.09 |
| Black drum | | | | |
| 1983-84 | | | | |
| Weekend | 0.72 \pm 0.27 | 11.35 | | 6.73 \pm 6.54 |
| Weekday | 6.17 \pm 0.68 | 7.12 \pm 1.38 | | 6.54 \pm 0.95 |
| 1984-85 | | | | |
| Weekend | 3.94 \pm 1.31 | 12.03 | | 4.15 \pm 1.59 |
| Weekday | 5.10 \pm 1.84 | 10.90 \pm 1.48 | | 6.94 \pm 1.72 |
| Gafftopsail catfish | | | | |
| 1983-84 | | | | |
| Weekend | 1.03 | 2.06 | | 1.82 \pm 1.82 |
| Weekday | 1.19 \pm 0.03 | 1.64 | | 1.25 \pm 0.24 |
| 1984-85 | | | | |
| Weekend | 3.94 \pm 1.31 | 0.40 \pm 0.42 | | 0.52 \pm 0.41 |
| Weekday | 5.10 \pm 1.84 | 1.20 \pm 0.44 | | 0.84 \pm 0.20 |
| Red drum | | | | |
| 1983-84 | | | | |
| Weekend | | | | |
| Weekday | | | | |
| 1984-85 | | | | |
| Weekend | | | | |
| Weekday | 3.83 | | | 3.83 |
| Sand seatrout | | | | |
| 1983-84 | | | | |
| Weekend | 0.23 | 0.32 | 0.23 \pm 0.01 | 0.29 \pm 0.28 |
| Weekday | | 0.26 | 0.31 \pm 0.05 | 0.29 \pm 0.12 |
| 1984-85 | | | | |
| Weekend | 0.22 | 0.30 | 0.26 \pm 0.02 | 0.27 \pm 0.18 |
| Weekday | 0.33 | 0.12 | 0.23 \pm 0.02 | 0.23 \pm 0.03 |
| Sheepshead | | | | |
| 1983-84 | | | | |
| Weekend | 1.41 | | | 1.41 |
| Weekday | | | 0.52 \pm 0.02 | 0.52 \pm 0.02 |

Table G.12. (Cont'd.)

| Species | Area | | | |
|-----------------------------------|-------------|----------------|--------------------|-------------|
| | Galveston | Corpus Christi | Lower Laguna Madre | Coastwide |
| Sheepshead (Cont'd.) | | | | |
| 1984-85 | | | | |
| Weekend | 0.85 | | 0.62 | 0.63 ± 0.63 |
| Weekday | | | 0.69 ± 0.09 | 0.69 ± 0.09 |
| Southern flounder | | | | |
| 1983-84 | | | | |
| Weekend | | | | |
| Weekday | 0.12 | | | 0.12 |
| 1984-85 | | | | |
| Weekend | | 0.17 | | 0.17 |
| Weekday | | | 0.43 ± 0.43 | 0.43 |
| Spotted seatrout | | | | |
| 1983-84 | | | | |
| Weekend | | | | |
| Weekday | | | | |
| 1984-85 | | | | |
| Weekend | | | | |
| Weekday | | | 0.24 | 0.24 |
| All species combined ^a | | | | |
| 1983-84 | | | | |
| Weekend | 0.25 ± 0.06 | 0.82 ± 0.58 | 0.18 ± 0.07 | 0.50 ± 0.29 |
| Weekday | 3.84 ± 0.72 | 1.57 ± 1.17 | 0.36 ± 0.05 | 1.34 ± 0.48 |
| 1984-85 | | | | |
| Weekend | 2.29 ± 1.11 | 0.52 ± 0.04 | 0.36 ± 0.15 | 0.72 ± 0.27 |
| Weekday | 2.56 ± 1.27 | 4.64 ± 2.12 | 0.20 ± 0.03 | 0.66 ± 0.26 |

^aIncludes "other" species.

Table G.13. Annual mean total lengths of fishes (mm/fish) \pm 1 SE caught by headboat fishermen in Texas bays and passes by species and area (1983-1985). Blank = no fish measured.

| Species Year | Area | | | |
|-----------------------------------|--------------|----------------|--------------------|--------------|
| | Galveston | Corpus Christi | Lower Laguna Madre | Coastwide |
| Atlantic croaker | | | | |
| 1983-84 | 206 \pm 7 | 238 \pm 22 | 266 \pm 18 | 209 \pm 8 |
| 1984-85 | 208 \pm 4 | 213 \pm 41 | 224 \pm 12 | 210 \pm 4 |
| Black drum | | | | |
| 1983-84 | 479 \pm 74 | 783 \pm 88 | 320 | 507 \pm 77 |
| 1984-85 | 587 \pm 45 | 910 \pm 29 | | 610 \pm 42 |
| Gafftopsail catfish | | | | |
| 1983-84 | 400 \pm 53 | 514 \pm 25 | | 464 \pm 24 |
| 1984-85 | 446 \pm 36 | 398 \pm 33 | | 407 \pm 18 |
| Red drum | | | | |
| 1983-84 | 408 | | | 408 |
| 1984-85 | 704 | | | 704 |
| Sand seatrout | | | | |
| 1983-84 | 275 \pm 5 | 280 \pm 5 | 291 \pm 8 | 279 \pm 5 |
| 1984-85 | 278 \pm 6 | 276 \pm 5 | 279 \pm 3 | 278 \pm 4 |
| Sheepshead | | | | |
| 1983-84 | 405 \pm 17 | | 312 \pm 6 | 335 \pm 5 |
| 1984-85 | 366 | | 328 \pm 2 | 330 \pm 4 |
| Southern flounder | | | | |
| 1983-84 | 330 \pm 42 | 365 | | 342 \pm 98 |
| 1984-85 | 330 \pm 17 | 304 \pm 76 | 336 | 323 \pm 89 |
| Spotted seatrout | | | | |
| 1983-84 | | 331 \pm 8 | 351 \pm 17 | 332 \pm 8 |
| 1984-85 | | 318 | 349 \pm 6 | 337 \pm 82 |
| All species combined ^a | | | | |
| 1983-84 | 278 \pm 12 | 288 \pm 5 | 289 \pm 4 | 283 \pm 8 |
| 1984-85 | 288 \pm 13 | 304 \pm 13 | 283 \pm 3 | 288 \pm 7 |

^aIncludes "other" species.

Table G.14. Mean total lengths of fishes (mm/fish) \pm 1 SE caught by headboat fishermen in Texas bays and passes during the high-use season by species, day type and area (1983-1984). Blank = no fish measured.

| Species | Year | Day type | Area | | | |
|---------------------|------|----------|--------------|----------------|--------------------|---------------|
| | | | Galveston | Corpus Christi | Lower Laguna Madre | Coastwide |
| Atlantic croaker | | | | | | |
| 1983 | | | | | | |
| | | Weekend | 205 \pm 10 | 212 \pm 27 | 207 \pm 12 | 205 \pm 10 |
| | | Weekday | 213 \pm 13 | 245 \pm 25 | 281 \pm 14 | 224 \pm 12 |
| 1984 | | | | | | |
| | | Weekend | 213 \pm 8 | 253 | 198 | 213 \pm 10 |
| | | Weekday | 207 \pm 5 | | 234 \pm 9 | 207 \pm 5 |
| Black drum | | | | | | |
| 1983 | | | | | | |
| | | Weekend | 320 \pm 11 | 488 | | 331 \pm 34 |
| | | Weekday | 394 \pm 33 | | 320 | 390 \pm 40 |
| 1984 | | | | | | |
| | | Weekend | 515 \pm 28 | | | 515 \pm 28 |
| | | Weekday | 454 \pm 20 | | | 454 \pm 20 |
| Gafftopsail catfish | | | | | | |
| 1983 | | | | | | |
| | | Weekend | | 423 \pm 1 | | 423 \pm 1 |
| | | Weekday | 321 \pm 9 | 513 \pm 34 | | 426 \pm 14 |
| 1984 | | | | | | |
| | | Weekend | 389 | 361 \pm 24 | | 370 \pm 51 |
| | | Weekday | 537 \pm 37 | 423 \pm 47 | | 436 \pm 24 |
| Red drum | | | | | | |
| 1983 | | | | | | |
| | | Weekend | 408 | | | 408 |
| | | Weekday | | | | |
| 1984 | | | | | | |
| | | Weekend | | | | |
| | | Weekday | | | | |
| Sand seatrout | | | | | | |
| 1983 | | | | | | |
| | | Weekend | 288 \pm 9 | 275 \pm 9 | 292 \pm 10 | 279 \pm 8 |
| | | Weekday | 270 \pm 4 | 282 \pm 5 | 280 \pm 6 | 275 \pm 4 |
| 1984 | | | | | | |
| | | Weekend | 262 \pm 10 | 298 | 277 \pm 3 | 271 \pm 6 |
| | | Weekday | 280 \pm 7 | 227 | 281 \pm 5 | 275 \pm 4 |
| Sheepshead | | | | | | |
| 1983 | | | | | | |
| | | Weekend | 404 | | 313 \pm 131 | 343 \pm 194 |
| | | Weekday | 376 | | 349 \pm 12 | 358 \pm 50 |

Table G.14. (Cont'd.)

| Species | Area | | | |
|-----------------------------------|-----------|----------------|--------------------|-----------|
| | Galveston | Corpus Christi | Lower Laguna Madre | Coastwide |
| Sheepshead (Cont'd.) | | | | |
| 1984 | | | | |
| Weekend | | | | |
| Weekday | | | | |
| Southern flounder | | | | |
| 1983 | | | | |
| Weekend | 365 ± 8 | | | 365 ± 8 |
| Weekday | | 365 | | 365 |
| 1984 | | | | |
| Weekend | 330 ± 17 | | | 330 ± 17 |
| Weekday | | 417 | | 417 |
| Spotted seatrout | | | | |
| 1983 | | | | |
| Weekend | | 337 ± 6 | 310 | 328 ± 75 |
| Weekday | | 331 ± 9 | 361 ± 16 | 332 ± 9 |
| 1984 | | | | |
| Weekend | | 318 | 356 | 326 ± 273 |
| Weekday | | | 353 ± 3 | 353 ± 3 |
| All species combined ^a | | | | |
| 1983 | | | | |
| Weekend | 250 ± 20 | 279 ± 7 | 287 ± 6 | 267 ± 11 |
| Weekday | 275 ± 6 | 286 ± 5 | 287 ± 4 | 280 ± 5 |
| 1984 | | | | |
| Weekend | 274 ± 28 | 278 ± 6 | 279 ± 3 | 275 ± 18 |
| Weekday | 269 ± 16 | 293 ± 12 | 282 ± 4 | 276 ± 8 |

^aIncludes "other" species.

Table G.15. Mean total lengths of fishes (mm/fish) \pm 1 SE caught by headboat fishermen in Texas bays and passes during the low-use season by species, day type and area (1983-1985). Blank = no fish measured.

| Species | Year | Area | | | |
|---------------------|---------|--------------|----------------|--------------------|---------------|
| | | Galveston | Corpus Christi | Lower Laguna Madre | Coastwide |
| Atlantic croaker | | | | | |
| | 1983-84 | | | | |
| | Weekend | 188 \pm 1 | | | 188 \pm 1 |
| | Weekday | 184 \pm 9 | | 261 | 223 \pm 90 |
| | 1984-85 | | | | |
| | Weekend | 167 | | | 167 |
| | Weekday | 196 | 172 | 190 | 192 \pm 188 |
| Black drum | | | | | |
| | 1983-84 | | | | |
| | Weekend | 366 \pm 49 | 928 | | 741 \pm 349 |
| | Weekday | 745 \pm 34 | 784 \pm 62 | | 758 \pm 32 |
| | 1984-85 | | | | |
| | Weekend | 623 \pm 73 | 950 | | 659 \pm 93 |
| | Weekday | 688 \pm 91 | 906 \pm 32 | | 797 \pm 55 |
| Gafftopsail catfish | | | | | |
| | 1983-84 | | | | |
| | Weekend | 480 | 589 | | 553 \pm 319 |
| | Weekday | 475 \pm 2 | 555 | | 502 \pm 66 |
| | 1984-85 | | | | |
| | Weekend | 598 \pm 25 | 306 \pm 116 | | 348 \pm 57 |
| | Weekday | 404 \pm 13 | 467 \pm 83 | | 425 \pm 28 |
| Red drum | | | | | |
| | 1983-84 | | | | |
| | Weekend | | | | |
| | Weekday | | | | |
| | 1984-85 | | | | |
| | Weekend | | | | |
| | Weekday | 704 | | | 704 |
| Sand seatrout | | | | | |
| | 1983-84 | | | | |
| | Weekend | 279 | 307 | 277 \pm 1 | 296 \pm 290 |
| | Weekday | | 288 | 305 \pm 17 | 300 \pm 64 |
| | 1984-85 | | | | |
| | Weekend | 269 | 298 | 288 \pm 7 | 291 \pm 129 |
| | Weekday | 309 | 227 | 277 \pm 9 | 277 \pm 9 |
| Sheepshead | | | | | |
| | 1983-84 | | | | |
| | Weekend | 436 | | | 436 |
| | Weekday | | | 307 \pm 3 | 307 \pm 3 |

Table G.15. (Cont'd.)

| Species | Area | | | |
|-----------------------------------|-----------|----------------|--------------------|-----------|
| | Galveston | Corpus Christi | Lower Laguna Madre | Coastwide |
| Sheepshead (Cont'd.) | | | | |
| 1984-85 | | | | |
| Weekend | 366 | | 326 | 328 ± 165 |
| Weekday | | | 335 ± 16 | 335 ± 16 |
| Southern flounder | | | | |
| 1983-84 | | | | |
| Weekend | 224 | | | 224 |
| Weekday | | 247 | | 247 |
| 1984-85 | | | | |
| Weekend | | | 336 | 336 |
| Weekday | | | | |
| Spotted seatrout | | | | |
| 1983-84 | | | | |
| Weekend | | | | |
| Weekday | | | | |
| 1984-85 | | | | |
| Weekend | | | | |
| Weekday | | | 298 ± 298 | 298 |
| All species combined ^a | | | | |
| 1983-84 | | | | |
| Weekend | 243 ± 24 | 334 ± 38 | 285 ± 7 | 286 ± 28 |
| Weekday | 577 ± 46 | 390 ± 90 | 297 ± 12 | 376 ± 26 |
| 1984-85 | | | | |
| Weekend | 475 ± 99 | 296 ± 8 | 302 ± 14 | 328 ± 17 |
| Weekday | 503 ± 82 | 553 ± 133 | 283 ± 6 | 322 ± 11 |

^aIncludes "other" species.

Table G.16. Percent composition of "other" species caught by headboat fishermen in Texas bays and passes by area, season and day type (1983 - 1985).

| Year | Season | Day type | Common name | Scientific name | Area | | | |
|----------|--------|----------|--------------------------|-----------------------------------|-----------|----------------|--------------------|-----------|
| | | | | | Galveston | Corpus Christi | Lower Laguna Madre | Coastwide |
| 1983-84 | | | | | | | | |
| High use | | | | | | | | |
| Weekend | | | | | | | | |
| | | | Atlantic spadefish | <u>Chaetodipterus faber</u> | 1.85 | | | 0.62 |
| | | | Florida pompano | <u>Trachinotus carolinus</u> | 1.85 | | | 0.62 |
| | | | Ladyfish | <u>Elops saurus</u> | 1.85 | | | 0.62 |
| | | | Pigfish | <u>Orthopristis chrysoptera</u> | 5.56 | | 5.17 | 3.70 |
| | | | Pinfish | <u>Lagodon rhomboides</u> | 9.26 | | | 3.09 |
| | | | Sharks sp. | | | | | |
| | | | Atlantic sharpnose shark | <u>Rhizoprionodon terraenovae</u> | | 2.00 | | 0.62 |
| | | | Requiem sharks | Family <u>Carcharhinidae</u> | | 2.00 | | 0.62 |
| | | | Scalloped hammerhead | <u>Sphyrna lewini</u> | | 2.00 | | 0.62 |
| | | | Silver perch | <u>Bairdiella chrysura</u> | 55.56 | | | 18.52 |
| | | | Snapper sp. | | | | | |
| | | | Red snapper | <u>Lutjanus campechanus</u> | | | 3.45 | 1.23 |
| | | | Southern kingfish | <u>Menticirrhus americanus</u> | 22.22 | 94.00 | 91.38 | 69.14 |
| | | | Spot | <u>Leiostomus xanthurus</u> | 1.85 | | | 0.62 |
| Weekday | | | | | | | | |
| | | | Bay whiff | <u>Citharichthys spilopterus</u> | 0.32 | | | 0.12 |
| | | | Bluefish | <u>Pomatomus saltatrix</u> | 0.32 | | | 0.12 |
| | | | Blue runner | <u>Caranx crysos</u> | 0.32 | | 0.23 | 0.25 |
| | | | Crevalle jack | <u>Caranx hippos</u> | 0.32 | 1.59 | | 0.25 |
| | | | Gulf flounder | <u>Paralichthys albiquetta</u> | | | 0.68 | 0.37 |
| | | | Hardhead catfish | <u>Arius felis</u> | 5.14 | 7.94 | 0.23 | 2.70 |
| | | | King mackerel | <u>Scomberomorus cavalla</u> | | | 0.23 | 0.12 |
| | | | Pigfish | <u>Orthopristis chrysoptera</u> | 0.32 | 7.94 | 0.45 | 0.98 |
| | | | Pinfish | <u>Lagodon rhomboides</u> | 0.32 | 1.59 | 0.23 | 0.37 |
| | | | Shark sp. | | | | | |
| | | | Atlantic sharpnose shark | <u>Rhizoprionodon terraenovae</u> | 5.47 | | | 2.09 |
| | | | Blacktip shark | <u>Carcharhinus limbatus</u> | 0.32 | | 0.45 | 0.37 |
| | | | Bonnethead | <u>Sphyrna tiburo</u> | | 1.59 | | 0.12 |
| | | | Hammerhead sp. | Family <u>Sphyrnidae</u> | 0.32 | | | 0.12 |

Table G.16. (Cont'd.)

| Year | Season | Day type | Common name | Scientific name | Area | | | |
|------|----------|----------|----------------------|---------------------------------|-----------|----------------|--------------------|-----------|
| | | | | | Galveston | Corpus Christi | Lower Laguna Madre | Coastwide |
| | | | Silver perch | <u>Bairdiella chrysur</u> | 3.54 | | | 1.35 |
| | | | Silver seatrout | <u>Cynoscion nothus</u> | 0.64 | | | 0.25 |
| | | | Snapper sp. | | | | | |
| | | | Red snapper | <u>Lutjanus campechanus</u> | | | 77.27 | 41.77 |
| | | | Southern kingfish | <u>Menticirrhus americanus</u> | 82.64 | 79.37 | 20.23 | 48.65 |
| | Low use | | | | | | | |
| | Weekend | | Florida pompano | <u>Trachinotus carolinus</u> | | | 3.23 | 2.50 |
| | | | Gulf kingfish | <u>Menticirrhus littoralis</u> | | 33.33 | | 2.50 |
| | | | Hardhead catfish | <u>Arius felis</u> | 16.67 | | | 2.50 |
| | | | Pigfish | <u>Orthopristis chrysoptera</u> | 16.67 | | | 2.50 |
| | | | Pinfish | <u>Lagodon rhomboides</u> | | 66.67 | | 5.00 |
| | | | Silver perch | <u>Bairdiella chrysur</u> | 16.67 | | | 2.50 |
| | | | Southern hake | <u>Urophycis floridanus</u> | 16.67 | | | 2.50 |
| | | | Southern kingfish | <u>Menticirrhus americanus</u> | 33.33 | | 96.77 | 80.00 |
| | Weekday | | Hardhead catfish | <u>Arius felis</u> | 70.83 | | | 20.99 |
| | | | Shark sp. | | | | | |
| | | | Bonnethead | <u>Sphyrna tiburo</u> | 8.33 | | | 2.47 |
| | | | Southern kingfish | <u>Menticirrhus americanus</u> | 20.83 | 100.00 | 100.00 | 76.54 |
| | 1984-85 | | | | | | | |
| | High use | | | | | | | |
| | Weekend | | Atlantic cutlassfish | <u>Trichiurus lepturus</u> | 1.05 | | | 0.63 |
| | | | Gulf kingfish | <u>Menticirrhus littoralis</u> | 1.05 | | 3.70 | 1.88 |
| | | | Hardhead catfish | <u>Arius felis</u> | 1.05 | | 7.41 | 3.13 |
| | | | Pigfish | <u>Orthopristis chrysoptera</u> | | 18.18 | 1.85 | 1.88 |
| | | | Pinfish | <u>Lagodon rhomboides</u> | 1.05 | | | 0.63 |
| | | | Shark sp. | | | | | |
| | | | Blacktip shark | <u>Carcharhinus limbatus</u> | 66.32 | | | 39.38 |
| | | | Bonnethead | <u>Sphyrna tiburo</u> | | 9.09 | | 0.63 |
| | | | Finetooth shark | <u>Carcharhinus isodon</u> | | 9.09 | | 0.63 |
| | | | Southern kingfish | <u>Menticirrhus americanus</u> | 28.42 | 63.64 | 87.04 | 50.63 |
| | | | Spot | <u>Leiostomus xanthurus</u> | 1.05 | | | 0.63 |

Table G.16. (Cont'd.)

| Year Season | Day type | Common name | Scientific name | Area | | | | |
|----------------|--------------------|--------------------------|-----------------------------------|------------------------------|----------------|--------------------|-----------|-------|
| | | | | Galveston | Corpus Christi | Lower Laguna Madre | Coastwide | |
| Weekday | | Gulf flounder | <u>Paralichthys albigutta</u> | | | 1.92 | 0.78 | |
| | | Gulf kingfish | <u>Menticirrhus littoralis</u> | 18.00 | | 1.92 | 7.81 | |
| | | Hardhead catfish | <u>Arius felis</u> | 2.00 | 3.85 | 1.92 | 2.34 | |
| | | Pigfish | <u>Orthopristis chrysoptera</u> | 26.00 | | | 10.16 | |
| | | Shark sp. | | | | | | |
| | | Atlantic sharpnose shark | <u>Rhizoprionodon terraenovae</u> | 32.00 | | | 12.50 | |
| | | Blacktip shark | <u>Carcharhinus limbatus</u> | | 3.85 | | 0.78 | |
| | | Bonnethead | <u>Sphyrna tiburo</u> | 2.00 | 11.54 | | 3.13 | |
| | | Silver perch | <u>Bairdiella chrysura</u> | 4.00 | | | 1.56 | |
| | | Southern kingfish | <u>Menticirrhus americanus</u> | 16.00 | 80.77 | 94.23 | 60.94 | |
| | Low use Weekend | | Atlantic cutlassfish | <u>Trichiurus lepturus</u> | 50.00 | | | 1.79 |
| | | | Florida pompano | <u>Trachinotus carolinus</u> | | 35.29 | | 10.71 |
| | | Pigfish | <u>Orthopristis chrysoptera</u> | | 17.65 | | 5.36 | |
| | | Pinfish | <u>Lagodon rhomboides</u> | | 11.76 | | 3.57 | |
| | | Southern kingfish | <u>Menticirrhus americanus</u> | 50.00 | 35.29 | 100.00 | 78.57 | |
| Weekday | | | Crevalle jack | <u>Caranx hippos</u> | 6.67 | | | 0.68 |
| | | Gulf flounder | <u>Paralichthys albigutta</u> | | | 1.69 | 1.35 | |
| | | Gulf kingfish | <u>Menticirrhus littoralis</u> | 6.67 | | | 0.68 | |
| | | Hardhead catfish | <u>Arius felis</u> | 6.67 | | | 0.68 | |
| | | Pigfish | <u>Orthopristis chrysoptera</u> | | | 0.85 | 0.68 | |
| | | Sharks sp. | | | | | | |
| | | Atlantic sharpnose shark | <u>Rhizoprionodon terraenovae</u> | 46.67 | | | 4.73 | |
| | | Bonnethead | <u>Sphyrna tiburo</u> | | 6.67 | | 0.68 | |
| | | Southern hake | <u>Urophycis floridanus</u> | 6.67 | | | 0.68 | |
| | | Southern kingfish | <u>Menticirrhus americanus</u> | 26.67 | 93.33 | 97.46 | 89.86 | |

Table G.17. Percent composition of the annual residential origin of headboat fishermen in Texas bays and passes by area (1983-85).

| Area Year | Adjacent coastal counties | Non-adjacent coastal counties | Non-coastal counties | Other states and countries |
|--------------------|------------------------------|----------------------------------|-------------------------|-------------------------------|
| Galveston | | | | |
| 1983-84 | 59 | 0 | 25 | 16 |
| 1984-85 | 64 | 1 | 17 | 17 |
| Corpus Christi | | | | |
| 1983-84 | 20 | 6 | 58 | 15 |
| 1984-85 | 19 | 9 | 57 | 15 |
| Lower Laguna Madre | | | | |
| 1983-84 | 10 | 10 | 48 | 33 |
| 1984-85 | 18 | 8 | 40 | 34 |
| Coastwide | | | | |
| 1983-84 | 34 | 4 | 42 | 20 |
| 1984-85 | 42 | 5 | 33 | 20 |

Table G.18. Percent composition of the residential origin of headboat fishermen in Texas bays and passes during the high-use season by area and day type (1983-1984).

| Area Year | Weekend | | | | Weekday | | | |
|--------------------|---------------------------|-------------------------------|----------------------|------------------------|---------------------------|-------------------------------|----------------------|------------------------|
| | Adjacent coastal counties | Non-adjacent coastal counties | Non-coastal counties | Other states/countries | Adjacent coastal counties | Non-adjacent coastal counties | Non-coastal counties | Other states/countries |
| Galveston | | | | | | | | |
| 1983 | 68 | 0 | 25 | 7 | 42 | 0 | 35 | 23 |
| 1984 | 72 | 0 | 15 | 13 | 61 | 1 | 18 | 20 |
| Corpus Christi | | | | | | | | |
| 1983 | 19 | 12 | 64 | 5 | 20 | 3 | 59 | 18 |
| 1984 | 17 | 8 | 68 | 6 | 13 | 11 | 58 | 18 |
| Lower Laguna Madre | | | | | | | | |
| 1983 | 12 | 20 | 45 | 23 | 5 | 9 | 53 | 34 |
| 1984 | 39 | 9 | 40 | 12 | 10 | 10 | 55 | 25 |
| Coastwide | | | | | | | | |
| 1983 | 37 | 8 | 45 | 9 | 27 | 3 | 46 | 24 |
| 1984 | 49 | 4 | 36 | 11 | 37 | 5 | 37 | 21 |

Table G.19. Percent composition of the residential origin of headboat fishermen in Texas bays and passes during the low-use season by area and day type (1983-1985).

| Area Year | Weekend | | | | Weekday | | | |
|---------------------------|---------------------------|-------------------------------|----------------------|------------------------|---------------------------|-------------------------------|----------------------|------------------------|
| | Adjacent coastal counties | Non-adjacent coastal counties | Non-coastal counties | Other states/countries | Adjacent coastal counties | Non-adjacent coastal counties | Non-coastal counties | Other states/countries |
| Galveston | | | | | | | | |
| 1983-84 | 93 | 0 | 4 | 3 | 62 | 0 | 14 | 24 |
| 1984-85 | 71 | 1 | 17 | 10 | 52 | 3 | 19 | 27 |
| Corpus Christi | | | | | | | | |
| 1983-84 | 29 | 3 | 62 | 6 | 13 | 3 | 37 | 47 |
| 1984-85 | 24 | 9 | 59 | 8 | 22 | 8 | 41 | 29 |
| Lower Laguna Madre | | | | | | | | |
| 1983-84 | 14 | 0 | 70 | 16 | 10 | 6 | 33 | 51 |
| 1984-85 | 34 | 7 | 33 | 25 | 10 | 3 | 21 | 66 |
| Coastwide | | | | | | | | |
| 1983-84 | 43 | 2 | 48 | 7 | 33 | 3 | 26 | 39 |
| 1984-85 | 53 | 4 | 32 | 12 | 31 | 4 | 26 | 39 |

Table G.20. Mean fishing-party size (No. of fishermen) and mean fishing time (h) for headboat fishermen in Texas bays and passes by area, season and day type (1983-1985).

| Area Year | Mean fishing-party size | | | | | Mean fishing time | | | | |
|--------------------|-------------------------|---------|----------------|---------|--------|-------------------|---------|----------------|---------|--------|
| | High-use season | | Low-use season | | Annual | High-use season | | Low-use season | | Annual |
| | Weekend | Weekday | Weekend | Weekday | | Weekend | Weekday | Weekend | Weekday | |
| Galveston | | | | | | | | | | |
| 1983-84 | 52.5 | 41.3 | 24.8 | 34.3 | 39.7 | 2.7 | 3.4 | 2.5 | 3.6 | 3.1 |
| 1984-85 | 55.3 | 37.8 | 47.0 | 32.2 | 41.5 | 2.5 | 2.4 | 2.3 | 2.2 | 2.3 |
| Corpus Christi | | | | | | | | | | |
| 1983-84 | 45.9 | 18.1 | 24.9 | 17.0 | 25.0 | 2.5 | 2.7 | 2.6 | 2.6 | 2.6 |
| 1984-85 | 29.4 | 17.6 | 34.4 | 20.1 | 23.4 | 2.6 | 2.8 | 2.6 | 2.6 | 2.7 |
| Lower Laguna Madre | | | | | | | | | | |
| 1983-84 | 25.3 | 15.4 | 22.0 | 15.3 | 18.1 | 2.8 | 2.9 | 2.6 | 4.0 | 3.2 |
| 1984-85 | 19.3 | 17.9 | 11.2 | 16.6 | 16.6 | 2.4 | 2.4 | 2.2 | 2.2 | 2.4 |
| Coastwide | | | | | | | | | | |
| 1983-84 | 41.5 | 24.0 | 24.1 | 20.6 | 26.7 | 2.7 | 3.0 | 2.6 | 3.4 | 3.0 |
| 1984-85 | 34.4 | 24.4 | 31.6 | 22.5 | 27.1 | 2.5 | 2.5 | 2.4 | 2.4 | 2.4 |

Appendix H: Estimates for private-boat fishing in the Texas Territorial Sea (TTS).

Table H.1. Number of days surveyed and number of private-boat fishermen interviewed () in the TTS by season, day type and area (1982-1985). WE = weekend days. WD = weekdays.

| Year Season Day type | Area | | | | |
|----------------------------|-----------|-----------|----------------|--------------------|------------|
| | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide |
| 1982-83 | | | | | |
| High use | | | | | |
| WE | 31 (46) | 54 (268) | 54 (470) | 23 (81) | 162 (865) |
| WD | 66 (7) | 116 (104) | 122 (500) | 55 (33) | 359 (644) |
| Low use | | | | | |
| WE | 12 (0) | 24 (5) | 24 (2) | 12 (0) | 72 (7) |
| WD | 24 (0) | 48 (16) | 48 (2) | 24 (2) | 144 (20) |
| Annual | 133 (53) | 242 (393) | 248 (974) | 114 (116) | 737 (1536) |
| 1983-84 | | | | | |
| High use | | | | | |
| WE | 32 (25) | 45 (189) | 45 (300) | 31 (62) | 153 (576) |
| WD | 63 (2) | 83 (98) | 96 (203) | 66 (25) | 308 (328) |
| Low use | | | | | |
| WE | 12 (0) | 24 (37) | 20 (2) | 12 (4) | 68 (43) |
| WD | 24 (0) | 40 (0) | 41 (5) | 24 (3) | 129 (8) |
| Annual | 131 (27) | 192 (324) | 202 (510) | 133 (94) | 658 (955) |
| 1984-85 | | | | | |
| High use | | | | | |
| WE | 31 (11) | 39 (504) | 41 (537) | 31 (92) | 142 (1144) |
| WD | 65 (12) | 87 (98) | 95 (304) | 66 (33) | 313 (447) |
| Low use | | | | | |
| WE | 12 (0) | 19 (86) | 21 (6) | 12 (5) | 64 (97) |
| WD | 24 (0) | 41 (7) | 42 (7) | 24 (6) | 131 (20) |
| Annual | 132 (23) | 186 (695) | 199 (854) | 133 (136) | 650 (1708) |

Table H.2. Pressure estimates (man-h x 1000) \pm 1 SE for private-boat fishermen in the TTS by season and day type (1982-1985).

| Area Year | High-use season | | Low-use season | | Annual ^a |
|------------------------|------------------|-------------------|----------------|-----------------|---------------------|
| | Weekend | Weekday | Weekend | Weekday | |
| Galveston | | | | | |
| 1982-83 | 12.2 \pm 5.1 | 29.5 \pm 29.5 | 0.0 | 0.0 | 41.8 \pm 30.0 |
| 1983-84 | 1.4 \pm 0.8 | 135.9 \pm 135.9 | 0.0 | 0.0 | 137.3 \pm 135.9 |
| 1984-85 | 4.8 \pm 3.4 | 3.1 \pm 3.0 | 0.0 | 0.0 | 7.9 \pm 4.5 |
| Matagorda | | | | | |
| 1982-83 | 36.1 \pm 8.2 | 10.1 \pm 1.6 | 0.4 \pm 0.1 | 2.0 \pm 0.7 | 47.6 \pm 8.1 |
| 1983-84 | 14.0 \pm 4.9 | 4.3 \pm 1.5 | 2.1 \pm 1.2 | 0.0 | 20.4 \pm 5.3 |
| 1984-85 | 18.0 \pm 4.7 | 3.9 \pm 1.0 | 17.2 \pm 7.6 | 0.2 \pm 0.2 | 39.3 \pm 9.0 |
| Corpus Christi | | | | | |
| 1982-83 | 45.6 \pm 6.9 | 38.1 \pm 4.6 | 1.8 \pm 0.9 | 0.6 \pm 0.3 | 86.0 \pm 8.4 |
| 1983-84 | 72.9 \pm 32.3 | 45.8 \pm 15.1 | 3.4 \pm 3.4 | 24.5 \pm 23.7 | 146.7 \pm 42.9 |
| 1984-85 | 40.4 \pm 12.9 | 39.0 \pm 10.7 | 0.3 \pm 0.2 | 0.7 \pm 0.7 | 80.4 \pm 16.8 |
| Lower Laguna Madre | | | | | |
| 1982-83 | 7.6 \pm 2.5 | 3.8 \pm 1.7 | 0.0 | 0.4 \pm 0.4 | 11.9 \pm 3.1 |
| 1983-84 | 4.3 \pm 1.4 | 4.0 \pm 2.1 | 0.3 \pm 0.3 | 0.6 \pm 0.6 | 9.3 \pm 2.6 |
| 1984-85 | 7.0 \pm 2.7 | 11.1 \pm 7.0 | 2.6 \pm 2.0 | 1.5 \pm 1.4 | 22.2 \pm 7.9 |
| Coastwide ^a | | | | | |
| 1982-83 | 101.5 \pm 21.5 | 81.5 \pm 31.1 | 2.2 \pm 1.8 | 3.0 \pm 1.7 | 188.2 \pm 37.9 |
| 1983-84 | 92.6 \pm 32.7 | 190.0 \pm 136.7 | 5.8 \pm 3.6 | 25.1 \pm 23.7 | 313.6 \pm 142.6 |
| 1984-85 | 70.1 \pm 14.4 | 57.2 \pm 13.1 | 20.0 \pm 7.9 | 2.5 \pm 1.6 | 149.8 \pm 21.1 |

^aDue to rounding of numbers, these totals may not exactly equal individual totals.

Table H.3. Annual estimated landings of fishes (No. x 1000) \pm 1 SE caught by private-boat fishermen in the TTS by species and area (1982-1985).

| Species Year Day type | Area | | | | |
|-----------------------------|---------------|-----------------|----------------|--------------------|------------------------|
| | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide ^a |
| Atlantic croaker | | | | | |
| 1982-83 | 0.3 \pm 0.2 | 0.3 \pm 0.1 | 0.1 \pm <.1 | 0.3 \pm 0.3 | 1.1 \pm 0.4 |
| 1983-84 | 0.1 \pm 0.1 | 0.1 \pm 0.1 | 0.0 | 0.0 | 0.1 \pm 0.1 |
| 1984-85 | <.1 \pm <.1 | 0.2 \pm 0.1 | <.1 \pm <.1 | 0.0 | 0.2 \pm 0.1 |
| Atlantic sharpnose shark | | | | | |
| 1982-83 ^b | | | | | |
| 1983-84 | 0.0 | <.1 \pm <.1 | 0.5 \pm 0.4 | 0.0 | 0.5 \pm 0.4 |
| 1984-85 | 0.0 | <.1 \pm <.1 | 0.2 \pm 0.2 | 0.0 | 0.3 \pm 0.2 |
| Cobia | | | | | |
| 1982-83 | 0.6 \pm 0.6 | 0.2 \pm <.1 | 0.1 \pm <.1 | <.1 \pm <.1 | 0.9 \pm 0.6 |
| 1983-84 | 0.0 | <.1 \pm <.1 | <.1 \pm <.1 | <.1 \pm <.1 | 0.1 \pm <.1 |
| 1984-85 | 0.0 | <.1 \pm <.1 | 0.1 \pm 0.1 | <.1 \pm <.1 | 0.1 \pm 0.1 |
| King mackerel | | | | | |
| 1982-83 | 8.2 \pm 7.3 | 2.5 \pm 0.5 | 5.2 \pm 0.8 | 0.4 \pm 0.2 | 16.4 \pm 7.5 |
| 1983-84 | 0.0 | 1.1 \pm 0.5 | 9.4 \pm 3.5 | 0.5 \pm 0.3 | 11.0 \pm 3.6 |
| 1984-85 | 0.0 | 0.7 \pm 0.2 | 7.4 \pm 2.2 | 0.7 \pm 0.4 | 8.8 \pm 2.2 |
| Red drum | | | | | |
| 1982-83 | 0.0 | 0.2 \pm <.1 | <.1 \pm <.1 | 0.0 | 0.2 \pm 0.1 |
| 1983-84 | 0.0 | 0.4 \pm 0.2 | <.1 \pm <.1 | <.1 \pm <.1 | 0.4 \pm 0.2 |
| 1984-85 | 0.0 | 0.2 \pm 0.1 | 0.3 \pm 0.3 | <.1 \pm <.1 | 0.5 \pm 0.3 |
| Red snapper | | | | | |
| 1982-83 | 0.7 \pm 0.7 | 15.8 \pm 7.0 | 1.2 \pm 0.5 | 2.4 \pm 1.1 | 20.1 \pm 13.5 |
| 1983-84 | <.1 \pm <.1 | 1.1 \pm 0.6 | 0.8 \pm 0.5 | 1.6 \pm 0.7 | 3.5 \pm 1.1 |
| 1984-85 | 0.0 | 3.1 \pm 2.6 | 0.1 \pm <.1 | 0.1 \pm 0.1 | 3.3 \pm 2.6 |
| Sand seatrout | | | | | |
| 1982-83 | 0.2 \pm 0.2 | 47.7 \pm 18.5 | 5.7 \pm 1.6 | 0.7 \pm 0.4 | 54.3 \pm 35.6 |
| 1983-84 | 0.2 \pm 0.2 | 7.4 \pm 4.2 | <.1 \pm <.1 | 0.0 | 7.7 \pm 4.2 |
| 1984-85 | 1.6 \pm 1.6 | 19.3 \pm 16.6 | 0.6 \pm 0.4 | 0.0 | 21.5 \pm 16.7 |
| Spanish mackerel | | | | | |
| 1982-83 | 1.2 \pm 1.1 | 1.4 \pm 0.6 | 0.5 \pm 0.1 | 0.0 | 3.0 \pm 1.7 |
| 1983-84 | 0.0 | 0.5 \pm 0.4 | 0.4 \pm 0.2 | 0.3 \pm 0.3 | 1.2 \pm 0.6 |
| 1984-85 | 0.0 | 0.1 \pm <.1 | <.1 \pm <.1 | 2.6 \pm 2.6 | 2.7 \pm 2.6 |
| Spotted seatrout | | | | | |
| 1982-83 | 1.3 \pm 1.1 | 1.5 \pm 0.3 | 0.3 \pm 0.1 | 0.2 \pm 0.2 | 3.4 \pm 1.3 |
| 1983-84 | 0.0 | 3.1 \pm 1.8 | <.1 \pm <.1 | 0.1 \pm 0.1 | 3.1 \pm 1.9 |
| 1984-85 | 0.3 \pm 0.3 | 0.9 \pm 0.4 | <.1 \pm <.1 | 0.2 \pm 0.2 | 1.4 \pm 0.5 |

Table H.3. (Cont'd.)

| Species Year Day type | Area | | | | |
|-----------------------------------|------------|-------------|-------------------|-----------------------|------------------------|
| | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide ^a |
| Vermilion snapper | | | | | |
| 1982-83 ^b | | | | | |
| 1983-84 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984-85 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Other species | | | | | |
| 1982-83 | 2.1 ± 1.3 | 2.3 ± 0.7 | 3.3 ± 0.1 | 0.3 ± 0.1 | 8.0 ± 2.1 |
| 1983-84 | 0.1 ± 0.1 | 2.0 | 2.8 | 0.1 | 5.1 |
| 1984-85 | <.1 | 3.2 | 2.1 | 0.3 ± 0.2 | 5.8 |
| All species combined ^a | | | | | |
| 1982-83 | 14.5 ± 9.8 | 71.9 ± 26.6 | 16.5 ± 2.6 | 4.3 ± 1.7 | 107.3 ± 52.4 |
| 1983-84 | 0.5 ± 0.3 | 15.7 ± 5.4 | 13.9 ± 4.4 | 2.7 ± 0.9 | 32.7 ± 7.0 |
| 1984-85 | 1.9 ± 1.9 | 27.7 ± 17.2 | 11.0 ± 2.7 | 4.0 ± 2.8 | 44.6 ± 17.8 |

^aDue to rounding of numbers, these totals may not exactly equal individual totals.

^bThis species is included in other species in this year.

Table H.4. Estimated landings of fishes (No. x 1000) \pm 1 SE caught by private-boat fishermen in the TTS during the high-use season by species, day type and area (1982-1984).

| Species | Year | Day type | Area | | | | |
|--------------------------|------|----------|---------------|---------------|----------------|--------------------|------------------------|
| | | | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide ^a |
| Atlantic croaker | | | | | | | |
| 1982 | | | | | | | |
| | | Weekend | 0.3 \pm 0.2 | 0.2 \pm 0.1 | 0.1 \pm <.1 | 0.0 | 0.7 \pm 0.3 |
| | | Weekday | 0.0 | 0.0 | 0.0 | 0.3 \pm 0.3 | 0.3 \pm 0.3 |
| 1983 | | | | | | | |
| | | Weekend | 0.1 \pm 0.1 | 0.0 | 0.0 | 0.0 | 0.1 \pm 0.1 |
| | | Weekday | 0.0 | 0.1 \pm 0.1 | 0.0 | 0.0 | 0.1 \pm 0.1 |
| 1984 | | | | | | | |
| | | Weekend | 0.0 | 0.1 \pm 0.1 | 0.0 | 0.0 | 0.1 \pm 0.1 |
| | | Weekday | <.1 \pm <.1 | <.1 \pm <.1 | <.1 \pm <.1 | 0.0 | <.1 \pm <.1 |
| Atlantic sharpnose shark | | | | | | | |
| 1982 ^b | | | | | | | |
| | | Weekend | | | | | |
| | | Weekday | | | | | |
| 1983 | | | | | | | |
| | | Weekend | 0.0 | 0.0 | 0.1 \pm 0.1 | 0.0 | 0.1 \pm 0.1 |
| | | Weekday | 0.0 | <.1 \pm <.1 | 0.4 \pm 0.4 | 0.0 | 0.4 \pm 0.4 |
| 1984 | | | | | | | |
| | | Weekend | 0.0 | <.1 \pm <.1 | 0.1 \pm 0.1 | 0.0 | 0.2 \pm 0.1 |
| | | Weekday | 0.0 | <.1 \pm <.1 | <.1 \pm <.1 | 0.0 | <.1 \pm <.1 |
| Cobia | | | | | | | |
| 1982 | | | | | | | |
| | | Weekend | 0.0 | 0.1 \pm <.1 | <.1 \pm <.1 | <.1 \pm <.1 | 0.2 \pm 0.1 |
| | | Weekday | 0.6 \pm 0.6 | 0.1 \pm <.1 | <.1 \pm <.1 | 0.0 | 0.7 \pm 0.6 |
| 1983 | | | | | | | |
| | | Weekend | 0.0 | <.1 \pm <.1 | <.1 \pm <.1 | <.1 \pm <.1 | <.1 \pm <.1 |
| | | Weekday | 0.0 | <.1 \pm <.1 | <.1 \pm <.1 | 0.0 | <.1 \pm <.1 |
| 1984 | | | | | | | |
| | | Weekend | 0.0 | <.1 \pm <.1 | <.1 \pm <.1 | <.1 \pm <.1 | <.1 \pm <.1 |
| | | Weekday | 0.0 | 0.0 | 0.1 \pm 0.1 | 0.0 | 0.1 \pm 0.1 |
| King mackerel | | | | | | | |
| 1982 | | | | | | | |
| | | Weekend | 1.0 \pm 1.0 | 2.0 \pm 0.4 | 1.5 \pm 0.3 | 0.3 \pm 0.2 | 4.9 \pm 1.4 |
| | | Weekday | 7.2 \pm 7.2 | 0.5 \pm 0.1 | 3.7 \pm 0.7 | <.1 \pm <.1 | 11.5 \pm 7.4 |
| 1983 | | | | | | | |
| | | Weekend | 0.0 | 0.7 \pm 0.5 | 2.5 \pm 1.5 | 0.1 \pm 0.1 | 3.4 \pm 1.6 |
| | | Weekday | 0.0 | 0.4 \pm 0.2 | 6.9 \pm 3.2 | 0.4 \pm 0.3 | 7.7 \pm 3.2 |
| 1984 | | | | | | | |
| | | Weekend | 0.0 | 0.5 \pm 0.2 | 2.7 \pm 1.1 | 0.5 \pm 0.3 | 3.6 \pm 1.1 |
| | | Weekday | 0.0 | 0.2 \pm 0.1 | 3.6 \pm 1.5 | 0.2 \pm 0.2 | 4.0 \pm 1.5 |

Table H.4. (Cont'd.)

| Species | Area | | | | | |
|------------------|---------|-----------|-------------|----------------|--------------------|------------------------|
| | Year | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide ^a |
| | | | | | | |
| Red drum | | | | | | |
| 1982 | | | | | | |
| | Weekend | 0.0 | <.1 ± <.1 | 0.0 | 0.0 | <.1 ± <.1 |
| | Weekday | 0.0 | 0.1 ± <.1 | <.1 ± <.1 | 0.0 | 0.1 ± 0.1 |
| 1983 | | | | | | |
| | Weekend | 0.0 | 0.2 ± 0.2 | 0.0 | 0.0 | 0.2 ± 0.2 |
| | Weekday | 0.0 | 0.1 ± 0.1 | <.1 ± <.1 | 0.0 | 0.1 ± 0.1 |
| 1984 | | | | | | |
| | Weekend | 0.0 | 0.1 ± 0.1 | 0.0 | 0.0 | 0.1 ± 0.1 |
| | Weekday | 0.0 | 0.1 ± <.1 | 0.3 ± 0.3 | <.1 ± <.1 | 0.3 ± 0.3 |
| Red snapper | | | | | | |
| 1982 | | | | | | |
| | Weekend | 0.7 ± 0.7 | 13.7 ± 7.2 | 0.9 ± 0.3 | 0.5 ± 0.3 | 15.9 ± 13.4 |
| | Weekday | 0.0 | 0.7 ± 0.3 | 0.3 ± 0.1 | 1.8 ± 1.0 | 2.8 ± 1.2 |
| 1983 | | | | | | |
| | Weekend | <.1 ± <.1 | 0.7 ± 0.6 | 0.6 ± 0.5 | 1.5 ± 0.7 | 2.8 ± 1.0 |
| | Weekday | 0.0 | 0.3 ± 0.3 | 0.2 ± 0.1 | 0.1 ± 0.1 | 0.6 ± 0.3 |
| 1984 | | | | | | |
| | Weekend | 0.0 | 0.1 ± 0.1 | <.1 ± <.1 | 0.1 ± 0.1 | 0.2 ± 0.1 |
| | Weekday | 0.0 | 0.1 ± <.1 | <.1 ± <.1 | <.1 ± <.1 | 0.1 ± <.1 |
| Sand seatrout | | | | | | |
| 1982 | | | | | | |
| | Weekend | 0.2 ± 0.2 | 36.7 ± 18.8 | 4.7 ± 1.6 | 0.2 ± 0.2 | 41.8 ± 35.0 |
| | Weekday | 0.0 | 5.4 ± 2.8 | 1.0 ± 0.5 | 0.4 ± 0.3 | 6.9 ± 5.4 |
| 1983 | | | | | | |
| | Weekend | 0.2 ± 0.2 | 0.4 ± 0.3 | 0.0 | 0.0 | 0.6 ± 0.4 |
| | Weekday | 0.0 | 0.0 | <.1 ± <.1 | 0.0 | <.1 ± <.1 |
| 1984 | | | | | | |
| | Weekend | 0.0 | 1.3 ± 0.6 | 0.7 ± 0.6 | 0.0 | 1.9 ± 0.8 |
| | Weekday | 1.6 ± 1.6 | 0.1 ± 0.1 | 0.2 ± 0.1 | 0.0 | 1.8 ± 1.6 |
| Spanish mackerel | | | | | | |
| 1982 | | | | | | |
| | Weekend | 0.1 ± 0.1 | 1.3 ± 0.6 | 0.2 ± <.1 | 0.0 | 1.6 ± 1.2 |
| | Weekday | 1.1 ± 1.1 | <.1 ± <.1 | 0.3 ± 0.1 | 0.0 | 1.5 ± 1.1 |
| 1983 | | | | | | |
| | Weekend | 0.0 | 0.5 ± 0.4 | 0.2 ± 0.2 | 0.3 ± 0.3 | 1.0 ± 0.5 |
| | Weekday | 0.0 | <.1 ± <.1 | 0.2 ± 0.1 | 0.0 | 0.2 ± 0.1 |
| 1984 | | | | | | |
| | Weekend | 0.0 | 0.1 ± <.1 | <.1 ± <.1 | 0.0 | 0.1 ± <.1 |
| | Weekday | 0.0 | <.1 ± <.1 | 0.0 | 2.6 ± 2.6 | 2.6 ± 2.6 |

Table H.4. (Cont'd.)

| Species Year Day type | Area | | | | |
|-----------------------------------|-----------|-------------|----------------|--------------------|------------------------|
| | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide ^a |
| Spotted seatrout | | | | | |
| 1982 | | | | | |
| Weekend | 1.3 ± 1.1 | 1.1 ± 0.3 | 0.1 ± <.1 | 0.2 ± 0.2 | 2.8 ± 1.3 |
| Weekday | 0.0 | 0.2 ± 0.1 | 0.2 ± <.1 | 0.0 | 0.4 ± 0.2 |
| 1983 | | | | | |
| Weekend | 0.0 | 2.7 ± 1.8 | 0.0 | 0.1 ± 0.1 | 2.8 ± 1.8 |
| Weekday | 0.0 | 0.4 ± 0.2 | <.1 ± <.1 | 0.0 | 0.4 ± 0.2 |
| 1984 | | | | | |
| Weekend | 0.0 | 0.5 ± 0.3 | 0.0 | 0.0 | 0.5 ± 0.3 |
| Weekday | 0.3 ± 0.3 | 0.4 ± 0.2 | 0.1 ± <.1 | 0.2 ± 0.2 | 0.9 ± 0.4 |
| Vermilion snapper | | | | | |
| 1982 ^b | | | | | |
| Weekend | | | | | |
| Weekday | | | | | |
| 1983 | | | | | |
| Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | | | | | |
| Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Other species | | | | | |
| 1982 | | | | | |
| Weekend | 1.5 ± 1.1 | 1.7 ± 0.6 | 2.1 ± 0.5 | 0.1 ± 0.1 | 5.4 ± 1.9 |
| Weekday | 0.6 ± 0.6 | 0.1 ± <.1 | 1.1 ± 0.2 | 0.2 ± 0.1 | 2.0 ± 0.7 |
| 1983 | | | | | |
| Weekend | 0.2 | 0.8 | 1.8 ± 0.9 | <.1 ± <.1 | 2.8 |
| Weekday | 0.0 | 0.8 | 1.0 | <.1 ± <.1 | 1.8 |
| 1984 | | | | | |
| Weekend | 0.0 | 1.3 | 0.5 | 0.1 ± <.1 | 1.9 |
| Weekday | <.1 | 0.7 | 1.5 | <.1 ± <.1 | 2.3 |
| All species combined ^a | | | | | |
| 1982 | | | | | |
| Weekend | 5.1 ± 2.7 | 57.0 ± 27.4 | 9.7 ± 2.4 | 1.5 ± 0.1 | 73.3 ± 51.0 |
| Weekday | 9.5 ± 9.5 | 7.2 ± 2.8 | 6.8 ± 1.1 | 2.7 ± 1.6 | 26.1 ± 11.2 |
| 1983 | | | | | |
| Weekend | 0.5 ± 0.3 | 6.0 ± 3.0 | 5.3 ± 2.6 | 2.0 ± 0.8 | 13.7 ± 4.0 |
| Weekday | 0.0 | 2.1 ± 0.8 | 8.6 ± 3.6 | 0.5 ± 0.3 | 11.3 ± 3.7 |
| 1984 | | | | | |
| Weekend | 0.0 | 4.0 ± 1.3 | 4.1 ± 1.3 | 0.6 ± 0.3 | 8.7 ± 1.9 |
| Weekday | 1.9 ± 1.9 | 1.5 ± 0.6 | 5.7 ± 2.0 | 3.1 ± 2.8 | 12.2 ± 3.9 |

^aDue to rounding of numbers, these totals may not exactly equal individual totals.

^bThis species is included in other species in this year.

Table H.5. Estimated landings of fishes (No. x 1000) \pm 1 SE caught by private-boat fishermen in the TTS during the low-use season by species, day type and area (1982-1985).

| Species | Year | Area | | | | |
|--------------------------|---------|-----------|---------------|----------------|--------------------|------------------------|
| | | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide ^a |
| Day type | | | | | | |
| Atlantic croaker | | | | | | |
| 1982-83 | | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.1 \pm <.1 | 0.0 | 0.0 | 0.1 \pm 0.1 |
| 1983-84 | | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984-85 | | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Atlantic sharpnose shark | | | | | | |
| 1982-83 ^b | | | | | | |
| | Weekend | | | | | |
| | Weekday | | | | | |
| 1983-84 | | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984-85 | | | | | | |
| | Weekend | 0.0 | <.1 \pm <.1 | 0.0 | 0.0 | <.1 \pm <.1 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Cobia | | | | | | |
| 1982-83 | | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983-84 | | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984-85 | | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| King mackerel | | | | | | |
| 1982-83 | | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983-84 | | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984-85 | | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table H.5. (Cont'd.)

| Species | Year | Day type | Area | | | | |
|------------------|------|----------|-----------|-------------|----------------|--------------------|------------------------|
| | | | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide ^a |
| Red drum | | | | | | | |
| 1982-83 | | | | | | | |
| | | Weekend | 0.0 | <.1 ± <.1 | 0.0 | 0.0 | <.1 ± <.1 |
| | | Weekday | 0.0 | <.1 ± <.1 | 0.0 | 0.0 | <.1 ± <.1 |
| 1983-84 | | | | | | | |
| | | Weekend | 0.0 | <.1 ± <.1 | 0.0 | 0.0 | <.1 ± <.1 |
| | | Weekday | 0.0 | 0.0 | 0.0 | <.1 ± <.1 | <.1 ± <.1 |
| 1984-85 | | | | | | | |
| | | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Red snapper | | | | | | | |
| 1982-83 | | | | | | | |
| | | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Weekday | 0.0 | 1.3 ± 0.5 | 0.0 | 0.1 ± 0.1 | 1.5 ± 1.1 |
| 1983-84 | | | | | | | |
| | | Weekend | 0.0 | 0.1 ± 0.1 | 0.0 | 0.0 | 0.1 ± 0.1 |
| | | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984-85 | | | | | | | |
| | | Weekend | 0.0 | 2.9 ± 2.6 | <.1 ± <.1 | 0.0 | 2.9 ± 2.6 |
| | | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Sand seatrout | | | | | | | |
| 1982-83 | | | | | | | |
| | | Weekend | 0.0 | 1.1 ± 0.5 | 0.0 | 0.0 | 1.1 ± 1.1 |
| | | Weekday | 0.0 | 4.5 ± 1.7 | 0.0 | 0.0 | 4.5 ± 3.5 |
| 1983-84 | | | | | | | |
| | | Weekend | 0.0 | 7.0 ± 4.2 | 0.0 | 0.0 | 7.0 ± 4.2 |
| | | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984-85 | | | | | | | |
| | | Weekend | 0.0 | 17.5 ± 16.6 | 0.0 | 0.0 | 17.5 ± 16.6 |
| | | Weekday | 0.0 | 0.2 ± 0.2 | 0.0 | 0.0 | 0.2 ± 0.2 |
| Spanish mackerel | | | | | | | |
| 1982-83 | | | | | | | |
| | | Weekend | 0.0 | <.1 ± <.1 | 0.0 | 0.0 | <.1 ± <.1 |
| | | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983-84 | | | | | | | |
| | | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984-85 | | | | | | | |
| | | Weekend | 0.0 | <.1 ± <.1 | 0.0 | 0.0 | <.1 ± <.1 |
| | | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table H.5. (Cont'd.)

| Species | Year | Area | | | | |
|-----------------------------------|----------|-----------|-------------|----------------|--------------------|------------------------|
| | | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide ^a |
| | Day type | | | | | |
| Spotted seatrout | | | | | | |
| 1982-83 | | | | | | |
| | Weekend | 0.0 | 0.1 ± <.1 | 0.0 | 0.0 | 0.1 ± 0.1 |
| | Weekday | 0.0 | <.1 ± <.1 | 0.0 | 0.0 | <.1 ± <.1 |
| 1983-84 | | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984-85 | | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Vermilion snapper | | | | | | |
| 1982-83 ^b | | | | | | |
| | Weekend | | | | | |
| | Weekday | | | | | |
| 1983-84 | | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984-85 | | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Other species | | | | | | |
| 1982-83 | | | | | | |
| | Weekend | 0.0 | 0.0 | 0.1 ± <.1 | 0.0 | 0.1 ± 0.1 |
| | Weekday | 0.0 | 0.4 ± 0.2 | 0.0 | 0.0 | 0.4 ± 0.4 |
| 1983-84 | | | | | | |
| | Weekend | 0.0 | 0.4 | 0.0 | 0.1 | 0.5 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984-85 | | | | | | |
| | Weekend | 0.0 | 0.9 | 0.0 | 0.2 ± 0.2 | 1.8 |
| | Weekday | 0.0 | 0.1 | 0.0 | 0.1 ± 0.1 | 0.2 |
| All species combined ^a | | | | | | |
| 1982-83 | | | | | | |
| | Weekend | 0.0 | 1.2 ± 0.5 | 0.1 ± <.1 | 0.0 | 1.4 ± 1.1 |
| | Weekday | 0.0 | 6.4 ± 2.5 | 0.0 | 0.1 ± 0.1 | 6.6 ± 5.1 |
| 1983-84 | | | | | | |
| | Weekend | 0.0 | 7.6 ± 4.4 | 0.0 | 0.1 ± 0.1 | 7.7 ± 4.4 |
| | Weekday | 0.0 | 0.0 | 0.0 | <.1 ± <.1 | <.1 ± <.1 |
| 1984-85 | | | | | | |
| | Weekend | 0.0 | 21.3 ± 17.2 | <.1 ± <.1 | 0.2 ± 0.2 | 21.5 ± 17.2 |
| | Weekday | 0.0 | 0.3 ± 0.2 | 0.0 | 0.1 ± 0.1 | 0.4 ± 0.2 |

^aDue to rounding of numbers, these totals may not exactly equal individual totals.

^bThis species is included in other species in this year.

Table H.6. Annual mean catch rates of fishes (No./man-h) \pm 1 SE caught by private-boat fishermen in the TTS by species and area (1982-1985).

| Species Year | Area | | | | |
|--------------------------|-----------------|-----------------|-----------------|--------------------|-----------------|
| | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide |
| Atlantic croaker | | | | | |
| 1982-83 | 0.01 \pm 0.01 | 0.01 \pm <.01 | <.01 \pm <.01 | 0.02 \pm 0.02 | 0.01 \pm <.01 |
| 1983-84 | <.01 \pm <.01 | <.01 \pm <.01 | 0.00 | 0.00 | <.01 \pm <.01 |
| 1984-85 | <.01 \pm <.01 | <.01 \pm <.01 | <.01 \pm <.01 | 0.00 | <.01 \pm <.01 |
| Atlantic sharpnose shark | | | | | |
| 1982-83 ^b | | | | | |
| 1983-84 | 0.00 | <.01 \pm <.01 | <.01 \pm <.01 | 0.00 | <.01 \pm <.01 |
| 1984-85 | 0.00 | <.01 \pm <.01 | <.01 \pm <.01 | 0.00 | <.01 \pm <.01 |
| Cobia | | | | | |
| 1982-83 | 0.01 \pm 0.01 | <.01 \pm <.01 | <.01 \pm <.01 | <.01 \pm <.01 | <.01 \pm <.01 |
| 1983-84 | 0.00 | <.01 \pm <.01 | <.01 \pm <.01 | <.01 \pm <.01 | <.01 \pm <.01 |
| 1984-85 | 0.0 | <.01 \pm <.01 | <.01 \pm <.01 | <.01 \pm <.01 | <.01 \pm <.01 |
| King mackerel | | | | | |
| 1982-83 | 0.20 \pm 0.19 | 0.05 \pm 0.02 | 0.06 \pm 0.02 | 0.03 \pm 0.02 | 0.09 \pm 0.04 |
| 1983-1984 | 0.00 | 0.05 \pm 0.03 | 0.06 \pm 0.03 | 0.06 \pm 0.04 | 0.04 \pm 0.02 |
| 1984-85 | 0.00 | 0.02 \pm 0.01 | 0.09 \pm 0.03 | 0.03 \pm 0.02 | 0.06 \pm 0.02 |
| Red drum | | | | | |
| 1982-83 | 0.00 | <.01 \pm <.01 | <.01 \pm <.01 | 0.00 | <.01 \pm <.01 |
| 1983-84 | 0.00 | 0.02 \pm 0.01 | <.01 \pm <.01 | <.01 \pm <.01 | <.01 \pm <.01 |
| 1984-85 | 0.00 | <.01 \pm <.01 | <.01 \pm <.01 | <.01 \pm <.01 | <.01 \pm <.01 |
| Red snapper | | | | | |
| 1982-83 | 0.02 \pm 0.02 | 0.33 \pm 0.23 | 0.01 \pm 0.01 | 0.20 \pm 0.10 | 0.11 \pm 0.07 |
| 1983-84 | <.01 \pm <.01 | 0.05 \pm 0.03 | <.01 \pm <.01 | 0.18 \pm 0.09 | 0.01 \pm 0.01 |
| 1984-85 | 0.00 | 0.08 \pm 0.07 | <.01 \pm <.01 | <.01 \pm <.01 | 0.02 \pm 0.02 |
| Sand seatrout | | | | | |
| 1982-83 | <.01 \pm <.01 | 1.00 \pm 0.64 | 0.07 \pm 0.04 | 0.06 \pm 0.04 | 0.29 \pm 0.19 |
| 1983-84 | <.01 \pm <.01 | 0.36 \pm 0.22 | <.01 \pm <.01 | 0.00 | 0.02 \pm 0.02 |
| 1984-85 | 0.20 \pm 0.20 | 0.49 \pm 0.43 | <.01 \pm <.01 | 0.00 | 0.14 \pm 0.11 |
| Spanish mackerel | | | | | |
| 1982-83 | 0.03 \pm 0.03 | 0.03 \pm 0.02 | 0.01 \pm <.01 | 0.00 | 0.02 \pm 0.01 |
| 1983-84 | 0.00 | 0.02 \pm 0.02 | <.01 \pm <.01 | 0.03 \pm 0.03 | <.01 \pm <.01 |
| 1984-85 | 0.00 | <.01 \pm <.01 | <.01 \pm <.01 | 0.12 \pm 0.12 | 0.02 \pm 0.02 |
| Spotted seatrout | | | | | |
| 1982-83 | 0.03 \pm 0.03 | 0.03 \pm 0.02 | <.01 \pm <.01 | 0.02 \pm 0.02 | 0.02 \pm 0.01 |
| 1983-84 | 0.00 | 0.15 \pm 0.10 | <.01 \pm <.01 | 0.01 \pm 0.01 | 0.01 \pm 0.01 |
| 1984-85 | <.01 \pm <.01 | 0.02 \pm 0.01 | <.01 \pm <.01 | 0.01 \pm 0.01 | 0.01 \pm <.01 |

Table H.6. (Cont'd.)

| Species Year | Area | | | | |
|-----------------------------------|-------------|-------------|-------------------|-----------------------|-------------|
| | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide |
| Vermilion snapper | | | | | |
| 1982-83 ^b | | | | | |
| 1983-84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1984-85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other species | | | | | |
| 1982-83 | 0.05 ± 0.04 | 0.05 ± 0.02 | 0.04 ± 0.01 | 0.03 ± 0.01 | 0.04 ± 0.01 |
| 1983-84 | <.01 ± <.01 | 0.10 | 0.02 ± 0.01 | 0.02 | 0.02 |
| 1984-85 | <.01 ± <.01 | 0.08 | 0.03 | 0.02 ± 0.01 | 0.04 |
| All species combined ^a | | | | | |
| 1982-83 | 0.35 ± 0.30 | 1.51 ± 0.92 | 0.19 ± 0.06 | 0.36 ± 0.17 | 0.57 ± 0.30 |
| 1983-84 | <.01 ± <.01 | 0.77 ± 0.32 | 0.10 ± 0.04 | 0.29 ± 0.12 | 0.10 ± 0.05 |
| 1984-85 | 0.24 ± 0.24 | 0.70 ± 0.46 | 0.14 ± 0.04 | 0.18 ± 0.14 | 0.30 ± 0.13 |

^aDue to rounding of numbers, these totals may not exactly equal individual totals.

^bThis species is included in other species in this year.

Table H.7. Mean catch rates of fishes (No./man-h) \pm 1 SE caught by private-boat fishermen in the TTS during the high-use season by species, day type and area (1982-1984).

| Species | Year | Day type | Area | | | | |
|--------------------------|---------|----------|-----------------|-----------------|-----------------|--------------------|-----------------|
| | | | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide |
| Atlantic croaker | | | | | | | |
| 1982 | | | | | | | |
| | Weekend | | 0.03 \pm 0.02 | 0.01 \pm <.01 | <.01 \pm <.01 | 0.00 | 0.01 \pm <.01 |
| | Weekday | | 0.00 | 0.00 | 0.00 | 0.07 \pm 0.07 | <.01 \pm <.01 |
| 1983 | | | | | | | |
| | Weekend | | 0.05 \pm 0.05 | 0.00 | 0.00 | 0.00 | <.01 \pm <.01 |
| | Weekday | | 0.00 | 0.02 \pm 0.02 | 0.00 | 0.00 | <.01 \pm <.01 |
| 1984 | | | | | | | |
| | Weekend | | 0.00 | 0.01 \pm <.01 | 0.00 | 0.00 | <.01 \pm <.01 |
| | Weekday | | <.01 \pm <.01 | 0.01 \pm <.01 | <.01 \pm <.01 | 0.00 | <.01 \pm <.01 |
| Atlantic sharpnose shark | | | | | | | |
| 1982 ^b | | | | | | | |
| | Weekend | | | | | | |
| | Weekday | | | | | | |
| 1983 | | | | | | | |
| | Weekend | | 0.00 | 0.00 | <.01 \pm <.01 | 0.00 | <.01 \pm <.01 |
| | Weekday | | 0.00 | <.01 \pm <.01 | 0.01 \pm 0.01 | 0.00 | <.01 \pm <.01 |
| 1984 | | | | | | | |
| | Weekend | | 0.00 | <.01 \pm <.01 | <.01 \pm <.01 | 0.00 | <.01 \pm <.01 |
| | Weekday | | 0.00 | <.01 \pm <.01 | <.01 \pm <.01 | 0.00 | <.01 \pm <.01 |
| Cobia | | | | | | | |
| 1982 | | | | | | | |
| | Weekend | | 0.00 | <.01 \pm <.01 | <.01 \pm <.01 | <.01 \pm <.01 | <.01 \pm <.01 |
| | Weekday | | 0.02 \pm 0.02 | 0.01 \pm <.01 | <.01 \pm <.01 | 0.00 | 0.01 \pm 0.01 |
| 1983 | | | | | | | |
| | Weekend | | 0.00 | <.01 \pm <.01 | <.01 \pm <.01 | <.01 \pm <.01 | <.01 \pm <.01 |
| | Weekday | | 0.00 | <.01 \pm <.01 | <.01 \pm <.01 | 0.00 | <.01 \pm <.01 |
| 1984 | | | | | | | |
| | Weekend | | 0.00 | <.01 \pm <.01 | <.01 \pm <.01 | <.01 \pm <.01 | <.01 \pm <.01 |
| | Weekday | | 0.00 | 0.00 | <.01 \pm <.01 | 0.00 | <.01 \pm <.01 |
| King mackerel | | | | | | | |
| 1982 | | | | | | | |
| | Weekend | | 0.08 \pm 0.08 | 0.06 \pm 0.03 | 0.03 \pm 0.01 | 0.04 \pm 0.03 | 0.05 \pm 0.02 |
| | Weekday | | 0.24 \pm 0.24 | 0.05 \pm 0.02 | 0.10 \pm 0.04 | 0.01 \pm 0.01 | 0.14 \pm 0.10 |
| 1983 | | | | | | | |
| | Weekend | | 0.00 | 0.05 \pm 0.04 | 0.04 \pm 0.02 | 0.02 \pm 0.02 | 0.04 \pm 0.02 |
| | Weekday | | 0.00 | 0.08 \pm 0.05 | 0.15 \pm 0.08 | 0.10 \pm 0.09 | 0.04 \pm 0.03 |
| 1984 | | | | | | | |
| | Weekend | | 0.00 | 0.03 \pm 0.02 | 0.07 \pm 0.04 | 0.07 \pm 0.04 | 0.06 \pm 0.02 |
| | Weekday | | 0.00 | 0.04 \pm 0.02 | 0.10 \pm 0.05 | 0.02 \pm 0.02 | 0.08 \pm 0.04 |

Table H.7. (Cont'd.)

| Species | Year | Area | | | | |
|-------------------------|---------|-------------|-------------|----------------|--------------------|-------------|
| | | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide |
| | | | | | | |
| Red drum | | | | | | |
| 1982 | | | | | | |
| | Weekend | 0.00 | <.01 ± <.01 | 0.00 | 0.00 | 0.00 |
| | Weekday | 0.00 | <.01 ± <.01 | <.01 ± <.01 | 0.00 | <.01 ± <.01 |
| 1983 | | | | | | |
| | Weekend | 0.00 | 0.02 ± 0.01 | 0.00 | 0.00 | <.01 ± <.01 |
| | Weekday | 0.00 | 0.03 ± 0.02 | <.01 ± <.01 | 0.00 | <.01 ± <.01 |
| 1984 | | | | | | |
| | Weekend | 0.00 | 0.01 ± <.01 | 0.00 | 0.00 | <.01 ± <.01 |
| | Weekday | 0.00 | 0.02 ± 0.01 | 0.01 ± 0.01 | <.01 ± <.01 | 0.01 ± <.01 |
| Red snapper | | | | | | |
| 1982 | | | | | | |
| | Weekend | 0.06 ± 0.06 | 0.38 ± 0.29 | 0.02 ± 0.01 | 0.07 ± 0.04 | 0.16 ± 0.13 |
| | Weekday | 0.00 | 0.07 ± 0.05 | 0.01 ± 0.01 | 0.46 ± 0.32 | 0.03 ± 0.02 |
| 1983 | | | | | | |
| | Weekend | 0.02 ± 0.02 | 0.05 ± 0.04 | 0.01 ± 0.01 | 0.35 ± 0.20 | 0.03 ± 0.02 |
| | Weekday | 0.00 | 0.06 ± 0.06 | <.01 ± <.01 | 0.03 ± 0.02 | <.01 ± <.01 |
| 1984 | | | | | | |
| | Weekend | 0.00 | 0.01 ± <.01 | <.01 ± <.01 | 0.01 ± 0.01 | <.01 ± <.01 |
| | Weekday | 0.00 | 0.02 ± 0.01 | <.01 ± <.01 | <.01 ± <.01 | <.01 ± <.01 |
| Sand seatrout | | | | | | |
| 1982 | | | | | | |
| | Weekend | 0.01 ± 0.01 | 1.02 ± 0.75 | 0.10 ± 0.06 | 0.03 ± 0.12 | 0.41 ± 0.35 |
| | Weekday | 0.00 | 0.54 ± 0.54 | 0.03 ± 0.02 | 0.03 ± 0.09 | 0.08 ± 0.07 |
| 1983 | | | | | | |
| | Weekend | 0.15 ± 0.15 | 0.03 ± 0.02 | 0.00 | 0.00 | 0.01 ± <.01 |
| | Weekday | 0.00 | 0.00 | <.01 ± <.01 | 0.00 | <.01 ± <.01 |
| 1984 | | | | | | |
| | Weekend | 0.00 | 0.08 ± 0.04 | 0.02 ± 0.02 | 0.00 | 0.03 ± 0.01 |
| | Weekday | 0.50 ± 0.50 | 0.03 ± 0.02 | <.01 ± <.01 | 0.00 | 0.03 ± 0.03 |
| Spanish mackerel | | | | | | |
| 1982 | | | | | | |
| | Weekend | 0.01 ± <.01 | 0.04 ± 0.03 | <.01 ± <.01 | 0.00 | 0.02 ± 0.01 |
| | Weekday | 0.04 ± 0.04 | <.01 ± <.01 | 0.01 ± <.01 | 0.00 | 0.02 ± 0.02 |
| 1983 | | | | | | |
| | Weekend | 0.00 | 0.03 ± 0.03 | <.01 ± <.01 | 0.06 ± 0.06 | 0.01 ± 0.01 |
| | Weekday | 0.00 | 0.01 ± 0.01 | <.01 ± <.01 | 0.00 | <.01 ± <.01 |
| 1984 | | | | | | |
| | Weekend | 0.00 | <.01 ± <.01 | <.01 ± <.01 | 0.00 | <.01 ± <.01 |
| | Weekday | 0.00 | <.01 ± <.01 | 0.00 | 0.24 ± 0.24 | 0.05 ± 0.05 |

Table H.7. (Cont'd.)

| Species | Year | Area | | | | Coastwide |
|-----------------------------------|---------|-------------|-------------|----------------|--------------------|-------------|
| | | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | |
| Day type | | | | | | |
| Spotted seatrout | | | | | | |
| 1982 | | | | | | |
| | Weekend | 0.11 ± 0.09 | 0.03 ± 0.03 | <.01 ± <.01 | 0.03 ± 0.03 | 0.03 ± 0.01 |
| | Weekday | 0.00 | 0.02 ± 0.02 | 0.01 ± <.01 | 0.00 | 0.01 ± <.01 |
| 1983 | | | | | | |
| | Weekend | 0.00 | 0.19 ± 0.14 | 0.00 | 0.02 ± 0.02 | 0.03 ± 0.02 |
| | Weekday | 0.00 | 0.08 ± 0.06 | <.01 ± <.01 | 0.00 | <.01 ± <.01 |
| 1984 | | | | | | |
| | Weekend | 0.00 | 0.03 ± 0.02 | 0.00 | 0.00 | 0.01 ± <.01 |
| | Weekday | 0.10 ± 0.10 | 0.10 ± 0.06 | <.01 ± <.01 | 0.02 ± 0.02 | 0.02 ± 0.01 |
| Vermilion snapper | | | | | | |
| 1982 ^b | | | | | | |
| | Weekend | | | | | |
| | Weekday | | | | | |
| 1983 | | | | | | |
| | Weekend | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Weekday | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1984 | | | | | | |
| | Weekend | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Weekday | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other species | | | | | | |
| 1982 | | | | | | |
| | Weekend | 0.12 ± 0.10 | 0.05 ± 0.03 | 0.05 ± 0.02 | 0.02 ± 0.01 | 0.05 ± 0.02 |
| | Weekday | 0.02 ± 0.02 | 0.01 ± 0.01 | 0.03 ± 0.01 | 0.04 ± 0.03 | 0.72 ± 0.51 |
| 1983 | | | | | | |
| | Weekend | 0.12 | 0.06 | 0.02 ± 0.02 | 0.01 ± <.01 | 0.03 |
| | Weekday | 0.00 | 0.20 | 0.02 ± 0.01 | <.01 ± <.01 | 0.01 |
| 1984 | | | | | | |
| | Weekend | 0.00 | 0.08 | 0.02 ± 0.01 | 0.01 ± 0.01 | 0.03 |
| | Weekday | 0.01 | 0.20 | 0.04 | <.01 ± <.01 | 0.04 |
| All species combined ^a | | | | | | |
| 1982 | | | | | | |
| | Weekend | 0.42 ± 0.27 | 1.58 ± 1.11 | 0.21 ± 0.10 | 0.20 ± 0.11 | 0.72 ± 0.51 |
| | Weekday | 0.32 ± 0.32 | 0.71 ± 0.56 | 0.18 ± 0.07 | 0.70 ± 0.48 | 0.32 ± 0.18 |
| 1983 | | | | | | |
| | Weekend | 0.34 ± 0.26 | 0.43 ± 0.25 | 0.07 ± 0.04 | 0.47 ± 0.24 | 0.15 ± 0.07 |
| | Weekday | 0.00 | 0.49 ± 0.24 | 0.19 ± 0.10 | 0.13 ± 0.10 | 0.06 ± 0.04 |
| 1984 | | | | | | |
| | Weekend | 0.00 | 0.24 ± 0.10 | 0.11 ± 0.05 | 0.09 ± 0.05 | 0.14 ± 0.04 |
| | Weekday | 0.61 ± 0.61 | 0.41 ± 0.18 | 0.17 ± 0.07 | 0.28 ± 0.26 | 0.23 ± 0.09 |

^aDue to rounding of numbers, these totals may not exactly equal individual totals.

^bThis species is included in other species in this year.

Table H.8. Mean catch rates of fishes (No./man-h) \pm 1 SE caught by private-boat fishermen in the TTS during the low-use season by species, day type and area (1982-1985).

| Species | Year | Area | | | |
|---------------------------------|----------------------|-----------|-----------------|----------------|------------------------------|
| | | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre Coastwide |
| Atlantic croaker | | | | | |
| | 1982-83 | | | | |
| | Weekend | | 0.00 | 0.00 | 0.00 |
| | Weekday | | 0.05 \pm 0.02 | 0.00 | 0.03 \pm 0.03 |
| | 1983-84 | | | | |
| | Weekend | | 0.00 | 0.00 | 0.00 |
| | Weekday | | | 0.00 | 0.00 |
| | 1984-85 | | | | |
| | Weekend | | 0.00 | 0.00 | 0.00 |
| | Weekday | | 0.00 | 0.00 | 0.00 |
| Atlantic sharpnose shark | | | | | |
| | 1982-83 ^b | | | | |
| | Weekend | | | | |
| | Weekday | | | | |
| | 1983-84 | | | | |
| | Weekend | | 0.00 | 0.00 | 0.00 |
| | Weekday | | | 0.00 | 0.00 |
| | 1984-85 | | | | |
| | Weekend | | <.01 \pm <.01 | 0.00 | <.01 \pm <.01 |
| | Weekday | | 0.00 | 0.00 | 0.00 |
| Cobia | | | | | |
| | 1982-83 | | | | |
| | Weekend | | 0.00 | 0.00 | 0.00 |
| | Weekday | | 0.00 | 0.00 | 0.00 |
| | 1983-84 | | | | |
| | Weekend | | 0.00 | 0.00 | 0.00 |
| | Weekday | | | 0.00 | 0.00 |
| | 1984-85 | | | | |
| | Weekend | | 0.00 | 0.00 | 0.00 |
| | Weekday | | 0.00 | 0.00 | 0.00 |
| King mackerel | | | | | |
| | 1982-83 | | | | |
| | Weekend | | 0.00 | 0.00 | 0.00 |
| | Weekday | | 0.00 | 0.00 | 0.00 |
| | 1983-84 | | | | |
| | Weekend | | 0.00 | 0.00 | 0.00 |
| | Weekday | | | 0.00 | 0.00 |
| | 1984-85 | | | | |
| | Weekend | | 0.00 | 0.00 | 0.00 |
| | Weekday | | 0.00 | 0.00 | 0.00 |

Table H.8. (Cont'd.)

| Species | Year | Day type | Area | | | | |
|------------------|---------|----------|-----------|-------------|----------------|--------------------|-------------|
| | | | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide |
| Red drum | | | | | | | |
| | 1982-83 | | | | | | |
| | | Weekend | | 0.08 ± 0.04 | 0.00 | | 0.01 ± 0.01 |
| | | Weekday | | 0.01 ± <.01 | 0.00 | 0.00 | 0.01 ± 0.01 |
| | 1983-84 | | | | | | |
| | | Weekend | | 0.02 ± 0.02 | 0.00 | 0.00 | 0.01 ± 0.01 |
| | | Weekday | | | 0.00 | 0.06 ± 0.06 | <.01 ± <.01 |
| | 1984-85 | | | | | | |
| | | Weekend | | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Weekday | | 0.00 | 0.00 | 0.00 | 0.00 |
| Red snapper | | | | | | | |
| | 1982-83 | | | | | | |
| | | Weekend | | 0.00 | 0.00 | | 0.00 |
| | | Weekday | | 0.65 ± 0.03 | 0.00 | 0.28 ± 0.28 | 0.49 ± 0.41 |
| | 1983-84 | | | | | | |
| | | Weekend | | 0.05 ± 0.04 | 0.00 | 0.00 | 0.02 ± 0.02 |
| | | Weekday | | | 0.00 | 0.00 | 0.00 |
| | 1984-85 | | | | | | |
| | | Weekend | | 0.17 ± 0.15 | 0.16 ± 0.16 | 0.00 | 0.15 ± 0.13 |
| | | Weekday | | 0.00 | 0.00 | 0.00 | 0.00 |
| Sand seatrout | | | | | | | |
| | 1982-83 | | | | | | |
| | | Weekend | | 2.75 ± 1.20 | 0.00 | | 0.49 ± 0.49 |
| | | Weekday | | 2.25 ± 1.00 | 0.00 | 0.00 | 1.52 ± 1.29 |
| | 1983-84 | | | | | | |
| | | Weekend | | 3.30 ± 2.43 | 0.00 | 0.00 | 1.20 ± 0.93 |
| | | Weekday | | | 0.00 | 0.00 | 0.00 |
| | 1984-85 | | | | | | |
| | | Weekend | | 1.02 ± 0.99 | 0.00 | 0.00 | 0.88 ± 0.84 |
| | | Weekday | | 0.92 ± 0.92 | 0.00 | 0.00 | 0.09 ± 0.09 |
| Spanish mackerel | | | | | | | |
| | 1982-83 | | | | | | |
| | | Weekend | | 0.03 ± 0.01 | 0.00 | | <.01 ± <.01 |
| | | Weekday | | 0.00 | 0.00 | 0.00 | 0.00 |
| | 1983-84 | | | | | | |
| | | Weekend | | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Weekday | | | 0.00 | 0.00 | 0.00 |
| | 1984-85 | | | | | | |
| | | Weekend | | <.01 ± <.01 | 0.00 | 0.00 | <.01 ± <.01 |
| | | Weekday | | 0.00 | 0.00 | 0.00 | 0.00 |

Table H.8. (Cont'd.)

| Species | Year | Area | | | | |
|-----------------------------------|---------|-----------|-------------|----------------|--------------------|-------------|
| | | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide |
| Spotted seatrout | | | | | | |
| 1982-83 | | | | | | |
| | Weekend | | 0.25 ± 0.10 | 0.00 | | 0.05 ± 0.05 |
| | Weekday | | 0.02 ± <.01 | 0.00 | 0.00 | 0.01 ± 0.01 |
| 1983-84 | | | | | | |
| | Weekend | | 0.00 | 0.00 | 0.00 | 0.00 |
| | Weekday | | | 0.00 | 0.00 | 0.00 |
| 1984-85 | | | | | | |
| | Weekend | | 0.00 | 0.00 | 0.00 | 0.00 |
| | Weekday | | 0.00 | 0.00 | 0.00 | 0.00 |
| Vermilion snapper | | | | | | |
| 1982-83 ^b | | | | | | |
| | Weekend | | | | | |
| | Weekday | | | | | |
| 1983-84 | | | | | | |
| | Weekend | | 0.00 | 0.00 | 0.00 | 0.00 |
| | Weekday | | | 0.00 | 0.00 | 0.00 |
| 1984-85 | | | | | | |
| | Weekend | | 0.00 | 0.00 | 0.00 | 0.00 |
| | Weekday | | 0.00 | 0.00 | 0.00 | 0.00 |
| Other species | | | | | | |
| 1982-83 | | | | | | |
| | Weekend | | 0.00 | 0.06 ± 0.04 | | 0.06 ± 0.06 |
| | Weekday | | 0.20 ± 0.10 | 0.00 | 0.00 | 0.14 ± 0.14 |
| 1983-84 | | | | | | |
| | Weekend | | 0.19 | 0.00 | 0.30 | 0.09 |
| | Weekday | | | 0.00 | 0.00 | 0.00 |
| 1984-85 | | | | | | |
| | Weekend | | 0.05 | 0.00 | 0.06 ± 0.06 | 0.05 |
| | Weekday | | 0.38 | 0.00 | 0.04 ± 0.04 | 0.06 |
| All species combined ^a | | | | | | |
| 1982-83 | | | | | | |
| | Weekend | | 3.00 ± 1.30 | 0.06 ± 0.04 | | 0.62 ± 0.58 |
| | Weekday | | 3.20 ± 1.50 | 0.00 | 0.28 ± 0.28 | 2.20 ± 1.82 |
| 1983-84 | | | | | | |
| | Weekend | | 3.57 ± 2.60 | 0.00 | 0.30 ± 0.30 | 1.32 ± 1.00 |
| | Weekday | | | 0.00 | 0.06 ± 0.06 | <.01 ± <.01 |
| 1984-85 | | | | | | |
| | Weekend | | 1.24 ± 0.05 | 0.16 ± 0.16 | 0.06 ± 0.06 | 1.08 ± 0.90 |
| | Weekday | | 1.30 ± 1.21 | 0.00 | 0.04 ± 0.04 | 0.15 ± 0.12 |

^aDue to rounding of numbers, these totals may not exactly equal individual totals.

^bThis species is included in other species in this year.

Table H.9. Annual mean weights of fishes (kg/fish) \pm 1 SE caught by private-boat fishermen in the TTS by species and area (1982-1985). Blank = no fish weighed.

| Species Year | Area | | | | |
|--------------------------|-----------------|------------------|-------------------|-----------------------|-------------------|
| | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide |
| Atlantic croaker | | | | | |
| 1982-83 | | 0.47 \pm 0.11 | | | 0.47 \pm 0.21 |
| 1983-84 | 0.10 \pm 0.10 | 0.44 | | | 0.28 \pm 0.28 |
| 1984-85 | 0.20 \pm 0.20 | 0.34 \pm 0.05 | 0.11 | | 0.32 \pm 0.07 |
| Atlantic sharpnose shark | | | | | |
| 1982-83 ^a | | | | | |
| 1983-84 | | 7.53 | 5.89 \pm 0.10 | | 5.94 \pm 0.32 |
| 1984-85 | | 1.82 \pm 1.23 | 1.51 \pm 0.09 | | 1.54 \pm 0.21 |
| Cobia | | | | | |
| 1982-83 | | 10.78 \pm 3.13 | 9.01 \pm 1.60 | 4.55 | 9.29 \pm 1.56 |
| 1983-84 | | 11.81 \pm 1.32 | 19.16 | 3.92 | 15.00 \pm 10.64 |
| 1984-85 | | 9.30 \pm 1.39 | 9.85 \pm 1.28 | | 9.80 \pm 1.29 |
| King mackerel | | | | | |
| 1982-83 | 5.63 | 6.82 \pm 1.25 | 6.39 \pm 1.06 | 4.42 \pm 1.61 | 6.19 \pm 0.88 |
| 1983-84 | | 9.70 \pm 0.72 | 10.14 \pm 0.61 | 11.28 \pm 1.15 | 10.15 \pm 0.64 |
| 1984-85 | | 9.62 \pm 0.61 | 8.42 \pm 0.53 | 5.95 \pm 0.56 | 8.32 \pm 0.54 |
| Red drum | | | | | |
| 1982-83 | | 1.38 \pm 0.15 | 1.20 | | 1.36 \pm 0.14 |
| 1983-84 | | 2.26 \pm 0.27 | | 2.25 | 2.26 \pm 0.44 |
| 1984-85 | | 2.45 \pm 0.09 | | 4.10 | 2.52 \pm 0.26 |
| Red snapper | | | | | |
| 1982-83 | | 0.35 \pm 0.06 | 0.33 \pm 0.19 | 0.64 \pm 0.50 | 0.40 \pm 0.15 |
| 1983-84 | | 0.45 \pm 0.03 | 0.27 \pm 0.08 | 0.48 \pm 0.07 | 0.43 \pm 0.06 |
| 1984-85 | | 0.50 \pm 0.07 | 0.09 \pm 0.03 | 0.22 \pm 0.07 | 0.48 \pm 0.07 |
| Sand seatrout | | | | | |
| 1982-83 | 0.45 | 0.38 \pm 0.33 | 0.26 \pm 0.05 | 0.40 | 0.35 \pm 0.21 |
| 1983-84 | 0.11 | 0.44 \pm 0.02 | 0.34 | | 0.43 \pm 0.03 |
| 1984-85 | 0.20 | 0.46 \pm 0.02 | 0.26 \pm 0.04 | | 0.44 \pm 0.04 |
| Spanish mackerel | | | | | |
| 1982-83 | 1.05 | 0.67 \pm 0.35 | 0.81 \pm 0.07 | | 0.67 \pm 0.18 |
| 1983-84 | | 1.02 \pm 0.06 | 1.20 \pm 0.09 | | 1.10 \pm 0.07 |
| 1984-85 | | 1.23 \pm 0.27 | 1.07 | 0.44 | 0.47 \pm 0.44 |
| Spotted seatrout | | | | | |
| 1982-83 | 0.76 | 0.69 \pm 0.39 | 0.80 \pm 0.52 | 0.59 | 0.69 \pm 0.29 |
| 1983-84 | | 0.82 \pm 0.12 | 1.26 | 1.38 | 0.83 \pm 0.15 |
| 1984-85 | 0.84 \pm 0.11 | 1.15 \pm 0.07 | 0.99 \pm 0.06 | 0.81 | 1.03 \pm 0.16 |

Table H.9. (Cont'd.)

| Species Year | Area | | | | |
|-----------------------------------|-------------|-------------|-------------------|-----------------------|-------------|
| | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide |
| Vermilion snapper | | | | | |
| 1982-83 ^a | | | | | |
| 1983-84 | | | | | |
| 1984-85 | | | | | |
| All species combined ^b | | | | | |
| 1982-83 | 2.00 ± 7.90 | 0.76 ± 1.08 | 2.77 ± 2.28 | 1.40 ± 1.10 | 1.50 ± 1.47 |
| 1983-84 | 0.10 ± 0.10 | 1.82 ± 0.51 | 6.83 ± 1.19 | 1.54 ± 0.82 | 3.90 ± 0.82 |
| 1984-85 | 0.46 ± 0.09 | 2.41 ± 0.54 | 6.23 ± 0.87 | 4.14 ± 1.01 | 3.43 ± 0.65 |

^aMean weights are not available for this species for this year.

^bIncludes "other" species.

Table H.10. Mean weights of fishes (kg/fish) \pm 1 SE caught by private-boat fishermen in the TTS during the high-use season by species, day type and area (1982-1984). Blank = no fish weighed.

| Species | Year | Area | | | | Coastwide |
|--------------------------|---------|-----------|------------------|------------------|--------------------|------------------|
| | | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | |
| Day type | | | | | | |
| Atlantic croaker | | | | | | |
| 1982 | | | | | | |
| | Weekend | | 0.54 \pm 0.14 | | | 0.54 \pm 0.14 |
| | Weekday | | | | | |
| 1983 | | | | | | |
| | Weekend | 0.10 | | | | 0.10 |
| | Weekday | | 0.44 | | | 0.44 |
| 1984 | | | | | | |
| | Weekend | | 0.33 \pm 0.07 | | | 0.33 \pm 0.07 |
| | Weekday | 0.20 | 0.39 \pm 0.02 | 0.11 \pm 0.11 | | 0.28 \pm 0.08 |
| Atlantic sharpnose shark | | | | | | |
| 1982 ^a | | | | | | |
| | Weekend | | | | | |
| | Weekday | | | | | |
| 1983 | | | | | | |
| | Weekend | | | 5.96 \pm 0.17 | | 5.96 \pm 0.17 |
| | Weekday | | 7.53 | 5.75 \pm 5.75 | | 5.82 \pm 5.82 |
| 1984 | | | | | | |
| | Weekend | | 1.82 \pm 1.23 | 1.46 \pm 1.46 | | 1.48 \pm 1.44 |
| | Weekday | | | 2.02 \pm 2.02 | | 2.02 |
| Cobia | | | | | | |
| 1982 | | | | | | |
| | Weekend | | 18.18 \pm 1.29 | 9.90 | 4.55 | 12.70 \pm 3.40 |
| | Weekday | | 6.74 \pm 0.73 | 8.83 \pm 1.94 | | 7.77 \pm 1.36 |
| 1983 | | | | | | |
| | Weekend | | 15.16 | | 3.92 | 9.85 \pm 9.85 |
| | Weekday | | 10.69 \pm 0.23 | 19.16 | | 13.52 \pm 6.54 |
| 1984 | | | | | | |
| | Weekend | | 9.30 \pm 1.39 | 11.13 | | 10.25 \pm 6.45 |
| | Weekday | | | 8.57 \pm 8.57 | | 8.57 |
| King mackerel | | | | | | |
| 1982 | | | | | | |
| | Weekend | 5.63 | 6.65 \pm 1.94 | 7.24 \pm 1.06 | 4.42 \pm 1.61 | 6.63 \pm 0.90 |
| | Weekday | | 7.43 \pm 1.52 | 5.92 \pm 1.19 | | 5.85 \pm 1.21 |
| 1983 | | | | | | |
| | Weekend | | 9.81 \pm 0.93 | 8.60 \pm 0.44 | 7.07 \pm 1.39 | 8.82 \pm 0.57 |
| | Weekday | | 9.59 \pm 1.18 | 10.64 \pm 0.72 | 12.07 \pm 0.44 | 10.67 \pm 0.73 |
| 1984 | | | | | | |
| | Weekend | | 9.11 \pm 0.53 | 7.78 \pm 0.53 | 5.89 \pm 0.65 | 7.73 \pm 0.54 |
| | Weekday | | 13.27 \pm 2.74 | 9.34 \pm 0.64 | 6.48 | 9.31 \pm 1.08 |

Table H.10. (Cont'd.)

| Species | Area | | | | | |
|-------------------------|----------|-----------|-------------|----------------|--------------------|-------------|
| | Year | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide |
| | Day type | | | | | |
| Red drum | | | | | | |
| 1982 | | | | | | |
| | Weekend | | 1.47 ± 0.08 | | | 1.47 ± 0.08 |
| | Weekday | | 1.21 | 1.20 | | 1.21 ± 0.01 |
| 1983 | | | | | | |
| | Weekend | | 2.06 ± 0.41 | | | 2.06 ± 0.41 |
| | Weekday | | 2.41 ± 0.41 | | | 2.41 ± 0.41 |
| 1984 | | | | | | |
| | Weekend | | 2.36 ± 0.06 | | | 2.36 ± 0.06 |
| | Weekday | | 2.63 ± 0.20 | | 4.10 | 2.80 ± 0.64 |
| Red snapper | | | | | | |
| 1982 | | | | | | |
| | Weekend | | 0.30 ± 0.13 | 0.33 ± 0.19 | 0.52 | 0.34 ± 0.16 |
| | Weekday | | 0.35 ± 0.23 | | 0.53 | 0.45 ± 0.24 |
| 1983 | | | | | | |
| | Weekend | | 0.44 ± 0.01 | 0.16 | 0.48 ± 0.07 | 0.40 ± 0.04 |
| | Weekday | | | 0.31 ± 0.12 | 0.48 | 0.38 ± 0.26 |
| 1984 | | | | | | |
| | Weekend | | 0.63 ± 0.16 | 0.12 ± 0.01 | 0.22 ± 0.07 | 0.40 ± 0.11 |
| | Weekday | | 0.40 ± 0.11 | 0.12 | 0.22 | 0.30 ± 0.13 |
| Sand seatrout | | | | | | |
| 1982 | | | | | | |
| | Weekend | 0.45 | 0.34 ± 0.08 | 0.28 ± 0.06 | | 0.33 ± 0.07 |
| | Weekday | | 0.37 ± 0.05 | 0.31 ± 0.02 | 0.40 | 0.27 ± 0.16 |
| 1983 | | | | | | |
| | Weekend | 0.11 | 0.48 ± 0.08 | | | 0.35 ± 0.09 |
| | Weekday | | | 0.34 | | 0.34 |
| 1984 | | | | | | |
| | Weekend | | 0.45 ± 0.03 | 0.21 ± 0.01 | | 0.37 ± 0.02 |
| | Weekday | 0.20 | 0.63 | 0.37 ± 0.06 | | 0.24 ± 0.22 |
| Spanish mackerel | | | | | | |
| 1982 | | | | | | |
| | Weekend | 1.05 | 0.66 | 0.46 ± 0.06 | | 0.56 ± 0.88 |
| | Weekday | | 1.35 | 1.05 ± 0.11 | | 0.88 ± 0.43 |
| 1983 | | | | | | |
| | Weekend | | 1.07 ± 0.04 | 1.07 ± 0.20 | | 1.07 ± 0.10 |
| | Weekday | | 0.92 ± 0.16 | 1.27 ± 0.04 | | 1.19 ± 0.06 |
| 1984 | | | | | | |
| | Weekend | | 1.30 | 1.07 | | 1.25 ± 0.47 |
| | Weekday | | 1.54 | | 0.44 | 0.44 ± 0.44 |

Table H.10. (Cont'd.)

| Species | Year | Day type | Area | | | | |
|-----------------------------------|-------------------|----------|-------------|-------------|----------------|--------------------|-------------|
| | | | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide |
| Spotted seatrout | | | | | | | |
| | 1982 | | | | | | |
| | | Weekend | 0.76 | 0.63 ± 0.14 | 0.34 ± <.01 | 0.59 | 0.61 ± 0.24 |
| | | Weekday | | 0.86 ± 0.11 | 1.04 ± 0.29 | | 0.88 ± 0.42 |
| | 1983 | | | | | | |
| | | Weekend | | 0.73 ± 0.14 | | 1.38 | 0.75 ± 0.18 |
| | | Weekday | | 1.05 ± 0.07 | 1.26 | | 1.05 ± 0.08 |
| | 1984 | | | | | | |
| | | Weekend | | 1.15 ± 0.11 | | | 1.15 ± 0.11 |
| | | Weekday | 0.84 ± 0.11 | 1.15 ± 0.07 | 0.99 ± 0.06 | 0.81 | 0.97 ± 0.22 |
| Vermilion snapper | | | | | | | |
| | 1982 ^a | | | | | | |
| | | Weekend | | | | | |
| | | Weekday | | | | | |
| | 1983 | | | | | | |
| | | Weekend | | | | | |
| | | Weekday | | | | | |
| | 1984 | | | | | | |
| | | Weekend | | | | | |
| | | Weekday | | | | | |
| All species combined ^b | | | | | | | |
| | 1982 | | | | | | |
| | | Weekend | 1.85 | 1.00 ± 1.81 | 2.79 ± 2.38 | 1.47 ± 1.78 | 1.58 ± 2.17 |
| | | Weekday | | 1.56 ± 2.80 | 3.07 ± 3.06 | 1.24 ± 0.02 | 2.28 ± 2.48 |
| | 1983 | | | | | | |
| | | Weekend | 0.10 | 1.78 ± 0.64 | 6.80 ± 1.46 | 0.79 ± 0.21 | 3.49 ± 0.87 |
| | | Weekday | | 3.44 ± 1.14 | 6.84 ± 1.73 | 7.86 ± 4.63 | 6.25 ± 1.75 |
| | 1984 | | | | | | |
| | | Weekend | | 3.01 ± 0.77 | 5.97 ± 1.12 | 4.53 ± 1.02 | 4.50 ± 0.95 |
| | | Weekday | 0.46 ± 0.09 | 1.81 ± 0.97 | 6.54 ± 1.48 | 2.59 ± 2.25 | 4.00 ± 1.39 |

^aMean weights are not available for this species in this year.

^bIncludes "other" species.

Table H.11. Mean weights of fishes (kg/fish) \pm 1 SE caught by private-boat fishermen in the TTS during the low-use season by species, day type and area (1982-1985). Blank = no fish weighed.

| Species | Year | Area | | | |
|--------------------------|----------------------|-----------|-----------|----------------|------------------------------|
| | | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre Coastwide |
| Atlantic croaker | | | | | |
| | 1982-83 | | | | |
| | Weekend | | | | |
| | Weekday | | 0.28 | | 0.28 |
| | 1983-84 | | | | |
| | Weekend | | | | |
| | Weekday | | | | |
| | 1984-85 | | | | |
| | Weekend | | | | |
| | Weekday | | | | |
| Atlantic sharpnose shark | | | | | |
| | 1982-83 ^a | | | | |
| | Weekend | | | | |
| | Weekday | | | | |
| | 1983-84 | | | | |
| | Weekend | | | | |
| | Weekday | | | | |
| | 1984-85 | | | | |
| | Weekend | | | | |
| | Weekday | | | | |
| Cobia | | | | | |
| | 1982-83 | | | | |
| | Weekend | | | | |
| | Weekday | | | | |
| | 1983-84 | | | | |
| | Weekend | | | | |
| | Weekday | | | | |
| | 1984-85 | | | | |
| | Weekend | | | | |
| | Weekday | | | | |
| King mackerel | | | | | |
| | 1982-83 | | | | |
| | Weekend | | | | |
| | Weekday | | | | |
| | 1983-84 | | | | |
| | Weekend | | | | |
| | Weekday | | | | |
| | 1984-85 | | | | |
| | Weekend | | | | |
| | Weekday | | | | |

Table H.11. (Cont'd.)

| Species | Year | Area | | | | |
|------------------|---------|-----------|-------------|----------------|--------------------|-------------|
| | | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide |
| Red drum | | | | | | |
| | 1982-83 | | | | | |
| | Weekend | | 1.65 | | | 1.65 |
| | Weekday | | 1.23 | | | 1.23 |
| | 1983-84 | | | | | |
| | Weekend | | | | | |
| | Weekday | | | | 2.20 | 2.20 |
| | 1984-85 | | | | | |
| | Weekend | | | | | |
| | Weekday | | | | | |
| Red snapper | | | | | | |
| | 1982-83 | | | | | |
| | Weekend | | | | | |
| | Weekday | | 0.40 ± 0.07 | | 1.33 | 0.45 ± 0.32 |
| | 1983-84 | | | | | |
| | Weekend | | 0.75 ± 0.28 | | | 0.75 ± 0.28 |
| | Weekday | | | | | |
| | 1984-85 | | | | | |
| | Weekend | | 0.42 | 0.04 | | 0.42 ± 0.42 |
| | Weekday | | | | | |
| Sand seatrout | | | | | | |
| | 1982-83 | | | | | |
| | Weekend | | | | | |
| | Weekday | | 0.43 ± 0.79 | | | 0.43 ± 0.79 |
| | 1983-84 | | | | | |
| | Weekend | | 0.43 ± 0.02 | | | 0.43 ± 0.02 |
| | Weekday | | | | | |
| | 1984-85 | | | | | |
| | Weekend | | | | | |
| | Weekday | | | | | |
| Spanish mackerel | | | | | | |
| | 1982-83 | | | | | |
| | Weekend | | 0.30 | | | 0.30 |
| | Weekday | | | | | |
| | 1983-84 | | | | | |
| | Weekend | | | | | |
| | Weekday | | | | | |
| | 1984-85 | | | | | |
| | Weekend | | 0.28 | | | 0.28 |
| | Weekday | | | | | |

Table H.11. (Cont'd.)

| Species | Year | Area | | | | |
|-----------------------------------|---------|-----------|-------------|----------------|--------------------|-------------|
| | | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide |
| Day type | | | | | | |
| Spotted seatrout | | | | | | |
| 1982-83 | | | | | | |
| | Weekend | | 0.84 | | | 0.84 |
| | Weekday | | 1.35 | | | 1.35 |
| 1983-84 | | | | | | |
| | Weekend | | | | | |
| | Weekday | | | | | |
| 1984-85 | | | | | | |
| | Weekend | | | | | |
| | Weekday | | | | | |
| Vermilion snapper | | | | | | |
| 1982-83 ^a | | | | | | |
| | Weekend | | | | | |
| | Weekday | | | | | |
| 1983-84 | | | | | | |
| | Weekend | | | | | |
| | Weekday | | | | | |
| 1984-85 | | | | | | |
| | Weekend | | | | | |
| | Weekday | | | | | |
| All species combined ^b | | | | | | |
| 1982-83 | | | | | | |
| | Weekend | | 0.98 | 26.3 | | 1.09 ± 0.56 |
| | Weekday | | 0.44 ± 0.94 | | 1.33 | 0.45 ± 0.80 |
| 1983-84 | | | | | | |
| | Weekend | | 0.53 ± 0.05 | | 1.40 | 0.55 ± 0.06 |
| | Weekday | | | | 2.20 | 2.20 |
| 1984-85 | | | | | | |
| | Weekend | | 0.75 ± 0.26 | | | 0.75 ± 0.26 |
| | Weekday | | 1.48 ± 1.09 | | | 1.48 ± 1.09 |

^aMean weights are not available for this species in this year.

^bIncludes "other" species.

Table H.12. Annual mean total lengths of fishes (mm/fish) \pm 1 SE caught by private-boat fishermen in the TTS by species and area (1983-1984). Blank = no fish measured.

| Species Year | Area | | | | | | Coastwide |
|-----------------------------------|--------------|---------------|----------------|--------------------|---------------|--|----------------|
| | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | | | |
| Atlantic croaker | | | | | | | |
| 1983-84 | 201 | 322 | | | | | 266 \pm 173 |
| 1984-85 | 253 | 288 \pm 14 | 208 | | | | 281 \pm 36 |
| Atlantic sharpnose shark | | | | | | | |
| 1983-84 | | 1010 | 958 \pm 13 | | | | 959 \pm 19 |
| 1984-85 | | 651 \pm 119 | 500 \pm 37 | | | | 516 \pm 24 |
| Cobia | | | | | | | |
| 1983-84 | | 1133 \pm 38 | 1325 | | 800 | | 1214 \pm 745 |
| 1984-85 | | 1048 \pm 51 | 1071 \pm 44 | | | | 1069 \pm 24 |
| King mackerel | | | | | | | |
| 1983-84 | | 997 \pm 24 | 1014 \pm 16 | | 1044 \pm 36 | | 1014 \pm 17 |
| 1984-85 | | 992 \pm 17 | 956 \pm 19 | | 842 \pm 14 | | 950 \pm 17 |
| Red drum | | | | | | | |
| 1983-84 | | 574 \pm 26 | | | 595 | | 575 \pm 67 |
| 1984-85 | | 605 \pm 8 | | | 725 | | 610 \pm 37 |
| Red snapper | | | | | | | |
| 1983-84 | | 318 \pm 3 | 255 \pm 11 | | 326 \pm 14 | | 305 \pm 7 |
| 1984-85 | | 308 \pm 8 | 187 \pm 20 | | 244 \pm 22 | | 302 \pm 9 |
| Sand seatrout | | | | | | | |
| 1983-84 | 219 | 343 \pm 5 | 318 | | | | 339 \pm 11 |
| 1984-85 | 267 | 346 \pm 7 | 286 \pm 11 | | | | 339 \pm 25 |
| Spanish mackerel | | | | | | | |
| 1983-84 | | 578 \pm 12 | 612 \pm 17 | | | | 595 \pm 10 |
| 1984-85 | | 593 \pm 53 | 595 | | 432 | | 438 \pm 215 |
| Spotted seatrout | | | | | | | |
| 1983-84 | | 430 \pm 19 | 511 | | 513 | | 432 \pm 31 |
| 1984-85 | 445 \pm 20 | 487 \pm 9 | 469 \pm 12 | | 442 | | 471 \pm 55 |
| Vermilion snapper | | | | | | | |
| 1983-84 | | | | | | | |
| 1984-85 | | | | | | | |
| All species combined ^a | | | | | | | |
| 1983-84 | 265 \pm 58 | 465 \pm 42 | 749 \pm 76 | | 421 \pm 55 | | 592 \pm 55 |
| 1984-85 | 342 \pm 19 | 488 \pm 30 | 733 \pm 74 | | 651 \pm 71 | | 557 \pm 40 |

^aIncludes "other" species.

Table H.13. Mean total lengths of fishes (mm/fish) \pm 1 SE caught by private-boat fishermen in the TTS during the high-use season by species, day type and area (1983-1984). Blank = no fish measured.

| Species Year | Area | | | | |
|---------------------------------|-----------|---------------|-------------------|-----------------------|----------------|
| | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide |
| Atlantic croaker | | | | | |
| 1983 | | | | | |
| Weekend | 201 | | | | 201 |
| Weekday | | 322 | | | 322 |
| 1984 | | | | | |
| Weekend | | 286 \pm 16 | | | 286 \pm 86 |
| Weekday | 253 | 304 \pm 6 | 208 | | 271 \pm 85 |
| Atlantic sharpnose shark | | | | | |
| 1983 | | | | | |
| Weekend | | | 970 \pm 1 | | 970 \pm 1 |
| Weekday | | 1010 | 934 | | 936 \pm 475 |
| 1984 | | | | | |
| Weekend | | 651 \pm 119 | 480 | | 490 \pm 236 |
| Weekday | | | 704 | | 704 |
| Cobia | | | | | |
| 1983 | | | | | |
| Weekend | | 1230 | | 800 | 1035 \pm 710 |
| Weekday | | 1101 \pm 8 | 1325 | | 1173 \pm 325 |
| 1984 | | | | | |
| Weekend | | 1048 \pm 51 | 1115 | | 1073 \pm 329 |
| Weekday | | | 1026 | | 1026 |
| King mackerel | | | | | |
| 1983 | | | | | |
| Weekend | | 1002 \pm 36 | 974 \pm 18 | 911 \pm 59 | 978 \pm 23 |
| Weekday | | 992 \pm 33 | 1027 \pm 18 | 1069 \pm 11 | 1027 \pm 18 |
| 1984 | | | | | |
| Weekend | | 977 \pm 14 | 932 \pm 20 | 837 \pm 16 | 928 \pm 17 |
| Weekday | | 1104 \pm 78 | 992 \pm 20 | 889 | 990 \pm 66 |
| Red drum | | | | | |
| 1983 | | | | | |
| Weekend | | 551 \pm 48 | | | 551 \pm 48 |
| Weekday | | 591 \pm 34 | | | 591 \pm 34 |
| 1984 | | | | | |
| Weekend | | 596 \pm 6 | | | 596 \pm 6 |
| Weekday | | 622 \pm 15 | | 725 | 632 \pm 81 |
| Red snapper | | | | | |
| 1983 | | | | | |
| Weekend | | 317 \pm 3 | 232 \pm 0 | 326 \pm 15 | 300 \pm 6 |
| Weekday | | | 263 \pm 14 | 328 | 284 \pm 88 |

Table H.13. (Cont'd.)

| Species Year | Area | | | | | | | | | |
|-----------------------------------|-----------|----|-----------|----|----------------|-----|--------------------|-----|-----------|-----|
| | Galveston | | Matagorda | | Corpus Christi | | Lower Laguna Madre | | Coastwide | |
| Red snapper (cont.) | | | | | | | | | | |
| 1984 | | | | | | | | | | |
| Weekend | | | 306 ± | 19 | 212 ± | 1 | 243 ± | 24 | 271 ± | 14 |
| Weekday | | | 302 ± | 26 | 210 | | 260 | | 270 ± | 95 |
| Sand seatrout | | | | | | | | | | |
| 1983 | | | | | | | | | | |
| Weekend | 219 | | 350 ± | 19 | | | | | 306 ± | 51 |
| Weekday | | | | | 318 | | | | 318 | |
| 1984 | | | | | | | | | | |
| Weekend | | | 343 ± | 7 | 272 ± | 5 | | | 327 ± | 5 |
| Weekday | 267 | | 385 | | 322 ± | 15 | | | 281 ± | 226 |
| Spanish mackerel | | | | | | | | | | |
| 1983 | | | | | | | | | | |
| Weekend | | | 589 ± | 5 | 587 ± | 40 | | | 588 ± | 13 |
| Weekday | | | 554 ± | 38 | 626 ± | 7 | | | 612 ± | 7 |
| 1984 | | | | | | | | | | |
| Weekend | | | 609 ± | 57 | 595 | | | | 606 ± | 151 |
| Weekday | | | 673 | | | | 432 | | 432 ± | 216 |
| Spotted seatrout | | | | | | | | | | |
| 1983 | | | | | | | | | | |
| Weekend | | | 414 ± | 23 | | | 513 | | 417 ± | 35 |
| Weekday | | | 473 ± | 9 | 511 | | | | 473 ± | 16 |
| 1984 | | | | | | | | | | |
| Weekend | | | 487 ± | 14 | | | | | 487 ± | 14 |
| Weekday | 445 ± | 20 | 488 ± | 8 | 469 ± | 12 | 442 | | 463 ± | 76 |
| Vermilion snapper | | | | | | | | | | |
| 1983 | | | | | | | | | | |
| Weekend | | | | | | | | | | |
| Weekday | | | | | | | | | | |
| 1984 | | | | | | | | | | |
| Weekend | | | | | | | | | | |
| Weekday | | | | | | | | | | |
| All species combined ^a | | | | | | | | | | |
| 1983 | | | | | | | | | | |
| Weekend | 265 ± | 58 | 475 ± | 49 | 721 ± | 89 | 380 ± | 31 | 554 ± | 56 |
| Weekday | | | 521 ± | 81 | 765 ± | 112 | 781 ± | 268 | 726 ± | 108 |
| 1984 | | | | | | | | | | |
| Weekend | | | 525 ± | 41 | 761 ± | 88 | 668 ± | 80 | 645 ± | 61 |
| Weekday | 342 ± | 19 | 447 ± | 69 | 708 ± | 119 | 584 ± | 158 | 593 ± | 87 |

^aIncludes "other" species.

Table H.14. Mean total lengths of fishes (mm/fish) \pm 1 SE caught by private-boat fishermen in the TTS during the low-use season by species, day type and area (1983-1985). Blank = no fish measured.

| Species Year | Area | | | | Coastwide |
|--------------------------|-----------|-----------|----------------|--------------------|--------------|
| | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | |
| Atlantic croaker | | | | | |
| 1983-84 | | | | | |
| Weekend | | | | | |
| Weekday | | | | | |
| 1984-85 | | | | | |
| Weekend | | | | | |
| Weekday | | | | | |
| Atlantic sharpnose shark | | | | | |
| 1983-84 | | | | | |
| Weekend | | | | | |
| Weekday | | | | | |
| 1984-85 | | | | | |
| Weekend | | | | | |
| Weekday | | | | | |
| Cobia | | | | | |
| 1983-84 | | | | | |
| Weekend | | | | | |
| Weekday | | | | | |
| 1984-85 | | | | | |
| Weekend | | | | | |
| Weekday | | | | | |
| King mackerel | | | | | |
| 1983-84 | | | | | |
| Weekend | | | | | |
| Weekday | | | | | |
| 1984-85 | | | | | |
| Weekend | | | | | |
| Weekday | | | | | |
| Red drum | | | | | |
| 1983-84 | | | | | |
| Weekend | | | | | |
| Weekday | | | | 595 | 595 |
| 1984-85 | | | | | |
| Weekend | | | | | |
| Weekday | | | | | |
| Red snapper | | | | | |
| 1983-84 | | | | | |
| Weekend | | 332 \pm | 35 | | 332 \pm 35 |
| Weekday | | | | | |

Table H.14. (Cont'd.)

| Species Year | Area | | | | |
|-----------------------------------|-----------|-----------|-------------------|-----------------------|-----------|
| | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide |
| Red snapper (cont.) | | | | | |
| 1984-85 | | | | | |
| Weekend | | 313 ± 2 | 151 | | 310 ± 4 |
| Weekday | | | | | |
| Sand seatrout | | | | | |
| 1983-84 | | | | | |
| Weekend | | 341 ± 5 | | | 341 ± 5 |
| Weekday | | | | | |
| 1984-85 | | | | | |
| Weekend | | 345 ± 16 | | | 345 ± 16 |
| Weekday | | 364 | | | 364 |
| Spanish mackerel | | | | | |
| 1983-84 | | | | | |
| Weekend | | | | | |
| Weekday | | | | | |
| 1984-85 | | | | | |
| Weekend | | 374 | | | 374 |
| Weekday | | | | | |
| Spotted seatrout | | | | | |
| 1983-84 | | | | | |
| Weekend | | | | | |
| Weekday | | | | | |
| 1984-85 | | | | | |
| Weekend | | | | | |
| Weekday | | | | | |
| Vermilion snapper | | | | | |
| 1983-84 | | | | | |
| Weekend | | | | | |
| Weekday | | | | | |
| 1984-85 | | | | | |
| Weekend | | | | | |
| Weekday | | | | | |
| All species combined ^a | | | | | |
| 1983-84 | | | | | |
| Weekend | | 335 ± 10 | | 315 ± 315 | 335 ± 14 |
| Weekday | | | | 595 ± 595 | 595 |
| 1984-85 | | | | | |
| Weekend | | 379 ± 21 | 151 | 819 ± 819 | 382 ± 28 |
| Weekday | | 461 ± 107 | | 520 ± 520 | 470 ± 172 |

^aIncludes "other" species.

Table H.15. Percent composition of "other" species caught by private-boat fishermen in the TTS by area, season and day type (1983 - 1985).

| Year | Season | Day type | Common name | Scientific name | Area | | | Coastwide |
|---------|----------|----------|--------------------|------------------------------------|-----------|-----------|----------------|-----------|
| | | | | | Galveston | Matagorda | Corpus Christi | |
| 1983-84 | High use | Weekend | Atlantic bonito | <u>Sarda sarda</u> | | 12.27 | 1.45 | 1.18 |
| | | | Atlantic spadefish | <u>Chaetodipterus faber</u> | 58.82 | 3.80 | | 7.65 |
| | | | Banded rudderfish | <u>Seriola zonata</u> | | 6.33 | | 2.94 |
| | | | Great barracuda | <u>Sphyraena barracuda</u> | | 2.53 | | 1.18 |
| | | | Black drum | <u>Pogonius cromis</u> | 29.41 | 3.80 | | 4.71 |
| | | | Blackfin tuna | <u>Thunnus atlanticus</u> | | | 2.90 | 1.18 |
| | | | Bluefish | <u>Pomatomus saltatrix</u> | | 12.66 | | 20.00 |
| | | | Blue runner | <u>Caranx crysos</u> | | | | 20.00 |
| | | | Bony fishes sp. | <u>Class Osteichthes</u> | | 2.53 | | 1.18 |
| | | | Crevalle jack | <u>Caranx hippos</u> | 5.88 | 5.06 | 31.88 | 20.00 |
| | | | Dolphin | <u>Coryphaena hippurus</u> | | 2.53 | 2.90 | 2.35 |
| | | | Gray triggerfish | <u>Balistes capriscus</u> | | 1.27 | | 0.59 |
| | | | Greater amberjack | <u>Seriola dumerili</u> | | 3.80 | 4.35 | 3.53 |
| | | | Gulf kingfish | <u>Menticirrhus littoralis</u> | | 6.33 | | 2.94 |
| | | | Ladyfish | <u>Elops saurus</u> | | 1.27 | | 0.59 |
| | | | Little tunny | <u>Euthynnus alletteratus</u> | | 1.27 | 11.59 | 5.29 |
| | | | Pigfish | <u>Orthopristis chrysoptera</u> | | 1.27 | | 0.59 |
| | | | Sailfish | <u>Istiophorus platypterus</u> | | | 2.90 | 1.18 |
| | | | Sea basses sp. | Family Serranidae | | | 1.45 | 0.59 |
| | | | Rock hind | <u>Epinephelus adscensionis</u> | | | 2.90 | 1.18 |
| | | | Warsaw grouper | <u>Epinephelus nigritus</u> | | 1.27 | | 20.00 |
| | | | Sharks sp. | | | | | |
| | | | Blacktip shark | <u>Carcharhinus limbatus</u> | | 17.72 | 7.25 | 20.00 |
| | | | Dusky shark | <u>Carcharhinus obscurus</u> | | | 21.74 | 8.82 |
| | | | Requiem sharks | Family Carcharhinidae | | | 2.90 | 1.18 |
| | | | Sandbar shark | <u>Carcharhinus plumbeus</u> | | | 2.90 | 1.18 |
| | | | Sharksucker | <u>Echeneis naucrates</u> | | | 1.45 | 0.59 |
| | | | Sheepshead | <u>Archosargus probatocephalus</u> | | 20.25 | | 9.41 |
| | | | Southern kingfish | <u>Menticirrhus americanus</u> | 5.88 | 5.06 | | 2.94 |
| | | | Tripletail | <u>Lobotes surinamensis</u> | | | 1.45 | 0.59 |

Table H.15. (Cont'd.)

| Year Season Day type | Common name | Scientific name | Area | | | | |
|----------------------------|------------------------------------|---------------------------------|-----------|-----------|----------------|--------------------|-----------|
| | | | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide |
| Weekday | Atlantic bonito | <u>Sarda sarda</u> | | 1.68 | | | 1.29 |
| | Atlantic spadefish | <u>Chaetodipterus faber</u> | | 0.84 | | | 0.65 |
| | Banded drum | <u>Larimus fasciatus</u> | | | | 100.00 | 0.65 |
| | Black drum | <u>Pogonius cromis</u> | | 15.13 | 5.71 | | 12.90 |
| | Blue runner | <u>Caranx crysos</u> | | | 8.57 | | 8.39 |
| | Cero | <u>Scomberomorus regalis</u> | | 3.36 | | | 2.58 |
| | Crevalle jack | <u>Caranx hippos</u> | | 5.88 | | | 4.52 |
| | Dolphin | <u>Coryphaena hippurus</u> | | 0.84 | 5.71 | | 1.94 |
| | Florida pompano | <u>Trachinotus carolinus</u> | | 1.68 | | | 1.29 |
| | Gray triggerfish | <u>Balistes capriscus</u> | | 5.88 | 2.86 | | 5.16 |
| | Little tunny | <u>Euthynnus alletteratus</u> | | 0.84 | 2.86 | | 1.29 |
| | Pigfish | <u>Orthopristis chrysoptera</u> | | 0.84 | | | 0.65 |
| | Sailfish | <u>Istiophorus platyperus</u> | | | 2.86 | | 0.65 |
| | Sea basses sp. | | | | | | |
| | Gag | <u>Mycteroperca microlepis</u> | | 2.52 | | | 1.94 |
| | Jewfish | <u>Epinephalus itijara</u> | | | 2.86 | | 0.65 |
| | Warsaw-grouper | <u>Epinephalus nigritus</u> | | | 2.86 | | 0.65 |
| | Sharks sp. | | | | | | |
| | Blacknose shark | <u>Carcharhinus acronotus</u> | | | 2.86 | | 0.65 |
| | Blacktip shark | <u>Carcharhinus limbatus</u> | | 8.40 | 8.57 | | 8.39 |
| | Dusky shark | <u>Carcharhinus obscurus</u> | | | 40.00 | | 9.03 |
| | Finetooth shark | <u>Carcharhinus isodon</u> | | 0.84 | 5.71 | | 1.94 |
| | Sharksucker | <u>Echeneis naucrates</u> | | | 5.71 | | 1.29 |
| | Silver seatrout | <u>Cynoscion nothus</u> | | 44.54 | | | 34.19 |
| | Southern flounder | <u>Paralichthys lethostigma</u> | | 0.84 | 2.86 | | 1.29 |
| | Southern kingfish | <u>Menticirrhus americanus</u> | | 5.04 | | | 3.87 |
| | Low use | | | | | | |
| Weekend | | | | | | | |
| Black drum | <u>Pogonius cromis</u> | | 33.33 | | 33.33 | 33.33 | |
| Gulf kingfish | <u>Menticirrhus littoralis</u> | | 66.67 | | | 44.44 | |
| Sheepshead | <u>Archosargus probatocephalus</u> | | | | 11.11 | 3.70 | |
| Snapper sp. | | | | | | | |
| Gray snapper | <u>Lutjanus griseus</u> | | | | 55.56 | 18.52 | |

Table H.15. (Cont'd.)

| Year | Season | Day type | Common name | Scientific name | Area | | | |
|---------|----------|----------|---------------------|------------------------------------|-----------|-----------|----------------|--------------------|
| | | | | | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre |
| 1984-85 | High use | | | | | | | |
| | Weekend | | Atlantic bonito | <u>Sarda sarda</u> | 0.29 | | | 0.24 |
| | | | Atlantic spadefish | <u>Chaetodipterus faber</u> | 7.58 | 6.78 | 21.05 | 8.08 |
| | | | Banded drum | <u>Larimus fasciatus</u> | 43.73 | | | 35.63 |
| | | | Great barracuda | <u>Sphyraena barracuda</u> | | | 10.53 | 0.48 |
| | | | Black drum | <u>Pogonias cromis</u> | 2.62 | | | 2.14 |
| | | | Blue fish | <u>Pomatomus saltatrix</u> | 8.75 | | | 7.13 |
| | | | Blue runner | <u>Caranx crysos</u> | | | 10.53 | 0.48 |
| | | | Crevalle jack | <u>Caranx hippos</u> | 2.04 | 10.17 | 5.26 | 3.33 |
| | | | Dolphin | <u>Coryphaena hippurus</u> | 17.49 | 47.46 | 5.26 | 21.14 |
| | | | Florida pompano | <u>Trachinotus carolinus</u> | 0.29 | | | 0.24 |
| | | | Gafftopsail catfish | <u>Bagre marinus</u> | 0.58 | | | 0.48 |
| | | | Gray triggerfish | <u>Balistes capriscus</u> | 9.91 | 1.69 | 5.26 | 8.55 |
| | | | Greater amberjack | <u>Seriola dumerili</u> | 0.29 | | | 0.24 |
| | | | Gulf kingfish | <u>Menticirrhus littoralis</u> | 0.58 | 1.69 | 5.26 | 0.95 |
| | | | Little tunny | <u>Euthynnus alletteratus</u> | | 8.47 | 21.05 | 2.14 |
| | | | Pigfish | <u>Orthopristis chrysoptera</u> | | | 5.26 | 0.24 |
| | | | Pompano dolphin | <u>Coryphaena equisetis</u> | 0.29 | | | 0.24 |
| | | | Seabasses sp | | | | | |
| | | | Yellowedge grouper | <u>Epinephelus flavolimbatus</u> | 0.29 | | | 0.24 |
| | | | Sharks sp. | | | | | |
| | | | Blacktip shark | <u>Carcharhinus limbatus</u> | | | 18.64 | 2.61 |
| | | | Bonnethead | <u>Sphyrna tiburo</u> | 0.29 | | | 0.24 |
| | | | Finetooth shark | <u>Carcharhinus isoden</u> | 0.58 | | | 0.48 |
| | | | Requiem shark | Family <u>Carcharhinidae</u> | | 1.69 | 5.26 | 0.48 |
| | | | Sandbar shark | <u>Carcharhinus plumbeus</u> | 0.29 | | | 0.24 |
| | | | Spinner shark | <u>Carcharhinus brevipinna</u> | | 1.69 | | 0.24 |
| | | | Sheepshead | <u>Archosargus probatocephalus</u> | | 1.69 | | 0.24 |
| | | | Silver seatrout | <u>Cynoscion nothus</u> | 0.29 | | | 0.24 |
| | | | Snapper sp. | | | | | |
| | | | Gray snapper | <u>Lutjanus griseus</u> | | | 5.26 | 0.24 |
| | | | Lane snapper | <u>Lutjanus synagris</u> | 2.92 | | | 2.38 |
| | | | Southern flounder | <u>Paralichthys lethostigma</u> | 0.29 | | | 0.24 |

Table H.15. (Cont'd.)

| Year Season | Day type | Common name | Scientific name | Area | | | | |
|----------------|----------|----------------------|------------------------------------|-----------|-----------|----------------|--------------------|-----------|
| | | | | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide |
| | | Southern kingfish | <u>Menticirrhus americanus</u> | | 0.29 | | | 0.24 |
| | | Tarpon | <u>Megalops atlanticus</u> | | 0.29 | | | 0.24 |
| Weekday | | Atlantic spadefish | <u>Chaetodipterus faber</u> | | 11.92 | | | 6.47 |
| | | Black drum | <u>Pogonius cromis</u> | | 3.31 | | | 1.80 |
| | | Blue fish | <u>Pomatomus saltatrix</u> | | 4.64 | 1.63 | | 3.24 |
| | | Blue runner | <u>Caranx crysos</u> | | | 1.63 | | 0.72 |
| | | Crevalle jack | <u>Caranx hippos</u> | | | 2.44 | | 1.08 |
| | | Dolphin | <u>Conyphaena hippurus</u> | | 3.31 | 26.83 | | 13.67 |
| | | Gray triggerfish | <u>Balistes capriscus</u> | | | 3.25 | | 1.44 |
| | | Greater amberjack | <u>Seriola dumerli</u> | | 1.99 | | | 1.08 |
| | | Gulf kingfish | <u>Menticirrhus littoralis</u> | | | 4.07 | | 1.80 |
| | | Little tunny | <u>Euthynnus alletteratus</u> | | | 2.44 | 100.00 | 1.44 |
| | | Pigfish | <u>Orthopristis chrysoptera</u> | | 0.66 | | | 0.36 |
| | | Pinfish | <u>Lagodon rhomboides</u> | | | 0.81 | | 0.36 |
| | | Rainbow runner | <u>Elagatis bipinnulata</u> | | 1.32 | | | 0.72 |
| | | Seabasses sp. | | | | | | |
| | | Gag | <u>Mycteroperca microlepis</u> | | | 0.66 | | 0.36 |
| | | Sharks sp. | | | | | | |
| | | Blacktip shark | <u>Carcharhinus limbatus</u> | | 1.32 | 0.81 | | 1.08 |
| | | Bonnethead | <u>Sphyrna tiburo</u> | | 1.32 | | | 0.72 |
| | | Requiem shark | Family Carcharhinidae | | 0.66 | | | 0.36 |
| | | Sandbar shark | <u>Carcharhinus plumbeus</u> | | | 0.81 | | 0.36 |
| | | Scalloped hammerhead | <u>Sphyrna lewin</u> | | 0.66 | | | 0.36 |
| | | Sheepshead | <u>Archosargus probatocephalus</u> | 66.67 | 0.66 | | | 1.08 |
| | | Silver seatrout | <u>Cynoscion nothus</u> | | 65.56 | 51.22 | | 58.27 |
| | | Snapper sp. | | | | | | |
| | | Lane snapper | <u>Lutjanus synagris</u> | | 1.32 | | | 0.72 |
| | | Southern flounder | <u>Paralichthys lethostigma</u> | | | 4.07 | | 1.80 |
| | | Southern kingfish | <u>Menticirrhus americanus</u> | 33.33 | 0.66 | | | 0.72 |
| Low use | | | | | | | | |
| | Weekend | Black drum | <u>Pogonias cromis</u> | | 10.45 | | | 10.29 |
| | | Crevalle jack | <u>Caranx hippos</u> | | 1.49 | | 100.00 | 2.94 |

Table H.15. (Cont'd.)

| Year Season | Day type | Common name | Scientific name | Area | | | | |
|----------------|----------|---------------------|------------------------------------|-----------|-----------|----------------|--------------------|-----------|
| | | | | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide |
| | | Gafftopsail catfish | <u>Bagre marinus</u> | | 14.93 | | | 14.71 |
| | | Gray triggerfish | <u>Balistes capriscus</u> | | 2.99 | | | 2.94 |
| | | Gulf kingfish | <u>Menticirrhus littoralis</u> | | 5.97 | | | 5.88 |
| | | Pigfish | <u>Orthopristis chrysoptera</u> | | 7.46 | | | 7.35 |
| | | Northern kingfish | <u>Menticirrhus saxatilis</u> | | 1.49 | | | 1.47 |
| | | Seabasses sp. | | | | | | |
| | | Rock sea bass | <u>Centropristis philadelphica</u> | | 1.49 | | | 1.47 |
| | | Sheepshead | <u>Archosargus probatocephalus</u> | | 28.36 | | | 27.94 |
| | | Southern kingfish | <u>Menticirrhus americanus</u> | | 5.97 | | | 5.88 |
| | | Striped mullet | <u>Mugil cephalus</u> | | 19.40 | | | 19.12 |
| | Weekday | Black drum | <u>Pogonias cromis</u> | | 100.00 | | | 95.45 |
| | | Little tunny | <u>Euthynnus alletteratus</u> | | | | 100.00 | 4.55 |

Table H.16. Percent composition of the annual residential origin of private-boat fishermen in the TTS by area (1982-85).

| Area Year ^a | Adjacent coastal counties | Non-adjacent coastal counties | Non-coastal counties | Other states and countries |
|---------------------------|------------------------------|----------------------------------|-------------------------|-------------------------------|
| Galveston | | | | |
| 1982-83 | 94 | 0 | 6 | 0 |
| 1983-84 | 96 | 0 | 0 | 4 |
| 1984-85 | 61 | 13 | 26 | 0 |
| Matagorda | | | | |
| 1982-83 | 67 | 16 | 16 | 1 |
| 1983-84 | 36 | 16 | 44 | 3 |
| 1984-85 | 55 | 15 | 30 | 0 |
| Corpus Christi | | | | |
| 1982-83 | 39 | 30 | 28 | 2 |
| 1983-84 | 22 | 21 | 53 | 4 |
| 1984-85 | 23 | 20 | 54 | 3 |
| Lower Laguna Madre | | | | |
| 1982-83 | 42 | 10 | 14 | 34 |
| 1983-84 | 16 | 32 | 52 | 0 |
| 1984-85 | 68 | 10 | 17 | 6 |
| Coastwide | | | | |
| 1982-83 | 59 | 13 | 25 | 2 |
| 1983-84 | 29 | 20 | 48 | 3 |
| 1984-85 | 40 | 17 | 40 | 3 |

^aPrior to May 1983 all fishermen in a fishing party were assigned to the boat owner's residence.

Table H.17. Percent composition of the residential origin of private-boat fishermen in the TTS during the high-use season by area and day type (1982-1985).

| Area Year ^a | Weekend | | | | Weekday | | | |
|---------------------------|---------------------------|-------------------------------|----------------------|------------------------|---------------------------|-------------------------------|----------------------|------------------------|
| | Adjacent coastal counties | Non-adjacent coastal counties | Non-coastal counties | Other states/countries | Adjacent coastal counties | Non-adjacent coastal counties | Non-coastal counties | Other states/countries |
| Galveston | | | | | | | | |
| 1982-83 | 89 | 0 | 11 | 0 | 100 | 0 | 0 | 0 |
| 1983-84 | 100 | 0 | 0 | 0 | 50 | 0 | 0 | 50 |
| 1984-85 | 91 | 0 | 9 | 0 | 33 | 25 | 42 | 0 |
| Matagorda | | | | | | | | |
| 1982-83 | 38 | 36 | 25 | 4 | 42 | 27 | 29 | 3 |
| 1983-84 | 38 | 13 | 46 | 3 | 37 | 13 | 45 | 5 |
| 1984-85 | 49 | 17 | 34 | 0 | 59 | 14 | 26 | 1 |
| Corpus Christi | | | | | | | | |
| 1982-83 | 32 | 11 | 56 | 0 | 24 | 9 | 56 | 10 |
| 1983-84 | 26 | 22 | 50 | 2 | 16 | 21 | 56 | 7 |
| 1984-85 | 26 | 23 | 50 | 1 | 17 | 16 | 59 | 7 |
| Lower Laguna Madre | | | | | | | | |
| 1982-83 | 87 | 8 | 5 | 0 | 38 | 22 | 38 | 3 |
| 1983-84 | 19 | 26 | 55 | 0 | 12 | 40 | 48 | 0 |
| 1984-85 | 77 | 9 | 12 | 2 | 51 | 15 | 28 | 7 |
| Coastwide | | | | | | | | |
| 1982-83 | 42 | 18 | 40 | 1 | 28 | 12 | 50 | 9 |
| 1983-84 | 32 | 19 | 47 | 2 | 22 | 20 | 52 | 6 |
| 1984-85 | 41 | 19 | 39 | 1 | 29 | 15 | 48 | 8 |

^aPrior to May 1983 all fishermen in a fishing party were assigned to the boat owner's residence.

Table H.18. Percent composition of the residential origin of private-boat fishermen in the TTS during the low-use season by area and day type (1982-1985). Blank = no fishermen interviewed.

| Area Year ^a | Weekend | | | | Weekday | | | |
|---------------------------|---------------------------|-------------------------------|----------------------|------------------------|---------------------------|-------------------------------|----------------------|------------------------|
| | Adjacent coastal counties | Non-adjacent coastal counties | Non-coastal counties | Other states/countries | Adjacent coastal counties | Non-adjacent coastal counties | Non-coastal counties | Other states/countries |
| Galveston | | | | | | | | |
| 1982-83 | | | | | | | | |
| 1983-84 | | | | | | | | |
| 1984-85 | | | | | | | | |
| Matagorda | | | | | | | | |
| 1982-83 | 100 | 0 | 0 | 0 | 88 | 0 | 12 | 0 |
| 1983-84 | 27 | 41 | 32 | | | | | |
| 1984-85 | 78 | 8 | 12 | 2 | 100 | 0 | 0 | 0 |
| Corpus Christi | | | | | | | | |
| 1982-83 | 100 | 0 | 0 | 0 | 100 | 0 | 0 | 0 |
| 1983-84 | 100 | 0 | 0 | 0 | 40 | 0 | 60 | 0 |
| 1984-85 | 0 | 17 | 67 | 17 | 0 | 0 | 100 | 0 |
| Lower Laguna Madre | | | | | | | | |
| 1982-83 | | | | | 100 | 0 | 0 | 0 |
| 1983-84 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 0 |
| 1984-85 | 76 | 3 | 10 | 10 | 57 | 10 | 5 | 27 |
| Coastwide | | | | | | | | |
| 1982-83 | 78 | 22 | 0 | 0 | 89 | 0 | 11 | 0 |
| 1983-84 | 28 | 44 | 28 | 0 | 25 | 0 | 75 | 0 |
| 1984-85 | 74 | 8 | 14 | 3 | 40 | 0 | 60 | 0 |

^aPrior to May 1983 all fishermen in a fishing party were assigned to the boat owner's residence.

Table H.19. Mean fishing-party size (No. of fishermen) and mean trip length (h) for private-boat fishermen in the TTS by area, season and day type (1982-1985). Blanks = no fishermen interviewed.

| Area Year | Mean fishing-party size | | | | | Mean trip length | | | | |
|--------------------|-------------------------|---------|----------------|---------|--------|------------------|---------|----------------|---------|--------|
| | High-use season | | Low-use season | | Annual | High-use season | | Low-use season | | Annual |
| | Weekend | Weekday | Weekend | Weekday | | Weekend | Weekday | Weekend | Weekday | |
| Galveston | | | | | | | | | | |
| 1982-83 | 3.1 | 3.5 | | | 3.1 | 6.7 | 7.5 | | | 6.8 |
| 1983-84 | 3.1 | 2.0 | | | 3.0 | 4.1 | 8.0 | | | 4.5 |
| 1984-85 | 3.7 | 4.0 | | | 3.8 | 5.7 | 4.5 | | | 5.1 |
| Matagorda | | | | | | | | | | |
| 1982-83 | 3.1 | 2.9 | 2.3 | 2.8 | 3.0 | 6.4 | 6.3 | 8.5 | 9.0 | 6.5 |
| 1983-84 | 2.9 | 2.9 | 3.7 | | 3.0 | 6.7 | 6.9 | 6.2 | | 6.7 |
| 1984-85 | 3.2 | 2.6 | 3.4 | 3.5 | 3.1 | 7.1 | 6.7 | 6.2 | 4.8 | 6.9 |
| Corpus Christi | | | | | | | | | | |
| 1982-83 | 3.1 | 2.8 | 2.0 | 2.0 | 2.9 | 5.8 | 5.7 | 7.0 | 4.0 | 5.7 |
| 1983-84 | 3.2 | 2.8 | 2.0 | 2.5 | 3.0 | 5.9 | 5.7 | 6.5 | 4.2 | 5.8 |
| 1984-85 | 3.1 | 2.9 | 2.0 | 7.0 | 3.0 | 5.3 | 5.3 | 3.8 | 6.0 | 5.3 |
| Lower Laguna Madre | | | | | | | | | | |
| 1982-83 | 3.0 | 3.2 | | 3.0 | 3.0 | 6.2 | 7.9 | | 8.1 | 7.4 |
| 1983-84 | 3.0 | 2.8 | 4.0 | 3.0 | 2.9 | 6.2 | 4.8 | 7.5 | 5.5 | 5.8 |
| 1984-85 | 3.0 | 2.5 | 2.5 | 3.0 | 2.8 | 5.6 | 3.9 | 4.8 | 4.2 | 5.1 |
| Coastwide | | | | | | | | | | |
| 1982-83 | 3.1 | 2.8 | 2.4 | 3.0 | 3.0 | 6.1 | 5.9 | 7.7 | 8.1 | 6.2 |
| 1983-84 | 3.1 | 2.9 | 3.6 | 2.7 | 3.0 | 6.1 | 6.0 | 6.3 | 4.7 | 6.1 |
| 1984-85 | 3.2 | 2.8 | 3.2 | 4.0 | 3.1 | 6.1 | 5.5 | 5.9 | 4.8 | 5.9 |

Appendix I: Estimates for party-boat fishing in the Texas Territorial Sea (TTS).

Table I.1. Number of days surveyed and number of party-boat fishermen interviewed () in the TTS by season, day type and area (1983-1985). WE = weekend days. WD = weekdays.

| Year Season Day type | Area | | | | |
|----------------------------|-----------|-----------|----------------|--------------------|-----------|
| | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide |
| 1983-84 | | | | | |
| High use | | | | | |
| WE | 32 (2) | 45 (3) | 45 (19) | 31 (11) | 153 (35) |
| WD | 63 (10) | 83 (10) | 96 (12) | 66 (15) | 308 (37) |
| Low use | | | | | |
| WE | 12 (0) | 24 (0) | 20 (0) | 12 (0) | 68 (0) |
| WD | 24 (10) | 40 (0) | 41 (0) | 24 (0) | 129 (0) |
| Annual | 131 (2) | 192 (13) | 202 (31) | 133 (26) | 658 (72) |
| 1984-85 | | | | | |
| High use | | | | | |
| WE | 31 (0) | 39 (0) | 41 (19) | 31 (0) | 142 (19) |
| WD | 65 (0) | 87 (8) | 95 (20) | 66 (10) | 313 (38) |
| Low use | | | | | |
| WE | 12 (0) | 19 (0) | 21 (0) | 12 (6) | 64 (6) |
| WD | 24 (0) | 41 (0) | 42 (0) | 24 (0) | 131 (0) |
| Annual | 132 (0) | 186 (8) | 199 (39) | 133 (16) | 650 (63) |

Table I.2. Pressure estimates (man-h x 1000) \pm 1 SE for party-boat fishermen in the TTS by season, day type and area (1983-1985).

| Area Year | High-use season | | Low-use season | | Annual ^a |
|------------------------|-----------------|-----------------|----------------|---------|---------------------|
| | Weekend | Weekday | Weekend | Weekday | |
| Galveston | | | | | |
| 1983-84 | 2.0 \pm 2.0 | 0.0 | 0.0 | 0.0 | 2.0 \pm 2.0 |
| 1984-85 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Matagorda | | | | | |
| 1983-84 | 0.2 \pm 0.2 | 3.6 \pm 3.5 | 0.0 | 0.0 | 3.8 \pm 3.5 |
| 1984-85 | 0.0 | 0.2 \pm 0.2 | 0.0 | 0.0 | 0.2 \pm 0.2 |
| Corpus Christi | | | | | |
| 1983-84 | 11.3 \pm 11.3 | 14.0 \pm 13.3 | 0.0 | 0.0 | 25.3 \pm 17.4 |
| 1984-85 | 2.8 \pm 2.8 | 7.4 \pm 6.1 | 0.0 | 0.0 | 10.3 \pm 6.7 |
| Lower Laguna Madre | | | | | |
| 1983-84 | 4.9 \pm 4.3 | 10.4 \pm 9.7 | 0.0 | 0.0 | 15.3 \pm 10.7 |
| 1984-85 | 0.0 | 0.9 \pm 0.7 | 4.5 \pm 4.5 | 0.0 | 5.4 \pm 4.5 |
| Coastwide ^a | | | | | |
| 1983-84 | 18.5 \pm 12.3 | 28.0 \pm 16.9 | 0.0 | 0.0 | 46.5 \pm 20.9 |
| 1984-85 | 2.8 \pm 2.8 | 8.6 \pm 6.1 | 4.5 \pm 4.5 | 0.0 | 15.9 \pm 8.1 |

^aDue to rounding of numbers, these totals may not exactly equal individual totals.

Table I.3. Annual estimated landings of fishes (No. x 1000) \pm 1 SE caught by party-boat fishermen in the TTS by species and area (1983-1985).

| Species Year | Area | | | | |
|--------------------------|-----------|---------------|-------------------|-----------------------|------------------------|
| | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide ^a |
| Atlantic croaker | | | | | |
| 1983-84 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984-85 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Atlantic sharpnose shark | | | | | |
| 1983-84 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984-85 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Cobia | | | | | |
| 1983-84 | 0.0 | 0.0 | <.1 \pm <.1 | 0.0 | <.1 \pm <.1 |
| 1984-85 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| King mackerel | | | | | |
| 1983-84 | 0.0 | 0.0 | 8.6 \pm 5.7 | 0.9 \pm 0.6 | 9.5 \pm 5.8 |
| 1984-85 | 0.0 | <.1 \pm <.1 | 0.8 \pm 0.5 | 0.5 \pm 0.5 | 1.3 \pm 0.7 |
| Red drum | | | | | |
| 1983-84 | 0.0 | 0.3 \pm 0.3 | 0.0 | 0.0 | 0.3 \pm 0.3 |
| 1984-85 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Red snapper | | | | | |
| 1983-84 | 0.0 | 0.0 | 0.0 | 7.3 \pm 6.2 | 7.3 \pm 6.2 |
| 1984-85 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Sand seatrout | | | | | |
| 1983-84 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984-85 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Spanish mackerel | | | | | |
| 1983-84 | 0.0 | 0.0 | 0.4 \pm 0.4 | 0.0 | 0.4 \pm 0.4 |
| 1984-85 | 0.0 | 0.0 | 0.0 | <.1 \pm <.1 | <.1 \pm <.1 |
| Spotted seatrout | | | | | |
| 1983-84 | 0.0 | 0.9 \pm 0.6 | 0.0 | 0.0 | 0.9 \pm 0.6 |
| 1984-85 | 0.0 | 0.3 \pm 0.3 | 0.0 | 0.0 | 0.3 \pm 0.3 |
| Vermilion snapper | | | | | |
| 1983-84 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984-85 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Other species | | | | | |
| 1983-84 | 0.0 | 1.2 | 0.4 \pm 0.4 | 0.5 \pm 0.3 | 2.1 |
| 1984-85 | 0.0 | 0.0 | 0.3 \pm 0.2 | 0.9 \pm 0.8 | 1.1 \pm 0.8 |

Table I.3. (Cont'd.)

| Species Year | Area | | | | Coastwide ^a |
|-----------------------------------|-----------|-----------|-------------------|-----------------------|------------------------|
| | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | |
| All species combined ^a | | | | | |
| 1983-84 | 0.0 | 2.5 ± 2.0 | 9.5 ± 6.4 | 8.7 ± 7.1 | 20.7 ± 9.7 |
| 1984-85 | 0.0 | 0.4 ± 0.3 | 1.1 ± 0.6 | 1.4 ± 1.3 | 2.9 ± 1.5 |

^aDue to rounding of numbers, these tables may not exactly equal individual totals.

Table I.4. Estimated landings of fishes (No. x 1000) \pm 1 SE caught by party-boat fishermen in the TTS during the high-use season by species, day type and area (1983-1984).

| Species | Year | Day type | Area | | | |
|--------------------------|---------|----------|-----------|---------------|----------------|---|
| | | | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre Coastwide ^a |
| Atlantic croaker | | | | | | |
| 1983 | | | | | | |
| | Weekend | | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | | | | | | |
| | Weekend | | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | | 0.0 | 0.0 | 0.0 | 0.0 |
| Atlantic sharpnose shark | | | | | | |
| 1983 | | | | | | |
| | Weekend | | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | | | | | | |
| | Weekend | | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | | 0.0 | 0.0 | 0.0 | 0.0 |
| Cobia | | | | | | |
| 1983 | | | | | | |
| | Weekend | | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | | 0.0 | 0.0 | <.1 \pm <.1 | <.1 \pm <.1 |
| 1984 | | | | | | |
| | Weekend | | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | | 0.0 | 0.0 | 0.0 | 0.0 |
| King mackerel | | | | | | |
| 1983 | | | | | | |
| | Weekend | | 0.0 | 0.0 | 3.9 \pm 3.9 | 0.5 \pm 0.5 4.4 \pm 3.9 |
| | Weekday | | 0.0 | 0.0 | 4.7 \pm 4.2 | 0.4 \pm 0.3 5.1 \pm 4.2 |
| 1984 | | | | | | |
| | Weekend | | 0.0 | 0.0 | <.1 \pm <.1 | 0.0 <.1 \pm <.1 |
| | Weekday | | 0.0 | <.1 \pm <.1 | 0.8 \pm 0.5 | <.1 \pm <.1 0.8 \pm 0.5 |
| Red drum | | | | | | |
| 1983 | | | | | | |
| | Weekend | | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | | 0.0 | 0.3 \pm 0.3 | 0.0 | 0.0 0.3 \pm 0.3 |
| 1984 | | | | | | |
| | Weekend | | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | | 0.0 | 0.0 | 0.0 | 0.0 |
| Red snapper | | | | | | |
| 1983 | | | | | | |
| | Weekend | | 0.0 | 0.0 | 0.0 | 6.9 \pm 6.2 6.9 \pm 6.2 |
| | Weekday | | 0.0 | 0.0 | 0.0 | 0.4 \pm 0.3 0.4 \pm 0.3 |

Table I.4. (Cont'd.)

| Species | Year | Day type | Area | | | | |
|---------------------|------|----------|-----------|-----------|----------------|--------------------|------------------------|
| | | | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide ^a |
| Red Snapper (cont.) | | | | | | | |
| | 1984 | | | | | | |
| | | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Sand seatrout | | | | | | | |
| | 1983 | | | | | | |
| | | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 1984 | | | | | | |
| | | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Spanish mackerel | | | | | | | |
| | 1983 | | | | | | |
| | | Weekend | 0.0 | 0.0 | 0.1 ± 0.1 | 0.0 | 0.1 ± 0.1 |
| | | Weekday | 0.0 | 0.0 | 0.4 ± 0.4 | 0.0 | 0.4 ± 0.4 |
| | 1984 | | | | | | |
| | | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Weekday | 0.0 | 0.0 | 0.0 | <.1 ± <.1 | <.1 ± <.1 |
| Spotted seatrout | | | | | | | |
| | 1983 | | | | | | |
| | | Weekend | 0.0 | <.1 ± <.1 | 0.0 | 0.0 | <.1 ± <.1 |
| | | Weekday | 0.0 | 0.9 ± 0.6 | 0.0 | 0.0 | 0.9 ± 0.6 |
| | 1984 | | | | | | |
| | | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Weekday | 0.0 | 0.3 ± 0.3 | 0.0 | 0.0 | 0.3 ± 0.3 |
| Vermilion snapper | | | | | | | |
| | 1983 | | | | | | |
| | | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 1984 | | | | | | |
| | | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Other species | | | | | | | |
| | 1983 | | | | | | |
| | | Weekend | 0.0 | 0.1 | 0.4 ± 0.4 | 0.4 ± 0.3 | 0.9 ± 0.5 |
| | | Weekday | 0.0 | 1.1 | 0.0 | 0.1 ± 0.1 | 1.2 |
| | 1984 | | | | | | |
| | | Weekend | 0.0 | 0.0 | 0.2 ± 0.2 | 0.0 | 0.2 ± 0.2 |
| | | Weekday | 0.0 | 0.0 | 0.1 ± 0.1 | 0.1 ± 0.1 | 0.1 ± 0.1 |

Table I.4. (Cont'd.)

| Species Year Day type | Area | | | | |
|-----------------------------------|-----------|-----------|-------------------|-----------------------|------------------------|
| | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide ^a |
| All species combined ^a | | | | | |
| 1983 | | | | | |
| Weekend | 0.0 | 0.1 ± 0.1 | 4.4 ± 4.4 | 7.8 ± 7.0 | 12.3 ± 8.3 |
| Weekday | 0.0 | 2.4 ± 2.1 | 5.1 ± 4.6 | 0.9 ± 0.5 | 8.5 ± 5.1 |
| 1984 | | | | | |
| Weekend | 0.0 | 0.0 | 0.2 ± 0.2 | 0.0 | 0.2 ± 0.2 |
| Weekday | 0.0 | 0.4 ± 0.3 | 0.9 ± 0.5 | 0.1 ± 0.1 | 1.3 ± 0.6 |

^aDue to rounding of numbers, these tables may not exactly equal individual totals.

Table I.5. Estimated landings of fishes (No. x 1000) \pm 1 SE caught by party-boat fishermen in the TTS during the low-use season by species, day type and area (1983-1985).

| Species | Area | | | | |
|--------------------------|-----------|-----------|----------------|--------------------|------------------------|
| | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide ^a |
| Year | | | | | |
| Day type | | | | | |
| Atlantic croaker | | | | | |
| 1983-84 | | | | | |
| Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984-85 | | | | | |
| Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Atlantic sharpnose shark | | | | | |
| 1983-84 | | | | | |
| Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984-85 | | | | | |
| Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Cobia | | | | | |
| 1983-84 | | | | | |
| Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984-85 | | | | | |
| Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| King mackerel | | | | | |
| 1983-84 | | | | | |
| Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984-85 | | | | | |
| Weekend | 0.0 | 0.0 | 0.0 | 0.5 \pm 0.5 | 0.5 \pm 0.5 |
| Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Red drum | | | | | |
| 1983-84 | | | | | |
| Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984-85 | | | | | |
| Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table I.5. (Cont'd.)

| Species | Year | Area | | | | Coastwide ^a |
|-------------------|------|-----------|-----------|----------------|--------------------|------------------------|
| | | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | |
| Day type | | | | | | |
| Red snapper | | | | | | |
| 1983-84 | | | | | | |
| Weekend | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Weekday | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984-85 | | | | | | |
| Weekend | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Weekday | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Sand seatrout | | | | | | |
| 1983-84 | | | | | | |
| Weekend | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Weekday | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984-85 | | | | | | |
| Weekend | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Weekday | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Spanish mackerel | | | | | | |
| 1983-84 | | | | | | |
| Weekend | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Weekday | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984-85 | | | | | | |
| Weekend | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Weekday | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Spotted seatrout | | | | | | |
| 1983-84 | | | | | | |
| Weekend | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Weekday | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984-85 | | | | | | |
| Weekend | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Weekday | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Vermilion snapper | | | | | | |
| 1983-84 | | | | | | |
| Weekend | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Weekday | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984-85 | | | | | | |
| Weekend | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Weekday | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Other species | | | | | | |
| 1983-84 | | | | | | |
| Weekend | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Weekday | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984-85 | | | | | | |
| Weekend | | 0.0 | 0.0 | 0.0 | 0.8 ± 0.8 | 0.8 ± 0.8 |
| Weekday | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table I.5. (Cont'd.)

| Species Year | Area | | | | |
|-----------------------------------|-----------|-----------|-------------------|-----------------------|------------------------|
| | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide ^a |
| All species combined ^a | | | | | |
| 1983-84 | | | | | |
| Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984-85 | | | | | |
| Weekend | 0.0 | 0.0 | 0.0 | 1.3 ± 1.3 | 1.3 ± 1.3 |
| Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

^aDue to rounding of numbers, these tables may not exactly equal individual totals.

Table I.6. Annual mean catch rates of fishes (No./man-h) \pm 1 SE caught by party-boat fishermen in the TTS by species and area (1983-1985). Blank = no fishermen interviewed.

| Species Year | Area | | | | |
|--------------------------|-----------|-----------------|-----------------|--------------------|-----------------|
| | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide |
| Atlantic croaker | | | | | |
| 1983-84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1984-85 | | 0.00 | 0.00 | 0.00 | 0.00 |
| Atlantic sharpnose shark | | | | | |
| 1983-84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1984-85 | | 0.00 | 0.00 | 0.00 | 0.00 |
| Cobia | | | | | |
| 1983-84 | 0.00 | 0.00 | <.01 \pm <.01 | 0.00 | <.01 \pm <.01 |
| 1984-85 | | 0.00 | 0.00 | 0.00 | 0.00 |
| King mackerel | | | | | |
| 1983-84 | 0.00 | 0.00 | 0.34 \pm 0.29 | 0.06 \pm 0.05 | 0.20 \pm 0.14 |
| 1984-85 | | 0.02 \pm 0.02 | 0.08 \pm 0.06 | 0.10 \pm 0.10 | 0.08 \pm 0.06 |
| Red drum | | | | | |
| 1983-84 | 0.00 | 0.09 \pm 0.09 | 0.00 | 0.00 | 0.01 \pm 0.01 |
| 1984-85 | | 0.00 | 0.00 | 0.00 | 0.00 |
| Red snapper | | | | | |
| 1983-84 | 0.00 | 0.00 | 0.00 | 0.48 \pm 0.44 | 0.16 \pm 0.14 |
| 1984-85 | | 0.00 | 0.00 | 0.00 | 0.00 |
| Sand seatrout | | | | | |
| 1983-84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1984-85 | | 0.00 | 0.00 | 0.00 | 0.00 |
| Spanish mackerel | | | | | |
| 1983-84 | 0.00 | 0.00 | 0.02 \pm 0.02 | 0.00 | 0.01 \pm 0.01 |
| 1984-85 | | 0.00 | 0.00 | <.01 \pm <.01 | <.01 \pm <.01 |
| Spotted seatrout | | | | | |
| 1983-84 | 0.00 | 0.25 \pm 0.24 | 0.00 | 0.00 | 0.02 \pm 0.01 |
| 1984-85 | | 1.59 \pm 1.59 | 0.00 | 0.00 | 0.02 \pm 0.02 |
| Vermilion snapper | | | | | |
| 1983-84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1984-85 | | 0.00 | 0.00 | 0.00 | 0.00 |
| Other species | | | | | |
| 1983-84 | 0.00 | 0.32 | 0.02 \pm 0.02 | 0.03 \pm 0.03 | 0.05 |
| 1984-85 | | 0.00 | 0.02 \pm 0.02 | 0.16 \pm 0.16 | 0.07 \pm 0.06 |

Table I.6. (Cont'd.)

| Species Year | Area | | | | Coastwide |
|-----------------------------------|-----------|-------------|-------------------|-----------------------|-------------|
| | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | |
| All species combined ^a | | | | | |
| 1983-84 | 0.00 | 0.66 ± 0.64 | 0.38 ± 0.32 | 0.57 ± 0.52 | 0.45 ± 0.27 |
| 1984-85 | | 1.62 ± 1.60 | 0.10 ± 0.08 | 0.27 ± 0.26 | 0.18 ± 0.12 |

^aDue to rounding of numbers, these totals may not exactly equal individual totals.

Table I.7. Mean catch rates of fishes (No./man-h) \pm 1 SE caught by party-boat fishermen in the TTS during the high-use season by species, day type and area (1983-1984). Blank = no fishermen interviewed.

| Species | Year | Day type | Area | | | | |
|--------------------------|------|----------|-----------|-----------------|-----------------|--------------------|-----------------|
| | | | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide |
| Atlantic croaker | | | | | | | |
| | 1983 | | | | | | |
| | | Weekend | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | Weekday | | 0.00 | 0.00 | 0.00 | |
| | 1984 | | | | | | |
| | | Weekend | | | 0.00 | 0.00 | |
| | | Weekday | | 0.00 | 0.00 | 0.00 | |
| Atlantic sharpnose shark | | | | | | | |
| | 1983 | | | | | | |
| | | Weekend | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | Weekday | | 0.00 | 0.00 | 0.00 | |
| | 1984 | | | | | | |
| | | Weekend | | | 0.00 | 0.00 | |
| | | Weekday | | 0.00 | 0.00 | 0.00 | |
| Cobia | | | | | | | |
| | 1983 | | | | | | |
| | | Weekend | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | Weekday | | 0.00 | 0.00 | <.01 \pm <.01 | |
| | 1984 | | | | | | |
| | | Weekend | | | 0.00 | 0.00 | |
| | | Weekday | | 0.00 | 0.00 | 0.00 | |
| King mackerel | | | | | | | |
| | 1983 | | | | | | |
| | | Weekend | 0.00 | 0.00 | 0.34 \pm 0.34 | 0.11 \pm 0.11 | 0.24 \pm 0.22 |
| | | Weekday | | 0.00 | 0.34 \pm 0.33 | 0.04 \pm 0.04 | 0.18 \pm 0.16 |
| | 1984 | | | | | | |
| | | Weekend | | | 0.02 \pm 0.02 | | 0.02 \pm 0.02 |
| | | Weekday | | 0.02 \pm 0.02 | 0.10 \pm 0.09 | 0.03 \pm 0.03 | 0.09 \pm 0.08 |
| Red drum | | | | | | | |
| | 1983 | | | | | | |
| | | Weekend | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Weekday | | 0.10 \pm 0.10 | 0.00 | 0.00 | 0.01 \pm 0.01 |
| | 1984 | | | | | | |
| | | Weekend | | | 0.00 | | 0.00 |
| | | Weekday | | 0.00 | 0.00 | 0.00 | 0.00 |

Table I.7. (Cont'd.)

| Species | Year | Area | | | | Coastwide |
|-------------------|----------|-----------|-------------|----------------|--------------------|-------------|
| | | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | |
| | Day type | | | | | |
| Red snapper | | | | | | |
| | 1983 | | | | | |
| | Weekend | 0.00 | 0.00 | 0.00 | 1.38 ± 1.36 | 0.37 ± 0.35 |
| | Weekday | | 0.00 | 0.00 | 0.04 ± 0.04 | 0.02 ± 0.01 |
| | 1984 | | | | | |
| | Weekend | | | 0.00 | | 0.00 |
| | Weekday | | 0.00 | 0.00 | 0.00 | 0.00 |
| Sand seatrout | | | | | | |
| | 1983 | | | | | |
| | Weekend | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Weekday | | 0.00 | 0.00 | 0.00 | 0.00 |
| | 1984 | | | | | |
| | Weekend | | | 0.00 | | 0.00 |
| | Weekday | | 0.00 | 0.00 | 0.00 | 0.00 |
| Spanish mackerel | | | | | | |
| | 1983 | | | | | |
| | Weekend | 0.00 | 0.00 | 0.01 ± 0.01 | 0.00 | <.01 ± <.01 |
| | Weekday | | 0.00 | 0.03 ± 0.03 | 0.00 | 0.01 ± 0.01 |
| | 1984 | | | | | |
| | Weekend | | | 0.00 | | 0.00 |
| | Weekday | | 0.00 | 0.00 | 0.03 ± 0.03 | <.01 ± <.01 |
| Spotted seatrout | | | | | | |
| | 1983 | | | | | |
| | Weekend | 0.00 | 0.20 ± 0.20 | 0.00 | 0.00 | <.01 ± <.01 |
| | Weekday | | 0.25 ± 0.25 | 0.00 | 0.00 | 0.03 ± 0.03 |
| | 1984 | | | | | |
| | Weekend | | | 0.00 | | 0.00 |
| | Weekday | | 1.59 ± 1.59 | 0.00 | 0.00 | 0.04 ± 0.04 |
| Vermilion snapper | | | | | | |
| | 1983 | | | | | |
| | Weekend | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Weekday | | 0.00 | 0.00 | 0.00 | 0.00 |
| | 1984 | | | | | |
| | Weekend | | | 0.00 | | 0.00 |
| | Weekday | | 0.00 | 0.00 | 0.00 | 0.00 |
| Other species | | | | | | |
| | 1983 | | | | | |
| | Weekend | 0.00 | 0.27 ± 0.27 | 0.04 ± 0.04 | 0.08 ± 0.08 | 0.05 ± 0.04 |
| | Weekday | | 0.32 | 0.00 | 0.01 ± 0.01 | 0.04 |
| | 1984 | | | | | |
| | Weekend | | | 0.06 ± 0.06 | | 0.06 ± 0.06 |
| | Weekday | | 0.00 | 0.01 ± 0.01 | 0.06 ± 0.06 | 0.02 ± 0.01 |

Table I.7. (Cont'd.)

| Species Year Day type | Area | | | | |
|-----------------------------------|-----------|-------------|-------------------|-----------------------|-------------|
| | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide |
| All species combined ^a | | | | | |
| 1983 | | | | | |
| Weekend | 0.00 | 0.47 ± 0.47 | 0.39 ± 0.39 | 1.58 ± 1.54 | 0.66 ± 0.55 |
| Weekday | | 0.67 ± 0.66 | 0.37 ± 0.36 | 0.09 ± 0.08 | 0.30 ± 0.23 |
| 1984 | | | | | |
| Weekend | | | 0.08 ± 0.08 | | 0.08 ± 0.08 |
| Weekday | | 1.62 ± 1.60 | 0.12 ± 0.10 | 0.12 ± 0.12 | 0.15 ± 0.12 |

^aDue to rounding of numbers, these totals may not exactly equal individual totals.

Table 1.8. Mean catch rates of fishes (No./man-h) \pm 1 SE caught by party-boat fishermen in the TTS during the low-use season by species, day type and area (1983-1985). Blank = no fishermen interviewed.

| Species | Year | Day type | Area | | | | |
|--------------------------|---------|----------|-----------|-----------|----------------|--------------------|-----------------|
| | | | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide |
| Atlantic croaker | 1983-84 | Weekend | | | | | |
| | | Weekday | | | | | |
| | 1984-85 | Weekend | | | | 0.00 | 0.00 |
| | | Weekday | | | | | |
| Atlantic sharpnose shark | 1983-84 | Weekend | | | | | |
| | | Weekday | | | | | |
| | 1984-85 | Weekend | | | | 0.00 | 0.00 |
| | | Weekday | | | | | |
| Cobia | 1983-84 | Weekend | | | | | |
| | | Weekday | | | | | |
| | 1984-85 | Weekend | | | | 0.00 | 0.00 |
| | | Weekday | | | | | |
| King mackerel | 1983-84 | Weekend | | | | | |
| | | Weekday | | | | | |
| | 1984-85 | Weekend | | | | 0.11 \pm 0.11 | 0.11 \pm 0.11 |
| | | Weekday | | | | | |
| Red drum | 1983-84 | Weekend | | | | | |
| | | Weekday | | | | | |
| | 1984-85 | Weekend | | | | 0.00 | 0.00 |
| | | Weekday | | | | | |

Table I.8. (Cont'd.)

| Species | Year | Day type | Area | | | | |
|-------------------|---------|----------|-----------|-----------|----------------|--------------------|-------------|
| | | | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide |
| Red snapper | 1983-84 | Weekend | | | | | |
| | | Weekday | | | | | |
| | 1984-85 | Weekend | | | | 0.00 | 0.00 |
| | | Weekday | | | | | |
| Sand seatrout | 1983-84 | Weekend | | | | | |
| | | Weekday | | | | | |
| | 1984-85 | Weekend | | | | 0.00 | 0.00 |
| | | Weekday | | | | | |
| Spanish mackerel | 1983-84 | Weekend | | | | | |
| | | Weekday | | | | | |
| | 1984-85 | Weekend | | | | 0.00 | 0.00 |
| | | Weekday | | | | | |
| Spotted seatrout | 1983-84 | Weekend | | | | | |
| | | Weekday | | | | | |
| | 1984-85 | Weekend | | | | 0.00 | 0.00 |
| | | Weekday | | | | | |
| Vermilion snapper | 1983-84 | Weekend | | | | | |
| | | Weekday | | | | | |
| | 1984-85 | Weekend | | | | 0.00 | 0.00 |
| | | Weekday | | | | | |
| Other species | 1983-84 | Weekend | | | | | |
| | | Weekday | | | | | |
| | 1984-85 | Weekend | | | | 0.18 ± 0.18 | 0.18 ± 0.18 |
| | | Weekday | | | | | |

Table I.8. (Cont'd.)

| Species | Area | | | | |
|-----------------------------------|-----------|-----------|----------------|--------------------|-------------|
| | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide |
| Year | | | | | |
| Day type | | | | | |
| All species combined ^a | | | | | |
| 1983-84 | | | | | |
| Weekend | | | | | |
| Weekday | | | | | |
| 1984-85 | | | | | |
| Weekend | | | | 0.30 ± 0.30 | 0.30 ± 0.30 |
| Weekday | | | | | |

^aDue to rounding of numbers, these totals may not exactly equal individual totals.

Table I.9. Mean catch rates of fish (No./man-h) \pm SE caught by party-boat fishermen in the Gulf of Mexico (TTS and FCZ combined) off Texas during June-August by species and area (1979-1984)^a. Number in parenthesis indicates number of interviews. ND = no data.

| Area Year | King mackerel | Red snapper | Spanish mackerel | Cobia | Atlantic ^b sharpnose shark | Other | All species combined |
|---------------------------|------------------|-----------------|---------------------|-----------------|---|-------|-------------------------|
| Galveston | | | | | | | |
| 1979 (5) | 0.17 \pm 0.08 | 0.05 \pm 0.02 | 0.20 \pm 0.14 | <.01 | 0.00 | 0.04 | 0.45 \pm 0.10 |
| 1981 (26) | 0.28 \pm 0.04 | 0.14 \pm 0.07 | 0.04 \pm 0.04 | 0.02 \pm 0.01 | 0.01 \pm 0.01 | 0.23 | 0.72 \pm 0.11 |
| 1982 (21) | 0.27 \pm 0.06 | 0.25 \pm 0.20 | 0.01 \pm 0.01 | 0.04 \pm 0.01 | <.01 | 0.10 | 0.66 \pm 0.19 |
| 1983 (1) | 0.32 \pm 0.32 | 0.00 | 0.06 \pm 0.06 | 0.00 | 0.00 | 0.03 | 0.41 \pm 0.41 |
| 1984 (0) | ND | ND | ND | ND | ND | ND | ND |
| Matagorda | | | | | | | |
| 1979 (0) | ND | ND | ND | ND | ND | ND | ND |
| 1981 (0) | ND | ND | ND | ND | ND | ND | ND |
| 1982 (7) | 0.20 \pm 0.07 | 0.04 \pm 0.03 | 0.01 \pm 0.01 | 0.01 \pm 0.01 | 0.00 | 0.06 | 0.48 \pm 0.14 |
| 1983 (5) | 0.01 \pm 0.01 | <.01 | 0.00 | 0.00 | 0.00 | 0.60 | 0.61 \pm 0.58 |
| 1984 (3) | 0.04 \pm 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.54 \pm 0.50 |
| Corpus Christi | | | | | | | |
| 1979 (11) | 0.29 \pm 0.07 | 0.00 | 0.00 | 0.01 \pm 0.01 | <.01 | 0.08 | 0.37 \pm 0.09 |
| 1981 (24) | 0.41 \pm 0.07 | <.01 | 0.01 \pm 0.01 | 0.01 \pm 0.01 | 0.06 \pm 0.03 | 0.05 | 0.56 \pm 0.09 |
| 1982 (33) | 0.20 \pm 0.03 | 0.02 \pm 0.02 | <.01 | 0.01 \pm 0.01 | 0.02 \pm 0.01 | 0.03 | 0.28 \pm 0.04 |
| 1983 (23) | 0.18 \pm 0.14 | 0.00 | <.01 | 0.00 | <.01 | 0.14 | 0.33 \pm 0.23 |
| 1984 (24) | 0.18 \pm 0.10 | 0.00 | 0.00 | <.01 | 0.00 | 0.04 | 0.22 \pm 0.22 |
| Lower Laguna Madre | | | | | | | |
| 1979 (0) | ND | ND | ND | ND | ND | ND | ND |
| 1981 (10) | 0.42 \pm 0.15 | 0.28 \pm 0.28 | <.01 | 0.00 | 0.02 \pm 0.01 | 0.08 | 0.94 \pm 0.31 |
| 1982 (11) | 0.38 \pm 0.17 | 0.56 \pm 0.38 | 0.00 | 0.02 \pm 0.01 | 0.00 | 0.09 | 1.05 \pm 0.36 |
| 1983 (14) | 0.04 \pm 0.03 | 0.21 \pm 0.16 | 0.00 | 0.00 | 0.00 | 0.06 | 0.30 \pm 0.21 |
| 1984 (5) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.10 \pm 0.09 |
| Coastwide | | | | | | | |
| 1979 (16) ^c | 0.25 \pm 0.06 | 0.02 \pm 0.01 | 0.09 \pm 0.04 | 0.01 \pm 0.01 | <.01 | 0.06 | 0.41 \pm 0.05 |
| 1981 (60) ^d | 0.37 \pm 0.04 | 0.11 \pm 0.02 | 0.02 \pm 0.01 | 0.01 \pm 0.01 | 0.03 \pm 0.01 | 0.14 | 0.69 \pm 0.04 |
| 1982 (72) | 0.25 \pm 0.03 | 0.18 \pm 0.05 | 0.01 \pm 0.01 | 0.02 \pm 0.01 | 0.01 \pm 0.01 | 0.07 | 0.53 \pm 0.05 |
| 1983 (43) | 0.15 \pm 0.10 | 0.03 \pm 0.02 | <.01 | 0.00 | <.01 | 0.14 | 0.34 \pm 0.19 |
| 1984 (32) ^e | 0.16 \pm 0.08 | 0.00 | 0.00 | <.01 | 0.00 | 0.06 | 0.21 \pm 0.10 |

^a1979-1982 data from McEachron (1984).

^bIncludes all species of shark retained during 1979-82.

^cGalveston/Freeport and Aransas/Corpus Christi/upper Laguna Madre only.

^dGalveston/Freeport, Aransas/Corpus Christi/upper Laguna Madre and lower Laguna Madre only.

^eMatagorda/San Antonio, Aransas/Corpus Christi/upper Laguna Madre and lower Laguna Madre only.

Table I.10. Annual mean weights of fishes (kg/fish) \pm 1 SE caught by party-boat fishermen in the TTS by species and area (1983-1985). Blank = no fish weighed.

| Species Year | Area | | | | |
|-----------------------------------|-----------|-----------------|-------------------|-----------------------|-----------------|
| | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide |
| Atlantic croaker | | | | | |
| 1983-84 | | | | | |
| 1984-85 | | | | | |
| Atlantic sharpnose shark | | | | | |
| 1983-84 | | | | | |
| 1984-85 | | | | | |
| Cobia | | | | | |
| 1983-84 | | | 19.50 | | 19.50 |
| 1984-85 | | | | | |
| King mackerel | | | | | |
| 1983-84 | | | 9.04 \pm 0.76 | 9.10 | 9.05 \pm 0.72 |
| 1984-85 | | | 5.46 \pm 0.28 | 6.59 | 5.90 \pm 2.75 |
| Red drum | | | | | |
| 1983-84 | | 2.97 | | | 2.97 |
| 1984-85 | | | | | |
| Red snapper | | | | | |
| 1983-84 | | | | 0.31 \pm 0.01 | 0.31 \pm 0.01 |
| 1984-85 | | | | | |
| Sand seatrout | | | | | |
| 1983-84 | | | | | |
| 1984-85 | | | | | |
| Spanish mackerel | | | | | |
| 1983-84 | | | 1.55 | | 1.55 |
| 1984-85 | | | | | |
| Spotted seatrout | | | | | |
| 1983-84 | | 0.95 \pm 0.03 | | | 0.95 \pm 0.03 |
| 1984-85 | | 1.56 | | | 1.56 |
| Vermilion snapper | | | | | |
| 1983-84 | | | | | |
| 1984-85 | | | | | |
| All species combined ^a | | | | | |
| 1983-84 | | 1.02 \pm 0.14 | 8.86 \pm 0.93 | 4.21 \pm 1.39 | 5.96 \pm 1.03 |
| 1984-85 | | 1.50 | 5.43 \pm 0.25 | 6.50 | 5.49 \pm 3.54 |

^aIncludes "other" species.

Table I.11. Mean weights of fishes (kg/fish) \pm 1 SE caught by party-boat fishermen in the TTS during the high-use season by species, day type and area (1983-1984). Blank = no fish weighed.

| Species | Year | Day type | Area | | |
|---------------------------------|------|----------|-----------|------------------|------------------|
| | | | Galveston | Matagorda | Coastwide |
| Atlantic croaker | | | | | |
| | 1983 | | | | |
| | | Weekend | | | |
| | | Weekday | | | |
| | 1984 | | | | |
| | | Weekend | | | |
| | | Weekday | | | |
| Atlantic sharpnose shark | | | | | |
| | 1983 | | | | |
| | | Weekend | | | |
| | | Weekday | | | |
| | 1984 | | | | |
| | | Weekend | | | |
| | | Weekday | | | |
| Cobia | | | | | |
| | 1983 | | | | |
| | | Weekend | | | |
| | | Weekday | | 19.50 | 19.50 |
| | 1984 | | | | |
| | | Weekend | | | |
| | | Weekday | | | |
| King mackerel | | | | | |
| | 1983 | | | | |
| | | Weekend | | 8.30 | 7.49 |
| | | Weekday | | 10.09 \pm 1.32 | 9.39 \pm 0.51 |
| | 1984 | | | | |
| | | Weekend | | | 10.02 \pm 1.24 |
| | | Weekday | | 5.46 \pm 0.28 | 5.46 \pm 0.28 |
| Red drum | | | | | |
| | 1983 | | | | |
| | | Weekend | | | |
| | | Weekday | | 2.97 | 2.97 |
| | 1984 | | | | |
| | | Weekend | | | |
| | | Weekday | | | |
| Red snapper | | | | | |
| | 1983 | | | | |
| | | Weekend | | | 0.31 |
| | | Weekday | | 0.32 | 0.32 |

Table I.11. (Cont'd.)

| Species | Year | Day type | Area | | | |
|-----------------------------------|------|----------|-------------|-------------|----------------|---------------------------------|
| | | | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre Coastwide |
| Red Snapper (cont.) | | | | | | |
| | 1984 | | | | | |
| | | Weekend | | | | |
| | | Weekday | | | | |
| Sand seatrout | | | | | | |
| | 1983 | | | | | |
| | | Weekend | | | | |
| | | Weekday | | | | |
| | 1984 | | | | | |
| | | Weekend | | | | |
| | | Weekday | | | | |
| Spanish mackerel | | | | | | |
| | 1983 | | | | | |
| | | Weekend | | | | |
| | | Weekday | | 1.55 | | 1.55 |
| | 1984 | | | | | |
| | | Weekend | | | | |
| | | Weekday | | | | |
| Spotted seatrout | | | | | | |
| | 1983 | | | | | |
| | | Weekend | | 0.97 | | 0.97 |
| | | Weekday | 0.95 ± 0.03 | | | 0.95 ± 0.03 |
| | 1984 | | | | | |
| | | Weekend | | | | |
| | | Weekday | 1.56 | | | 1.56 |
| Vermilion snapper | | | | | | |
| | 1983 | | | | | |
| | | Weekend | | | | |
| | | Weekday | | | | |
| | 1984 | | | | | |
| | | Weekend | | | | |
| | | Weekday | | | | |
| All species combined ^a | | | | | | |
| | 1983 | | | | | |
| | | Weekend | 0.90 | 8.20 | 2.10 | 3.87 ± 3.87 |
| | | Weekday | 1.04 ± 0.17 | 9.84 ± 2.30 | 5.77 ± 1.84 | 6.54 ± 1.57 |
| | 1984 | | | | | |
| | | Weekend | | | | |
| | | Weekday | 1.50 | 5.43 ± 0.25 | | 4.29 ± 0.61 |

^aIncludes "other" species.

Table I.12. Mean weights of fishes (kg/fish) \pm 1 SE caught by party-boat fishermen in the TTS during the low-use season by species, day type and area (1983-1985). Blank = no fish weighed.

| Species | Year | Area | | | | |
|--------------------------|---------|-----------|-----------|----------------|--------------------|-----------|
| | | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide |
| Atlantic croaker | | | | | | |
| | 1983-84 | | | | | |
| | Weekend | | | | | |
| | Weekday | | | | | |
| | 1984-85 | | | | | |
| | Weekend | | | | | |
| | Weekday | | | | | |
| Atlantic sharpnose shark | | | | | | |
| | 1983-84 | | | | | |
| | Weekend | | | | | |
| | Weekday | | | | | |
| | 1984-85 | | | | | |
| | Weekend | | | | | |
| | Weekday | | | | | |
| Cobia | | | | | | |
| | 1983-84 | | | | | |
| | Weekend | | | | | |
| | Weekday | | | | | |
| | 1984-85 | | | | | |
| | Weekend | | | | | |
| | Weekday | | | | | |
| King mackerel | | | | | | |
| | 1983-84 | | | | | |
| | Weekend | | | | | |
| | Weekday | | | | | |
| | 1984-85 | | | | | |
| | Weekend | | | | 6.50 | 6.50 |
| | Weekday | | | | | |
| Red drum | | | | | | |
| | 1983-84 | | | | | |
| | Weekend | | | | | |
| | Weekday | | | | | |
| | 1984-85 | | | | | |
| | Weekend | | | | | |
| | Weekday | | | | | |
| Red snapper | | | | | | |
| | 1983-84 | | | | | |
| | Weekend | | | | | |
| | Weekday | | | | | |

Table I.12. (Cont'd.)

| Species | Year | Day type | Area | | | |
|-----------------------------------|---------|----------|-----------|-----------|----------------|--------------------|
| | | | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre |
| Red snapper (cont.) | | | | | | |
| | 1984-85 | | | | | |
| | | Weekend | | | | |
| | | Weekday | | | | |
| Sand seatrout | | | | | | |
| | 1983-84 | | | | | |
| | | Weekend | | | | |
| | | Weekday | | | | |
| | 1984-85 | | | | | |
| | | Weekend | | | | |
| | | Weekday | | | | |
| Spanish mackerel | | | | | | |
| | 1983-84 | | | | | |
| | | Weekend | | | | |
| | | Weekday | | | | |
| | 1984-85 | | | | | |
| | | Weekend | | | | |
| | | Weekday | | | | |
| Spotted seatrout | | | | | | |
| | 1983-84 | | | | | |
| | | Weekend | | | | |
| | | Weekday | | | | |
| | 1984-85 | | | | | |
| | | Weekend | | | | |
| | | Weekday | | | | |
| Vermilion snapper | | | | | | |
| | 1983-84 | | | | | |
| | | Weekend | | | | |
| | | Weekday | | | | |
| | 1984-85 | | | | | |
| | | Weekend | | | | |
| | | Weekday | | | | |
| All species combined ^a | | | | | | |
| | 1983-84 | | | | | |
| | | Weekend | | | | |
| | | Weekday | | | | |
| | 1984-85 | | | | | |
| | | Weekend | | | 6.50 | 6.50 |
| | | Weekday | | | | |

^aIncludes "other" species.

Table I.13. Annual mean total lengths of fishes (mm/fish) \pm 1 SE caught by party-boat fishermen in the TTS by species and area (1983-1985). Blank = no fish measured.

| Species Year | Area | | | | | |
|-----------------------------------|-----------|-------------|----------------|--------------------|---------------|------|
| | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide | |
| Atlantic croaker | | | | | | |
| 1983-84 | | | | | | |
| 1984-85 | | | | | | |
| Atlantic sharpnose shark | | | | | | |
| 1983-84 | | | | | | |
| 1984-85 | | | | | | |
| Cobia | | | | | | |
| 1983-84 | | | 1292 | | | 1292 |
| 1984-85 | | | | | | |
| King mackerel | | | | | | |
| 1983-84 | | | 984 \pm 23 | 990 \pm 15 | 985 \pm 20 | |
| 1984-85 | | | 840 \pm 11 | 896 | 860 \pm 257 | |
| Red drum | | | | | | |
| 1983-84 | | 651 | | | | 651 |
| 1984-85 | | | | | | |
| Red snapper | | | | | | |
| 1983-84 | | | | 287 \pm 4 | 287 \pm 4 | |
| 1984-85 | | | | | | |
| Sand seatrout | | | | | | |
| 1983-84 | | | | | | |
| 1984-85 | | | | | | |
| Spanish mackerel | | | | | | |
| 1983-84 | | | 674 | | | 674 |
| 1984-85 | | | | | | |
| Spotted seatrout | | | | | | |
| 1983-84 | | 464 \pm 5 | | | 464 \pm 5 | |
| 1984-85 | | 547 | | | 547 | |
| Vermilion snapper | | | | | | |
| 1983-84 | | | | | | |
| 1984-85 | | | | | | |
| All species combined ^a | | | | | | |
| 1983-84 | | 466 \pm 9 | 958 \pm 35 | 561 \pm 86 | 731 \pm 37 | |
| 1984-85 | | 547 | 855 \pm 16 | 782 | 781 \pm 310 | |

^aIncludes "other" species.

Table I.14. Mean total lengths of fishes (mm/fish) \pm 1 SE caught by party-boat fishermen in the TTS during the high-use season by species, day type and area (1983-1984). Blank = no fish measured.

| Species | Year | Day type | Area | | | | |
|--------------------------|------|----------|-----------|-----------|----------------|--------------------|---------------|
| | | | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide |
| Atlantic croaker | 1983 | Weekend | | | | | |
| | | Weekday | | | | | |
| | 1984 | Weekend | | | | | |
| | | Weekday | | | | | |
| Atlantic sharpnose shark | 1983 | Weekend | | | | | |
| | | Weekday | | | | | |
| | 1984 | Weekend | | | | | |
| | | Weekday | | | | | |
| Cobia | 1983 | Weekend | | | | | |
| | | Weekday | | | 1292 | | 1292 |
| | 1984 | Weekend | | | | | |
| | | Weekday | | | | | |
| King mackerel | 1983 | Weekend | | | 963 | 935 | 959 \pm 855 |
| | | Weekday | | | 1015 \pm 45 | 1001 \pm 18 | 1014 \pm 39 |
| | 1984 | Weekend | | | | | |
| | | Weekday | | | 840 \pm 11 | | 840 \pm 11 |
| Red drum | 1983 | Weekend | | | | | |
| | | Weekday | | 651 | | | 651 |
| | 1984 | Weekend | | | | | |
| | | Weekday | | | | | |
| Red snapper | 1983 | Weekend | | | | 283 | 283 |
| | | Weekday | | | | 291 | 291 |

Table I.14. (Cont'd.)

| Species | Year | Day type | Area | | | |
|-----------------------------------|------|----------|-----------|-----------|----------------|--------------------|
| | | | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre |
| Red snapper (cont.) | | | | | | |
| | 1984 | | | | | |
| | | Weekend | | | | |
| | | Weekday | | | | |
| Sand seatrout | | | | | | |
| | 1983 | | | | | |
| | | Weekend | | | | |
| | | Weekday | | | | |
| | 1984 | | | | | |
| | | Weekend | | | | |
| | | Weekday | | | | |
| Spanish mackerel | | | | | | |
| | 1983 | | | | | |
| | | Weekend | | | | |
| | | Weekday | | 674 | | 674 |
| | 1984 | | | | | |
| | | Weekend | | | | |
| | | Weekday | | | | |
| Spotted seatrout | | | | | | |
| | 1983 | | | | | |
| | | Weekend | | 468 | | 468 |
| | | Weekday | 464 ± | 6 | | 464 ± 6 |
| | 1984 | | | | | |
| | | Weekend | | | | |
| | | Weekday | | 547 | | 547 |
| Vermilion snapper | | | | | | |
| | 1983 | | | | | |
| | | Weekend | | | | |
| | | Weekday | | | | |
| | 1984 | | | | | |
| | | Weekend | | | | |
| | | Weekday | | | | |
| All species combined ^a | | | | | | |
| | 1983 | | | | | |
| | | Weekend | 523 ± | 98 | 930 ± 330 | 431 |
| | | Weekday | 460 ± | 9 | 1001 ± 78 | 658 ± 30 |
| | 1984 | | | | | |
| | | Weekend | | | 1086 | 1086 |
| | | Weekday | 547 | | 849 ± 10 | 762 ± 97 |

^aIncludes "other" species.

Table I.15. Mean total lengths of fishes (mm/fish) \pm 1 SE caught by party-boat fishermen in the TTS during the low-use season by species, day type and area (1983-1985). Blank = no fish measured.

| Species | Area | | | | |
|--------------------------|-----------|-----------|----------------|--------------------|-----------|
| | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide |
| Atlantic croaker | | | | | |
| 1983-84 | | | | | |
| Weekend | | | | | |
| Weekday | | | | | |
| 1984-85 | | | | | |
| Weekend | | | | | |
| Weekday | | | | | |
| Atlantic sharpnose shark | | | | | |
| 1983-84 | | | | | |
| Weekend | | | | | |
| Weekday | | | | | |
| 1984-85 | | | | | |
| Weekend | | | | | |
| Weekday | | | | | |
| Cobia | | | | | |
| 1983-84 | | | | | |
| Weekend | | | | | |
| Weekday | | | | | |
| 1984-85 | | | | | |
| Weekend | | | | | |
| Weekday | | | | | |
| King mackerel | | | | | |
| 1983-84 | | | | | |
| Weekend | | | | | |
| Weekday | | | | | |
| 1984-85 | | | | | |
| Weekend | | | | 896 | 896 |
| Weekday | | | | | |
| Red drum | | | | | |
| 1983-84 | | | | | |
| Weekend | | | | | |
| Weekday | | | | | |
| 1984-85 | | | | | |
| Weekend | | | | | |
| Weekday | | | | | |
| Red snapper | | | | | |
| 1983-84 | | | | | |
| Weekend | | | | | |
| Weekday | | | | | |

Table I.15. (Cont'd.)

| Species | Area | | | | | |
|-----------------------------------|------|-----------|-----------|----------------|--------------------|-----------|
| | Year | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide |
| Red snapper (Cont.) | | | | | | |
| 1984-85 | | | | | | |
| Weekend | | | | | | |
| Weekday | | | | | | |
| Sand seatrout | | | | | | |
| 1983-84 | | | | | | |
| Weekend | | | | | | |
| Weekday | | | | | | |
| 1984-85 | | | | | | |
| Weekend | | | | | | |
| Weekday | | | | | | |
| Spanish mackerel | | | | | | |
| 1983-84 | | | | | | |
| Weekend | | | | | | |
| Weekday | | | | | | |
| 1984-85 | | | | | | |
| Weekend | | | | | | |
| Weekday | | | | | | |
| Spotted seatrout | | | | | | |
| 1983-84 | | | | | | |
| Weekend | | | | | | |
| Weekday | | | | | | |
| 1984-85 | | | | | | |
| Weekend | | | | | | |
| Weekday | | | | | | |
| Vermilion snapper | | | | | | |
| 1983-84 | | | | | | |
| Weekend | | | | | | |
| Weekday | | | | | | |
| 1984-85 | | | | | | |
| Weekend | | | | | | |
| Weekday | | | | | | |
| All species combined ^a | | | | | | |
| 1983-84 | | | | | | |
| Weekend | | | | | | |
| Weekday | | | | | | |
| 1984-85 | | | | | | |
| Weekend | | | | | 782 ± 782 | 782 ± 782 |
| Weekday | | | | | | |

^aIncludes "other" species.

Table I.16. Percent composition of "other" species caught by party-boat fishermen in the TTS by area, season and day type (1983 - 1985).

| Year | Season | Day type | Common name | Scientific name | Area | | | |
|----------|--------|----------|-----------------|-------------------------------|-----------|-----------|----------------|--------------------|
| | | | | | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre |
| 1983-84 | | | | | | | | |
| High use | | | | | | | | |
| Weekend | | | | | | | | |
| | | | Atlantic bonito | <u>Sarda sarda</u> | | | 55.56 | 26.32 |
| | | | Blue runner | <u>Caranx crysos</u> | | | 11.11 | 5.26 |
| | | | Crevalle jack | <u>Caranx hippos</u> | | | 16.67 | 33.33 |
| | | | Little tunny | <u>Euthynnus alletteratus</u> | | | 50.00 | 15.79 |
| | | | Sharks sp. | | | | | |
| | | | Blacktip shark | <u>Carcharhinus limbatus</u> | | 100.00 | | 21.05 |
| | | | Requiem sharks | Family <u>Carcharhinidae</u> | | | 33.33 | 10.53 |
| Weekday | | | | | | | | |
| | | | Atlantic bonito | <u>Sarda sarda</u> | | | 75.00 | 21.43 |
| | | | Black drum | <u>Pogonias cromis</u> | | 20.00 | | 14.29 |
| | | | Crevalle jack | <u>Caranx hippos</u> | | | 25.00 | 7.14 |
| | | | Gulf kingfish | <u>Menticirrhus littorlis</u> | | 80.00 | | 57.14 |
| 1984-85 | | | | | | | | |
| High use | | | | | | | | |
| Weekend | | | | | | | | |
| | | | Crevalle jack | <u>Caranx hippos</u> | | | 42.86 | 42.86 |
| | | | Little tunny | <u>Euthynnus alletteratus</u> | | | 42.86 | 42.86 |
| | | | Shark sp. | | | | | |
| | | | Blacktip shark | <u>Carcharhinus limbatus</u> | | | 14.29 | 14.29 |
| Weekday | | | | | | | | |
| | | | Crevalle jack | <u>Caranx hippos</u> | | | 28.57 | 22.22 |
| | | | Little tunny | <u>Euthynnus alletteratus</u> | | | 100.00 | 22.22 |
| | | | Shark sp. | | | | | |
| | | | Blacktip shark | <u>Carcharhinus limbatus</u> | | | 71.43 | 55.56 |
| Low use | | | | | | | | |
| Weekend | | | | | | | | |
| | | | Crevalle jack | <u>Caranx hippos</u> | | | 20.00 | 20.00 |
| | | | Little tunny | <u>Euthynnus alletteratus</u> | | | 80.00 | 80.00 |

Table I.17. Percent composition of the annual residential origin of party-boat fishermen in the TTS by area (1983-85). Blank = no fishermen interviewed.

| Area Year | Adjacent coastal counties | Non-adjacent coastal counties | Non-coastal counties | Other states and countries |
|--------------------|------------------------------|----------------------------------|-------------------------|-------------------------------|
| Galveston | | | | |
| 1983-84 | 100 | 0 | 0 | 0 |
| 1984-85 | | | | |
| Matagorda | | | | |
| 1983-84 | 31 | 0 | 69 | 0 |
| 1984-85 | 100 | 0 | 0 | 0 |
| Corpus Christi | | | | |
| 1983-84 | 0 | 6 | 84 | 10 |
| 1984-85 | 8 | 8 | 56 | 28 |
| Lower Laguna Madre | | | | |
| 1983-84 | 15 | 15 | 42 | 27 |
| 1984-85 | 19 | 0 | 31 | 50 |
| Coastwide | | | | |
| 1983-84 | 14 | 8 | 64 | 14 |
| 1984-85 | 22 | 5 | 43 | 30 |

Table I.18. Percent composition of the residential origin of party-boat fishermen in the TTS during the high-use season by area and day type (1983-1985). Blank = no fishermen interviewed.

| Area Year | Weekend | | | | Weekday | | | |
|--------------------|---------------------------|-------------------------------|----------------------|------------------------|---------------------------|-------------------------------|----------------------|------------------------|
| | Adjacent coastal counties | Non-adjacent coastal counties | Non-coastal counties | Other states/countries | Adjacent coastal counties | Non-adjacent coastal counties | Non-coastal counties | Other states/countries |
| Galveston | | | | | | | | |
| 1983 | 100 | 0 | 0 | 0 | | | | |
| 1984 | | | | | | | | |
| Matagorda | | | | | | | | |
| 1983 | 0 | 0 | 100 | 0 | 40 | 0 | 60 | 0 |
| 1984 | | | | | 100 | 0 | 0 | 0 |
| Corpus Christi | | | | | | | | |
| 1983 | 0 | 11 | 89 | 0 | 0 | 0 | 75 | 25 |
| 1984 | 5 | 16 | 79 | 0 | 10 | 0 | 35 | 55 |
| Lower Laguna Madre | | | | | | | | |
| 1983 | 9 | 36 | 55 | 0 | 20 | 0 | 33 | 47 |
| 1984 | | | | | 20 | 0 | 0 | 80 |
| Coastwide | | | | | | | | |
| 1983 | 9 | 17 | 74 | 0 | 19 | 0 | 54 | 27 |
| 1984 | 5 | 16 | 79 | 0 | 32 | 0 | 18 | 50 |

Table I.19. Percent composition of the residential origin of party-boat fishermen in the TTS during the low-use season by area and day type (1983-1985). Blank = no fishermen interviewed.

| Area Year | Weekend | | | | Weekday | | | |
|--------------------|---------------------------|-------------------------------|----------------------|------------------------|---------------------------|-------------------------------|----------------------|------------------------|
| | Adjacent coastal counties | Non-adjacent coastal counties | Non-coastal counties | Other states/countries | Adjacent coastal counties | Non-adjacent coastal counties | Non-coastal counties | Other states/countries |
| Galveston | | | | | | | | |
| 1983-84 | | | | | | | | |
| 1984-85 | | | | | | | | |
| Matagorda | | | | | | | | |
| 1983-84 | | | | | | | | |
| 1984-85 | | | | | | | | |
| Corpus Christi | | | | | | | | |
| 1983-84 | | | | | | | | |
| 1984-85 | | | | | | | | |
| Lower Laguna Madre | | | | | | | | |
| 1983-84 | | | | | | | | |
| 1984-85 | 17 | 0 | 83 | 0 | | | | |
| Coastwide | | | | | | | | |
| 1983-84 | | | | | | | | |
| 1984-85 | 17 | 0 | 83 | 0 | | | | |

Table I.20. Mean fishing-party size (No. of fishermen) and mean trip length (h) for party-boat fishermen in the TTS by area, season and day type (1983-1985). Blank = no fishermen interviewed.

| Area Year | Mean fishing-party size | | | | | Mean trip length | | | | |
|--------------------|-------------------------|---------|----------------|---------|--------|------------------|---------|----------------|---------|--------|
| | High-use season | | Low-use season | | Annual | High-use season | | Low-use season | | Annual |
| | Weekend | Weekday | Weekend | Weekday | | Weekend | Weekday | Weekend | Weekday | |
| Galveston | | | | | | | | | | |
| 1983-84 | 2.0 | | | | 2.0 | 7.0 | | | | 7.0 |
| 1984-85 | | | | | | | | | | |
| Matagorda | | | | | | | | | | |
| 1983-84 | 3.0 | 3.3 | | | 3.2 | 5.0 | 4.5 | | | 4.6 |
| 1984-85 | | 4.0 | | | 4.0 | | 3.0 | | | 3.0 |
| Corpus Christi | | | | | | | | | | |
| 1983-84 | 3.8 | 3.0 | | | 3.4 | 8.0 | 7.5 | | | 7.8 |
| 1984-85 | 4.8 | 4.0 | | | 4.3 | 5.8 | 7.5 | | | 6.7 |
| Lower Laguna Madre | | | | | | | | | | |
| 1983-84 | 3.7 | 3.8 | | | 3.7 | 7.3 | 6.2 | | | 6.7 |
| 1984-85 | | 5.0 | 6.0 | | 5.3 | | 2.8 | 4.5 | | 3.3 |
| Coastwide | | | | | | | | | | |
| 1983-84 | 3.5 | 3.4 | | | 3.4 | 7.4 | 6.2 | | | 6.8 |
| 1984-85 | 4.5 | 4.2 | 6.0 | | 4.5 | 5.8 | 5.4 | 4.5 | | 5.5 |

Appendix J: Estimates for headboat fishing in the Texas Territorial Sea (TTS).

Table J.1. Number of days surveyed and number of headboat fishermen interviewed () in the TTS by season, day type and area (1983-1984). WE = weekend days. WD = weekdays.

| Year Season Day type | Area | | | | |
|----------------------------|-----------|-----------|----------------|--------------------|-----------|
| | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide |
| 1983-84 | | | | | |
| High use | | | | | |
| WE | 7 (0) | 7 (0) | 7 (0) | 21 (0) | |
| WD | 13 (0) | 14 (44) | 14 (0) | 41 (44) | |
| Low use | | | | | |
| WE | 7 (0) | 7 (0) | 7 (0) | 21 (0) | |
| WD | 13 (0) | 14 (0) | 14 (0) | 41 (0) | |
| Annual | 40 (0) | 42 (44) | 42 (0) | 124 (44) | |
| 1984 ^a | | | | | |
| High use | | | | | |
| WE | 5 (0) | 4 (176) | 4 (0) | 13 (176) | |
| WD | 9 (0) | 8 (180) | 9 (15) | 26 (195) | |

^aSurveys of headboat fishermen in the Gulf of Mexico were discontinued on 10 September 1984.

Table J.2. Pressure estimates (man-h x 1000) \pm 1 SE for headboat fishermen in the TTS by season, day type and area (1983-1984). ND = no data.

| Area Year | High-use season | | Low-use season | | Annual ^a |
|------------------------|-----------------|-----------------|----------------|---------|---------------------|
| | Weekend | Weekday | Weekend | Weekday | |
| Galveston | | | | | |
| 1983-84 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 ^b | 0.0 | 0.0 | ND | ND | 0.0 |
| Corpus Christi | | | | | |
| 1983-84 | 0.0 | 2.7 \pm 1.8 | 0.0 | 0.0 | 2.7 \pm 1.8 |
| 1984 ^b | 11.8 \pm 6.9 | 50.5 \pm 24.1 | ND | ND | 62.4 \pm 25.0 |
| Lower Laguna Madre | | | | | |
| 1983-84 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 ^b | 0.0 | 4.5 \pm 3.5 | ND | ND | 4.5 \pm 3.5 |
| Coastwide ^a | | | | | |
| 1983-84 | 0.0 | 2.7 \pm 1.8 | 0.0 | 0.0 | 2.7 \pm 1.8 |
| 1984 ^b | 11.8 \pm 6.9 | 55.0 \pm 24.3 | ND | ND | 66.9 \pm 25.3 |

^aDue to rounding of numbers, these totals may not exactly equal individual totals.

^bSurveys of headboats fishing in the Gulf of Mexico were discontinued on 10 September 1984.

Table J.3. Estimated landings of fishes (No. x 1000) \pm 1 SE caught by headboat fishermen in the TTS during the high-use season by species, day type and area (1983-1984).

| Species | Year | Area | | | Coastwide ^a |
|--------------------------|-------------------|-----------|----------------|--------------------|------------------------|
| | | Galveston | Corpus Christi | Lower Laguna Madre | |
| Day type | | | | | |
| Atlantic croaker | | | | | |
| | 1983 | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 |
| | 1984 ^b | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 |
| Atlantic sharpnose shark | | | | | |
| | 1983 | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.1 \pm <.1 | 0.0 | 0.1 \pm <.1 |
| | 1984 ^b | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 |
| Cobia | | | | | |
| | 1983 | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 |
| | 1984 ^b | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 |
| King mackerel | | | | | |
| | 1983 | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.1 \pm 0.1 | 0.0 | 0.1 \pm 0.1 |
| | 1984 ^b | | | | |
| | Weekend | 0.0 | 0.2 \pm 0.2 | 0.0 | 0.2 \pm .02 |
| | Weekday | 0.0 | 3.2 \pm 3.1 | 0.1 \pm 0.1 | 3.3 \pm 3.1 |
| Red drum | | | | | |
| | 1983 | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 |
| | 1984 ^b | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 |

Table J.3. (Cont'd.)

| Species | Year | Area | | | Coastwide ^a |
|-------------------|----------|-----------|----------------|--------------------|------------------------|
| | | Galveston | Corpus Christi | Lower Laguna Madre | |
| | Day type | | | | |
| Red snapper | | | | | |
| 1983 | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 ^b | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 |
| Sand seatrout | | | | | |
| 1983 | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 ^b | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 |
| Spanish mackerel | | | | | |
| 1983 | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 ^b | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 |
| Spotted seatrout | | | | | |
| 1983 | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 ^b | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 |
| Vermilion snapper | | | | | |
| 1983 | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 ^b | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 |
| Other species | | | | | |
| 1983 | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.7 | 0.0 | 0.6 |
| 1984 ^b | | | | | |
| | Weekend | 0.0 | 0.1 | 0.0 | 0.1 |
| | Weekday | 0.0 | 1.5 | 0.6 | 2.0 |

Table J.3. (Cont'd.)

| Species Year Day type | Area | | | Coastwide ^a |
|-----------------------------------|-----------|----------------|--------------------|------------------------|
| | Galveston | Corpus Christi | Lower Laguna Madre | |
| All species combined ^a | | | | |
| 1983 | | | | |
| Weekend | 0.0 | 0.0 | 0.0 | 0.0 |
| Weekday | 0.0 | 0.8 ± 0.7 | 0.0 | 0.8 ± 0.7 |
| 1984 ^b | | | | |
| Weekend | 0.0 | 0.3 ± 0.3 | 0.0 | 0.3 ± 0.3 |
| Weekday | 0.0 | 4.7 ± 4.1 | 0.6 ± 0.5 | 5.3 ± 4.1 |

^aDue to rounding of numbers, these tables may not exactly equal individual totals.

^bSurveys of headboats fishing in the Gulf of Mexico were discontinued on 10 September 1984.

Table J.4. Mean catch rates of fishes (No./man-h) \pm 1 SE caught by headboat fishermen in the TTS during the high-use season by species, day type and area (1983-1984). Blank = no fishermen interviewed.

| Species | Year | Area | | | |
|--------------------------|-------------------|-----------|-----------------|--------------------|------------------------|
| | | Galveston | Corpus Christi | Lower Laguna Madre | Coastwide ^a |
| Atlantic croaker | | | | | |
| | 1983 | | | | |
| | Weekend | | | | |
| | Weekday | | 0.0 | | 0.0 |
| | 1984 ^a | | | | |
| | Weekend | | 0.0 | | 0.0 |
| | Weekday | | 0.0 | 0.0 | 0.0 |
| Atlantic sharpnose shark | | | | | |
| | 1983 | | | | |
| | Weekend | | | | |
| | Weekday | | 0.02 \pm 0.02 | | 0.02 \pm 0.02 |
| | 1984 ^a | | | | |
| | Weekend | | 0.0 | | |
| | Weekday | | 0.0 | 0.0 | 0.0 |
| Cobia | | | | | |
| | 1983 | | | | |
| | Weekend | | | | |
| | Weekday | | 0.0 | | 0.0 |
| | 1984 ^a | | | | |
| | Weekend | | 0.0 | | 0.0 |
| | Weekday | | 0.0 | 0.0 | 0.0 |
| King mackerel | | | | | |
| | 1983 | | | | |
| | Weekend | | | | |
| | Weekday | | 0.02 \pm 0.02 | | 0.02 \pm 0.02 |
| | 1984 ^a | | | | |
| | Weekend | | 0.02 \pm 0.02 | | 0.02 \pm 0.02 |
| | Weekday | | 0.06 \pm 0.06 | 0.01 \pm 0.01 | 0.06 \pm 0.06 |
| Red drum | | | | | |
| | 1983 | | | | |
| | Weekend | | | | |
| | Weekday | | 0.0 | | 0.0 |
| | 1984 ^a | | | | |
| | Weekend | | 0.0 | | 0.0 |
| | Weekday | | 0.0 | 0.0 | 0.0 |

Table J.4. (Cont'd.)

| Species | Year | Area | | | Coastwide ^a |
|-------------------|-------------------|-----------|----------------|--------------------|------------------------|
| | | Galveston | Corpus Christi | Lower Laguna Madre | |
| | Day type | | | | |
| Red snapper | | | | | |
| | 1983 | | | | |
| | Weekend | | | | |
| | Weekday | | 0.0 | | 0.0 |
| | 1984 ^a | | | | |
| | Weekend | | 0.0 | | 0.0 |
| | Weekday | | 0.0 | 0.0 | 0.0 |
| Sand seatrout | | | | | |
| | 1983 | | | | |
| | Weekend | | | | |
| | Weekday | | 0.0 | | 0.0 |
| | 1984 ^a | | | | |
| | Weekend | | 0.0 | | 0.0 |
| | Weekday | | 0.0 | 0.0 | 0.0 |
| Spanish mackerel | | | | | |
| | 1983 | | | | |
| | Weekend | | | | |
| | Weekday | | 0.0 | | 0.0 |
| | 1984 ^a | | | | |
| | Weekend | | 0.0 | | 0.0 |
| | Weekday | | 0.0 | 0.0 | 0.0 |
| Spotted seatrout | | | | | |
| | 1983 | | | | |
| | Weekend | | | | |
| | Weekday | | 0.0 | | 0.0 |
| | 1984 ^a | | | | |
| | Weekend | | 0.0 | | 0.0 |
| | Weekday | | 0.0 | 0.0 | 0.0 |
| Vermilion snapper | | | | | |
| | 1983 | | | | |
| | Weekend | | | | |
| | Weekday | | 0.0 | | 0.0 |
| | 1984 ^a | | | | |
| | Weekend | | 0.0 | | 0.0 |
| | Weekday | | 0.0 | 0.0 | 0.0 |
| Other species | | | | | |
| | 1983 | | | | |
| | Weekend | | | | |
| | Weekday | | 0.24 | | 0.24 |
| | 1984 ^a | | | | |
| | Weekend | | <.01 | | <.01 |
| | Weekday | | 0.03 | 0.13 | 0.04 |

Table J.4. (Cont'd.)

| Species Year | Area | | | |
|-----------------------------------|-----------|-------------------|-----------------------|------------------------|
| | Galveston | Corpus Christi | Lower Laguna Madre | Coastwide ^a |
| All species combined ^b | | | | |
| 1983 | | | | |
| Weekend | | | | |
| Weekday | | 0.28 ± 0.27 | | 0.28 ± 0.26 |
| 1984 ^a | | | | |
| Weekend | | 0.02 ± 0.02 | | 0.02 ± 0.02 |
| Weekday | | 0.09 ± 0.08 | 0.14 ± 0.13 | 0.10 ± 0.08 |

^aSurveys of headboats fishing in the Gulf of Mexico were discontinued on 10 September 1984.

^bDue to rounding of numbers, these totals may not exactly equal individual totals.

Table J.5. Mean weights of fishes (kg/fish) \pm 1 SE caught by headboat fishermen in the TTS during the high-use season by species, day type and area (1983-1984). Blank = no fish weighed.

| Species | Year | Day type | Area | | | |
|--------------------------|-------------------|----------|------------------|----------------|--------------------|------------------------|
| | | | Galveston | Corpus Christi | Lower Laguna Madre | Coastwide ^a |
| Atlantic croaker | | | | | | |
| | 1983 | | | | | |
| | | Weekend | | | | |
| | | Weekday | | | | |
| | 1984 ^a | | | | | |
| | | Weekend | | | | |
| | | Weekday | | | | |
| Atlantic sharpnose shark | | | | | | |
| | 1983 | | | | | |
| | | Weekend | | | | |
| | | Weekday | 5.53 \pm 1.22 | | | 5.53 \pm 1.22 |
| | 1984 ^a | | | | | |
| | | Weekend | | | | |
| | | Weekday | | | | |
| Cobia | | | | | | |
| | 1983 | | | | | |
| | | Weekend | | | | |
| | | Weekday | | | | |
| | 1984 ^a | | | | | |
| | | Weekend | | | | |
| | | Weekday | | | | |
| King mackerel | | | | | | |
| | 1983 | | | | | |
| | | Weekend | | | | |
| | | Weekday | 11.63 | | | 11.63 |
| | 1984 ^a | | | | | |
| | | Weekend | 5.90 \pm 0.83 | | | 5.90 \pm 0.83 |
| | | Weekday | 12.56 \pm 0.25 | 6.84 | | 12.45 \pm 0.38 |
| Red drum | | | | | | |
| | 1983 | | | | | |
| | | Weekend | | | | |
| | | Weekday | | | | |
| | 1984 ^a | | | | | |
| | | Weekend | | | | |
| | | Weekday | | | | |

Table J.5. (Cont'd.)

| Species | Area | | | |
|-------------------|-----------|----------------|--------------------|------------------------|
| | Galveston | Corpus Christi | Lower Laguna Madre | Coastwide ^a |
| Red snapper | | | | |
| 1983 | | | | |
| Weekend | | | | |
| Weekday | | | | |
| 1984 ^a | | | | |
| Weekend | | | | |
| Weekday | | | | |
| Sand seatrout | | | | |
| 1983 | | | | |
| Weekend | | | | |
| Weekday | | | | |
| 1984 ^a | | | | |
| Weekend | | | | |
| Weekday | | | | |
| Spanish mackerel | | | | |
| 1983 | | | | |
| Weekend | | | | |
| Weekday | | | | |
| 1984 ^a | | | | |
| Weekend | | | | |
| Weekday | | | | |
| Spotted seatrout | | | | |
| 1983 | | | | |
| Weekend | | | | |
| Weekday | | | | |
| 1984 ^a | | | | |
| Weekend | | | | |
| Weekday | | | | |
| Vermilion snapper | | | | |
| 1983 | | | | |
| Weekend | | | | |
| Weekday | | | | |
| 1984 ^a | | | | |
| Weekend | | | | |
| Weekday | | | | |

Table J.5. (Cont'd.)

| Species | Area | | | |
|-----------------------------------|-----------|----------------|--------------------|------------------------|
| | Galveston | Corpus Christi | Lower Laguna Madre | Coastwide ^a |
| Year | | | | |
| Day type | | | | |
| All species combined ^b | | | | |
| 1983 | | | | |
| Weekend | | | | |
| Weekday | | 9.41 ± 0.40 | | 9.41 ± 0.40 |
| 1984 ^a | | | | |
| Weekend | | 5.87 ± 0.68 | | 5.87 ± 0.68 |
| Weekday | | 11.42 ± 1.47 | 2.13 ± 2.86 | 10.31 ± 1.64 |

^aSurveys of headboats fishing in the Gulf of Mexico were discontinued on 10 September 1984.

^bIncludes "other" species.

Table J.6. Mean total lengths of fishes (mm/fish) \pm 1 SE caught by headboat fishermen in the TTS during the high-use season by species, day type and area (1983-1984). Blank = no fish measured.

| Species | Area | | | |
|--------------------------|-----------|----------------|--------------------|------------------------|
| | Galveston | Corpus Christi | Lower Laguna Madre | Coastwide ^a |
| Year | | | | |
| Day type | | | | |
| Atlantic croaker | | | | |
| 1983 | | | | |
| Weekend | | | | |
| Weekday | | | | |
| 1984 ^a | | | | |
| Weekend | | | | |
| Weekday | | | | |
| Atlantic sharpnose shark | | | | |
| 1983 | | | | |
| Weekend | | | | |
| Weekday | | 972 \pm 10 | | 972 \pm 10 |
| 1984 ^a | | | | |
| Weekend | | | | |
| Weekday | | | | |
| Cobia | | | | |
| 1983 | | | | |
| Weekend | | | | |
| Weekday | | | | |
| 1984 ^a | | | | |
| Weekend | | | | |
| Weekday | | | | |
| King mackerel | | | | |
| 1983 | | | | |
| Weekend | | | | |
| Weekday | | 1070 | | 1070 |
| 1984 ^a | | | | |
| Weekend | | 856 \pm 37 | | 856 \pm 37 |
| Weekday | | 1092 \pm 6 | 910 | 1018 \pm 23 |
| Red drum | | | | |
| 1983 | | | | |
| Weekend | | | | |
| Weekday | | | | |
| 1984 ^a | | | | |
| Weekend | | | | |
| Weekday | | | | |

Table J.6. (Cont'd.)

| Species | Area | | | |
|-------------------|-----------|----------------|--------------------|------------------------|
| | Galveston | Corpus Christi | Lower Laguna Madre | Coastwide ^a |
| Red snapper | | | | |
| 1983 | | | | |
| Weekend | | | | |
| Weekday | | | | |
| 1984 ^a | | | | |
| Weekend | | | | |
| Weekday | | | | |
| Sand seatrout | | | | |
| 1983 | | | | |
| Weekend | | | | |
| Weekday | | | | |
| 1984 ^a | | | | |
| Weekend | | | | |
| Weekday | | | | |
| Spanish mackerel | | | | |
| 1983 | | | | |
| Weekend | | | | |
| Weekday | | | | |
| 1984 ^a | | | | |
| Weekend | | | | |
| Weekday | | | | |
| Spotted seatrout | | | | |
| 1983 | | | | |
| Weekend | | | | |
| Weekday | | | | |
| 1984 ^a | | | | |
| Weekend | | | | |
| Weekday | | | | |
| Vermilion snapper | | | | |
| 1983 | | | | |
| Weekend | | | | |
| Weekday | | | | |
| 1984 ^a | | | | |
| Weekend | | | | |
| Weekday | | | | |

Table J.6. (Cont'd.)

| Species | Area | | | |
|-----------------------------------|-----------|----------------|--------------------|------------------------|
| | Galveston | Corpus Christi | Lower Laguna Madre | Coastwide ^a |
| Year | | | | |
| Day type | | | | |
| All species combined ^b | | | | |
| 1983 | | | | |
| Weekend | | | | |
| Weekday | | 981 ± 1 | | 981 ± 1 |
| 1984 ^a | | | | |
| Weekend | | 806 ± 39 | | 806 ± 39 |
| Weekday | | 1011 ± 15 | 691 ± 42 | 975 ± 16 |

^aSurveys of headboats fishing in the Gulf of Mexico were discontinued on 10 September 1984.

^bIncludes "other" species.

Table J.7. Percent composition of "other" species caught by headboat fishermen in the TTS by area, season and day type (1983-1984).

| Year | Season | Day type | Common name | Scientific name | Area | | | |
|---------|----------|----------|---------------|--------------------------------|-----------|----------------|--------------------|-----------|
| | | | | | Galveston | Corpus Christi | Lower Laguna Madre | Coastwide |
| 1983-84 | | | | | | | | |
| | High use | Weekday | Crevalle jack | <u>Caranx hippos</u> | | 90.48 | | 90.48 |
| | | | Little tunny | <u>Euthynnus alletteratus</u> | | 4.76 | | 4.76 |
| | | | Shark sp. | | | | | |
| | | | Spinner shark | <u>Carcharhinus brevipinna</u> | | 4.76 | | 4.76 |
| 1984 | | | | | | | | |
| | High use | Weekend | Little tunny | <u>Euthynnus alletteratus</u> | | 100.00 | | 100.00 |
| | | Weekday | Crevalle jack | <u>Caranx hippos</u> | | 13.33 | 11.11 | 16.00 |
| | | | Little tunny | <u>Euthynnus alletteratus</u> | | 46.67 | 88.89 | 60.00 |
| | | | Shark sp. | | | | | |
| | | | Dusky shark | <u>Carcharhinus obscurus</u> | | 13.33 | | 8.00 |
| | | | Sandbar shark | <u>Carcharhinus plumbeus</u> | | 13.33 | | 8.00 |
| | | | Tarpon | <u>Magalops atlanticus</u> | | 13.33 | | 8.00 |

Table J.8. Percent composition of the annual residential origin of headboat fishermen in the TTS by area (1983-84). Blank = no fishermen interviewed.

| Area Year | Adjacent coastal counties | Non-adjacent coastal counties | Non-coastal counties | Other states and countries |
|--------------------|------------------------------|----------------------------------|-------------------------|-------------------------------|
| Galveston | | | | |
| 1983-84 | | | | |
| 1984 ^a | | | | |
| Corpus Christi | | | | |
| 1983-84 | 2 | 2 | 84 | 11 |
| 1984 ^a | 11 | 2 | 72 | 15 |
| Lower Laguna Madre | | | | |
| 1983-84 | | | | |
| 1984 ^a | 73 | 0 | 13 | 13 |
| Coastwide | | | | |
| 1983-84 | 2 | 2 | 84 | 11 |
| 1984 ^a | 14 | 2 | 69 | 15 |

^aSurveys of headboats fishing in the Gulf of Mexico were discontinued on 10 September 1984.

Table J.9. Percent composition of the residential origin of headboat fishermen in the TTS during the high-use season by area and day type (1983-1984). Blank = no fishermen interviewed.

| Area Year | Weekend | | | | Weekday | | | |
|--------------------|---------------------------|-------------------------------|----------------------|------------------------|---------------------------|-------------------------------|----------------------|------------------------|
| | Adjacent coastal counties | Non-adjacent coastal counties | Non-coastal counties | Other states/countries | Adjacent coastal counties | Non-adjacent coastal counties | Non-coastal counties | Other states/countries |
| Galveston | | | | | | | | |
| 1983 | | | | | | | | |
| 1984 | | | | | | | | |
| Corpus Christi | | | | | | | | |
| 1983 | | | | | 2 | 2 | 84 | 11 |
| 1984 | 18 | 0 | 79 | 3 | 5 | 3 | 65 | 27 |
| Lower Laguna Madre | | | | | | | | |
| 1983 | | | | | | | | |
| 1984 | | | | | 73 | 0 | 13 | 13 |
| Coastwide | | | | | | | | |
| 1983 | | | | | 2 | 2 | 84 | 11 |
| 1984 | 18 | 0 | 79 | 3 | 10 | 3 | 61 | 26 |

^aSurveys of headboats fishing in the Gulf of Mexico were discontinued on 10 September 1984.

Table J.10. Mean fishing-party size (No. of fishermen) and mean fishing time (h) for headboat fishermen in the TTS by area, season and day type (1983-1984). Blank = no fishermen interviewed.

| Area Year ^a | Mean fishing-party size | | | | | Mean fishing time | | | | |
|---------------------------------------|-------------------------|---------|----------------|---------|--------|-------------------|---------|----------------|---------|--------|
| | High-use season | | Low-use season | | Annual | High-use season | | Low-use season | | Annual |
| | Weekend | Weekday | Weekend | Weekday | | Weekend | Weekday | Weekend | Weekday | |
| Galveston 1983-84 1984 | | | | | | | | | | |
| Corpus Christi 1983-84 1984 | | 22.0 | | | 22.0 | | 3.5 | | | 3.5 |
| | 88.0 | 45.0 | | | 59.3 | 2.2 | 3.9 | | | 3.3 |
| Lower Laguna Madre 1983-84 1984 | | | | | | | | | | |
| | | 7.5 | | | 7.5 | | 4.5 | | | 4.5 |
| Coastwide 1983-84 1984 | | 22.0 | | | 22.0 | | 3.5 | | | 3.5 |
| | 88.0 | 32.5 | | | 46.4 | 2.2 | 4.1 | | | 3.6 |

^aSurveys of headboat fishermen in the Gulf of Mexico were discontinued on 10 September 1984.

Appendix K: Estimates for private-boat fishing in the Fishery Conservation Zone (FCZ) off Texas.

Table K.1. Number of days surveyed and number of private-boat fishermen interviewed () in the FCZ by season, day type and area (1982-1985). WE = weekend days. WD = weekdays.

| Year Season Day type | Area | | | | |
|----------------------------|-----------|-----------|----------------|--------------------|------------|
| | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide |
| 1982-83 | | | | | |
| High use | | | | | |
| WE | 31 (136) | 54 (351) | 54 (376) | 23 (66) | 162 (929) |
| WD | 66 (27) | 116 (152) | 122 (236) | 55 (39) | 359 (454) |
| Low use | | | | | |
| WE | 12 (0) | 24 (17) | 24 (3) | 12 (0) | 72 (20) |
| WD | 24 (6) | 48 (17) | 48 (5) | 24 (0) | 144 (28) |
| Annual | 133 (169) | 242 (537) | 248 (620) | 114 (105) | 737 (1431) |
| 1983-84 | | | | | |
| High use | | | | | |
| WE | 32 (101) | 45 (198) | 45 (233) | 31 (58) | 153 (590) |
| WD | 63 (21) | 83 (96) | 96 (88) | 66 (17) | 308 (222) |
| Low use | | | | | |
| WE | 12 (0) | 24 (62) | 20 (0) | 12 (3) | 68 (65) |
| WD | 24 (0) | 40 (10) | 41 (0) | 24 (0) | 129 (10) |
| Annual | 131 (122) | 192 (366) | 202 (321) | 133 (78) | 658 (887) |
| 1984-85 | | | | | |
| High use | | | | | |
| WE | 31 (10) | 39 (322) | 41 (467) | 31 (124) | 142 (923) |
| WD | 65 (24) | 87 (100) | 95 (289) | 66 (44) | 313 (457) |
| Low use | | | | | |
| WE | 12 (0) | 19 (22) | 21 (0) | 12 (8) | 64 (30) |
| WD | 24 (0) | 41 (1) | 42 (6) | 24 (0) | 131 (7) |
| Annual | 132 (34) | 186 (445) | 199 (762) | 133 (176) | 650 (1417) |

Table K.2. Pressure estimates (man-h x 1000) \pm 1 SE for private-boat fishermen in the FCZ by season, day type and area (1982-1985).

| Area Year | High-use season | | Low-use season | | Annual ^a |
|------------------------------|------------------|------------------|-----------------|---------------|---------------------|
| | Weekend | Weekday | Weekend | Weekday | |
| Galveston | | | | | |
| 1982-83 | 44.9 \pm 29.7 | 41.6 \pm 22.8 | 0.0 | 5.4 \pm 5.4 | 91.9 \pm 37.8 |
| 1983-84 | 31.6 \pm 13.2 | 10.0 \pm 5.3 | 0.0 | 0.0 | 41.6 \pm 14.3 |
| 1984-85 | 24.2 \pm 10.0 | 6.2 \pm 4.8 | 0.0 | 0.0 | 30.5 \pm 11.1 |
| Matagorda | | | | | |
| 1982-83 | 42.2 \pm 5.6 | 23.0 \pm 4.1 | 2.9 \pm 1.0 | 1.6 \pm 0.4 | 69.7 \pm 6.9 |
| 1983-84 | 17.5 \pm 7.7 | 4.7 \pm 1.5 | 3.8 \pm 1.9 | 1.0 \pm 0.9 | 27.1 \pm 8.3 |
| 1984-85 | 12.3 \pm 3.1 | 11.5 \pm 3.5 | 6.2 \pm 4.0 | 0.1 \pm 0.1 | 30.0 \pm 6.2 |
| Corpus Christi | | | | | |
| 1982-83 | 50.0 \pm 7.5 | 24.8 \pm 3.0 | 1.9 \pm 1.0 | 2.7 \pm 1.0 | 79.4 \pm 8.2 |
| 1983-84 | 81.8 \pm 39.3 | 12.0 \pm 8.0 | 0.0 | 0.0 | 93.8 \pm 40.2 |
| 1984-85 | 49.5 \pm 18.4 | 35.1 \pm 11.5 | 0.0 | 0.0 | 84.6 \pm 21.7 |
| Lower Laguna Madre | | | | | |
| 1982-83 | 8.3 \pm 2.8 | 9.5 \pm 4.2 | 0.0 | 0.0 | 17.9 \pm 5.1 |
| 1983-84 | 11.3 \pm 6.2 | 5.5 \pm 4.6 | 18.6 \pm 18.6 | 0.0 | 35.4 \pm 20.1 |
| 1984-85 | 7.6 \pm 3.2 | 13.3 \pm 8.0 | 3.6 \pm 2.8 | 0.0 | 24.5 \pm 9.0 |
| Coastwide^a | | | | | |
| 1982-83 | 145.8 \pm 35.0 | 100.0 \pm 25.2 | 4.7 \pm 2.8 | 9.7 \pm 5.8 | 260.3 \pm 43.6 |
| 1983-84 | 142.3 \pm 42.7 | 32.2 \pm 10.8 | 22.4 \pm 18.7 | 1.0 \pm 0.9 | 197.9 \pm 47.8 |
| 1984-85 | 93.7 \pm 21.4 | 66.2 \pm 15.2 | 9.8 \pm 4.9 | 0.1 \pm 0.1 | 169.7 \pm 26.7 |

^aDue to rounding of numbers, these totals may not exactly equal individual totals.

Table K.3. Annual estimated landings of fishes (No. x 1000) \pm 1 SE caught by private-boat fishermen in the FCZ by species and area (1982-1985).

| Species Year | Area | | | | |
|--------------------------|-----------------|----------------|----------------|--------------------|------------------------|
| | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide ^a |
| Atlantic croaker | | | | | |
| 1983-83 | 0.1 \pm 0.1 | 0.1 \pm <.1 | 0.3 \pm 0.1 | 0.3 \pm 0.3 | 0.8 \pm 0.5 |
| 1983-84 | 0.1 \pm 0.1 | <.1 \pm <.1 | 0.0 | 0.0 | 0.1 \pm 0.1 |
| 1984-85 | 0.0 | 0.2 \pm 0.1 | <.1 \pm <.1 | 0.0 | 0.2 \pm 0.1 |
| Atlantic sharpnose shark | | | | | |
| 1982-83 ^b | | | | | |
| 1983-84 | 0.2 \pm 0.1 | <.1 \pm <.1 | 0.1 \pm 0.1 | 0.0 | 0.3 \pm 0.1 |
| 1984-85 | 0.5 \pm 0.3 | <.1 \pm <.1 | <.1 \pm <.1 | 1.6 \pm 1.6 | 2.1 \pm 1.6 |
| Cobia | | | | | |
| 1982-83 | 0.1 \pm 0.1 | 0.8 \pm 0.2 | 0.2 \pm <.1 | <.1 \pm <.1 | 1.1 \pm 0.4 |
| 1983-84 | 0.4 \pm 0.2 | <.1 \pm <.1 | 0.1 \pm 0.1 | 0.1 \pm <.1 | 0.6 \pm 0.3 |
| 1984-85 | <.1 \pm <.1 | 0.1 \pm <.1 | <.1 \pm <.1 | 0.2 \pm 0.2 | 0.3 \pm 0.2 |
| King mackerel | | | | | |
| 1982-83 | 5.2 \pm 3.5 | 5.8 \pm 0.7 | 3.7 \pm 0.5 | 0.8 \pm 0.4 | 15.5 \pm 3.8 |
| 1983-84 | 1.2 \pm 0.8 | 1.1 \pm 0.4 | 7.6 \pm 3.9 | 0.2 \pm 0.1 | 10.1 \pm 4.1 |
| 1984-85 | 0.9 \pm 0.5 | 1.6 \pm 0.5 | 6.3 \pm 1.8 | 0.5 \pm 0.2 | 9.3 \pm 2.0 |
| Red drum | | | | | |
| 1982-83 | 0.0 | <.1 \pm <.1 | 0.0 | 0.0 | <.1 \pm <.1 |
| 1983-84 | 0.0 | 0.1 \pm <.1 | 0.0 | 0.0 | 0.1 \pm <.1 |
| 1984-85 | 0.1 \pm 0.1 | 0.1 \pm 0.1 | 0.0 | 0.0 | 0.2 \pm 0.1 |
| Red snapper | | | | | |
| 1982-83 | 11.4 \pm 4.6 | 15.2 \pm 4.0 | 3.2 \pm 0.6 | 8.9 \pm 3.2 | 38.7 \pm 9.5 |
| 1983-84 | 26.7 \pm 17.1 | 8.8 \pm 3.9 | 2.4 \pm 1.5 | 8.5 \pm 3.9 | 46.4 \pm 18.1 |
| 1984-85 | 0.3 \pm 0.2 | 5.8 \pm 2.8 | 9.9 \pm 5.6 | 4.8 \pm 2.6 | 20.8 \pm 6.7 |
| Sand seatrout | | | | | |
| 1982-83 | 33.8 \pm 33.8 | 18.8 \pm 6.9 | 0.6 \pm 0.2 | 0.3 \pm 0.3 | 53.6 \pm 36.3 |
| 1983-84 | 0.3 \pm 0.2 | 5.6 \pm 2.9 | 0.0 | <.1 \pm <.1 | 5.9 \pm 2.9 |
| 1984-85 | 1.7 \pm 1.3 | 2.6 \pm 1.0 | 0.1 \pm 0.1 | 0.0 | 4.4 \pm 1.7 |
| Spanish mackerel | | | | | |
| 1982-83 | 1.3 \pm 0.8 | 0.2 \pm 0.1 | 0.1 \pm <.1 | <.1 \pm <.1 | 1.7 \pm 0.9 |
| 1983-84 | 0.7 \pm 0.5 | 0.1 \pm 0.1 | 0.4 \pm 0.3 | <.1 \pm <.1 | 1.2 \pm 0.5 |
| 1984-85 | 0.5 \pm 0.5 | 0.1 \pm 0.1 | 0.1 \pm 0.1 | <.1 \pm <.1 | 0.8 \pm 0.5 |
| Spotted seatrout | | | | | |
| 1982-83 | 0.1 \pm 0.1 | 0.1 \pm <.1 | <.1 \pm <.1 | 0.0 | 0.2 \pm 0.2 |
| 1983-84 | 0.0 | <.1 \pm <.1 | 0.0 | 0.0 | <.1 \pm <.1 |
| 1984-85 | 0.0 | <.1 \pm <.1 | 0.0 | 0.0 | <.1 \pm <.1 |

Table K.3. (Cont'd.)

| Species Year | Area | | | | |
|-----------------------------------|-------------|------------|-------------------|-----------------------|------------------------|
| | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide ^a |
| Vermilion snapper | | | | | |
| 1982-83 ^b | | | | | |
| 1983-84 | 0.0 | 0.0 | <.1 ± <.1 | 0.0 | <.1 ± <.1 |
| 1984-85 | 0.0 | 0.0 | <.1 ± <.1 | 0.0 | <.1 ± <.1 |
| Other species | | | | | |
| 1982-83 | 3.7 ± 1.5 | 4.5 ± 0.8 | 4.1 ± 0.7 | 0.8 ± 0.3 | 13.1 ± 2.6 |
| 1983-84 | 8.6 | 1.7 | 3.7 | 2.7 ± 2.6 | 16.6 |
| 1984-85 | 3.4 | 7.0 | 2.9 | 3.0 | 16.2 |
| All species combined ^a | | | | | |
| 1982-83 | 55.7 ± 37.4 | 45.6 ± 8.2 | 12.2 ± 1.5 | 11.2 ± 3.7 | 124.8 ± 40.9 |
| 1983-84 | 38.2 ± 19.2 | 17.4 ± 5.7 | 14.2 ± 7.0 | 11.5 ± 4.8 | 81.3 ± 21.8 |
| 1984-85 | 7.3 ± 3.7 | 17.5 ± 5.8 | 19.5 ± 7.1 | 10.0 ± 3.8 | 54.3 ± 10.6 |

^aDue to rounding of numbers, these totals may not exactly equal individual totals.

^bThis species is included in other species in this year.

Table K.4. Estimated landings of fishes (No. x 1000) \pm 1 SE caught by private-boat fishermen in the FCZ during the high-use season by species, day type and area (1982-1984).

| Species | Year | Day type | Area | | | | |
|--------------------------|------|----------|---------------|---------------|----------------|--------------------|------------------------|
| | | | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide ^a |
| Atlantic croaker | | | | | | | |
| 1982 | | | | | | | |
| | | Weekend | 0.0 | 0.0 | 0.3 \pm 0.1 | 0.0 | 0.3 \pm 0.3 |
| | | Weekday | 0.0 | 0.1 \pm <.1 | 0.0 | 0.3 \pm 0.3 | 0.4 \pm 0.4 |
| 1983 | | | | | | | |
| | | Weekend | 0.1 \pm 0.1 | 0.0 | 0.0 | 0.0 | 0.1 \pm 0.1 |
| | | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | | | | | | | |
| | | Weekend | 0.0 | 0.1 \pm 0.1 | <.1 \pm <.1 | 0.0 | 0.2 \pm 0.1 |
| | | Weekday | 0.0 | <.1 \pm <.1 | 0.0 | 0.0 | <.1 \pm <.1 |
| Atlantic sharpnose shark | | | | | | | |
| 1982 ^b | | | | | | | |
| | | Weekend | | | | | |
| | | Weekday | | | | | |
| 1983 | | | | | | | |
| | | Weekend | 0.1 \pm 0.1 | <.1 \pm <.1 | 0.1 \pm 0.1 | 0.0 | 0.2 \pm 0.1 |
| | | Weekday | 0.1 \pm 0.1 | 0.0 | <.1 \pm <.1 | 0.0 | 0.1 \pm 0.1 |
| 1984 | | | | | | | |
| | | Weekend | 0.2 \pm 0.2 | <.1 \pm <.1 | <.1 \pm <.1 | 0.0 | 0.2 \pm 0.2 |
| | | Weekday | 0.3 \pm 0.3 | <.1 \pm <.1 | <.1 \pm <.1 | 0.0 | 0.3 \pm 0.3 |
| Cobia | | | | | | | |
| 1982 | | | | | | | |
| | | Weekend | 0.1 \pm 0.1 | 0.5 \pm 0.2 | 0.2 \pm <.1 | <.1 \pm <.1 | 0.8 \pm 0.3 |
| | | Weekday | 0.0 | 0.2 \pm <.1 | <.1 \pm <.1 | <.1 \pm <.1 | 0.3 \pm 0.1 |
| 1983 | | | | | | | |
| | | Weekend | 0.2 \pm 0.2 | <.1 \pm <.1 | 0.1 \pm 0.1 | <.1 \pm <.1 | 0.4 \pm 0.2 |
| | | Weekday | 0.2 \pm 0.2 | <.1 \pm <.1 | 0.0 | <.1 \pm <.1 | 0.2 \pm 0.2 |
| 1984 | | | | | | | |
| | | Weekend | <.1 \pm <.1 | <.1 \pm <.1 | <.1 \pm <.1 | <.1 \pm <.1 | 0.1 \pm <.1 |
| | | Weekday | 0.0 | <.1 \pm <.1 | 0.0 | 0.2 \pm 0.2 | 0.2 \pm 0.2 |
| King mackerel | | | | | | | |
| 1982 | | | | | | | |
| | | Weekend | 1.6 \pm 0.9 | 3.9 \pm 0.6 | 2.0 \pm 0.4 | 0.3 \pm 0.1 | 7.7 \pm 1.7 |
| | | Weekday | 3.6 \pm 3.3 | 2.0 \pm 0.3 | 1.7 \pm 0.3 | 0.5 \pm 0.4 | 7.8 \pm 3.5 |
| 1983 | | | | | | | |
| | | Weekend | 1.1 \pm 0.8 | 0.7 \pm 0.3 | 5.1 \pm 3.4 | 0.1 \pm 0.1 | 7.1 \pm 3.5 |
| | | Weekday | 0.1 \pm 0.1 | 0.4 \pm 0.2 | 2.4 \pm 2.0 | 0.1 \pm <.1 | 3.0 \pm 2.0 |
| 1984 | | | | | | | |
| | | Weekend | 0.9 \pm 0.5 | 0.7 \pm 0.3 | 2.8 \pm 1.1 | 0.3 \pm 0.1 | 4.6 \pm 1.2 |
| | | Weekday | <.1 \pm <.1 | 0.6 \pm 0.2 | 2.7 \pm 1.1 | 0.2 \pm 0.1 | 3.5 \pm 1.1 |

Table K.4. (Cont'd.)

| Species | Year | Area | | | | | |
|-------------------------|----------|-------------|------------|-----------|-----------|----------------|--------------------|
| | | Galveston | | Matagorda | | Corpus Christi | Lower Laguna Madre |
| | Day type | | | | | | |
| Red drum | | | | | | | |
| | 1982 | | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 1983 | | | | | | |
| | Weekend | 0.0 | <.1 ± <.1 | 0.0 | 0.0 | <.1 ± <.1 | <.1 ± <.1 |
| | Weekday | 0.0 | <.1 ± <.1 | 0.0 | 0.0 | <.1 ± <.1 | <.1 ± <.1 |
| | 1984 | | | | | | |
| | Weekend | 0.1 ± 0.1 | 0.1 ± <.1 | 0.0 | 0.0 | 0.1 ± 0.1 | 0.1 ± 0.1 |
| | Weekday | 0.0 | <.1 ± <.1 | 0.0 | 0.0 | <.1 ± <.1 | <.1 ± <.1 |
| Red snapper | | | | | | | |
| | 1982 | | | | | | |
| | Weekend | 3.6 ± 2.4 | 2.4 ± 0.5 | 2.2 ± 0.5 | 3.8 ± 1.9 | 12.0 ± 3.4 | 12.0 ± 3.4 |
| | Weekday | 5.2 ± 3.0 | 3.8 ± 1.1 | 0.3 ± 0.1 | 5.0 ± 2.5 | 14.4 ± 4.5 | 14.4 ± 4.5 |
| | 1983 | | | | | | |
| | Weekend | 16.1 ± 13.8 | 4.8 ± 3.6 | 2.3 ± 1.4 | 7.2 ± 3.9 | 30.4 ± 14.8 | 30.4 ± 14.8 |
| | Weekday | 10.6 ± 10.2 | 1.7 ± 0.9 | 0.1 ± 0.1 | 1.3 ± 0.8 | 13.7 ± 10.3 | 13.7 ± 10.3 |
| | 1984 | | | | | | |
| | Weekend | 0.3 ± 0.2 | 0.9 ± 0.4 | 1.4 ± 0.8 | 1.1 ± 0.6 | 3.7 ± 1.1 | 3.7 ± 1.1 |
| | Weekday | 0.0 | 0.9 ± 0.4 | 7.0 ± 4.7 | 2.5 ± 2.3 | 10.4 ± 5.2 | 10.4 ± 5.2 |
| Sand seatrout | | | | | | | |
| | 1982 | | | | | | |
| | Weekend | 0.0 | 15.0 ± 7.1 | 0.5 ± 0.2 | 0.0 | 15.5 ± 13.1 | 15.5 ± 13.1 |
| | Weekday | 0.0 | 0.2 ± 0.1 | 0.1 ± <.1 | 0.3 ± 0.3 | 0.7 ± 0.4 | 0.7 ± 0.4 |
| | 1983 | | | | | | |
| | Weekend | 0.3 ± 0.2 | 0.4 ± 0.3 | 0.0 | <.1 ± <.1 | 0.7 ± 0.3 | 0.7 ± 0.3 |
| | Weekday | 0.0 | <.1 ± <.1 | 0.0 | 0.0 | <.1 ± <.1 | <.1 ± <.1 |
| | 1984 | | | | | | |
| | Weekend | 1.7 ± 1.3 | 1.3 ± 0.7 | 0.1 ± 0.1 | 0.0 | 3.0 ± 1.5 | 3.0 ± 1.5 |
| | Weekday | 0.0 | 1.3 ± 1.0 | 0.0 | 0.0 | 1.3 ± 1.0 | 1.3 ± 1.0 |
| Spanish mackerel | | | | | | | |
| | 1982 | | | | | | |
| | Weekend | 0.7 ± 0.6 | 0.1 ± <.1 | 0.1 ± <.1 | <.1 ± <.1 | 0.9 ± 0.6 | 0.9 ± 0.6 |
| | Weekday | 0.6 ± 0.6 | 0.1 ± <.1 | 0.0 | 0.0 | 0.7 ± 0.6 | 0.7 ± 0.6 |
| | 1983 | | | | | | |
| | Weekend | 0.5 ± 0.4 | 0.1 ± 0.1 | 0.2 ± 0.2 | <.1 ± <.1 | 0.8 ± 0.5 | 0.8 ± 0.5 |
| | Weekday | 0.2 ± 0.2 | <.1 ± <.1 | 0.2 ± 0.1 | <.1 ± <.1 | 0.4 ± 0.2 | 0.4 ± 0.2 |
| | 1984 | | | | | | |
| | Weekend | 0.5 ± 0.5 | <.1 ± <.1 | 0.1 ± <.1 | 0.0 | 0.7 ± 0.5 | 0.7 ± 0.5 |
| | Weekday | 0.0 | 0.1 ± 0.1 | <.1 ± <.1 | <.1 ± <.1 | 0.1 ± 0.1 | 0.1 ± 0.1 |

Table K.4. (Cont'd.)

| Species | Area | | | | | |
|---|-------------|------------|------------|----------------|--------------------|------------------------|
| | Year | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide ^a |
| Day type | | | | | | |
| Spotted seatrout | | | | | | |
| 1982 | | | | | | |
| Weekend | 0.0 | 0.1 ± <.1 | <.1 ± <.1 | 0.0 | 0.2 ± 0.1 | |
| Weekday | 0.1 ± 0.1 | 0.0 | 0.0 | 0.0 | 0.1 ± 0.1 | |
| 1983 | | | | | | |
| Weekend | 0.0 | <.1 ± <.1 | 0.0 | 0.0 | <.1 ± <.1 | |
| Weekday | 0.0 | <.1 ± <.1 | 0.0 | 0.0 | <.1 ± <.1 | |
| 1984 | | | | | | |
| Weekend | 0.0 | <.1 ± <.1 | 0.0 | 0.0 | <.1 ± <.1 | |
| Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Vermilion snapper | | | | | | |
| 1982 ^b | | | | | | |
| Weekend | | | | | | |
| Weekday | | | | | | |
| 1983 | | | | | | |
| Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Weekday | 0.0 | 0.0 | <.1 ± <.1 | 0.0 | <.1 ± <.1 | |
| 1984 | | | | | | |
| Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Weekday | 0.0 | 0.0 | <.1 ± <.1 | 0.0 | <.1 ± <.1 | |
| Other species | | | | | | |
| 1982 | | | | | | |
| Weekend | 1.3 ± 0.7 | 2.5 ± 0.7 | 3.1 ± 0.7 | 0.3 ± 0.2 | 7.2 ± 2.1 | |
| Weekday | 2.2 ± 1.3 | 1.5 ± 0.4 | 0.6 ± 0.1 | 0.5 ± 0.3 | 4.8 ± 1.6 | |
| 1983 | | | | | | |
| Weekend | 7.3 | 0.6 | 3.4 | 0.1 ± <.1 | 11.4 | |
| Weekday | 1.2 | 0.4 | 0.3 | 2.6 ± 2.6 | 4.5 | |
| 1984 | | | | | | |
| Weekend | 3.0 | 1.1 | 1.1 ± 0.4 | 0.3 | 5.4 | |
| Weekday | 0.3 | 1.2 ± 0.8 | 1.4 | 2.5 | 5.4 | |
| All species combined^a | | | | | | |
| 1982 | | | | | | |
| Weekend | 7.3 ± 4.2 | 24.5 ± 7.3 | 8.4 ± 1.3 | 4.5 ± 2.0 | 44.6 ± 14.5 | |
| Weekday | 11.7 ± 5.8 | 8.0 ± 1.3 | 2.7 ± 0.4 | 6.8 ± 3.1 | 29.2 ± 7.1 | |
| 1983 | | | | | | |
| Weekend | 25.8 ± 15.5 | 6.6 ± 4.0 | 11.2 ± 6.7 | 7.4 ± 3.9 | 51.1 ± 17.8 | |
| Weekday | 12.5 ± 11.4 | 2.5 ± 1.0 | 3.0 ± 2.1 | 4.0 ± 2.7 | 22.0 ± 11.9 | |
| 1984 | | | | | | |
| Weekend | 6.6 ± 3.7 | 4.3 ± 1.3 | 5.4 ± 2.0 | 1.6 ± 0.7 | 18.0 ± 4.4 | |
| Weekday | 0.7 ± 0.6 | 4.1 ± 1.5 | 11.2 ± 5.7 | 5.5 ± 3.1 | 21.4 ± 6.7 | |

^aDue to rounding of numbers, these totals may not exactly equal individual totals.

^bThis species is included in other species in this year.

Table K.5. Estimated landings of fishes (No. x 1000) \pm 1 SE caught by private-boat fishermen in the FCZ during the low-use season by species, day type and area (1982-1985).

| Species | Year | Day type | Area | | | | |
|--------------------------|------|----------|---------------|---------------|----------------|--------------------|------------------------|
| | | | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide ^a |
| Atlantic croaker | | | | | | | |
| 1982-83 | | | | | | | |
| | | Weekend | 0.0 | <.1 \pm <.1 | 0.0 | 0.0 | <.1 \pm <.1 |
| | | Weekday | 0.1 \pm 0.1 | 0.0 | 0.0 | 0.0 | 0.1 \pm 0.1 |
| 1983-84 | | | | | | | |
| | | Weekend | 0.0 | <.1 \pm <.1 | 0.0 | 0.0 | <.1 \pm <.1 |
| | | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984-85 | | | | | | | |
| | | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Atlantic sharpnose shark | | | | | | | |
| 1982-83 ^b | | | | | | | |
| | | Weekend | | | | | |
| | | Weekday | | | | | |
| 1983-84 | | | | | | | |
| | | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984-85 | | | | | | | |
| | | Weekend | 0.0 | 0.0 | 0.0 | 1.6 \pm 1.6 | 1.6 \pm 1.6 |
| | | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Cobia | | | | | | | |
| 1982-83 | | | | | | | |
| | | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983-84 | | | | | | | |
| | | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984-85 | | | | | | | |
| | | Weekend | | | | | |
| | | Weekday | | | | | |
| King mackerel | | | | | | | |
| 1982-83 | | | | | | | |
| | | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983-84 | | | | | | | |
| | | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984-85 | | | | | | | |
| | | Weekend | 0.0 | 0.1 \pm 0.1 | 0.0 | 0.0 | 0.1 \pm 0.1 |
| | | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table K.5. (Cont'd.)

| Species | Year | Day type | Area | | | | |
|-------------------------|---------|----------|-------------|-----------|----------------|--------------------|------------------------|
| | | | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide ^a |
| Red drum | | | | | | | |
| | 1982-83 | | | | | | |
| | Weekend | | 0.0 | <.1 ± <.1 | 0.0 | 0.0 | <.1 ± <.1 |
| | Weekday | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 1983-84 | | | | | | |
| | Weekend | | 0.0 | <.1 ± <.1 | 0.0 | 0.0 | <.1 ± <.1 |
| | Weekday | | 0.0 | <.1 ± <.1 | 0.0 | 0.0 | <.1 ± <.1 |
| | 1984-85 | | | | | | |
| | Weekend | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Red snapper | | | | | | | |
| | 1982-83 | | | | | | |
| | Weekend | | 0.0 | 7.8 ± 3.6 | 0.7 ± 0.3 | 0.0 | 8.4 ± 7.2 |
| | Weekday | | 2.6 ± 2.6 | 1.2 ± 0.3 | 0.0 | 0.0 | 3.8 ± 2.7 |
| | 1983-84 | | | | | | |
| | Weekend | | 0.0 | 1.9 ± 1.2 | 0.0 | 0.0 | 1.9 ± 1.2 |
| | Weekday | | 0.0 | 0.5 ± 0.3 | 0.0 | 0.0 | 0.5 ± 0.3 |
| | 1984-85 | | | | | | |
| | Weekend | | 0.0 | 3.9 ± 2.7 | 0.0 | 1.1 ± 1.1 | 5.0 ± 2.9 |
| | Weekday | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Sand seatrout | | | | | | | |
| | 1982-83 | | | | | | |
| | Weekend | | 0.0 | 0.2 ± 0.1 | 0.0 | 0.0 | 0.2 ± 0.2 |
| | Weekday | | 33.8 ± 33.8 | 3.4 ± 1.2 | 0.0 | 0.0 | 37.2 ± 33.9 |
| | 1983-84 | | | | | | |
| | Weekend | | 0.0 | 3.2 ± 2.1 | 0.0 | 0.0 | 3.2 ± 2.1 |
| | Weekday | | 0.0 | 2.0 ± 2.0 | 0.0 | 0.0 | 2.0 ± 2.0 |
| | 1984-85 | | | | | | |
| | Weekend | | 0.0 | 0.3 ± 0.3 | 0.0 | 0.0 | 0.3 ± 0.3 |
| | Weekday | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Spanish mackerel | | | | | | | |
| | 1982-83 | | | | | | |
| | Weekend | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 1983-84 | | | | | | |
| | Weekend | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 1984-85 | | | | | | |
| | Weekend | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table K.5. (Cont'd.)

| Species | Area | | | | | |
|-----------------------------------|----------|-------------|-----------|----------------|--------------------|------------------------|
| | Year | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide ^a |
| | Day type | | | | | |
| Spotted seatrout | | | | | | |
| 1982-83 | | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1983-84 | | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984-85 | | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Vermilion snapper | | | | | | |
| 1982-83 ^b | | | | | | |
| | Weekend | | | | | |
| | Weekday | | | | | |
| 1983-84 | | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984-85 | | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Other species | | | | | | |
| 1982-83 | | | | | | |
| | Weekend | 0.0 | 0.2 ± 0.1 | 0.0 | 0.0 | 0.2 ± 0.2 |
| | Weekday | 0.1 ± 0.1 | 0.4 ± 0.1 | 0.4 ± 0.2 | 0.0 | 0.9 ± 0.4 |
| 1983-84 | | | | | | |
| | Weekend | 0.0 | 0.4 | 0.0 | 0.0 | 0.4 |
| | Weekday | 0.0 | 0.3 ± 0.2 | 0.0 | 0.0 | 0.3 ± 0.2 |
| 1984-85 | | | | | | |
| | Weekend | 0.0 | 3.9 | 0.0 | 0.3 ± 0.3 | 4.2 |
| | Weekday | 0.0 | 0.6 ± 0.6 | 0.0 | 0.0 | 0.6 ± 0.6 |
| All species combined ^a | | | | | | |
| 1982-83 | | | | | | |
| | Weekend | 0.0 | 8.3 ± 3.7 | 0.7 ± 0.3 | 0.0 | 8.9 ± 7.4 |
| | Weekday | 36.7 ± 36.7 | 4.9 ± 1.4 | 0.4 ± 0.2 | 0.0 | 42.0 ± 36.8 |
| 1983-84 | | | | | | |
| | Weekend | 0.0 | 5.5 ± 3.0 | 0.0 | 0.0 | 5.5 ± 3.0 |
| | Weekday | 0.0 | 2.8 ± 2.5 | 0.0 | 0.0 | 2.8 ± 2.5 |
| 1984-85 | | | | | | |
| | Weekend | 0.0 | 8.3 ± 5.4 | 0.0 | 2.9 ± 2.0 | 11.2 ± 5.8 |
| | Weekday | 0.0 | 0.6 ± 0.6 | 0.0 | 0.0 | 0.6 ± 0.6 |

^aDue to rounding of numbers, these totals may not exactly equal individual totals.

^bThis species is included in other species in this year.

Table K.6. Annual mean catch rates of fishes (No./man-h) \pm 1 SE caught by private-boat fishermen in the FCZ by species and area (1982-1985).

| Species Year | Area | | | | |
|---------------------------------|-----------------|-----------------|-----------------|--------------------|------------------------|
| | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide ^a |
| Atlantic croaker | | | | | |
| 1982-83 | <.01 \pm <.01 | <.01 \pm <.01 | <.01 \pm <.01 | 0.02 \pm 0.02 | <.01 \pm <.01 |
| 1983-84 | <.01 \pm <.01 | <.01 \pm <.01 | 0.00 | 0.00 | <.01 \pm <.01 |
| 1984-85 | 0.00 | <.01 \pm <.01 | 0.00 | 0.00 | <.01 \pm <.01 |
| Atlantic sharpnose shark | | | | | |
| 1982-83 ^b | | | | | |
| 1983-84 | <.01 \pm <.01 | <.01 \pm <.01 | <.01 \pm <.01 | 0.00 | <.01 \pm <.01 |
| 1984-85 | 0.02 \pm 0.01 | 0.01 \pm 0.01 | 0.00 | 0.06 \pm 0.06 | 0.01 \pm 0.01 |
| Cobia | | | | | |
| 1982-83 | <.01 \pm <.01 | 0.01 \pm <.01 | <.01 \pm <.01 | <.01 \pm <.01 | <.01 \pm <.01 |
| 1983-84 | 0.01 \pm 0.01 | <.01 \pm <.01 | <.01 \pm <.01 | <.01 \pm <.01 | <.01 \pm <.01 |
| 1984-85 | 0.00 | <.01 \pm <.01 | 0.00 | 0.01 \pm 0.01 | <.01 \pm <.01 |
| King mackerel | | | | | |
| 1982-83 | 0.06 \pm 0.04 | 0.08 \pm 0.02 | 0.05 \pm 0.01 | 0.04 \pm 0.02 | 0.06 \pm 0.02 |
| 1983-84 | 0.03 \pm 0.02 | 0.04 \pm 0.02 | 0.08 \pm 0.05 | <.01 \pm <.01 | 0.01 \pm <.01 |
| 1984-85 | 0.03 \pm 0.02 | 0.05 \pm 0.02 | 0.08 \pm 0.03 | 0.02 \pm 0.01 | 0.06 \pm 0.01 |
| Red drum | | | | | |
| 1982-83 | 0.00 | <.01 \pm <.01 | 0.00 | 0.00 | <.01 \pm <.01 |
| 1983-84 | 0.00 | <.01 \pm <.01 | 0.00 | 0.00 | <.01 \pm <.01 |
| 1984-85 | <.01 \pm <.01 | <.01 \pm <.01 | 0.00 | 0.00 | <.01 \pm <.01 |
| Red snapper | | | | | |
| 1982-83 | 0.12 \pm 0.07 | 0.22 \pm 0.10 | 0.04 \pm 0.02 | 0.50 \pm 0.22 | 0.15 \pm 0.04 |
| 1983-84 | 0.64 \pm 0.44 | 0.32 \pm 0.17 | 0.02 \pm 0.02 | 0.24 \pm 0.16 | 0.24 \pm 0.10 |
| 1984-85 | 0.01 \pm 0.01 | 0.19 \pm 0.10 | 0.12 \pm 0.07 | 0.19 \pm 0.12 | 0.12 \pm 0.04 |
| Sand seatrout | | | | | |
| 1982-83 | 0.37 \pm 0.37 | 0.27 \pm 0.16 | 0.01 \pm 0.01 | 0.02 \pm 0.02 | 0.21 \pm 0.14 |
| 1983-84 | 0.01 \pm <.01 | 0.21 \pm 0.12 | 0.00 | <.01 \pm <.01 | <.01 \pm <.01 |
| 1984-85 | 0.06 \pm 0.05 | 0.08 \pm 0.04 | <.01 \pm <.01 | 0.00 | 0.03 \pm 0.01 |
| Spanish mackerel | | | | | |
| 1982-83 | 0.02 \pm 0.01 | <.01 \pm <.01 | <.01 \pm <.01 | <.01 \pm <.01 | 0.01 \pm <.01 |
| 1983-84 | 0.02 \pm 0.01 | <.01 \pm <.01 | <.01 \pm <.01 | <.01 \pm <.01 | <.01 \pm <.01 |
| 1984-85 | 0.02 \pm 0.02 | <.01 \pm <.01 | <.01 \pm <.01 | <.01 \pm <.01 | <.01 \pm <.01 |
| Spotted seatrout | | | | | |
| 1982-83 | <.01 \pm <.01 | <.01 \pm <.01 | <.01 \pm <.01 | 0.00 | <.01 \pm <.01 |
| 1983-84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1984-85 | 0.00 | <.01 \pm <.01 | 0.00 | 0.00 | <.01 \pm <.01 |

Table K.6. (Cont'd.)

| Species Year | Area | | | | Coastwide ^a |
|-----------------------------------|-------------|-------------|----------------|--------------------|------------------------|
| | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | |
| Vermilion snapper | | | | | |
| 1982-83 ^b | | | | | |
| 1983-84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1984-85 | 0.00 | 0.00 | <.01 ± <.01 | 0.00 | <.01 ± <.01 |
| Other species | | | | | |
| 1982-83 | 0.04 ± 0.02 | 0.06 ± 0.02 | 0.05 ± 0.02 | 0.05 ± 0.02 | 0.05 ± 0.01 |
| 1983-84 | 0.21 | 0.06 | 0.04 | 0.08 ± 0.07 | 0.08 |
| 1984-85 | 0.12 | 0.23 | 0.03 | 0.12 | 0.10 |
| All species combined ^a | | | | | |
| 1982-83 | 0.61 ± 0.45 | 0.65 ± 0.22 | 0.15 ± 0.05 | 0.63 ± 0.27 | 0.48 ± 0.18 |
| 1983-84 | 0.92 ± 0.54 | 0.64 ± 0.28 | 0.15 ± 0.10 | 0.32 ± 0.22 | 0.41 ± 0.15 |
| 1984-85 | 0.24 ± 0.14 | 0.58 ± 0.22 | 0.23 ± 0.10 | 0.41 ± 0.21 | 0.32 ± 0.08 |

^aDue to rounding of numbers, these totals may not exactly equal individual totals.

^bThis species is included in other species in this year.

Table K.7. Mean catch rates of fishes (No./man-h) \pm 1 SE caught by private-boat fishermen in the FCZ during the high-use season by species, day type and area (1982-1984).

| Species | Year | Day type | Area | | | | |
|--------------------------|-------------------|----------|-----------------|-----------------|-----------------|--------------------|------------------------|
| | | | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide ^a |
| Atlantic croaker | | | | | | | |
| | 1982 | | | | | | |
| | | Weekend | 0.00 | 0.00 | 0.01 \pm 0.01 | 0.00 | <.01 \pm <.01 |
| | | Weekday | 0.00 | <.01 \pm <.01 | 0.00 | 0.04 \pm 0.04 | <.01 \pm <.01 |
| | 1983 | | | | | | |
| | | Weekend | <.01 \pm <.01 | 0.00 | 0.00 | 0.00 | <.01 \pm <.01 |
| | | Weekday | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 1984 | | | | | | |
| | | Weekend | 0.00 | 0.01 \pm 0.01 | <.01 \pm <.01 | 0.00 | <.01 \pm <.01 |
| | | Weekday | 0.00 | <.01 \pm <.01 | 0.00 | 0.00 | <.01 \pm <.01 |
| Atlantic sharpnose shark | | | | | | | |
| | 1982 ^b | | | | | | |
| | | Weekend | | | | | |
| | | Weekday | | | | | |
| | 1983 | | | | | | |
| | | Weekend | <.01 \pm <.01 | <.01 \pm <.01 | <.01 \pm <.01 | 0.00 | <.01 \pm <.01 |
| | | Weekday | 0.01 \pm 0.01 | 0.00 | <.01 \pm <.01 | 0.00 | <.01 \pm <.01 |
| | 1984 | | | | | | |
| | | Weekend | 0.01 \pm 0.01 | <.01 \pm <.01 | 0.00 | 0.00 | <.01 \pm <.01 |
| | | Weekday | 0.05 \pm 0.05 | 0.00 | <.01 \pm <.01 | 0.00 | <.01 \pm <.01 |
| Cobia | | | | | | | |
| | 1982 | | | | | | |
| | | Weekend | <.01 \pm <.01 | 0.01 \pm 0.01 | <.01 \pm <.01 | <.01 \pm <.01 | 0.01 \pm <.01 |
| | | Weekday | 0.00 | 0.01 \pm <.01 | <.01 \pm <.01 | <.01 \pm <.01 | <.01 \pm <.01 |
| | 1983 | | | | | | |
| | | Weekend | 0.01 \pm <.01 | <.01 \pm <.01 | <.01 \pm <.01 | <.01 \pm <.01 | <.01 \pm <.01 |
| | | Weekday | 0.02 \pm 0.02 | <.01 \pm <.01 | 0.00 | <.01 \pm <.01 | 0.01 \pm 0.01 |
| | 1984 | | | | | | |
| | | Weekend | <.01 \pm <.01 | <.01 \pm <.01 | <.01 \pm <.01 | <.01 \pm <.01 | <.01 \pm <.01 |
| | | Weekday | 0.00 | <.01 \pm <.01 | 0.00 | 0.01 \pm 0.01 | <.01 \pm <.01 |
| King mackerel | | | | | | | |
| | 1982 | | | | | | |
| | | Weekend | 0.04 \pm 0.03 | 0.09 \pm 0.03 | 0.04 \pm 0.02 | 0.03 \pm 0.02 | 0.05 \pm 0.02 |
| | | Weekday | 0.09 \pm 0.08 | 0.09 \pm 0.05 | 0.07 \pm 0.02 | 0.06 \pm 0.04 | 0.08 \pm 0.04 |
| | 1983 | | | | | | |
| | | Weekend | 0.04 \pm 0.03 | 0.04 \pm 0.02 | 0.06 \pm 0.05 | 0.01 \pm 0.01 | 0.05 \pm 0.03 |
| | | Weekday | 0.01 \pm 0.01 | 0.08 \pm 0.06 | 0.20 \pm 0.18 | 0.01 \pm 0.01 | 0.09 \pm 0.07 |
| | 1984 | | | | | | |
| | | Weekend | 0.04 \pm 0.02 | 0.07 \pm 0.03 | 0.07 \pm 0.03 | 0.03 \pm 0.02 | 0.05 \pm 0.02 |
| | | Weekday | <.01 \pm <.01 | 0.06 \pm 0.02 | 0.08 \pm 0.04 | 0.02 \pm 0.01 | 0.06 \pm 0.02 |

Table K.7. (Cont'd.)

| Species | Year | Area | | | | Coastwide ^a |
|------------------|----------|-------------|-------------|----------------|--------------------|------------------------|
| | | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | |
| | Day type | | | | | |
| Red drum | | | | | | |
| 1982 | | | | | | |
| | Weekend | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Weekday | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1983 | | | | | | |
| | Weekend | 0.00 | <.01 ± <.01 | 0.00 | 0.00 | <.01 ± <.01 |
| | Weekday | 0.00 | <.01 ± <.01 | 0.00 | 0.00 | <.01 ± <.01 |
| 1984 | | | | | | |
| | Weekend | <.01 ± <.01 | 0.01 ± <.01 | 0.00 | 0.00 | <.01 ± <.01 |
| | Weekday | 0.00 | <.01 ± <.01 | 0.00 | 0.00 | <.01 ± <.01 |
| Red snapper | | | | | | |
| 1982 | | | | | | |
| | Weekend | 0.08 ± 0.07 | 0.06 ± 0.03 | 0.04 ± 0.01 | 0.46 ± 0.27 | 0.08 ± 0.03 |
| | Weekday | 0.13 ± 0.09 | 0.17 ± 0.14 | 0.01 ± <.01 | 0.53 ± 0.33 | 0.14 ± 0.06 |
| 1983 | | | | | | |
| | Weekend | 0.51 ± 0.45 | 0.27 ± 0.22 | 0.03 ± 0.02 | 0.64 ± 0.45 | 0.21 ± 0.12 |
| | Weekday | 1.06 ± 1.03 | 0.36 ± 0.21 | 0.01 ± 0.01 | 0.24 ± 0.22 | 0.43 ± 0.33 |
| 1984 | | | | | | |
| | Weekend | 0.01 ± 0.01 | 0.08 ± 0.04 | 0.03 ± 0.02 | 0.15 ± 0.09 | 0.04 ± 0.02 |
| | Weekday | 0.00 | 0.08 ± 0.04 | 0.22 ± 0.15 | 0.19 ± 0.18 | 0.17 ± 0.09 |
| Sand seatrout | | | | | | |
| 1982 | | | | | | |
| | Weekend | 0.00 | 0.36 ± 0.28 | 0.01 ± 0.01 | 0.00 | 0.11 ± 0.09 |
| | Weekday | 0.00 | 0.01 ± 0.01 | <.01 ± <.01 | 0.04 ± 0.04 | 0.01 ± <.01 |
| 1983 | | | | | | |
| | Weekend | 0.01 ± 0.01 | 0.02 ± 0.02 | 0.00 | <.01 ± <.01 | <.01 ± <.01 |
| | Weekday | 0.00 | 0.01 ± 0.01 | 0.00 | 0.00 | <.01 ± <.01 |
| 1984 | | | | | | |
| | Weekend | 0.07 ± 0.06 | 0.12 ± 0.07 | <.01 ± <.01 | 0.00 | 0.04 ± 0.02 |
| | Weekday | 0.00 | 0.12 ± 0.10 | 0.00 | 0.00 | 0.02 ± 0.02 |
| Spanish mackerel | | | | | | |
| 1982 | | | | | | |
| | Weekend | 0.02 ± 0.02 | <.01 ± <.01 | <.01 ± <.01 | <.01 ± <.01 | 0.01 ± <.01 |
| | Weekday | 0.02 ± 0.01 | <.01 ± <.01 | 0.00 | 0.00 | 0.01 ± 0.01 |
| 1983 | | | | | | |
| | Weekend | 0.02 ± 0.01 | <.01 ± <.01 | <.01 ± <.01 | <.01 ± <.01 | 0.01 ± <.01 |
| | Weekday | 0.02 ± 0.02 | <.01 ± <.01 | 0.01 ± 0.01 | <.01 ± <.01 | 0.01 ± 0.01 |
| 1984 | | | | | | |
| | Weekend | 0.02 ± 0.02 | <.01 ± <.01 | <.01 ± <.01 | 0.00 | 0.01 ± 0.01 |
| | Weekday | 0.00 | 0.01 ± <.01 | <.01 ± <.01 | <.01 ± <.01 | <.01 ± <.01 |

Table K.7. (Cont'd.)

| Species | Year | Area | | | | |
|---|---------|-------------|-------------|----------------|--------------------|------------------------|
| | | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide ^a |
| Spotted seatrout | | | | | | |
| 1982 | | | | | | |
| | Weekend | 0.00 | <.01 ± <.01 | <.01 ± <.01 | 0.00 | <.01 ± <.01 |
| | Weekday | <.01 ± <.01 | 0.00 | 0.00 | 0.00 | <.01 ± <.01 |
| 1983 | | | | | | |
| | Weekend | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Weekday | 0.00 | <.01 ± <.01 | 0.00 | 0.00 | <.01 ± <.01 |
| 1984 | | | | | | |
| | Weekend | 0.00 | <.01 ± <.01 | 0.00 | 0.00 | <.01 ± <.01 |
| | Weekday | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vermilion snapper | | | | | | |
| 1982 ^b | | | | | | |
| | Weekend | | | | | |
| | Weekday | | | | | |
| 1983 | | | | | | |
| | Weekend | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Weekday | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1984 | | | | | | |
| | Weekend | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Weekday | 0.00 | 0.00 | <.01 ± <.01 | 0.00 | <.01 ± <.01 |
| Other species | | | | | | |
| 1982 | | | | | | |
| | Weekend | 0.03 ± 0.02 | 0.06 ± 0.03 | 0.06 ± 0.04 | 0.04 ± 0.02 | 0.05 ± 0.02 |
| | Weekday | 0.05 ± 0.04 | 0.07 ± 0.05 | 0.02 ± 0.01 | 0.05 ± 0.04 | 0.05 ± 0.02 |
| 1983 | | | | | | |
| | Weekend | 0.23 ± 0.21 | 0.03 ± 0.02 | 0.04 | <.01 ± <.01 | 0.08 |
| | Weekday | 0.12 | 0.08 | 0.02 | 0.48 ± 0.48 | 0.14 |
| 1984 | | | | | | |
| | Weekend | 0.12 | 0.10 | 0.03 ± 0.01 | 0.03 | 0.06 |
| | Weekday | 0.06 | 0.11 | 0.04 | 0.19 | 0.09 |
| All species combined^a | | | | | | |
| 1982 | | | | | | |
| | Weekend | 0.16 ± 0.13 | 0.58 ± 0.31 | 0.17 ± 0.08 | 0.54 ± 0.29 | 0.31 ± 0.12 |
| | Weekday | 0.28 ± 0.19 | 0.35 ± 0.19 | 0.11 ± 0.04 | 0.71 ± 0.43 | 0.29 ± 0.10 |
| 1983 | | | | | | |
| | Weekend | 0.82 ± 0.56 | 0.38 ± 0.26 | 0.14 ± 0.10 | 0.66 ± 0.46 | 0.36 ± 0.16 |
| | Weekday | 1.24 ± 1.16 | 0.54 ± 0.27 | 0.25 ± 0.21 | 0.74 ± 0.67 | 0.68 ± 0.42 |
| 1984 | | | | | | |
| | Weekend | 0.27 ± 0.18 | 0.39 ± 0.15 | 0.13 ± 0.06 | 0.22 ± 0.12 | 0.21 ± 0.07 |
| | Weekday | 0.10 ± 0.10 | 0.39 ± 0.18 | 0.34 ± 0.20 | 0.41 ± 0.31 | 0.34 ± 0.13 |

^aDue to rounding of numbers, these totals may not exactly equal individual totals.

^bThis species is included in other species in this year.

Table K.8. Mean catch rates of fishes (No./man-h) \pm 1 SE caught by private-boat fishermen in the FCZ during the low-use season by species, day type and area (1982-1985). Blank = no fishermen interviewed.

| Species | Year | Area | | | | |
|--------------------------|----------------------|-----------------|-----------------|----------------|--------------------|------------------------|
| | | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide ^a |
| Atlantic croaker | | | | | | |
| | 1982-83 | | | | | |
| | Weekend | | 0.01 \pm 0.01 | 0.00 | | 0.01 \pm <.01 |
| | Weekday | 0.03 \pm 0.03 | 0.00 | 0.00 | | 0.02 \pm 0.02 |
| | 1983-84 | | | | | |
| | Weekend | | <.01 \pm <.01 | | 0.00 | <.01 \pm <.01 |
| | Weekday | | 0.00 | | | 0.00 |
| | 1984-85 | | | | | |
| | Weekend | | 0.00 | | 0.00 | 0.00 |
| | Weekday | | 0.00 | | | 0.00 |
| Atlantic sharpnose shark | | | | | | |
| | 1982-83 ^b | | | | | |
| | Weekend | | | | | |
| | Weekday | | | | | |
| | 1983-84 | | | | | |
| | Weekend | | 0.00 | | 0.00 | 0.00 |
| | Weekday | | 0.00 | | | 0.00 |
| | 1984-85 | | | | | |
| | Weekend | | 0.00 | | 0.44 \pm 0.44 | 0.16 \pm 0.16 |
| | Weekday | | 0.00 | | 0.00 | 0.00 |
| Cobia | | | | | | |
| | 1982-83 | | | | | |
| | Weekend | | 0.00 | 0.00 | | 0.00 |
| | Weekday | 0.00 | 0.00 | 0.00 | | 0.00 |
| | 1983-84 | | | | | |
| | Weekend | | 0.00 | | 0.00 | 0.00 |
| | Weekday | | 0.00 | | | 0.00 |
| | 1984-85 | | | | | |
| | Weekend | | 0.00 | | 0.00 | 0.00 |
| | Weekday | | 0.00 | | | 0.00 |
| King mackerel | | | | | | |
| | 1982-83 | | | | | |
| | Weekend | | 0.00 | 0.00 | | 0.00 |
| | Weekday | 0.00 | 0.00 | 0.00 | | 0.00 |
| | 1983-84 | | | | | |
| | Weekend | | 0.00 | | 0.00 | 0.00 |
| | Weekday | | 0.00 | | | 0.00 |
| | 1984-85 | | | | | |
| | Weekend | | 0.02 \pm 0.02 | | 0.00 | 0.02 \pm 0.02 |
| | Weekday | | 0.00 | | | 0.00 |

Table K.8. (Cont'd.)

| Species | Year | Area | | | | |
|-------------------------|---------|-------------|-------------|----------------|--------------------|------------------------|
| | | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide ^a |
| Day type | | | | | | |
| Red drum | | | | | | |
| 1982-83 | | | | | | |
| | Weekend | | 0.01 ± 0.01 | 0.00 | | <.01 ± <.01 |
| | Weekday | 0.00 | 0.00 | 0.00 | | 0.00 |
| 1983-84 | | | | | | |
| | Weekend | | 0.01 ± 0.01 | | 0.00 | <.01 ± <.01 |
| | Weekday | | 0.02 ± 0.02 | | | 0.02 ± 0.02 |
| 1984-85 | | | | | | |
| | Weekend | | 0.00 | | 0.00 | 0.00 |
| | Weekday | | 0.00 | | | 0.00 |
| Red snapper | | | | | | |
| 1982-83 | | | | | | |
| | Weekend | | 2.69 ± 1.87 | 0.37 ± 0.17 | | 1.78 ± 1.62 |
| | Weekday | 0.49 ± 0.49 | 0.75 ± 0.30 | 0.00 | | 0.39 ± 0.32 |
| 1983-84 | | | | | | |
| | Weekend | | 0.49 ± 0.36 | | 0.00 | 0.08 ± 0.08 |
| | Weekday | | 0.44 ± 0.41 | | | 0.44 ± 0.41 |
| 1984-85 | | | | | | |
| | Weekend | | 0.62 ± 0.52 | | 0.30 ± 0.30 | 0.51 ± 0.36 |
| | Weekday | | 0.00 | | | 0.00 |
| Sand seatrout | | | | | | |
| 1982-83 | | | | | | |
| | Weekend | | 0.07 ± 0.07 | 0.00 | | 0.05 ± 0.05 |
| | Weekday | 6.24 ± 6.24 | 2.12 ± 0.90 | 0.00 | | 3.84 ± 3.62 |
| 1983-84 | | | | | | |
| | Weekend | | 0.83 ± 0.63 | | 0.00 | 0.14 ± 0.13 |
| | Weekday | | 1.92 ± 1.92 | | | 1.92 ± 1.92 |
| 1984-85 | | | | | | |
| | Weekend | | 0.05 ± 0.05 | | 0.00 | 0.03 ± 0.03 |
| | Weekday | | 0.00 | | | 0.00 |
| Spanish mackerel | | | | | | |
| 1982-83 | | | | | | |
| | Weekend | | 0.00 | 0.00 | | 0.00 |
| | Weekday | 0.00 | 0.00 | 0.00 | | 0.00 |
| 1983-84 | | | | | | |
| | Weekend | | 0.00 | | 0.00 | 0.00 |
| | Weekday | | 0.00 | | | 0.00 |
| 1984-85 | | | | | | |
| | Weekend | | 0.00 | | 0.00 | 0.00 |
| | Weekday | | 0.00 | | | 0.00 |

Table K.8. (Cont'd.)

| Species Year | Area | | | | |
|-----------------------------------|-------------|---------------|----------------|--------------------|------------------------|
| | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide ^a |
| Spotted seatrout | | | | | |
| 1982-83 | | | | | |
| Weekend | | 0.00 | 0.00 | | 0.00 |
| Weekday | 0.00 | 0.00 | 0.00 | | 0.00 |
| 1883-84 | | | | | |
| Weekend | | 0.00 | | 0.00 | 0.00 |
| Weekday | | 0.00 | | | 0.00 |
| 1984-85 | | | | | |
| Weekend | | 0.00 | | 0.00 | 0.00 |
| Weekday | | 0.00 | | | 0.00 |
| Vermilion snapper | | | | | |
| 1982-83 ^b | | | | | |
| Weekend | | | | | |
| Weekday | | | | | |
| 1983-84 | | | | | |
| Weekend | | 0.00 | | 0.00 | 0.00 |
| Weekday | | 0.00 | | | 0.00 |
| 1984-85 | | | | | |
| Weekend | | 0.00 | | 0.00 | 0.00 |
| Weekday | | 0.00 | | | 0.00 |
| Other species | | | | | |
| 1982-83 | | | | | |
| Weekend | | 0.07 ± 0.05 | 0.00 | | 0.04 ± 0.04 |
| Weekday | 0.03 ± 0.03 | 0.25 ± 0.10 | 0.15 ± 0.06 | | 0.09 ± 0.06 |
| 1983-84 | | | | | |
| Weekend | | 0.11 | | 0.00 | 0.02 |
| Weekday | | 0.25 ± 0.24 | | | 0.25 ± 0.24 |
| 1984-85 | | | | | |
| Weekend | | 0.64 | | 0.07 ± 0.07 | 0.42 ± 0.41 |
| Weekday | | 10.75 ± 10.75 | | | 10.75 ± 10.75 |
| All species combined ^a | | | | | |
| 1982-83 | | | | | |
| Weekend | | 2.86 ± 1.95 | 0.37 ± 0.17 | | 1.88 ± 1.68 |
| Weekday | 6.78 ± 6.78 | 3.06 ± 1.10 | 0.15 ± 0.06 | | 4.33 ± 4.00 |
| 1983-84 | | | | | |
| Weekend | | 1.45 ± 1.00 | | 0.00 | 0.25 ± 0.22 |
| Weekday | | 2.64 ± 2.58 | | | 2.64 ± 2.58 |
| 1984-85 | | | | | |
| Weekend | | 1.33 ± 1.09 | | 0.82 ± 0.73 | 1.15 ± 0.77 |
| Weekday | | 10.75 ± 10.75 | | | 10.75 ± 10.75 |

^aDue to rounding of numbers, these totals may not exactly equal individual totals.

^bThis species is included in other species in this year.

Table K.9. Annual mean weights of fishes (kg/fish) \pm 1 SE caught by private-boat fishermen in the FCZ by species and area (1982-1985). Blank = no fish weighed.

| Species Year | Area | | | | |
|---------------------------------|------------------|------------------|------------------|--------------------|------------------------|
| | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide ^a |
| Atlantic croaker | | | | | |
| 1982-83 | 0.35 | 0.53 \pm 0.05 | 0.21 | | 0.26 \pm 0.14 |
| 1983-84 | 0.17 \pm 0.01 | 0.25 | | | 0.18 \pm 0.04 |
| 1984-85 | | 0.36 \pm 0.04 | 0.54 | | 0.40 \pm 0.13 |
| Atlantic sharpnose shark | | | | | |
| 1982-83 ^b | | | | | |
| 1983-84 | 5.34 \pm 0.08 | 5.76 | 5.39 \pm 0.24 | | 5.40 \pm 0.70 |
| 1984-85 | 6.44 \pm 0.08 | 3.17 \pm 0.72 | 8.62 \pm 0.88 | 7.70 | 7.37 \pm 5.75 |
| Cobia | | | | | |
| 1982-83 | 10.68 | 5.58 \pm 1.59 | 9.14 \pm 1.13 | 5.38 | 7.16 \pm 1.57 |
| 1983-84 | 14.41 \pm 3.46 | 7.26 \pm 2.53 | 12.94 \pm 2.04 | 8.94 | 11.01 \pm 1.81 |
| 1984-85 | 5.50 | 15.66 \pm 2.78 | 4.23 | 6.10 | 7.74 \pm 5.23 |
| King mackerel | | | | | |
| 1982-83 | 5.98 \pm 1.27 | 5.76 \pm 0.92 | 5.69 \pm 0.42 | 3.40 \pm 0.40 | 5.72 \pm 0.44 |
| 1983-84 | 6.91 \pm 1.35 | 9.91 \pm 0.84 | 9.32 \pm 0.83 | 5.62 \pm 1.56 | 9.02 \pm 0.91 |
| 1984-85 | 7.87 \pm 1.10 | 8.15 \pm 1.01 | 7.16 \pm 0.24 | 6.48 \pm 0.96 | 7.36 \pm 0.49 |
| Red drum | | | | | |
| 1982-83 | | 3.15 | | | 3.15 |
| 1983-84 | | 1.90 \pm 0.38 | | | 1.90 \pm 0.38 |
| 1984-85 | 3.30 | 2.40 \pm 0.27 | | | 2.83 \pm 1.71 |
| Red snapper | | | | | |
| 1982-83 | 0.44 \pm 0.22 | 0.51 \pm 0.14 | 0.57 \pm 0.15 | 0.91 \pm 5.60 | 0.66 \pm 0.82 |
| 1983-84 | 0.45 \pm 0.05 | 0.82 \pm 0.24 | 0.56 \pm 0.09 | 0.66 \pm 0.09 | 0.56 \pm 0.09 |
| 1984-85 | 0.51 \pm 0.02 | 0.92 \pm 0.18 | 0.98 \pm 0.35 | 0.77 \pm 0.09 | 0.91 \pm 0.24 |
| Sand seatrout | | | | | |
| 1982-83 | | 0.43 \pm 0.15 | 0.25 \pm 0.44 | | 0.39 \pm 0.22 |
| 1983-84 | 0.39 | 0.40 \pm 0.04 | | | 0.40 \pm 0.04 |
| 1984-85 | 0.25 \pm 0.04 | 0.50 \pm 0.03 | 0.41 | | 0.40 \pm 0.40 |
| Spanish mackerel | | | | | |
| 1982-83 | 0.94 \pm 0.09 | 1.44 \pm 0.17 | 0.31 | | 1.00 \pm 0.21 |
| 1983-84 | 1.48 \pm 0.24 | 1.29 \pm 0.09 | 1.14 \pm 0.15 | 1.63 | 1.35 \pm 0.23 |
| 1984-85 | 1.06 \pm 0.02 | 0.68 \pm 0.10 | 0.83 \pm 0.09 | 0.62 \pm 0.62 | 0.96 \pm 0.06 |
| Spotted seatrout | | | | | |
| 1982-83 | 1.05 | 0.29 | | | 0.40 \pm 0.35 |
| 1983-84 | | .60 \pm 0.26 | | | 0.60 \pm 0.26 |
| 1984-85 | | 1.73 | | | 1.73 |

Table K.9. (Cont'd.)

| Species Year | Area | | | | |
|-----------------------------------|-------------|-------------|-------------------|-----------------------|------------------------|
| | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide ^a |
| Vermilion snapper | | | | | |
| 1982-83 ^b | | | | | |
| 1983-84 | | | 0.24 | | 0.24 |
| 1984-85 | | | 0.36 | | 0.36 |
| All species combined ^a | | | | | |
| 1982-83 | 1.52 ± 1.51 | 2.01 ± 1.57 | 2.70 ± 2.14 | 1.13 ± 2.02 | 2.11 ± 1.34 |
| 1983-84 | 2.37 ± 0.87 | 3.27 ± 0.27 | 5.61 ± 1.00 | 0.96 ± 0.30 | 3.44 ± 0.25 |
| 1984-85 | 3.44 ± 0.24 | 2.89 ± 0.41 | 4.56 ± 0.69 | 2.48 ± 0.57 | 3.49 ± 0.52 |

^aIncludes "other" species.

^bMean weights are not available for this species in this year.

Table K.10. Mean weights of fishes (kg/fish) \pm 1 SE caught by private-boat fishermen in the FCZ during the high-use season by species, day type and area (1982-1984). Blank = no fish weighed.

| Species | Year | Day type | Area | | | |
|--------------------------|-------------------|----------|------------------|------------------|------------------|---|
| | | | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre Coastwide ^a |
| Atlantic croaker | | | | | | |
| | 1982 | Weekend | | | 0.21 | 0.21 |
| | | Weekday | | | | |
| | 1983 | Weekend | 0.17 \pm 0.01 | | | 0.17 \pm 0.01 |
| | | Weekday | | | | |
| | 1984 | Weekend | | 0.38 \pm 0.03 | 0.54 | 0.41 \pm 0.13 |
| | | Weekday | | 0.25 | | 0.25 |
| Atlantic sharpnose shark | | | | | | |
| | 1982 ^b | Weekend | | | | |
| | | Weekday | | | | |
| | 1983 | Weekend | 5.39 | 5.76 | 5.15 \pm 0.35 | 5.37 \pm 3.78 |
| | | Weekday | 5.06 | | 5.70 | 5.16 |
| | 1984 | Weekend | 6.42 \pm 0.12 | 2.74 | 6.41 | 6.04 \pm 0.55 |
| | | Weekday | 6.48 | 5.33 | 9.17 | 6.68 |
| Cobia | | | | | | |
| | 1982 | Weekend | 10.68 | 8.13 \pm 1.44 | 9.12 \pm 2.06 | 9.09 \pm 1.31 |
| | | Weekday | | 3.84 \pm 1.93 | 9.17 \pm 3.53 | 5.38 \pm 0.00 |
| | 1983 | Weekend | 14.78 \pm 4.71 | 6.56 \pm 1.58 | 12.94 \pm 2.04 | 8.94 |
| | | Weekday | 13.31 \pm 6.69 | 9.82 \pm 8.67 | | 11.56 \pm 5.48 |
| | 1984 | Weekend | 5.50 | 15.17 \pm 3.52 | 4.23 | 9.63 \pm 4.16 |
| | | Weekday | | 17.62 | | 6.10 |
| King mackerel | | | | | | |
| | 1982 | Weekend | 6.04 \pm 2.15 | 5.42 \pm 0.65 | 5.44 \pm 0.51 | 2.92 \pm 0.27 |
| | | Weekday | 5.89 \pm 2.06 | 6.33 \pm 2.09 | 5.90 \pm 0.65 | 3.88 \pm 0.34 |
| | 1983 | Weekend | 6.76 \pm 1.74 | 8.39 \pm 0.70 | 10.24 \pm 1.58 | 3.93 |
| | | Weekday | 8.22 \pm 3.21 | 12.25 \pm 0.69 | 8.20 \pm 0.79 | 6.18 \pm 2.38 |
| | 1984 | Weekend | 7.75 \pm 1.15 | 8.25 \pm 1.34 | 7.23 \pm 0.21 | 5.72 \pm 1.16 |
| | | Weekday | 10.17 | 7.88 \pm 1.38 | 7.05 \pm 0.48 | 7.88 \pm 1.14 |

Table K.10. (Cont'd.)

| Species | Year | Area | | | | |
|------------------|----------|-------------|-------------|----------------|--------------------|------------------------|
| | | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide ^a |
| | Day type | | | | | |
| Red drum | | | | | | |
| | 1982 | | | | | |
| | Weekend | | | | | |
| | Weekday | | | | | |
| | 1983 | | | | | |
| | Weekend | | 2.49 ± 1.53 | | | 2.49 ± 1.53 |
| | Weekday | | 2.27 ± 1.54 | | | 2.27 ± 1.54 |
| | 1984 | | | | | |
| | Weekend | 3.30 | 2.51 ± 0.37 | | | 2.93 ± 1.93 |
| | Weekday | | 2.10 | | | 2.10 |
| Red snapper | | | | | | |
| | 1982 | | | | | |
| | Weekend | 0.48 ± 0.28 | 0.47 ± 0.49 | 0.55 ± 0.22 | 0.26 | 0.47 ± 0.32 |
| | Weekday | 0.36 ± 0.18 | 0.47 ± 0.59 | 0.48 ± 0.17 | 1.36 ± 0.00 | 1.05 ± 1.21 |
| | 1983 | | | | | |
| | Weekend | 0.49 ± 0.02 | 0.44 ± 0.13 | 0.53 ± 0.11 | 0.72 ± 0.12 | 0.54 ± 0.07 |
| | Weekday | 0.33 ± 0.05 | 1.17 ± 0.33 | 0.71 | 0.51 ± 0.06 | 0.45 ± 0.09 |
| | 1984 | | | | | |
| | Weekend | 0.51 ± 0.02 | 0.60 ± 0.15 | 0.55 ± 0.04 | 0.75 ± 0.11 | 0.62 ± 0.09 |
| | Weekday | | 1.34 ± 0.45 | 1.13 ± 0.46 | 0.96 ± 0.09 | 1.09 ± 0.37 |
| Sand seatrout | | | | | | |
| | 1982 | | | | | |
| | Weekend | | 0.41 ± 0.04 | 0.18 | | 0.33 ± 0.27 |
| | Weekday | | 0.40 ± 0.00 | 0.43 | | 0.42 ± 0.30 |
| | 1983 | | | | | |
| | Weekend | 0.39 | 0.41 ± 0.01 | | | 0.40 ± 0.01 |
| | Weekday | | | | | |
| | 1984 | | | | | |
| | Weekend | 0.25 ± 0.04 | 0.49 ± 0.04 | 0.41 | | 0.35 ± 0.05 |
| | Weekday | | 0.52 ± 0.07 | | | 0.52 ± 0.07 |
| Spanish mackerel | | | | | | |
| | 1982 | | | | | |
| | Weekend | 0.98 | 1.75 ± 1.25 | 0.31 | | 0.94 ± 0.36 |
| | Weekday | 0.78 ± 0.08 | 1.28 ± 0.35 | | | 1.13 ± 0.16 |
| | 1983 | | | | | |
| | Weekend | 1.48 ± 0.24 | 1.28 ± 0.11 | 1.20 | | 1.38 ± 0.52 |
| | Weekday | | 1.33 | 1.05 ± 0.34 | 1.63 | 1.12 ± 0.51 |
| | 1984 | | | | | |
| | Weekend | 1.06 ± 0.02 | 0.78 ± 0.01 | 0.76 ± 0.10 | | 1.01 ± 0.03 |
| | Weekday | | 0.59 ± 0.14 | 0.95 ± 0.16 | 0.62 | 0.66 ± 0.24 |

Table K.10. (Cont'd.)

| Species | Year | Area | | | | |
|-----------------------------------|-------------------|-------------|-------------|----------------|--------------------|------------------------|
| | | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide ^a |
| Spotted seatrout | | | | | | |
| | 1982 | | | | | |
| | Weekend | | 0.29 | | | 0.29 |
| | Weekday | 1.05 | | | | 1.05 |
| | 1983 | | | | | |
| | Weekend | | 0.87 | | | 0.87 |
| | Weekday | | 0.34 | | | 0.34 |
| | 1984 | | | | | |
| | Weekend | | 1.73 | | | 1.73 |
| | Weekday | | | | | |
| Vermilion snapper | | | | | | |
| | 1982 ^b | | | | | |
| | Weekend | | | | | |
| | Weekday | | | | | |
| | 1983 | | | | | |
| | Weekend | | | | | |
| | Weekday | | | 0.24 | | 0.24 |
| | 1984 | | | | | |
| | Weekend | | | | | |
| | Weekday | | | 0.36 | | 0.36 |
| All species combined ^a | | | | | | |
| | 1982 | | | | | |
| | Weekend | 1.59 ± 2.14 | 2.00 ± 1.90 | 2.14 ± 2.66 | 0.49 ± 1.07 | 1.66 ± 1.34 |
| | Weekday | 1.41 ± 2.68 | 4.06 ± 2.34 | 5.10 ± 2.23 | 1.56 ± 0.57 | 3.09 ± 2.09 |
| | 1983 | | | | | |
| | Weekend | 2.44 ± 1.15 | 2.46 ± 0.72 | 5.35 ± 1.59 | 1.03 ± 0.41 | 2.88 ± 1.09 |
| | Weekday | 2.16 ± 0.69 | 5.74 ± 1.02 | 6.04 ± 0.90 | 0.80 ± 0.35 | 4.61 ± 0.52 |
| | 1984 | | | | | |
| | Weekend | 3.29 ± 0.26 | 3.40 ± 0.63 | 5.19 ± 0.85 | 2.24 ± 0.57 | 3.79 ± 0.55 |
| | Weekday | 8.25 ± 1.85 | 2.91 ± 0.66 | 4.10 ± 0.84 | 2.63 ± 1.29 | 3.63 ± 0.95 |

^aIncludes "other" species.

^bMean weights are not available for this species in this year.

Table K.11. Mean weights of fishes (kg/fish) \pm 1 SE caught by private-boat fishermen in the FCZ during the low-use season by species, day type and area (1982-1985). Blank = no fish weighed.

| Species | Year | Day type | Area | | | |
|--------------------------|----------------------|----------|-----------|-----------------|----------------|--------------------|
| | | | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre |
| Atlantic croaker | | | | | | |
| | 1982-83 | | | | | |
| | Weekend | | | 0.53 \pm 0.05 | | 0.53 \pm 0.05 |
| | Weekday | 0.35 | | | | 0.35 |
| | 1983-84 | | | | | |
| | Weekend | | | 0.25 | | 0.25 |
| | Weekday | | | | | |
| | 1984-85 | | | | | |
| | Weekend | | | | | |
| | Weekday | | | | | |
| Atlantic sharpnose shark | | | | | | |
| | 1982-83 ^b | | | | | |
| | Weekend | | | | | |
| | Weekday | | | | | |
| | 1983-84 | | | | | |
| | Weekend | | | | | |
| | Weekday | | | | | |
| | 1984-85 | | | | | |
| | Weekend | | | | 7.70 | 7.70 |
| | Weekday | | | | | |
| Cobia | | | | | | |
| | 1982-83 | | | | | |
| | Weekend | | | | | |
| | Weekday | | | | | |
| | 1983-84 | | | | | |
| | Weekend | | | | | |
| | Weekday | | | | | |
| | 1984-85 | | | | | |
| | Weekend | | | | | |
| | Weekday | | | | | |
| King mackerel | | | | | | |
| | 1982-83 | | | | | |
| | Weekend | | | | | |
| | Weekday | | | | | |
| | 1983-84 | | | | | |
| | Weekend | | | | | |
| | Weekday | | | | | |
| | 1984-85 | | | | | |
| | Weekend | | | | | |
| | Weekday | | | | | |

Table K.11. (Cont'd.)

| Species | Year | Area | | | | |
|------------------|---------|-----------|-------------|----------------|--------------------|------------------------|
| | | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide ^a |
| Red drum | | | | | | |
| | 1982-83 | | | | | |
| | Weekend | | 3.15 | | | 3.15 |
| | Weekday | | | | | |
| | 1983-84 | | | | | |
| | Weekend | | 1.73 ± 0.17 | | | 1.73 ± 0.17 |
| | Weekday | | 1.31 | | | 1.31 |
| | 1984-85 | | | | | |
| | Weekend | | | | | |
| | Weekday | | | | | |
| Red snapper | | | | | | |
| | 1982-83 | | | | | |
| | Weekend | | 0.58 ± 0.06 | | | 0.58 ± 0.06 |
| | Weekday | | 0.42 | | | 0.42 |
| | 1983-84 | | | | | |
| | Weekend | | 0.77 ± 0.03 | | | 0.77 ± 0.03 |
| | Weekday | | 0.60 ± 0.10 | | | 0.60 ± 0.10 |
| | 1984-85 | | | | | |
| | Weekend | | 1.04 ± 0.17 | | 0.39 | 0.90 ± 0.22 |
| | Weekday | | | | | |
| Sand seatrout | | | | | | |
| | 1982-83 | | | | | |
| | Weekend | | 0.33 | | | 0.33 |
| | Weekday | | 0.45 | | | 0.45 |
| | 1983-84 | | | | | |
| | Weekend | | 0.38 ± 0.06 | | | 0.38 ± 0.06 |
| | Weekday | | 0.46 | | | 0.46 |
| | 1984-85 | | | | | |
| | Weekend | | 0.52 | | | 0.52 |
| | Weekday | | | | | |
| Spanish mackerel | | | | | | |
| | 1982-83 | | | | | |
| | Weekend | | | | | |
| | Weekday | | | | | |
| | 1983-84 | | | | | |
| | Weekend | | | | | |
| | Weekday | | | | | |
| | 1984-85 | | | | | |
| | Weekend | | | | | |
| | Weekday | | | | | |

Table K.11. (Cont'd.)

| Species | Area | | | | | |
|-----------------------------------|-------------|-----------|-------------|----------------|--------------------|------------------------|
| | Year | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide ^a |
| Day type | | | | | | |
| Spotted seatrout | | | | | | |
| 1982-83 | | | | | | |
| Weekend | | | | | | |
| Weekday | | | | | | |
| 1983-84 | | | | | | |
| Weekend | | | | | | |
| Weekday | | | | | | |
| 1984-85 | | | | | | |
| Weekend | | | | | | |
| Weekday | | | | | | |
| Vermilion snapper | | | | | | |
| 1982-83 ^b | | | | | | |
| Weekend | | | | | | |
| Weekday | | | | | | |
| 1983-84 | | | | | | |
| Weekend | | | | | | |
| Weekday | | | | | | |
| 1984-85 | | | | | | |
| Weekend | | | | | | |
| Weekday | | | | | | |
| All species combined ^a | | | | | | |
| 1982-83 | | | | | | |
| Weekend | | | 0.52 ± 0.40 | 2.92 | | 0.52 ± 0.40 |
| Weekday | 0.35 ± 0.00 | | 0.52 ± 0.02 | | | 0.54 ± 0.14 |
| 1983-84 | | | | | | |
| Weekend | | | 0.50 ± 0.09 | | | 0.50 ± 0.09 |
| Weekday | | | 0.58 ± 0.03 | | | 0.58 ± 0.03 |
| 1984-85 | | | | | | |
| Weekend | | | 0.91 ± 0.22 | | 3.42 ± 3.61 | 1.57 ± 1.11 |
| Weekday | | | | | | |

^aIncludes "other" species.

^bMean weights are not available for this species in this year.

Table K.12. Annual mean total lengths of fishes (mm/fish) \pm 1 SE caught by private-boat fishermen in the FCZ by species and area (1983-1985). Blank = no fish measured.

| Species Year | Area | | | | | | | | | |
|-----------------------------------|------------|----|------------|-----|----------------|----|--------------------|----|------------------------|----------------|
| | Galveston | | Matagorda | | Corpus Christi | | Lower Laguna Madre | | Coastwide ^a | |
| Atlantic croaker | | | | | | | | | | |
| 1983-84 | 236 \pm | 4 | 270 | | | | | | 241 \pm | 38 |
| 1984-85 | | | 298 \pm | 11 | 343 | | | | 307 \pm | 63 |
| Atlantic sharpnose shark | | | | | | | | | | |
| 1983-84 | 918 \pm | 3 | 940 | | 918 \pm | 10 | | | 920 \pm | 73 |
| 1984-85 | 968 \pm | 3 | 788 \pm | 44 | 1025 \pm | 23 | 1017 | | | 1003 \pm 434 |
| Cobia | | | | | | | | | | |
| 1983-84 | 1175 \pm | 97 | 995 \pm | 104 | 1163 \pm | 62 | 1040 | | | 1151 \pm 150 |
| 1984-85 | 891 | | 1198 \pm | 82 | 820 | | 921 | | | 963 \pm 452 |
| King mackerel | | | | | | | | | | |
| 1983-84 | 899 \pm | 45 | 998 \pm | 24 | 979 \pm | 22 | 837 \pm | 69 | 970 \pm | 25 |
| 1984-85 | 941 \pm | 41 | 932 \pm | 37 | 909 \pm | 9 | 875 \pm | 41 | 914 \pm | 18 |
| Red drum | | | | | | | | | | |
| 1983-84 | | | 546 \pm | 33 | | | | | 546 \pm | 33 |
| 1984-85 | 675 | | 598 \pm | 22 | | | | | 635 \pm | 217 |
| Red snapper | | | | | | | | | | |
| 1983-84 | 312 \pm | 12 | 356 \pm | 28 | 334 \pm | 20 | 350 \pm | 11 | 329 \pm | 13 |
| 1984-85 | 288 \pm | 2 | 355 \pm | 18 | 379 \pm | 42 | 367 \pm | 12 | 368 \pm | 22 |
| Sand seatrout | | | | | | | | | | |
| 1983-84 | 332 \pm | 0 | 333 \pm | 10 | | | | | 333 \pm | 5 |
| 1984-85 | 284 \pm | 14 | 356 \pm | 7 | 338 | | | | 328 \pm | 14 |
| Spanish mackerel | | | | | | | | | | |
| 1983-84 | 656 \pm | 40 | 631 \pm | 15 | 598 \pm | 28 | 687 | | | 631 \pm 47 |
| 1984-85 | 584 \pm | 4 | 502 \pm | 24 | 542 \pm | 21 | 494 | | | 563 \pm 24 |
| Spotted seatrout | | | | | | | | | | |
| 1983-84 | | | 393 \pm | 60 | | | | | 393 \pm | 60 |
| 1984-85 | | | 566 | | | | | | 566 | |
| Vermilion snapper | | | | | | | | | | |
| 1983-84 | | | | | 281 | | | | 281 | |
| 1984-85 | | | | | 319 | | | | 319 | |
| All species combined ^a | | | | | | | | | | |
| 1983-84 | 462 \pm | 45 | 507 \pm | 70 | 707 \pm | 69 | 422 \pm | 29 | 515 \pm | 47 |
| 1984-85 | 611 \pm | 22 | 539 \pm | 28 | 644 \pm | 38 | 508 \pm | 45 | 581 \pm | 29 |

^aIncludes "other" species.

Table K.13. Mean lengths of fishes (mm/fish) \pm 1 SE caught by private-boat fishermen in the FCZ during the high-use season by species, day type and area (1983-1984). Blank = no fish measured.

| Species | Area | | | | | |
|--------------------------|------------|------------|----------------|--------------------|------------------------|------------|
| | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide ^a | |
| Year | | | | | | |
| Day type | | | | | | |
| Atlantic croaker | | | | | | |
| 1983 | | | | | | |
| Weekend | 236 \pm | 4 | | | 236 \pm | 4 |
| Weekday | | | | | | |
| 1984 | | | | | | |
| Weekend | | 303 \pm | 12 | 343 | 311 \pm | 68 |
| Weekday | | 270 | | | 270 | |
| Atlantic sharpnose shark | | | | | | |
| 1983 | | | | | | |
| Weekend | 920 | 940 | 911 \pm | 18 | 919 \pm | 405 |
| Weekday | 907 | | 929 | | 911 \pm | 765 |
| 1984 | | | | | | |
| Weekend | 967 \pm | 4 | 762 | 968 | 944 \pm | 114 |
| Weekday | 971 | 920 | 1039 | | 976 \pm | 895 |
| Cobia | | | | | | |
| 1983 | | | | | | |
| Weekend | 1185 \pm | 130 | 931 \pm | 69 | 1163 \pm | 62 |
| Weekday | 1144 \pm | 199 | 1090 \pm | 280 | 1040 | 1150 \pm |
| 1984 | | | | | | |
| Weekend | 891 | 1175 \pm | 101 | 820 | | 1161 \pm |
| Weekday | | 1290 | | | 921 | 954 \pm |
| King mackerel | | | | | | |
| 1983 | | | | | | |
| Weekend | 895 \pm | 60 | 954 \pm | 27 | 1004 \pm | 36 |
| Weekday | 930 \pm | 111 | 1071 \pm | 19 | 948 \pm | 27 |
| 1984 | | | | | | |
| Weekend | 936 \pm | 43 | 934 \pm | 49 | 911 \pm | 7 |
| Weekday | 1035 | 928 \pm | 47 | 906 \pm | 19 | 837 \pm |
| Red drum | | | | | | |
| 1983 | | | | | | |
| Weekend | | 585 \pm | 135 | | | 585 \pm |
| Weekday | | 559 \pm | 148 | | | 559 \pm |
| 1984 | | | | | | |
| Weekend | 675 | 608 \pm | 28 | | | 642 \pm |
| Weekday | | 566 | | | | 566 |
| Red snapper | | | | | | |
| 1983 | | | | | | |
| Weekend | 324 \pm | 8 | 305 \pm | 29 | 326 \pm | 22 |
| Weekday | 282 \pm | 10 | 398 \pm | 35 | 366 | 358 \pm |
| Lower Laguna Madre | | | | | | |
| Coastwide ^a | | | | | | |

Table K.13. (Cont'd.)

| Species | Area | | | | | | | | | | |
|-----------------------------------|------|-----------|----|-----------|----|----------------|-----|--------------------|----|------------------------|-----|
| | Year | Galveston | | Matagorda | | Corpus Christi | | Lower Laguna Madre | | Coastwide ^a | |
| Day type | | | | | | | | | | | |
| Red snapper (cont.) | | | | | | | | | | | |
| 1984 | | | | | | | | | | | |
| Weekend | | 288 ± | 2 | 317 ± | 22 | 327 ± | 6 | 362 ± | 13 | 332 ± | 9 |
| Weekday | | | | 403 ± | 29 | 398 ± | 56 | 394 ± | 11 | 397 ± | 36 |
| Sand seatrout | | | | | | | | | | | |
| 1983 | | | | | | | | | | | |
| Weekend | | 332 ± | 0 | 335 ± | 3 | | | | | 334 ± | 1 |
| Weekday | | | | | | | | | | | |
| 1984 | | | | | | | | | | | |
| Weekend | | 284 ± | 14 | 353 ± | 11 | 338 | | | | 316 ± | 19 |
| Weekday | | | | 362 ± | 15 | | | | | 362 ± | 15 |
| Spanish mackerel | | | | | | | | | | | |
| 1983 | | | | | | | | | | | |
| Weekend | | 656 ± | 40 | 630 ± | 19 | 615 | | | | 639 ± | 182 |
| Weekday | | | | 640 | | 577 ± | 63 | 687 | | 588 ± | 121 |
| 1984 | | | | | | | | | | | |
| Weekend | | 584 ± | 4 | 524 ± | 5 | 529 ± | 22 | | | 573 ± | 5 |
| Weekday | | | | 479 ± | 33 | 570 ± | 32 | 494 | | 493 ± | 102 |
| Spotted seatrout | | | | | | | | | | | |
| 1983 | | | | | | | | | | | |
| Weekend | | | | 452 | | | | | | 452 | |
| Weekday | | | | 333 | | | | | | 333 | |
| 1984 | | | | | | | | | | | |
| Weekend | | | | 566 | | | | | | 566 | |
| Weekday | | | | | | | | | | | |
| Vermilion snapper | | | | | | | | | | | |
| 1983 | | | | | | | | | | | |
| Weekend | | | | | | | | | | | |
| Weekday | | | | | | 281 | | | | 281 | |
| 1984 | | | | | | | | | | | |
| Weekend | | | | | | | | | | | |
| Weekday | | | | | | 319 | | | | 319 | |
| All species combined ^a | | | | | | | | | | | |
| 1983 | | | | | | | | | | | |
| Weekend | | 467 ± | 61 | 510 ± | 50 | 675 ± | 108 | 407 ± | 37 | 515 ± | 60 |
| Weekday | | 445 ± | 25 | 518 ± | 52 | 761 ± | 74 | 455 ± | 43 | 508 ± | 34 |
| 1984 | | | | | | | | | | | |
| Weekend | | 601 ± | 25 | 574 ± | 43 | 682 ± | 42 | 478 ± | 40 | 611 ± | 33 |
| Weekday | | 948 ± | 87 | 548 ± | 42 | 616 ± | 48 | 532 ± | 93 | 594 ± | 48 |

^aIncludes "other" species.

Table K.14. Mean total lengths of fishes (mm/fish) \pm 1 SE caught by private-boat fishermen in the FCZ during the low-use season by species, day type and area (1983-1985). Blank = no fish measured.

| Species | Year | Day type | Area | | | |
|--------------------------|---------|----------|-----------|--------------|----------------|---|
| | | | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre Coastwide ^A |
| Atlantic croaker | | | | | | |
| | 1983-84 | | | | | |
| | Weekend | | | 270 | | 270 |
| | Weekday | | | | | |
| | 1984-85 | | | | | |
| | Weekend | | | | | |
| | Weekday | | | | | |
| Atlantic sharpnose shark | | | | | | |
| | 1983-84 | | | | | |
| | Weekend | | | | | |
| | Weekday | | | | | |
| | 1984-85 | | | | | |
| | Weekend | | | | | |
| | Weekday | | | | 1017 | 1017 |
| Cobia | | | | | | |
| | 1983-84 | | | | | |
| | Weekend | | | | | |
| | Weekday | | | | | |
| | 1984-85 | | | | | |
| | Weekend | | | | | |
| | Weekday | | | | | |
| King mackerel | | | | | | |
| | 1983-84 | | | | | |
| | Weekend | | | | | |
| | Weekday | | | | | |
| | 1984-85 | | | | | |
| | Weekend | | | | | |
| | Weekday | | | | | |
| Red drum | | | | | | |
| | 1983-84 | | | | | |
| | Weekend | | | 544 \pm 18 | | 544 \pm 18 |
| | Weekday | | | 498 | | 498 |
| | 1984-85 | | | | | |
| | Weekend | | | | | |
| | Weekday | | | | | |
| Red snapper | | | | | | |
| | 1983-84 | | | | | |
| | Weekend | | | 371 \pm 1 | | 371 \pm 1 |
| | Weekday | | | 324 \pm 2 | | 324 \pm 2 |

Table K.14. (Cont'd.)

| Species | Year | Area | | | | |
|-----------------------------------|----------|-----------|-----------|----------------|--------------------|------------------------|
| | | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide ^a |
| | Day type | | | | | |
| Red snapper (cont.) | | | | | | |
| | 1984-85 | | | | | |
| | Weekend | | 372 ± 14 | | 310 | 358 ± 65 |
| | Weekday | | | | | |
| Sand seatrout | | | | | | |
| | 1983-84 | | | | | |
| | Weekend | | 324 ± 15 | | | 324 ± 15 |
| | Weekday | | 348 | | | 348 |
| | 1984-85 | | | | | |
| | Weekend | | 362 | | | 362 |
| | Weekday | | | | | |
| Spanish mackerel | | | | | | |
| | 1983-84 | | | | | |
| | Weekend | | | | | |
| | Weekday | | | | | |
| | 1984-85 | | | | | |
| | Weekend | | | | | |
| | Weekday | | | | | |
| Spotted seatrout | | | | | | |
| | 1983-84 | | | | | |
| | Weekend | | | | | |
| | Weekday | | | | | |
| | 1984-85 | | | | | |
| | Weekend | | | | | |
| | Weekday | | | | | |
| Vermilion snapper | | | | | | |
| | 1983-84 | | | | | |
| | Weekend | | | | | |
| | Weekday | | | | | |
| | 1984-85 | | | | | |
| | Weekend | | | | | |
| | Weekday | | | | | |
| All species combined ^a | | | | | | |
| | 1983-84 | | | | | |
| | Weekend | | 555 ± 238 | | | 555 ± 238 |
| | Weekday | | 357 ± 4 | | | 357 ± 4 |
| | 1984-85 | | | | | |
| | Weekend | | 407 ± 13 | | 606 ± 347 | 467 ± 79 |
| | Weekday | | 416 | | | 416 |

^aIncludes "other" species.

Table K.15. Percent composition of "other" species caught by private-boat fishermen in the FCZ by area, season and day type (1983 - 1985).

| Year | Season | Day type | Common name | Scientific name | Area | | | | |
|---------|----------|----------|--------------------|------------------------------------|-----------|-----------|----------------|--------------------|-----------|
| | | | | | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide |
| 1983-84 | High use | Weekend | Atlantic bonito | <u>Sarda sarda</u> | | 2.06 | | | 0.69 |
| | | | Atlantic spadefish | <u>Chaetodipterus faber</u> | 1.92 | | | | 0.69 |
| | | | Great barracuda | <u>Sphyraena barracuda</u> | | | 1.18 | | 0.34 |
| | | | Black drum | <u>Pogonias cromis</u> | 0.96 | 1.03 | | | 0.69 |
| | | | Blue fish | <u>Pomatomus saltatrix</u> | 10.58 | 1.03 | | | 4.12 |
| | | | Blue runner | <u>Caranx crysos</u> | 26.92 | 4.12 | 2.35 | | 11.68 |
| | | | Crevalle jack | <u>Caranx hippos</u> | 1.92 | 6.19 | 12.94 | | 6.53 |
| | | | Dolphin | <u>Coryphaena hippurus</u> | 43.27 | 25.77 | 11.76 | | 27.49 |
| | | | Gray triggerfish | <u>Balistes capriscus</u> | | 11.34 | 4.71 | | 5.15 |
| | | | Greater amberjack | <u>Seriola dumerili</u> | 1.92 | 18.56 | | | 6.87 |
| | | | Gulf kingfish | <u>Menticirrhus littoralis</u> | 0.96 | | 2.35 | | 1.03 |
| | | | Little tunny | <u>Euthynnus alletteratus</u> | 0.96 | | 8.24 | | 2.75 |
| | | | Mackerels sp. | Family Scombridae | | | 2.35 | | 0.69 |
| | | | Ocellated flounder | <u>Ancylopsetta quadrocellata</u> | 0.96 | | | | 0.34 |
| | | | Pigfish | <u>Orthopristis chrysoptera</u> | | | 2.35 | | 0.69 |
| | | | Pinfish | <u>Lagodon rhomboides</u> | | | 2.35 | | 0.69 |
| | | | Rainbow runner | <u>Elagalis bipinnulata</u> | | 1.03 | 1.18 | | 0.69 |
| | | | Remora sp. | Family Echeneidae | 0.96 | | | | 0.34 |
| | | | Sailfish | <u>Istiophorus platypterus</u> | | | 2.35 | | 0.69 |
| | | | Seabasses sp. | | | | | | |
| | | | Rock hind | <u>Epinephelus adscensionis</u> | | | 3.53 | | 1.03 |
| | | | Rock sea bass | <u>Centropristis philadelphica</u> | | | 10.59 | | 3.09 |
| | | | Snowy grouper | <u>Epinephelus niveatus</u> | | | 1.18 | | 0.34 |
| | | | Warsaw grouper | <u>Epinephelus nigritus</u> | 0.96 | 1.03 | 1.18 | | 0.69 |
| | | | Sharks sp. | | | | | | |
| | | | Blacktip shark | <u>Carcharhinus limbatus</u> | | 1.03 | 1.18 | 40.00 | 1.37 |
| | | | Dusky shark | <u>Carcharhinus obscurus</u> | | | 3.53 | | 1.03 |
| | | | Requiem sharks | Family Carcharhinidae | | | 15.29 | | 4.47 |
| | | | Spinner shark | <u>Carcharhinus brevipinna</u> | | | 1.18 | | 0.34 |
| | | | Sheepshead | <u>Archosargus probatocephalus</u> | | 15.46 | | | 5.15 |
| | | | Silver seatrout | <u>Cynoscion nothus</u> | | | | 40.00 | 0.69 |

Table K.15. (Cont'd.)

| Year Season Day type | Common name | Scientific name | Area | | | |
|----------------------------|--------------------|------------------------------------|-----------|-----------|----------------|---------------------------------|
| | | | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre Coastwide |
| | Snapper sp. | | | | | |
| | Gray snapper | <u>Lutjanus griseus</u> | | | 4.71 | 1.37 |
| | Lane snapper | <u>Lutjanus synagris</u> | 6.73 | | 1.18 | 2.75 |
| | Southern kingfish | <u>Menticirrhus americanus</u> | 0.96 | 11.34 | | 4.12 |
| | Wahoo | <u>Acanthocybium solanderi</u> | | | 3.53 | 1.03 |
| Weekday | Atlantic bonito | <u>Sarda sarda</u> | | 3.70 | | 36.36 3.95 |
| | Atlantic spadefish | <u>Chaetodipterus faber</u> | 42.11 | | | 9.04 |
| | Great barracuda | <u>Sphyræna barracuda</u> | | | | 9.09 0.56 |
| | Black drum | <u>Pogonius cromis</u> | 15.79 | | | 3.39 |
| | Blue fish | <u>Pomatomus saltatrix</u> | 7.89 | | | 1.69 |
| | Blue runner | <u>Caranx crysos</u> | 10.53 | 9.88 | | 18.18 7.91 |
| | Cero | <u>Scomberomorus regalis</u> | | 1.23 | | 0.56 |
| | Crevalle jack | <u>Caranx hippos</u> | 2.63 | | 6.38 | 2.26 |
| | Dolphin | <u>Coryphaena hippurus</u> | 2.63 | 44.44 | 53.19 | 27.27 36.72 |
| | Gray triggerfish | <u>Balistes capriscus</u> | | 2.47 | | 1.13 |
| | Greater amberjack | <u>Seriola dumerili</u> | | 8.64 | | 3.95 |
| | Hardhead | <u>Arius felis</u> | 2.63 | | | 0.56 |
| | Ladyfish | <u>Elops saurus</u> | | 1.23 | | 0.56 |
| | Little tunny | <u>Euthynnus alletteratus</u> | | 1.23 | 21.28 | 6.21 |
| | Pigfish | <u>Orthopristis chrysoptera</u> | | 2.63 | | 0.56 |
| | Pinfish | <u>Lagodon rhomboides</u> | | 2.63 | 1.23 | 1.13 |
| | Sailfish | <u>Istiophorus platyperus</u> | | | 2.13 | 0.56 |
| | Seabasses sp. | Family Serranidae | | | 2.13 | 0.56 |
| | Scamp | <u>Mycteroperca phenax</u> | | 1.23 | | 0.56 |
| | Warsaw | <u>Epinephelus nigritus</u> | 2.63 | 2.47 | | 1.69 |
| | Shark sp. | | | | | |
| | Blacktip shark | <u>Carcharhinus limbatus</u> | | 6.17 | 4.26 | 3.95 |
| | Dusky shark | <u>Carcharhinus obscurus</u> | | | 8.51 | 2.26 |
| | Sandbar shark | <u>Carcharhinus plumbeus</u> | | | | 9.09 0.56 |
| | Spinner shark | <u>Carcharhinus brevipinna</u> | | 3.70 | | 1.69 |
| | Sheepshead | <u>Archosargus probatocephalus</u> | 7.89 | 11.11 | | 6.78 |

Table K.15. (Cont'd.)

| Year Season Day type | Common name | Scientific name | Area | | | | | |
|----------------------------|--------------------|---------------------------------|-----------|-----------|----------------|--------------------|-----------|-------|
| | | | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide | |
| | Snapper sp. | | | | | | | |
| | Lane snapper | <u>Lutjanus synagrus</u> | | 1.23 | | | | 0.56 |
| | Southern flounder | <u>Paralichthys lethostigma</u> | | | 2.13 | | | 0.56 |
| Low use | | | | | | | | |
| Weekend | Black drum | <u>Pogonius cromis</u> | | 22.73 | | | | 22.73 |
| | Gulf kingfish | <u>Menticirrhus littoralis</u> | | 34.09 | | | | 34.09 |
| | Pigfish | <u>Orthopristis chrysoptera</u> | | 4.55 | | | | 4.55 |
| | Pinfish | <u>Lagodon rhomboides</u> | | 4.55 | | | | 4.55 |
| | Seabasses sp. | | | | | | | |
| | Rock hind | <u>Epinephelus adscensionis</u> | | 4.55 | | | | 4.55 |
| | Warsaw grouper | <u>Epinephelus nigritus</u> | | 4.55 | | | | 4.55 |
| | Silver seatrout | <u>Cynoscion nothus</u> | | 15.91 | | | | 15.91 |
| | Southern kingfish | <u>Menticirrhus americanus</u> | | 9.09 | | | | 9.09 |
| Weekday | Gulf kingfish | <u>Menticirrhus littoralis</u> | | 85.71 | | | | 85.71 |
| | Seabasses sp. | | | | | | | |
| | Warsaw | <u>Epinephelus nigritus</u> | | 14.29 | | | | 14.29 |
| 1984-85 | | | | | | | | |
| High use | | | | | | | | |
| Weekend | Atlantic bonito | <u>Sarda sarda</u> | | 6.88 | | | | 3.53 |
| | Atlantic spadefish | <u>Chaetodipterus faber</u> | | 7.94 | | 12.77 | | 7.34 |
| | Barracuda | <u>Sphyraena barracuda</u> | | 1.59 | | 1.06 | 3.85 | 1.36 |
| | Blackfin tuna | <u>Thunnus atlanticus</u> | | 0.53 | | | 19.23 | 1.63 |
| | Black drum | <u>Pogonius cromis</u> | 3.39 | 24.87 | | | | 13.32 |
| | Bluefish | <u>Pomatomus saltatrix</u> | 76.27 | 6.35 | | | | 15.49 |
| | Blue runner | <u>Caranx crysos</u> | | 2.65 | | 10.64 | | 4.08 |
| | Cero | <u>Scomberomorus regalis</u> | | 0.53 | | | | 0.27 |
| | Crevalle jack | <u>Caranx hippos</u> | | 2.65 | | 6.38 | | 2.99 |
| | Dolphin | <u>Coryphaena hippurus</u> | 1.69 | 16.40 | | 40.43 | 30.77 | 21.20 |
| | Gray triggerfish | <u>Balistes capriscus</u> | | 3.70 | | | 3.85 | 2.17 |
| | Greater amberjack | <u>Seriola dumerilli</u> | | 4.23 | | 5.32 | | 3.53 |
| | Harvest fish | <u>Peprilus alepidotus</u> | | 0.53 | | | | 1.09 |

Table K.15. (Cont'd.)

| Year Season | Day type | Common name | Scientific name | Area | | | Coastwide | |
|----------------|----------|--------------------|------------------------------------|-----------|-----------|----------------|-----------|--------------------|
| | | | | Galveston | Matagorda | Corpus Christi | | Lower Laguna Madre |
| | | Jacks sp. | Family Carangidae | | | 1.06 | | 0.27 |
| | | Ladyfish | <u>Elops saurus</u> | 0.53 | | | | 0.27 |
| | | Little tunny | <u>Euthynnus alletteratus</u> | | 1.06 | 7.45 | 23.08 | 4.08 |
| | | Pigfish | <u>Orthopristis chrysoptera</u> | | 1.06 | 3.19 | | 1.36 |
| | | Pinfish | <u>Lagodon rhomboides</u> | | 0.53 | | | 0.27 |
| | | Pompano dolphin | <u>Coryphaena equisetts</u> | | 2.12 | | | 1.09 |
| | | Sailfish | <u>Istiophorus platyperus</u> | | 0.53 | | 3.85 | 0.54 |
| | | Seabasses sp. | Family Serranidae | | 1.06 | | | 0.54 |
| | | Red hind | <u>Epinephelus guttatus</u> | | | 1.06 | | 0.27 |
| | | Rock hind | <u>Epinephelus adscensionis</u> | 3.39 | | | | 0.54 |
| | | Sharks sp. | | | | | | |
| | | Blacktip shark | <u>Carcharhinus limbatus</u> | 1.69 | 0.53 | 7.45 | | 2.45 |
| | | Finetooth shark | <u>Carcharhinus isodon</u> | | 0.53 | | | 0.27 |
| | | Requiem sharks | Family Carcharhinidae | | | 2.13 | | 0.54 |
| | | Smalltail shark | <u>Carcharhinus porosus</u> | | 0.53 | | | 0.27 |
| | | Sheepshead | <u>Archosargus probatocephalus</u> | 6.78 | | | 7.69 | 1.63 |
| | | Silver seatrout | <u>Cynoscion nothus</u> | 5.08 | 8.47 | | | 5.16 |
| | | Snapper sp. | | | | | | |
| | | Lane snapper | <u>Lutjanus synagris</u> | 1.69 | 1.59 | | | 1.09 |
| | | Southern flounder | <u>Paralichthys lethostigma</u> | | 0.53 | | | 0.27 |
| | | Southern kingfish | <u>Menticirrhus americanus</u> | | 0.53 | | | 0.27 |
| | | Southern stingray | <u>Dasyatis americana</u> | | 0.53 | | | 0.27 |
| | | Wahoo | <u>Ancanthocybium solanderi</u> | | | 1.06 | | 0.27 |
| | | White marlin | <u>Tetrapturus albidus</u> | | | | 3.85 | 0.27 |
| | | Yellowfin tuna | <u>Thunnus albacores</u> | | | | 3.85 | 0.27 |
| | Weekday | Atlantic bonita | <u>Sarda sarda</u> | | 16.67 | | | 4.09 |
| | | Atlantic spadefish | <u>Chaetodipterus faber</u> | 57.14 | | | | 1.82 |
| | | Great barracuda | <u>Sphyraena barracuda</u> | | 3.70 | 0.98 | | 1.36 |
| | | Blackfin tuna | <u>Thunnus atlanticus</u> | | | | 3.15 | 0.91 |
| | | Blue fish | <u>Pomatomus saltatrix</u> | | 1.85 | | 1.75 | 0.91 |
| | | Blue runner | <u>Caranx crysos</u> | | 3.70 | | 12.28 | 4.09 |
| | | Crevalle jack | <u>Caranx hippos</u> | | | 2.94 | | 1.36 |
| | | Dolphin | <u>Coryphaena hippurus</u> | 14.29 | 27.78 | 50.00 | 1.75 | 30.91 |

Table K.15. (Cont'd.)

| Year | Season | Day type | Common name | Scientific name | Area | | | Coastwide |
|------|---------|----------|----------------------|------------------------------------|-----------|-----------|----------------|-----------|
| | | | | | Galveston | Matagorda | Corpus Christi | |
| | | | Greater amberjack | <u>Seriola dumerili</u> | | 9.26 | 19.61 | 11.36 |
| | | | Little tunny | <u>Euthynnus alletteratus</u> | 14.29 | 5.56 | 11.76 | 12.27 |
| | | | Pompano dolphin | <u>Coryphaena equisetis</u> | | 12.96 | | 3.64 |
| | | | Rainbow runner | <u>Elagatis bipinnulata</u> | | 12.96 | | 3.18 |
| | | | Seabasses sp. | Family Serranidae | | 3.70 | | 0.91 |
| | | | Rock hind | <u>Epinephelus adscensionis</u> | | 1.85 | 0.98 | 0.91 |
| | | | Rock seabass | <u>Centropristis philadelphica</u> | | | 0.98 | 0.45 |
| | | | Warsaw | <u>Epinephelus nigritus</u> | | | | 1.75 |
| | | | Sharks sp. | | | | | |
| | | | Scalloped hammerhead | <u>Sphynna lewini</u> | | | | 1.75 |
| | | | Sheepshead | <u>Archosargus probatocephalus</u> | 14.29 | | | 0.45 |
| | | | Silver seatrout | <u>Cynoscion nothus</u> | | | | 52.63 |
| | | | Snapper sp. | | | | | |
| | | | Lane snapper | <u>Lutjanus synagrus</u> | | | 0.98 | 0.45 |
| | | | Southern flounder | <u>Paralichthys lethostigma</u> | | | 9.80 | 3.51 |
| | | | Tarpon | <u>Megalops atlanticus</u> | | | 0.98 | 0.45 |
| | | | Tontate | <u>Haemulon aurolineatum</u> | | | 0.98 | 0.45 |
| | Low use | | | | | | | |
| | Weekend | | Atlantic bonita | <u>Sarda sarda</u> | | 1.54 | | 1.43 |
| | | | Black drum | <u>Pogonius cromis</u> | | 18.46 | | 17.14 |
| | | | Dolphin | <u>Coryphaena hippurus</u> | | 78.46 | | 72.86 |
| | | | Gray triggerfish | <u>Balistes capriscus</u> | | | | 40.00 |
| | | | Seabasses sp. | | | | | |
| | | | Gag | <u>Mycteroperca microlepis</u> | | 1.54 | | 1.43 |
| | | | Silver seatrout | <u>Cynoscion nothus</u> | | | | 60.00 |
| | Weekday | | Silver seatrout | <u>Cynoscion nothus</u> | | 95.35 | | 95.35 |
| | | | Southern kingfish | <u>Menticirrhus americanus</u> | | 4.65 | | 4.65 |

Table K.16. Percent composition of the annual residential origin of private-boat fishermen in the FCZ by area (1982-85).

| Area Year ^a | Adjacent coastal counties | Non-adjacent coastal counties | Non-coastal counties | Other states and countries |
|---------------------------|------------------------------|----------------------------------|-------------------------|-------------------------------|
| Galveston | | | | |
| 1982-83 | 100 | 0 | 0 | 0 |
| 1983-84 | 87 | 0 | 10 | 3 |
| 1984-85 | 93 | 7 | 0 | 0 |
| Matagorda | | | | |
| 1982-83 | 65 | 24 | 11 | 0 |
| 1983-84 | 32 | 24 | 41 | 3 |
| 1984-85 | 49 | 17 | 33 | 0 |
| Corpus Christi | | | | |
| 1982-83 | 39 | 33 | 27 | 1 |
| 1983-84 | 20 | 31 | 45 | 3 |
| 1984-85 | 18 | 17 | 62 | 2 |
| Lower Laguna Madre | | | | |
| 1982-83 | 82 | 6 | 12 | 0 |
| 1983-84 | 45 | 8 | 45 | 3 |
| 1984-85 | 72 | 4 | 14 | 10 |
| Coastwide | | | | |
| 1982-83 | 64 | 19 | 17 | 0 |
| 1983-84 | 36 | 22 | 39 | 3 |
| 1984-85 | 38 | 17 | 44 | 1 |

^aPrior to May 1983 all fishermen in a fishing party were assigned to the boat owner's residence.

Table K.17. Percent composition of the residential origin of private-boat fishermen in the FCZ during the high use season by area and day type (1982-1985).

| Area Year ^a | Weekend | | | | Weekday | | | |
|---------------------------|---------------------------|-------------------------------|----------------------|------------------------|---------------------------|-------------------------------|----------------------|------------------------|
| | Adjacent coastal counties | Non-adjacent coastal counties | Non-coastal counties | Other states/countries | Adjacent coastal counties | Non-adjacent coastal counties | Non-coastal counties | Other states/countries |
| Galveston | | | | | | | | |
| 1982-83 | 100 | 0 | 0 | 0 | 100 | 0 | 0 | 0 |
| 1983-84 | 84 | 0 | 12 | 4 | 100 | 0 | 0 | 0 |
| 1984-85 | 90 | 10 | 0 | 0 | 100 | 0 | 0 | 0 |
| Matagorda | | | | | | | | |
| 1982-83 | 46 | 30 | 24 | 0 | 47 | 35 | 18 | 0 |
| 1983-84 | 30 | 30 | 38 | 2 | 34 | 10 | 49 | 7 |
| 1984-85 | 45 | 16 | 38 | 0 | 65 | 14 | 20 | 1 |
| Corpus Christi | | | | | | | | |
| 1982-83 | 22 | 21 | 56 | 1 | 33 | 12 | 54 | 2 |
| 1983-84 | 21 | 36 | 42 | 3 | 17 | 19 | 56 | 8 |
| 1984-85 | 21 | 17 | 61 | 0 | 14 | 17 | 64 | 5 |
| Lower Laguna Madre | | | | | | | | |
| 1982-83 | 94 | 6 | 0 | 0 | 70 | 5 | 24 | 0 |
| 1983-84 | 47 | 10 | 40 | 3 | 29 | 0 | 71 | 0 |
| 1984-85 | 81 | 5 | 11 | 2 | 52 | 0 | 12 | 37 |
| Coastwide | | | | | | | | |
| 1982-83 | 47 | 20 | 32 | 0 | 46 | 18 | 35 | 1 |
| 1983-84 | 37 | 25 | 35 | 2 | 33 | 13 | 49 | 6 |
| 1984-85 | 40 | 16 | 44 | 0 | 34 | 16 | 46 | 4 |

^aPrior to May 1983 all fishermen in a fishing party were assigned to the boat owner's residence.

Table K.18. Percent composition of the residential origin of private-boat fishermen in the FCZ during the low-use season by area and day type (1982-1985). Blank = no fishermen interviewed.

| Area Year ^a | Weekend | | | | Weekday | | | |
|---------------------------|---------------------------|-------------------------------|----------------------|------------------------|---------------------------|-------------------------------|----------------------|------------------------|
| | Adjacent coastal counties | Non-adjacent coastal counties | Non-coastal counties | Other states/countries | Adjacent coastal counties | Non-adjacent coastal counties | Non-coastal counties | Other states/countries |
| Galveston | | | | | | | | |
| 1982-83 | | | | | 100 | 0 | 0 | 0 |
| 1983-84 | | | | | | | | |
| 1984-85 | | | | | | | | |
| Matagorda | | | | | | | | |
| 1982-83 | 89 | 11 | 0 | 0 | 78 | 22 | 0 | 0 |
| 1983-84 | 37 | 31 | 32 | 0 | 20 | 0 | 80 | 0 |
| 1984-85 | 27 | 45 | 27 | 0 | 100 | 0 | 0 | 0 |
| Corpus Christi | | | | | | | | |
| 1982-83 | 100 | 0 | 0 | 0 | 100 | 0 | 0 | 0 |
| 1983-84 | | | | | | | | |
| 1984-85 | | | | | | | | |
| Lower Laguna Madre | | | | | | | | |
| 1982-83 | | | | | | | | |
| 1983-84 | 100 | 0 | 0 | 0 | | | | |
| 1984-85 | 100 | 0 | 0 | 0 | | | | |
| Coastwide | | | | | | | | |
| 1982-83 | 76 | 24 | 0 | 0 | 86 | 14 | 0 | 0 |
| 1983-84 | 40 | 29 | 31 | 0 | 20 | 0 | 80 | 0 |
| 1984-85 | 47 | 33 | 20 | 0 | 100 | 0 | 0 | 0 |

^aPrior to May 1983 all fishermen in a fishing party were assigned to the boat owner's residence.

Table K.19. Mean fishing-party size (No. of fishermen) and mean trip length (h) for private-boat fishermen in the FCZ by area, season and day type (1982-1985). Blank = no fishermen interviewed.

| Area Year | Mean fishing-party size | | | | | Mean trip length | | | | |
|--------------------|-------------------------|---------|----------------|---------|--------|------------------|---------|----------------|---------|--------|
| | High-use season | | Low-use season | | Annual | High-use season | | Low-use season | | Annual |
| | Weekend | Weekday | Weekend | Weekday | | Weekend | Weekday | Weekend | Weekday | |
| Galveston | | | | | | | | | | |
| 1982-83 | 3.0 | 3.5 | | 1.7 | 3.1 | 8.1 | 7.2 | | 8.2 | 7.0 |
| 1983-84 | 3.2 | 2.6 | | | 3.0 | 9.1 | 9.5 | | | 9.2 |
| 1984-85 | 3.3 | 2.4 | | | 3.0 | 7.0 | 7.1 | | | 7.0 |
| Matagorda | | | | | | | | | | |
| 1982-83 | 3.2 | 3.1 | 2.6 | 2.6 | 3.1 | 7.9 | 8.8 | 7.6 | 7.9 | 8.1 |
| 1983-84 | 3.2 | 3.0 | 3.1 | 2.5 | 3.1 | 7.6 | 8.2 | 6.6 | 8.2 | 7.6 |
| 1984-85 | 3.1 | 2.5 | 2.9 | 2.9 | 2.8 | 8.0 | 6.5 | 5.6 | 5.4 | 7.1 |
| Corpus Christi | | | | | | | | | | |
| 1982-83 | 3.2 | 3.2 | 3.0 | 2.5 | 3.2 | 7.0 | 7.2 | 11.5 | 6.3 | 7.1 |
| 1983-84 | 3.4 | 2.8 | | | 3.2 | 7.9 | 7.2 | | | 7.7 |
| 1984-85 | 3.4 | 3.1 | | | 3.3 | 7.1 | 6.7 | | | 6.9 |
| Lower Laguna Madre | | | | | | | | | | |
| 1982-83 | 3.5 | 3.1 | | | 3.3 | 7.5 | 8.7 | | | 8.0 |
| 1983-84 | 2.6 | 2.4 | 3.0 | | 3.0 | 7.9 | 7.4 | 10.0 | | 7.8 |
| 1984-85 | 3.5 | 2.8 | 2.7 | | 3.3 | 7.8 | 6.8 | 7.5 | | 7.5 |
| Coastwide | | | | | | | | | | |
| 1982-83 | 3.2 | 3.2 | 2.7 | 2.4 | 3.2 | 7.4 | 7.8 | 8.1 | 7.7 | 7.6 |
| 1983-84 | 3.2 | 2.9 | 3.1 | 2.5 | 3.1 | 8.0 | 7.9 | 6.8 | 8.2 | 7.9 |
| 1984-85 | 3.4 | 3.0 | 2.7 | 1.0 | 3.2 | 7.4 | 7.1 | 7.0 | 4.0 | 7.3 |

Appendix L: Estimates for party-boat fishing in the Fishery Conservation Zone (FCZ) off Texas.

Table L.1. Number of days surveyed and number of party-boat fishermen interviewed () in the FCZ by season, day type and area (1983-1985). WE = weekend days. WD = weekdays.

| Year Season Day type | Area | | | | |
|----------------------------|-----------|-----------|----------------|--------------------|-----------|
| | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide |
| 1983-84 | | | | | |
| High use | | | | | |
| WE | 32 (10) | 45 (4) | 45 (35) | 31 (17) | 153 (66) |
| WD | 63 (0) | 83 (6) | 96 (33) | 66 (18) | 308 (57) |
| Low use | | | | | |
| WE | 12 (0) | 24 (0) | 20 (0) | 12 (0) | 68 (0) |
| WD | 24 (0) | 40 (0) | 41 (0) | 24 (0) | 129 (0) |
| Annual | 131 (10) | 192 (10) | 202 (68) | 133 (35) | 658 (123) |
| 1984-85 | | | | | |
| High use | | | | | |
| WE | 31 (0) | 39 (6) | 41 (35) | 31 (5) | 142 (46) |
| WD | 65 (0) | 87 (0) | 95 (33) | 66 (19) | 313 (52) |
| Low use | | | | | |
| WE | 12 (0) | 19 (0) | 21 (0) | 12 (7) | 64 (7) |
| WD | 24 (0) | 41 (0) | 42 (0) | 24 (0) | 131 (0) |
| Annual | 132 (0) | 186 (6) | 199 (68) | 133 (31) | 650 (105) |

Table L.2. Pressure estimates (man-h x 1000) \pm 1 SE for party-boat fishermen in the FCZ by season, day type and area (1983-1985).

| Area Year | High-use season | | Low-use season | | Annual ^a |
|------------------------|-----------------|-----------------|----------------|---------|---------------------|
| | Weekend | Weekday | Weekend | Weekday | |
| Galveston | | | | | |
| 1983-84 | 8.3 \pm 5.9 | 0.0 | 0.0 | 0.0 | 8.3 \pm 5.9 |
| 1984-85 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Matagorda | | | | | |
| 1983-84 | 1.3 \pm 1.3 | 0.4 \pm 0.4 | 0.0 | 0.0 | 1.7 \pm 1.4 |
| 1984-85 | 0.5 \pm 0.5 | 0.0 | 0.0 | 0.0 | 0.5 \pm 0.5 |
| Corpus Christi | | | | | |
| 1983-84 | 20.8 \pm 16.7 | 80.3 \pm 42.8 | 0.0 | 0.0 | 101.1 \pm 45.9 |
| 1984-85 | 14.5 \pm 6.7 | 6.8 \pm 3.3 | 0.0 | 0.0 | 21.2 \pm 7.5 |
| Lower Laguna Madre | | | | | |
| 1983-84 | 1.5 \pm 0.7 | 4.5 \pm 3.3 | 0.0 | 0.0 | 6.0 \pm 3.4 |
| 1984-85 | 0.2 \pm 0.2 | 4.5 \pm 3.2 | 3.5 \pm 3.5 | 0.0 | 8.2 \pm 4.8 |
| Coastwide ^a | | | | | |
| 1983-84 | 31.9 \pm 17.8 | 85.2 \pm 42.9 | 0.0 | 0.0 | 117.1 \pm 46.4 |
| 1984-85 | 15.2 \pm 6.7 | 11.3 \pm 4.6 | 3.5 \pm 3.5 | 0.0 | 30.0 \pm 8.9 |

^aDue to rounding of numbers, these totals may not exactly equal individual totals.

Table L.3. Annual estimated landings of fishes (No. x 1000) \pm 1 SE caught by party-boat fishermen in the FCZ by species and area (1983-1985).

| Species Year | Area | | | | |
|--------------------------|---------------|---------------|-----------------|--------------------|------------------------|
| | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide ^a |
| Atlantic croaker | | | | | |
| 1983-84 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984-85 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Atlantic sharpnose shark | | | | | |
| 1983-84 | 0.0 | 0.0 | 0.4 \pm 0.4 | 0.0 | 0.4 \pm 0.4 |
| 1984-85 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Cobia | | | | | |
| 1983-84 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984-85 | 0.0 | 0.0 | <.1 \pm <.1 | 0.0 | <.1 \pm <.1 |
| King mackerel | | | | | |
| 1983-84 | 1.6 \pm 1.6 | 0.1 \pm 0.1 | 11.7 \pm 5.6 | 0.2 \pm 0.1 | 13.5 \pm 7.4 |
| 1984-85 | 0.0 | <.1 \pm <.1 | 4.2 \pm 2.2 | <.1 \pm <.1 | 4.2 \pm 4.2 |
| Red drum | | | | | |
| 1983-84 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984-85 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Red snapper | | | | | |
| 1983-84 | 0.0 | <.1 \pm <.1 | 0.0 | 3.3 \pm 2.0 | 3.3 \pm 2.0 |
| 1984-85 | 0.0 | 0.0 | 0.0 | 0.2 \pm 0.2 | 0.2 \pm 0.2 |
| Sand seatrout | | | | | |
| 1983-84 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984-85 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Spanish mackerel | | | | | |
| 1983-84 | 0.3 \pm 0.3 | 0.0 | 0.2 \pm 0.2 | 0.0 | 0.5 \pm 0.3 |
| 1984-85 | 0.0 | 0.0 | 0.0 | <.1 \pm <.1 | <.1 \pm <.1 |
| Spotted seatrout | | | | | |
| 1983-84 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984-85 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Vermilion snapper | | | | | |
| 1983-84 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984-85 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Other species | | | | | |
| 1983-84 | 0.2 \pm 0.2 | <.1 \pm <.1 | 14.8 \pm 12.1 | 0.8 \pm 0.4 | 15.8 \pm 12.1 |
| 1984-85 | 0.0 | <.1 \pm <.1 | 0.8 \pm 0.3 | 1.4 \pm 0.9 | 2.1 \pm 1.0 |

Table L.3. (Cont'd.)

| Species Year | Area | | | | |
|-----------------------------------|-----------|-----------|-------------------|-----------------------|------------------------|
| | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide ^a |
| All species combined ^a | | | | | |
| 1983-84 | 2.1 ± 2.0 | 0.1 ± 0.1 | 27.0 ± 14.5 | 4.3 ± 2.1 | 33.5 ± 14.8 |
| 1984-85 | 0.0 | 0.1 ± 0.1 | 5.0 ± 2.4 | 1.6 ± 1.0 | 6.6 ± 2.6 |

^aDue to rounding of numbers, these totals may not exactly equal individual totals.

Table L.4. Estimated landings of fishes (No. x 1000) \pm 1 SE caught by party-boat fishermen in the FCZ during the high-use season by species, day type and area (1983-1984).

| Species | Year | Area | | | | |
|--------------------------|---------|---------------|---------------|----------------|--------------------|------------------------|
| | | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide ^a |
| Atlantic croaker | | | | | | |
| | 1983 | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 1984 | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Atlantic sharpnose shark | | | | | | |
| | 1983 | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.4 \pm 0.4 | 0.0 | 0.4 \pm 0.4 |
| | 1984 | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Cobia | | | | | | |
| | 1983 | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 1984 | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | <.1 \pm <.1 | 0.0 | <.1 \pm <.1 |
| King mackerel | | | | | | |
| | 1983 | | | | | |
| | Weekend | 1.6 \pm 1.6 | 0.0 | 2.0 \pm 1.7 | <.1 \pm <.1 | 3.6 \pm 2.3 |
| | Weekday | 0.0 | 0.1 \pm 0.1 | 9.7 \pm 7.0 | 0.2 \pm 0.1 | 9.9 \pm 7.0 |
| | 1984 | | | | | |
| | Weekend | 0.0 | <.1 \pm <.1 | 0.9 \pm 0.6 | <.1 \pm <.1 | 0.9 \pm 0.6 |
| | Weekday | 0.0 | 0.0 | 3.3 \pm 2.1 | 0.0 | 3.3 \pm 2.1 |
| Red drum | | | | | | |
| | 1983 | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 1984 | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table L.4. (Cont'd.)

| Species | Area | | | | |
|-------------------|-----------|-----------|----------------|--------------------|------------------------|
| | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide ^a |
| Red snapper | | | | | |
| 1983 | | | | | |
| Weekend | 0.0 | 0.0 | 0.0 | 3.3 ± 2.0 | 3.3 ± 2.0 |
| Weekday | 0.0 | <.1 ± <.1 | 0.0 | 0.0 | <.1 ± <.1 |
| 1984 | | | | | |
| Weekend | 0.0 | 0.0 | 0.0 | 0.2 ± 0.2 | 0.2 ± 0.2 |
| Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Sand seatrout | | | | | |
| 1983 | | | | | |
| Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | | | | | |
| Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Spanish mackerel | | | | | |
| 1983 | | | | | |
| Weekend | 0.3 ± 0.3 | 0.0 | 0.2 ± 0.2 | 0.0 | 0.5 ± 0.3 |
| Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | | | | | |
| Weekend | 0.0 | 0.0 | 0.0 | <.1 ± <.1 | <.1 ± <.1 |
| Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Spotted seatrout | | | | | |
| 1983 | | | | | |
| Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | | | | | |
| Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Vermilion snapper | | | | | |
| 1983 | | | | | |
| Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 | | | | | |
| Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Other species | | | | | |
| 1983 | | | | | |
| Weekend | 0.2 ± 0.2 | 0.0 | 1.7 ± 1.3 | 0.2 ± 0.2 | 2.1 ± 1.4 |
| Weekday | 0.0 | <.1 ± <.1 | 13.0 ± 12.0 | 0.6 ± 0.4 | 13.7 ± 12.0 |
| 1984 | | | | | |
| Weekend | 0.0 | <.1 ± <.1 | 0.3 ± 0.2 | <.1 ± <.1 | 0.4 ± 0.2 |
| Weekday | 0.0 | 0.0 | 0.4 ± 0.2 | 0.5 ± 0.4 | 0.9 ± 0.5 |

Table L.4. (Cont'd.)

| Species | Area | | | | |
|-----------------------------------|-----------|-----------|----------------|--------------------|------------------------|
| | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide ^a |
| Year | | | | | |
| Day type | | | | | |
| All species combined ^a | | | | | |
| 1983 | | | | | |
| Weekend | 2.1 ± 2.0 | 0.0 | 3.9 ± 3.1 | 3.5 ± 2.0 | 9.6 ± 4.3 |
| Weekday | 0.0 | 0.1 ± 0.1 | 23.1 ± 14.2 | 0.8 ± 0.5 | 24.0 ± 14.2 |
| 1984 | | | | | |
| Weekend | 0.0 | 0.1 ± 0.1 | 1.2 ± 0.7 | 0.3 ± 0.3 | 1.5 ± 0.8 |
| Weekday | 0.0 | 0.0 | 3.8 ± 2.3 | 0.5 ± 0.4 | 4.3 ± 2.4 |

^aDue to rounding of numbers, these totals may not exactly equal individual totals.

Table L.5. Estimated landings of fishes (No. x 1000) \pm 1 SE caught by party-boat fishermen in the FCZ during the low-use season by species, day type and area (1983-1985).

| Species | Year | Area | | | | Coastwide ^a |
|--------------------------|---------|-----------|-----------|----------------|--------------------|------------------------|
| | | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | |
| Day type | | | | | | |
| Atlantic croaker | | | | | | |
| 1983-84 | | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984-85 | | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Atlantic sharpnose shark | | | | | | |
| 1983-84 | | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984-85 | | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Cobia | | | | | | |
| 1983-84 | | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984-85 | | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| King mackerel | | | | | | |
| 1983-84 | | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984-85 | | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Red drum | | | | | | |
| 1983-84 | | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984-85 | | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table L.5. (Cont'd.)

| Species | Area | | | | |
|-------------------|-----------|-----------|----------------|--------------------|------------------------|
| | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide ^a |
| Red snapper | | | | | |
| 1983-84 | | | | | |
| Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984-85 | | | | | |
| Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Sand seatrout | | | | | |
| 1983-84 | | | | | |
| Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984-85 | | | | | |
| Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Spanish mackerel | | | | | |
| 1983-84 | | | | | |
| Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984-85 | | | | | |
| Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Spotted seatrout | | | | | |
| 1983-84 | | | | | |
| Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984-85 | | | | | |
| Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Vermilion snapper | | | | | |
| 1983-84 | | | | | |
| Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984-85 | | | | | |
| Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Other species | | | | | |
| 1983-84 | | | | | |
| Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984-85 | | | | | |
| Weekend | 0.0 | 0.0 | 0.0 | 0.8 ± 0.8 | 0.8 ± 0.8 |
| Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table L.5. (Cont'd.)

| Species Year Day type | Area | | | | |
|-----------------------------------|-----------|-----------|-------------------|-----------------------|------------------------|
| | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide ^a |
| All species combined ^a | | | | | |
| 1983-84 | | | | | |
| Weekend | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984-85 | | | | | |
| Weekend | 0.0 | 0.0 | 0.0 | 0.8 ± 0.8 | 0.8 ± 0.8 |
| Weekday | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

^aDue to rounding of numbers, these totals may not exactly equal individual totals.

Table L.6. Annual mean catch rates of fishes (No./man-h) \pm 1 SE caught by party-boat fishermen in the FCZ by species and area (1983-1985). Blank = no fishermen interviewed.

| Species Year | Area | | | | |
|--------------------------|-----------------|-----------------|-----------------|--------------------|-----------------|
| | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide |
| Atlantic croaker | | | | | |
| 1983-84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1984-85 | | 0.00 | 0.00 | 0.00 | 0.00 |
| Atlantic sharpnose shark | | | | | |
| 1983-84 | 0.00 | 0.00 | <.01 \pm <.01 | 0.00 | <.01 \pm <.01 |
| 1984-85 | | 0.00 | 0.00 | 0.00 | 0.00 |
| Cobia | | | | | |
| 1983-84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1984-85 | | 0.00 | <.01 \pm <.01 | 0.00 | <.01 \pm <.01 |
| King mackerel | | | | | |
| 1983-84 | 0.19 \pm 0.19 | 0.03 \pm 0.03 | 0.11 \pm 0.08 | 0.03 \pm 0.02 | 0.12 \pm 0.07 |
| 1984-85 | | 0.05 \pm 0.05 | 0.20 \pm 0.12 | 0.01 \pm 0.01 | 0.14 \pm 0.08 |
| Red drum | | | | | |
| 1983-84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1984-85 | | 0.00 | 0.00 | 0.00 | 0.00 |
| Red snapper | | | | | |
| 1983-84 | 0.00 | <.01 \pm <.01 | 0.00 | 0.55 \pm 0.42 | 0.03 \pm 0.02 |
| 1984-85 | | 0.00 | 0.00 | 0.02 \pm 0.02 | 0.01 \pm 0.01 |
| Sand seatrout | | | | | |
| 1983-84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1984-85 | | 0.00 | 0.00 | 0.00 | 0.00 |
| Spanish mackerel | | | | | |
| 1983-84 | 0.03 \pm 0.03 | 0.00 | <.01 \pm <.01 | 0.00 | <.01 \pm <.01 |
| 1984-85 | | 0.00 | 0.00 | <.01 \pm <.01 | <.01 \pm <.01 |
| Spotted seatrout | | | | | |
| 1983-84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1984-85 | | 0.00 | 0.00 | 0.00 | 0.00 |
| Vermilion snapper | | | | | |
| 1983-84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1984-85 | | 0.00 | 0.00 | 0.00 | 0.00 |
| Other species | | | | | |
| 1983-84 | 0.03 \pm 0.02 | <.01 \pm <.01 | 0.15 \pm 0.13 | 0.14 \pm 0.10 | 0.14 \pm 0.11 |
| 1984-85 | | 0.06 \pm 0.06 | 0.04 \pm 0.02 | 0.16 \pm 0.13 | 0.07 \pm 0.04 |

Table L.6. (Cont'd.)

| Species Year | Area | | | | Coastwide |
|-----------------------------------|-------------|-------------|-------------------|-----------------------|-------------|
| | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | |
| All species combined ^a | | | | | |
| 1983-84 | 0.26 ± 0.25 | 0.04 ± 0.04 | 0.27 ± 0.18 | 0.72 ± 0.50 | 0.29 ± 0.16 |
| 1984-85 | | 0.11 ± 0.11 | 0.23 ± 0.14 | 0.20 ± 0.15 | 0.22 ± 0.11 |

^aDue to rounding of numbers, these totals may not exactly equal individual totals.

Table L.7. Mean catch rates of fishes (No./man-h) \pm 1 SE caught by party-boat fishermen in the FCZ during the high-use season by species, day type and area (1983-1984). Blank = no fishermen interviewed.

| Species | Year | Area | | | | |
|--------------------------|---------|-----------------|-----------------|-----------------|--------------------|-----------------|
| | | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide |
| Day type | | | | | | |
| Atlantic croaker | | | | | | |
| 1983 | | | | | | |
| | Weekend | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Weekday | | 0.00 | 0.00 | 0.00 | 0.00 |
| 1984 | | | | | | |
| | Weekend | | 0.00 | 0.00 | 0.00 | 0.00 |
| | Weekday | | | 0.00 | 0.00 | 0.00 |
| Atlantic sharpnose shark | | | | | | |
| 1983 | | | | | | |
| | Weekend | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Weekday | | 0.00 | <.01 \pm <.01 | 0.00 | <.01 \pm <.01 |
| 1984 | | | | | | |
| | Weekend | | 0.00 | 0.00 | 0.00 | 0.00 |
| | Weekday | | | 0.00 | 0.00 | 0.00 |
| Cobia | | | | | | |
| 1983 | | | | | | |
| | Weekend | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Weekday | | 0.00 | 0.00 | 0.00 | 0.00 |
| 1984 | | | | | | |
| | Weekend | | 0.00 | 0.00 | 0.00 | 0.00 |
| | Weekday | | | <.01 \pm <.01 | 0.00 | <.01 \pm <.01 |
| King mackerel | | | | | | |
| 1983 | | | | | | |
| | Weekend | 0.19 \pm 0.19 | 0.00 | 0.09 \pm 0.09 | <.01 \pm <.01 | 0.11 \pm 0.09 |
| | Weekday | | 0.14 \pm 0.14 | 0.12 \pm 0.10 | 0.04 \pm 0.03 | 0.12 \pm 0.09 |
| 1984 | | | | | | |
| | Weekend | | 0.05 \pm 0.05 | 0.06 \pm 0.04 | 0.21 \pm 0.21 | 0.06 \pm 0.04 |
| | Weekday | | | 0.49 \pm 0.36 | 0.00 | 0.29 \pm 0.21 |
| Red drum | | | | | | |
| 1983 | | | | | | |
| | Weekend | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Weekday | | 0.00 | 0.00 | 0.00 | 0.00 |
| 1984 | | | | | | |
| | Weekend | | 0.00 | 0.00 | 0.00 | 0.00 |
| | Weekday | | | 0.00 | 0.00 | 0.00 |

Table L.7. (Cont'd.)

| Species | Year | Day type | Area | | | |
|-------------------|---------|-------------|-------------|-------------|----------------|--------------------|
| | | | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre |
| Red snapper | | | | | | |
| 1983 | | | | | | |
| | Weekend | 0.00 | 0.00 | 0.00 | 2.25 ± 1.61 | 0.10 ± 0.08 |
| | Weekday | | 0.02 ± 0.02 | 0.00 | 0.00 | <.01 ± <.01 |
| 1984 | | | | | | |
| | Weekend | | 0.00 | 0.00 | 0.94 ± 0.94 | 0.01 ± 0.01 |
| | Weekday | | | 0.00 | 0.00 | 0.00 |
| Sand seatrout | | | | | | |
| 1983 | | | | | | |
| | Weekend | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Weekday | | 0.00 | 0.00 | 0.00 | 0.00 |
| 1984 | | | | | | |
| | Weekend | | 0.00 | 0.00 | 0.00 | 0.00 |
| | Weekday | | | 0.00 | 0.00 | 0.00 |
| Spanish mackerel | | | | | | |
| 1983 | | | | | | |
| | Weekend | 0.03 ± 0.03 | 0.00 | 0.01 ± 0.01 | 0.00 | 0.01 ± 0.01 |
| | Weekday | | 0.00 | 0.00 | 0.00 | 0.00 |
| 1984 | | | | | | |
| | Weekend | | 0.00 | 0.00 | 0.02 ± 0.02 | <.01 ± <.01 |
| | Weekday | | | 0.00 | 0.00 | 0.00 |
| Spotted seatrout | | | | | | |
| 1983 | | | | | | |
| | Weekend | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Weekday | | 0.00 | 0.00 | 0.00 | 0.00 |
| 1984 | | | | | | |
| | Weekend | | 0.00 | 0.00 | 0.00 | 0.00 |
| | Weekday | | | 0.00 | 0.00 | 0.00 |
| Vermilion snapper | | | | | | |
| 1983 | | | | | | |
| | Weekend | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Weekday | | 0.00 | 0.00 | 0.00 | 0.00 |
| 1984 | | | | | | |
| | Weekend | | 0.00 | 0.00 | 0.00 | 0.00 |
| | Weekday | | | 0.00 | 0.00 | 0.00 |
| Other species | | | | | | |
| 1983 | | | | | | |
| | Weekend | 0.03 ± 0.02 | 0.00 | 0.08 ± 0.08 | 0.13 ± 0.11 | 0.07 ± 0.05 |
| | Weekday | | 0.02 ± 0.02 | 0.16 ± 0.15 | 0.14 ± 0.12 | 0.16 ± 0.15 |
| 1984 | | | | | | |
| | Weekend | | 0.06 ± 0.06 | 0.02 ± 0.02 | 0.07 ± 0.07 | 0.03 ± 0.02 |
| | Weekday | | | 0.06 ± 0.04 | 0.11 ± 0.10 | 0.08 ± 0.05 |

Table L.7. (Cont'd.)

| Species | Area | | | | |
|-----------------------------------|-------------|-------------|----------------|--------------------|-------------|
| | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide |
| Year | | | | | |
| Day type | | | | | |
| All species combined ^a | | | | | |
| 1983 | | | | | |
| Weekend | 0.26 ± 0.25 | 0.00 | 0.19 ± 0.18 | 2.37 ± 1.66 | 0.30 ± 0.20 |
| Weekday | | 0.18 ± 0.18 | 0.29 ± 0.21 | 0.18 ± 0.15 | 0.28 ± 0.20 |
| 1984 | | | | | |
| Weekend | | 0.11 ± 0.11 | 0.08 ± 0.06 | 1.25 ± 1.25 | 0.10 ± 0.06 |
| Weekday | | | 0.55 ± 0.40 | 0.11 ± 0.10 | 0.38 ± 0.25 |

^aDue to rounding of numbers, these totals may not exactly equal individual totals.

Table L.8. Mean catch rates of fishes (No./man-h) \pm 1 SE caught by party-boat fishermen in the FCZ during the low-use season by species, day type and area (1983-1985). Blank = no fishermen interviewed.

| Species | Year | Day type | Area | | | |
|--------------------------|---------|----------|-----------|-----------|----------------|--------------------|
| | | | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre |
| Atlantic croaker | | | | | | |
| | 1983-84 | | | | | |
| | | Weekend | | | | |
| | | Weekday | | | | |
| | 1984-85 | | | | | |
| | | Weekend | | | 0.00 | 0.00 |
| | | Weekday | | | | |
| Atlantic sharpnose shark | | | | | | |
| | 1983-84 | | | | | |
| | | Weekend | | | | |
| | | Weekday | | | | |
| | 1984-85 | | | | | |
| | | Weekend | | | 0.00 | 0.00 |
| | | Weekday | | | | |
| Cobia | | | | | | |
| | 1983-84 | | | | | |
| | | Weekend | | | | |
| | | Weekday | | | | |
| | 1984-85 | | | | | |
| | | Weekend | | | 0.00 | 0.00 |
| | | Weekday | | | | |
| King mackerel | | | | | | |
| | 1983-84 | | | | | |
| | | Weekend | | | | |
| | | Weekday | | | | |
| | 1984-85 | | | | | |
| | | Weekend | | | 0.00 | 0.00 |
| | | Weekday | | | | |
| Red drum | | | | | | |
| | 1983-84 | | | | | |
| | | Weekend | | | | |
| | | Weekday | | | | |
| | 1984-85 | | | | | |
| | | Weekend | | | 0.00 | 0.00 |
| | | Weekday | | | | |

Table L.8. (Cont'd.)

| Species | Area | | | | |
|-------------------|-----------|-----------|----------------|--------------------|-------------|
| | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide |
| Red snapper | | | | | |
| 1983-84 | | | | | |
| Weekend | | | | | |
| Weekday | | | | | |
| 1984-85 | | | | | |
| Weekend | | | | 0.00 | 0.00 |
| Weekday | | | | | |
| Sand seatrout | | | | | |
| 1983-84 | | | | | |
| Weekend | | | | | |
| Weekday | | | | | |
| 1984-85 | | | | | |
| Weekend | | | | 0.00 | 0.00 |
| Weekday | | | | | |
| Spanish mackerel | | | | | |
| 1983-84 | | | | | |
| Weekend | | | | | |
| Weekday | | | | | |
| 1984-85 | | | | | |
| Weekend | | | | 0.00 | 0.00 |
| Weekday | | | | | |
| Spotted seatrout | | | | | |
| 1983-84 | | | | | |
| Weekend | | | | | |
| Weekday | | | | | |
| 1984-85 | | | | | |
| Weekend | | | | 0.00 | 0.00 |
| Weekday | | | | | |
| Vermilion snapper | | | | | |
| 1983-84 | | | | | |
| Weekend | | | | | |
| Weekday | | | | | |
| 1984-85 | | | | | |
| Weekend | | | | 0.00 | 0.00 |
| Weekday | | | | | |
| Other species | | | | | |
| 1983-84 | | | | | |
| Weekend | | | | | |
| Weekday | | | | | |
| 1984-85 | | | | | |
| Weekend | | | | 0.24 ± 0.24 | 0.24 ± 0.24 |
| Weekday | | | | | |

Table L.8. (Cont'd.)

| Species Year Day type | Area | | | | |
|-----------------------------------|-----------|-----------|-------------------|-----------------------|-------------|
| | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide |
| All species combined ^a | | | | | |
| 1983-84 | | | | | |
| Weekend | | | | | |
| Weekday | | | | | |
| 1984-85 | | | | | |
| Weekend | | | | 0.24 ± 0.24 | 0.24 ± 0.24 |
| Weekday | | | | | |

^aDue to rounding of numbers, these totals may not exactly equal individual totals.

Table L.9. Annual mean weights of fishes (kg/fish) \pm 1 SE caught by party-boat fishermen in the FCZ by species and area (1983-1985). Blank = no fish weighed.

| Species Year | Area | | | | |
|-----------------------------------|-----------------|-------------------|------------------|--------------------|------------------|
| | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide |
| Atlantic croaker | | | | | |
| 1983-84 | | | | | |
| 1984-85 | | | | | |
| Atlantic sharpnose shark | | | | | |
| 1983-84 | | | | | |
| 1984-85 | | | | | |
| Cobia | | | | | |
| 1983-84 | | | | | |
| 1984-85 | | | | | |
| King mackerel | | | | | |
| 1983-84 | 9.33 | 14.24 | 9.55 \pm 0.73 | 5.49 \pm 0.93 | 9.49 \pm 1.81 |
| 1984-85 | | 7.76 | 9.97 \pm 1.87 | 4.83 | 9.90 \pm 1.93 |
| Red drum | | | | | |
| 1983-84 | | | | | |
| 1984-85 | | | | | |
| Red snapper | | | | | |
| 1983-84 | | 2.12 | | 0.68 | 0.69 \pm 0.69 |
| 1984-85 | | | | 1.01 | 1.01 |
| Sand seatrout | | | | | |
| 1983-84 | | | | | |
| 1984-85 | | | | | |
| Spanish mackerel | | | | | |
| 1983-84 | 1.01 | | 1.12 \pm 0.05 | | 1.06 \pm 0.59 |
| 1984-85 | | | | 1.04 | 1.04 |
| Spotted seatrout | | | | | |
| 1983-84 | | | | | |
| 1984-85 | | | | | |
| Vermilion snapper | | | | | |
| 1983-84 | | | | | |
| 1984-85 | | | | | |
| All species combined ^a | | | | | |
| 1983-84 | 7.20 \pm 7.20 | 12.50 \pm 12.50 | 15.17 \pm 7.14 | 1.56 \pm 1.04 | 12.92 \pm 6.38 |
| 1984-85 | | 7.70 \pm 7.70 | 10.93 \pm 1.19 | 2.70 \pm 2.70 | 8.91 \pm 1.61 |

^aIncludes "other" species.

Table L.10. Mean weights of fishes (kg/fish) \pm 1 SE caught by party-boat fishermen in the FCZ during the high-use season by species, day type and area (1983-1984). Blank = no fish weighed.

| Species | Year | Day type | Area | | | |
|--------------------------|------|----------|-----------|-----------|----------------|--------------------|
| | | | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre |
| Atlantic croaker | | | | | | |
| 1983 | | | | | | |
| Weekend | | | | | | |
| Weekday | | | | | | |
| 1984 | | | | | | |
| Weekend | | | | | | |
| Weekday | | | | | | |
| Atlantic sharpnose shark | | | | | | |
| 1983 | | | | | | |
| Weekend | | | | | | |
| Weekday | | | | | | |
| 1984 | | | | | | |
| Weekend | | | | | | |
| Weekday | | | | | | |
| Cobia | | | | | | |
| 1983 | | | | | | |
| Weekend | | | | | | |
| Weekday | | | | | | |
| 1984 | | | | | | |
| Weekend | | | | | | |
| Weekday | | | | | | |
| King mackerel | | | | | | |
| 1983 | | | | | | |
| Weekend | | | | | | |
| Weekday | | | | | | |
| 1984 | | | | | | |
| Weekend | | | | | | |
| Weekday | | | | | | |
| Red drum | | | | | | |
| 1983 | | | | | | |
| Weekend | | | | | | |
| Weekday | | | | | | |
| 1984 | | | | | | |
| Weekend | | | | | | |
| Weekday | | | | | | |
| Red snapper | | | | | | |
| 1983 | | | | | | |
| Weekend | | | | | | |
| Weekday | | | | | | |

Table L.10. (Cont'd.)

| Species | Year | Area | | | | Coastwide |
|-----------------------------------|------|-------------|---------------|----------------|--------------------|---------------|
| | | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | |
| Day type | | | | | | |
| Red snapper (cont'd.) | | | | | | |
| 1984 | | | | | | |
| Weekend | | | | | 1.01 | 1.01 |
| Weekday | | | | | | |
| Sand seatrout | | | | | | |
| 1983 | | | | | | |
| Weekend | | | | | | |
| Weekday | | | | | | |
| 1984 | | | | | | |
| Weekend | | | | | | |
| Weekday | | | | | | |
| Spanish mackerel | | | | | | |
| 1983 | | | | | | |
| Weekend | | 1.01 | | 1.12 ± 0.05 | | 1.06 ± 0.59 |
| Weekday | | | | | | |
| 1984 | | | | | | |
| Weekend | | | | | 1.04 | 1.04 |
| Weekday | | | | | | |
| Spotted seatrout | | | | | | |
| 1983 | | | | | | |
| Weekend | | | | | | |
| Weekday | | | | | | |
| 1984 | | | | | | |
| Weekend | | | | | | |
| Weekday | | | | | | |
| Vermilion snapper | | | | | | |
| 1983 | | | | | | |
| Weekend | | | | | | |
| Weekday | | | | | | |
| 1984 | | | | | | |
| Weekend | | | | | | |
| Weekday | | | | | | |
| All species combined ^a | | | | | | |
| 1983 | | | | | | |
| Weekend | | 7.20 ± 7.20 | | 7.32 ± 0.60 | 0.68 ± 0.16 | 4.77 ± 1.95 |
| Weekday | | | 12.50 ± 12.50 | 22.46 ± 14.67 | 4.80 ± 0.44 | 21.67 ± 14.05 |
| 1984 | | | | | | |
| Weekend | | | 7.70 ± 7.70 | 7.00 ± 7.00 | 2.70 ± 2.70 | 6.28 ± 6.28 |
| Weekday | | | | 11.44 ± 0.85 | | 11.44 ± 0.85 |

^aIncludes "other" species.

Table L.11. Annual mean total lengths of fishes (mm/fish) \pm 1 SE caught by party-boat fishermen in the FCZ by species and area (1983-1985). Blank = no fish measured.

| Species Year | Area | | | | | |
|-----------------------------------|---------------|---------------|-------------------|-----------------------|---------------|--|
| | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide | |
| Atlantic croaker | | | | | | |
| 1983-84 | | | | | | |
| 1984-85 | | | | | | |
| Atlantic sharpnose shark | | | | | | |
| 1983-84 | | | | | | |
| 1984-85 | | | | | | |
| Cobia | | | | | | |
| 1983-84 | | | | | | |
| 1984-85 | | | | | | |
| King mackerel | | | | | | |
| 1983-84 | 974 | 1136 | 990 \pm 23 | 832 \pm 40 | 985 \pm 139 | |
| 1984-85 | | 941 | 1001 \pm 62 | 812 | 825 \pm 75 | |
| Red drum | | | | | | |
| 1983-84 | | | | | | |
| 1984-85 | | | | | | |
| Red snapper | | | | | | |
| 1983-84 | | 530 | | 354 | 357 \pm 177 | |
| 1984-85 | | | | 407 | 407 | |
| Sand seatrout | | | | | | |
| 1983-84 | | | | | | |
| 1984-85 | | | | | | |
| Spanish mackerel | | | | | | |
| 1983-84 | 578 | | 603 \pm 8 | | 588 \pm 227 | |
| 1984-85 | | | | 588 | 588 | |
| Spotted seatrout | | | | | | |
| 1983-84 | | | | | | |
| 1984-85 | | | | | | |
| Vermilion snapper | | | | | | |
| 1983-84 | | | | | | |
| 1984-85 | | | | | | |
| All species combined ^a | | | | | | |
| 1983-84 | 738 \pm 236 | 768 \pm 363 | 970 \pm 67 | 421 \pm 65 | 867 \pm 105 | |
| 1984-85 | | 756 \pm 756 | 868 \pm 8 | 614 \pm 16 | 806 \pm 14 | |

^aIncludes "other" species.

Table L.12. Mean total lengths of fishes (mm/fish) \pm 1 SE caught by party-boat fishermen in the FCZ during the high-use season by species, day type and area (1983-1984). Blank = no fish measured.

| Species | Year | Day type | Area | | | | |
|--------------------------|------|----------|-----------|-----------|----------------|--------------------|---------------|
| | | | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide |
| Atlantic croaker | | | | | | | |
| | 1983 | | | | | | |
| | | Weekend | | | | | |
| | | Weekday | | | | | |
| | 1984 | | | | | | |
| | | Weekend | | | | | |
| | | Weekday | | | | | |
| Atlantic sharpnose shark | | | | | | | |
| | 1983 | | | | | | |
| | | Weekend | | | | | |
| | | Weekday | | | | | |
| | 1984 | | | | | | |
| | | Weekend | | | | | |
| | | Weekday | | | | | |
| Cobia | | | | | | | |
| | 1983 | | | | | | |
| | | Weekend | | | | | |
| | | Weekday | | | | | |
| | 1984 | | | | | | |
| | | Weekend | | | | | |
| | | Weekday | | | | | |
| King mackerel | | | | | | | |
| | 1983 | | | | | | |
| | | Weekend | 974 | | 960 \pm 15 | 1051 | 965 \pm 448 |
| | | Weekday | | 1136 | 1010 \pm 20 | 805 \pm 20 | 1007 \pm 25 |
| | 1984 | | | | | | |
| | | Weekend | | 941 | 918 | 812 | 914 \pm 871 |
| | | Weekday | | | 1024 \pm 69 | | 1024 \pm 69 |
| Red drum | | | | | | | |
| | 1983 | | | | | | |
| | | Weekend | | | | | |
| | | Weekday | | | | | |
| | 1984 | | | | | | |
| | | Weekend | | | | | |
| | | Weekday | | | | | |
| Red snapper | | | | | | | |
| | 1983 | | | | | | |
| | | Weekend | | | | 354 | 354 |
| | | Weekday | | 530 | | | 530 |

Table L.12. (Cont'd.)

| Species | Year | Day type | Area | | | |
|-----------------------------------|------|----------|-----------|-----------|----------------|---------------------------------|
| | | | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre Coastwide |
| Red snapper (cont'd.) | | | | | | |
| | 1984 | | | | | |
| | | Weekend | | | | 407 |
| | | Weekday | | | | 407 |
| Sand seatrout | | | | | | |
| | 1983 | | | | | |
| | | Weekend | | | | |
| | | Weekday | | | | |
| | 1984 | | | | | |
| | | Weekend | | | | |
| | | Weekday | | | | |
| Spanish mackerel | | | | | | |
| | 1983 | | | | | |
| | | Weekend | 578 | | 603 ± 8 | 588 ± 227 |
| | | Weekday | | | | |
| | 1984 | | | | | |
| | | Weekend | | | | 588 |
| | | Weekday | | | | 588 |
| Spotted seatrout | | | | | | |
| | 1983 | | | | | |
| | | Weekend | | | | |
| | | Weekday | | | | |
| | 1984 | | | | | |
| | | Weekend | | | | |
| | | Weekday | | | | |
| Vermilion snapper | | | | | | |
| | 1983 | | | | | |
| | | Weekend | | | | |
| | | Weekday | | | | |
| | 1984 | | | | | |
| | | Weekend | | | | |
| | | Weekday | | | | |
| All species combined ^a | | | | | | |
| | 1983 | | | | | |
| | | Weekend | 738 ± 236 | | 858 ± 32 | 360 ± 11 |
| | | Weekday | | 768 ± 363 | 1074 ± 66 | 622 ± 49 |
| | 1984 | | | | | |
| | | Weekend | | 756 ± 756 | 914 ± 914 | 628 ± 628 |
| | | Weekday | | | 862 ± 3 | 567 ± 29 |

^aIncludes "other" species.

Table L.13. Percent composition of "other" species caught by party-boat fishermen in the FCZ by area, season and day type (1983 - 1985).

| Year | Season | Day type | Common name | Scientific name | Area | | | |
|----------|--------|----------|----------------------|--------------------------------|-----------|-----------|----------------|--------------------|
| | | | | | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre |
| 1983-84 | | | | | | | | |
| High use | | | | | | | | |
| Weekend | | | | | | | | |
| | | | Atlantic bonito | <u>Sarda sarda</u> | | | 90.91 | 27.78 |
| | | | Blue fish | <u>Pomatomus saltatrix</u> | 50.00 | | | 2.78 |
| | | | Blue runner | <u>Caranx crysos</u> | | | 9.09 | 2.78 |
| | | | Crevalle jack | <u>Caranx hippos</u> | | | 39.13 | 25.00 |
| | | | Dolphin | <u>Coryphaena hippurus</u> | | | 13.04 | 8.33 |
| | | | Little tunny | <u>Euthynnus alletteratus</u> | 50.00 | | 47.83 | 33.33 |
| Weekday | | | | | | | | |
| | | | Atlantic bonito | <u>Sarda sarda</u> | | 100.00 | 80.00 | 53.19 |
| | | | Bluefish | <u>Pomatomus saltatrix</u> | | | 6.25 | 2.13 |
| | | | Crevalle jack | <u>Caranx hippos</u> | | | 3.33 | 2.13 |
| | | | Dolphin | <u>Coryphaena hippurus</u> | | | 3.33 | 2.13 |
| | | | Little tunny | <u>Euthynnus alletteratus</u> | | | 12.50 | 8.51 |
| | | | Sharks sp. | | | | | |
| | | | Blacktip shark | <u>Carcharhinus limbatus</u> | | | 25.00 | 8.51 |
| | | | Dusky shark | <u>Carcharhinus obscurus</u> | | | 12.50 | 4.26 |
| | | | Requiem sharks | Family <u>Carcharhinidae</u> | | | 37.50 | 12.77 |
| | | | Scalloped hammerhead | <u>Sphyrna lewini</u> | | | 6.25 | 2.13 |
| | | | Wahoo | <u>Acanthocybium solanderi</u> | | | 6.67 | 4.26 |
| 1984-85 | | | | | | | | |
| High use | | | | | | | | |
| Weekend | | | | | | | | |
| | | | Crevalle jack | <u>Caranx hippos</u> | | | 57.14 | 28.57 |
| | | | Dolphin | <u>Coryphaena hippurus</u> | | 100.00 | 28.57 | 100.00 |
| | | | Smallmouth buffalo | <u>Ictiobus bubalus</u> | | | 14.29 | 7.14 |
| Weekday | | | | | | | | |
| | | | Crevalle jack | <u>Caranx hippos</u> | | | 6.67 | 4.35 |
| | | | Dolphin | <u>Coryphaena hippurus</u> | | | 83.33 | 54.35 |
| | | | Little tunny | <u>Euthynnus alletteratus</u> | | | 6.67 | 100.00 |
| | | | Shark sp. | | | | | |
| | | | Blacktip shark | <u>Carcharhinus limbatus</u> | | | 3.33 | 2.17 |

Table L.13. (Cont'd.)

| Year | Season | Common name | Scientific name | Area | | | | |
|---------|---------|--------------|-------------------------------|-----------|-----------|----------------|--------------------|-----------|
| | | | | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | Coastwide |
| Low use | Weekend | Little tunny | <u>Euthynnus alletteratus</u> | | | | 100.00 | 100.00 |

Table L.14. Percent composition of the annual residential origin of party-boat fishermen in the FCZ by area (1983-85). Blank = no fishermen interviewed.

| Area Year | Adjacent coastal counties | Non-adjacent coastal counties | Non-coastal counties | Other states and countries |
|--------------------|------------------------------|----------------------------------|-------------------------|-------------------------------|
| Galveston | | | | |
| 1983-84 | 100 | 0 | 0 | 0 |
| 1984-85 | | | | |
| Matagorda | | | | |
| 1983-84 | 30 | 20 | 50 | 0 |
| 1984-85 | 0 | 100 | 0 | 0 |
| Corpus Christi | | | | |
| 1983-84 | 4 | 13 | 66 | 16 |
| 1984-85 | 9 | 24 | 60 | 7 |
| Lower Laguna Madre | | | | |
| 1983-84 | 17 | 26 | 57 | 0 |
| 1984-85 | 26 | 0 | 61 | 13 |
| Coastwide | | | | |
| 1983-84 | 18 | 16 | 57 | 9 |
| 1984-85 | 13 | 21 | 57 | 9 |

Table L.15. Percent composition of the residential origin of party-boat fishermen in the FCZ during the high-use season by area and day type (1983-1984). Blank = no fishermen interviewed.

| Area Year | Weekend | | | | Weekday | | | |
|--------------------|---------------------------|-------------------------------|----------------------|------------------------|---------------------------|-------------------------------|----------------------|------------------------|
| | Adjacent coastal counties | Non-adjacent coastal counties | Non-coastal counties | Other states/countries | Adjacent coastal counties | Non-adjacent coastal counties | Non-coastal counties | Other states/countries |
| Galvestion | | | | | | | | |
| 1983 | 100 | 0 | 0 | 0 | | | | |
| 1984 | | | | | | | | |
| Matagorda | | | | | | | | |
| 1983 | 25 | 0 | 75 | 0 | 33 | 33 | 33 | 0 |
| 1984 | 0 | 100 | 0 | 0 | | | | |
| Corpus Christi | | | | | | | | |
| 1983 | 6 | 9 | 71 | 14 | 3 | 18 | 61 | 18 |
| 1984 | 3 | 26 | 69 | 3 | 15 | 21 | 52 | 12 |
| Lower Laguna Madre | | | | | | | | |
| 1983 | 12 | 24 | 65 | 0 | 22 | 28 | 50 | 0 |
| 1984 | 20 | 0 | 80 | 0 | 21 | 0 | 79 | 0 |
| Coastwide | | | | | | | | |
| 1983 | 23 | 11 | 59 | 8 | 12 | 23 | 54 | 11 |
| 1984 | 4 | 33 | 61 | 2 | 17 | 13 | 62 | 8 |

Table L.16. Percent composition of the residential origin of party-boat fishermen in the FCZ during the low-use season by area and day type (1983-1985). Blank = no fishermen interviewed.

| Area Year | Weekend | | | | Weekday | | | |
|--------------------|---------------------------|-------------------------------|----------------------|------------------------|---------------------------|-------------------------------|----------------------|------------------------|
| | Adjacent coastal counties | Non-adjacent coastal counties | Non-coastal counties | Other states/countries | Adjacent coastal counties | Non-adjacent coastal counties | Non-coastal counties | Other states/countries |
| Galveston | | | | | | | | |
| 1983-84 | | | | | | | | |
| 1984-85 | | | | | | | | |
| Matagorda | | | | | | | | |
| 1983-84 | | | | | | | | |
| 1984-85 | | | | | | | | |
| Corpus Christi | | | | | | | | |
| 1983-84 | | | | | | | | |
| 1984-85 | | | | | | | | |
| Lower Laguna Madre | | | | | | | | |
| 1983-84 | | | | | | | | |
| 1984-85 | 43 | 0 | 0 | 57 | | | | |
| Coastwide | | | | | | | | |
| 1983-84 | | | | | | | | |
| 1984-85 | 43 | 0 | 0 | 57 | | | | |

Table L.17. Mean fishing-party size (No. of fishermen) and mean trip length (h) for party-boat fishermen in the FCZ by area, season and day type (1983-1985). Blank = no fishermen interviewed.

| Area Year | Mean fishing-party size | | | | | Mean trip length | | | | |
|--------------------|-------------------------|---------|----------------|---------|--------|------------------|---------|----------------|---------|--------|
| | High-use season | | Low-use season | | Annual | High-use season | | Low-use season | | Annual |
| | Weekend | Weekday | Weekend | Weekday | | Weekend | Weekday | Weekend | Weekday | |
| Galveston | | | | | | | | | | |
| 1983-84 | 5.0 | | | | 5.0 | | 8.0 | | | 8.0 |
| 1984-85 | | | | | | | | | | |
| Matagorda | | | | | | | | | | |
| 1983-84 | 4.0 | 6.0 | | | 5.0 | 4.0 | 8.5 | | | 6.2 |
| 1984-85 | 6.0 | | | | 6.0 | 10.5 | | | | 10.5 |
| Corpus Christi | | | | | | | | | | |
| 1983-84 | 4.4 | 4.1 | | | 4.2 | 7.8 | 7.9 | | | 7.8 |
| 1984-85 | 5.8 | 3.0 | | | 4.0 | 8.2 | 8.0 | | | 8.1 |
| Lower Laguna Madre | | | | | | | | | | |
| 1983-84 | 3.4 | 3.0 | | | 3.2 | 8.1 | 12.8 | | | 10.6 |
| 1984-85 | 5.0 | 4.8 | 7.0 | | 5.2 | 8.5 | 5.2 | 6.0 | | 5.9 |
| Coastwide | | | | | | | | | | |
| 1983-84 | 4.1 | 3.8 | | | 4.0 | 7.7 | 9.9 | | | 8.7 |
| 1984-85 | 5.8 | 3.5 | 7.0 | | 4.4 | 8.6 | 7.3 | 6.0 | | 7.7 |

Appendix M: Estimates for headboat fishing in the Fishery Conservation Zone (FCZ) off Texas.

Table M.1. Number of days surveyed and number of headboat fishermen interviewed () in the FCZ by season, day type and area (1983-1984). WE = weekend days. WD = weekdays.

| Year Season Day type | Area | | | | Coastwide |
|----------------------------|-----------|-----------|----------------|--------------------|-----------|
| | Galveston | Matagorda | Corpus Christi | Lower Laguna Madre | |
| 1983-84 | | | | | |
| High use | | | | | |
| WE | 7 (322) | 7 (223) | 7 (76) | 21 (631) | |
| WD | 13 (610) | 14 (269) | 14 (71) | 41 (950) | |
| Low use | | | | | |
| WE | 7 (235) | 7 (180) | 7 (97) | 21 (512) | |
| WD | 13 (178) | 14 (182) | 14 (162) | 41 (522) | |
| Annual | 40(1355) | 42 (854) | 42 (406) | 124(2615) | |
| 1984 ^a | | | | | |
| High use | | | | | |
| WE | 5 (299) | 4 (58) | 4 (88) | 13 (445) | |
| WD | 9 (355) | 8 (132) | 9 (132) | 26 (619) | |

^aSurveys of headboat fishermen in the Gulf of Mexico were discontinued on 10 September 1984.

Table M.2. Pressure estimates (man-h x 1000) \pm 1 SE for headboat fishermen in the FCZ by season, day type and area (1983-1984). ND = no data.

| Area Year | High-use season | | Low-use season | | Annual ^a |
|------------------------|------------------|------------------|----------------|----------------|---------------------|
| | Weekend | Weekday | Weekend | Weekday | |
| Galveston | | | | | |
| 1983-84 | 58.7 \pm 13.7 | 44.8 \pm 7.2 | 10.0 \pm 3.6 | 4.9 \pm 2.4 | 118.4 \pm 16.1 |
| 1984 ^b | 58.2 \pm 3.7 | 54.7 \pm 13.2 | ND | ND | 112.9 \pm 13.7 |
| Corpus Christi | | | | | |
| 1983-84 | 19.3 \pm 6.1 | 34.1 \pm 8.3 | 7.6 \pm 1.5 | 8.4 \pm 2.4 | 69.4 \pm 10.7 |
| 1984 ^b | 60.6 \pm 35.0 | 72.2 \pm 31.8 | ND | ND | 132.8 \pm 47.3 |
| Lower Laguna Madre | | | | | |
| 1983-84 | 1.8 \pm 0.9 | 2.3 \pm 1.5 | 1.1 \pm 0.4 | 2.6 \pm 0.9 | 7.8 \pm 2.0 |
| 1984 ^b | 14.4 \pm 2.4 | 12.7 \pm 4.2 | ND | ND | 27.2 \pm 4.8 |
| Coastwide ^a | | | | | |
| 1983-84 | 79.8 \pm 15.0 | 81.2 \pm 11.1 | 18.7 \pm 4.0 | 15.9 \pm 3.5 | 195.6 \pm 19.4 |
| 1984 ^b | 133.2 \pm 35.3 | 139.6 \pm 34.7 | ND | ND | 272.8 \pm 49.5 |

^aDue to rounding of numbers, these totals may not exactly equal individual totals.

^bSurveys of headboats fishing in the Gulf of Mexico were discontinued on 10 September 1984.

Table M.3. Estimated landings of fishes (No. x 1000) \pm 1 SE caught by headboat fishermen in the FCZ during the high-use season by species, day type and area (1983-1984).

| Species Year Day type | Area | | | |
|-----------------------------|---------------|----------------|--------------------|------------------------|
| | Galveston | Corpus Christi | Lower Laguna Madre | Coastwide ^a |
| Atlantic croaker | | | | |
| 1983 | | | | |
| Weekend | 0.1 \pm 0.1 | <.1 \pm <.1 | <.0 \pm <.01 | 0.2 \pm 0.1 |
| Weekday | 0.1 \pm 0.1 | <.1 \pm <.1 | 0.0 | 0.1 \pm 0.1 |
| 1984 ^b | | | | |
| Weekend | 0.0 | 0.0 | <.1 \pm <.1 | <.1 \pm <.1 |
| Weekday | 0.0 | 0.0 | 0.0 | 0.0 |
| Atlantic sharpnose shark | | | | |
| 1983 | | | | |
| Weekend | 0.2 \pm 0.2 | 0.0 | 0.0 | 0.2 \pm 0.2 |
| Weekday | 1.3 \pm 0.6 | 3.0 \pm 2.3 | 0.0 | 4.3 \pm 2.4 |
| 1984 ^b | | | | |
| Weekend | 0.0 | 1.8 \pm 1.2 | 0.5 \pm 0.5 | 2.2 \pm 1.3 |
| Weekday | 0.3 \pm 0.2 | 0.3 \pm 0.3 | 0.2 \pm 0.1 | 0.8 \pm 0.4 |
| Cobia | | | | |
| 1983 | | | | |
| Weekend | 0.1 \pm 0.1 | 0.0 | 0.0 | 0.1 \pm 0.1 |
| Weekday | 0.2 \pm 0.1 | <.1 \pm <.1 | 0.0 | 0.2 \pm 0.1 |
| 1984 ^b | | | | |
| Weekend | 0.0 | 0.0 | 0.0 | 0.0 |
| Weekday | 0.1 \pm 0.1 | 0.0 | 0.0 | 0.1 \pm 0.1 |
| King mackerel | | | | |
| 1983 | | | | |
| Weekend | 0.5 \pm 0.3 | 0.0 | 0.0 | 0.5 \pm 0.3 |
| Weekday | 1.2 \pm 0.5 | 1.4 \pm 0.6 | <.1 \pm <.1 | 2.6 \pm 0.8 |
| 1984 ^b | | | | |
| Weekend | 0.6 \pm 0.4 | 0.5 \pm 0.3 | 0.0 | 1.1 \pm 0.5 |
| Weekday | 0.5 \pm 0.3 | 5.0 \pm 3.7 | 0.0 | 5.5 \pm 3.7 |
| Red drum | | | | |
| 1983 | | | | |
| Weekend | 0.0 | 0.0 | 0.0 | 0.0 |
| Weekday | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 ^b | | | | |
| Weekend | 0.0 | 0.0 | 0.0 | 0.0 |
| Weekday | 0.0 | 0.0 | 0.0 | 0.0 |

Table M.3. (Cont'd.)

| Species | Year | Area | | | |
|-------------------|----------|--------------|----------------|--------------------|------------------------|
| | | Galveston | Corpus Christi | Lower Laguna Madre | Coastwide ^a |
| | Day type | | | | |
| Red snapper | | | | | |
| 1983 | | | | | |
| | Weekend | 93.4 ± 36.8 | 16.3 ± 8.6 | 4.3 ± 2.1 | 114.0 ± 37.9 |
| | Weekday | 40.7 ± 9.7 | 12.3 ± 5.8 | 10.2 ± 7.0 | 63.2 ± 13.3 |
| 1984 ^b | | | | | |
| | Weekend | 142.0 ± 37.1 | 0.0 | 34.4 ± 8.5 | 176.4 ± 38.1 |
| | Weekday | 72.3 ± 25.5 | 1.6 ± 1.6 | 33.7 ± 14.0 | 107.6 ± 29.1 |
| Sand seatrout | | | | | |
| 1983 | | | | | |
| | Weekend | 0.7 ± 0.7 | 0.0 | 0.0 | 0.7 ± 0.7 |
| | Weekday | 2.6 ± 2.6 | <.1 ± <.1 | 0.0 | 2.7 ± 2.6 |
| 1984 ^b | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.1 ± 0.1 | 0.0 | 0.2 ± 0.2 | 0.3 ± 0.3 |
| Spanish mackerel | | | | | |
| 1983 | | | | | |
| | Weekend | <.1 ± <.1 | 0.0 | 0.0 | <.1 ± <.1 |
| | Weekday | 0.2 ± 0.1 | 0.0 | 0.0 | 0.2 ± 0.1 |
| 1984 ^b | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 |
| Spotted seatrout | | | | | |
| 1983 | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 ^b | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 |
| Vermilion snapper | | | | | |
| 1983 | | | | | |
| | Weekend | 32.5 ± 20.2 | 8.1 ± 4.2 | 0.1 ± 0.1 | 40.6 ± 20.7 |
| | Weekday | 8.7 ± 3.4 | 5.9 ± 3.9 | 0.1 ± 0.1 | 14.7 ± 5.2 |
| 1984 ^b | | | | | |
| | Weekend | 44.7 ± 13.4 | 0.0 | <.1 ± <.1 | 44.8 ± 13.4 |
| | Weekday | 27.6 ± 11.5 | 17.9 ± 17.9 | 2.4 ± 2.4 | 47.9 ± 21.4 |
| Other species | | | | | |
| 1983 | | | | | |
| | Weekend | 12.5 | 4.4 | 0.3 | 17.2 |
| | Weekday | 12.0 | 3.4 | <1.1 | 15.4 |
| 1984 ^b | | | | | |
| | Weekend | 28.3 | 2.0 | 1.6 | 32.0 |
| | Weekday | 13.4 | 9.4 | 0.5 | 23.3 |

Table M.3. (Cont'd.)

| Species Year | Area | | | |
|-----------------------------------|--------------|----------------|--------------------|------------------------|
| | Galveston | Corpus Christi | Lower Laguna Madre | Coastwide ^a |
| All species combined ^a | | | | |
| 1983 | | | | |
| Weekend | 140.0 ± 44.6 | 28.8 ± 14.1 | 4.7 ± 2.2 | 173.5 ± 46.8 |
| Weekday | 67.0 ± 11.8 | 26.0 ± 8.9 | 10.3 ± 7.0 | 103.4 ± 16.3 |
| 1984 ^b | | | | |
| Weekend | 215.7 ± 40.8 | 4.3 ± 2.5 | 36.6 ± 8.7 | 256.6 ± 41.8 |
| Weekday | 114.3 ± 34.5 | 34.1 ± 22.2 | 37.0 ± 14.3 | 185.4 ± 43.4 |

^aDue to rounding of numbers, these totals may not exactly equal individual totals.

^bSurveys of headboats fishing in the Gulf of Mexico were discontinued on 10 September 1984.

Table M.4. Mean catch rates of fishes (No./man-h) \pm SE caught by headboat fishermen in the FCZ during the high-use season by species, day type and area (1983-1984).

| Species | Year | Area | | | |
|--------------------------|---------|-----------------|-----------------|--------------------|------------------------|
| | | Galveston | Corpus Christi | Lower Laguna Madre | Coastwide ^a |
| Day type | | | | | |
| Atlantic croaker | | | | | |
| 1983 | | | | | |
| | Weekend | <.01 \pm <.01 | <.01 \pm <.01 | 0.0 | <.01 \pm <.01 |
| | Weekday | <.01 \pm <.01 | <.01 \pm <.01 | 0.0 | <.01 \pm <.01 |
| 1984 ^a | | | | | |
| | Weekend | 0.0 | 0.0 | <.01 \pm <.01 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 |
| Atlantic sharpnose shark | | | | | |
| 1983 | | | | | |
| | Weekend | <.01 \pm <.01 | 0.0 | 0.0 | <.01 \pm <.01 |
| | Weekday | 0.03 \pm 0.01 | 0.09 \pm 0.07 | 0.0 | 0.01 \pm <.01 |
| 1984 ^a | | | | | |
| | Weekend | 0.0 | 0.03 \pm 0.02 | 0.03 \pm .03 | 0.02 \pm 0.01 |
| | Weekday | <.01 \pm <.01 | <.01 \pm <.01 | 0.02 \pm .01 | <.01 \pm <.01 |
| Cobia | | | | | |
| 1983 | | | | | |
| | Weekend | <.01 \pm <.01 | 0.0 | 0.0 | <.01 \pm <.01 |
| | Weekday | <.01 \pm <.01 | <.01 \pm <.01 | 0.0 | <.01 \pm <.01 |
| 1984 ^a | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | <.01 \pm <.01 | 0.0 | 0.0 | 0.0 |
| King mackerel | | | | | |
| 1983 | | | | | |
| | Weekend | 0.01 \pm <.01 | 0.0 | 0.0 | <.01 \pm <.01 |
| | Weekday | 0.03 \pm 0.01 | 0.04 \pm 0.02 | 0.01 \pm 0.01 | .01 \pm <.01 |
| 1984 ^a | | | | | |
| | Weekend | 0.01 \pm 0.01 | 0.01 \pm 0.01 | 0.0 | <.01 \pm <.01 |
| | Weekday | 0.01 \pm <.01 | 0.07 \pm 0.06 | 0.0 | 0.04 \pm 0.03 |
| Red drum | | | | | |
| 1983 | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 ^a | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 |

Table M.4. (Cont'd.)

| Species | Year | Area | | | |
|-------------------|----------|-------------|----------------|--------------------|------------------------|
| | | Galveston | Corpus Christi | Lower Laguna Madre | Coastwide ^a |
| | Day type | | | | |
| Red snapper | | | | | |
| 1983 | | | | | |
| | Weekend | 1.59 ± 0.71 | 0.84 ± 0.50 | 2.42 ± 1.60 | 1.43 ± 0.54 |
| | Weekday | 0.90 ± 0.26 | 0.36 ± 0.19 | 4.53 ± 3.76 | 0.78 ± 0.19 |
| 1984 ^a | | | | | |
| | Weekend | 2.44 ± 0.66 | 0.0 | 2.39 ± 0.70 | 1.32 ± 0.45 |
| | Weekday | 1.32 ± 0.55 | 0.02 ± 0.22 | 2.64 ± 1.35 | 0.77 ± 0.28 |
| Sand seatrout | | | | | |
| 1983 | | | | | |
| | Weekend | 0.01 ± 0.01 | 0.0 | 0.0 | <.01 ± <.01 |
| | Weekday | 0.06 ± 0.06 | <.01 ± <.01 | 0.0 | <.01 ± <.01 |
| 1984 ^a | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | <.01 ± <.01 | 0.0 | 0.2 ± 0.2 | <.01 ± <.01 |
| Spanish mackerel | | | | | |
| 1983 | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | <.01 ± <.01 | 0.0 | 0.0 | <.01 ± <.01 |
| 1984 ^a | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 |
| Spotted seatrout | | | | | |
| 1983 | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 |
| 1984 ^a | | | | | |
| | Weekend | 0.0 | 0.0 | 0.0 | 0.0 |
| | Weekday | 0.0 | 0.0 | 0.0 | 0.0 |
| Vermilion snapper | | | | | |
| 1983 | | | | | |
| | Weekend | 0.55 ± 0.36 | 0.42 ± 0.24 | 0.04 ± 0.04 | 0.51 ± 0.27 |
| | Weekday | 0.19 ± 0.08 | 0.17 ± 0.12 | 0.03 ± 0.03 | 0.18 ± 0.07 |
| 1984 ^a | | | | | |
| | Weekend | 0.77 ± 0.23 | 0.0 | <.01 ± <.01 | 0.34 ± 0.13 |
| | Weekday | 0.51 ± 0.24 | 0.25 ± 0.25 | 0.19 ± 0.19 | 0.34 ± 0.17 |
| Other species | | | | | |
| 1983 | | | | | |
| | Weekend | 0.21 | 0.22 | 0.18 | 0.21 |
| | Weekday | 0.27 | 0.10 | 0.01 | 0.19 |
| 1984 ^a | | | | | |
| | Weekend | 0.49 | 0.03 | 0.11 | 0.24 |
| | Weekday | 0.25 | 0.13 | 0.04 | 0.17 |

Table M.4. (Cont'd)

| Species Year | Area | | | |
|-----------------------------------|-------------|-------------------|-----------------------|------------------------|
| | Galveston | Corpus Christi | Lower Laguna Madre | Coastwide ^a |
| All species combined ^b | | | | |
| 1983 | | | | |
| Weekend | 2.39 ± 0.93 | 1.49 ± 0.84 | 2.64 ± 1.73 | 2.17 ± 0.70 |
| Weekday | 1.50 ± 0.36 | 0.76 ± 0.31 | 4.58 ± 3.79 | 1.27 ± 0.26 |
| 1984 ^a | | | | |
| Weekend | 3.71 ± 0.74 | 0.07 ± 0.05 | 2.54 ± 0.73 | 1.93 ± 0.59 |
| Weekday | 2.09 ± 0.79 | 0.47 ± 0.35 | 2.91 ± 1.43 | 1.33 ± 0.45 |

^aSurveys of headboats fishing in the Gulf of Mexico were discontinued on 10 September 1984.

^bDue to rounding of numbers, these totals may not exactly equal individual totals.

Table M.5. Mean weights of fishes (kg/fish) \pm 1 SE caught by headboat fishermen in the FCZ during the high-season by species, day type and area (1983-1984). Blank = no fish weighed.

| Species | Area | | | |
|--------------------------|-----------------|------------------|--------------------|------------------------|
| | Galveston | Corpus Christi | Lower Laguna Madre | Coastwide ^a |
| Year | | | | |
| Day type | | | | |
| Atlantic croaker | | | | |
| 1983 | | | | |
| Weekend | 0.48 | 0.36 | | 0.45 \pm 0.45 |
| Weekday | | 0.70 | | 0.70 |
| 1984 ^a | | | | |
| Weekend | | | | |
| Weekday | | | | |
| Atlantic sharpnose shark | | | | |
| 1983 | | | | |
| Weekend | 5.88 | | | 5.88 |
| Weekday | 3.84 \pm 0.55 | 6.13 \pm 0.34 | | 5.44 \pm 0.40 |
| 1984 ^a | | | | |
| Weekend | | 3.89 \pm 1.03 | 6.85 | 4.50 \pm 2.23 |
| Weekday | 4.82 | 6.37 | 7.75 \pm 0.32 | 6.12 \pm 4.14 |
| Cobia | | | | |
| 1983 | | | | |
| Weekend | 11.23 | | | 11.23 |
| Weekday | 9.71 \pm 3.49 | 8.16 | | 9.54 \pm 4.01 |
| 1984 ^a | | | | |
| Weekend | | | | |
| Weekday | 3.33 | | | 3.33 |
| King mackerel | | | | |
| 1983 | | | | |
| Weekend | 7.08 \pm 3.78 | | | 7.08 \pm 3.78 |
| Weekday | 8.20 \pm 1.05 | 7.94 \pm 0.82 | 6.72 | 8.05 \pm 0.98 |
| 1984 ^a | | | | |
| Weekend | 6.83 \pm 0.70 | 13.40 \pm 1.93 | | 9.73 \pm 1.24 |
| Weekday | 8.18 \pm 1.72 | 13.22 \pm 4.38 | | 12.80 \pm 4.15 |
| Red drum | | | | |
| 1983 | | | | |
| Weekend | | | | |
| Weekday | | | | |
| 1984 ^a | | | | |
| Weekend | | | | |
| Weekday | | | | |

Table M.5. (Cont'd.)

| Species | Year | Area | | | Coastwide ^a |
|-------------------|-------------------|-------------|----------------|--------------------|------------------------|
| | | Galveston | Corpus Christi | Lower Laguna Madre | |
| Red snapper | | | | | |
| | 1983 | | | | |
| | Weekend | 0.40 ± 0.02 | 0.55 ± 0.08 | 0.51 ± 0.08 | 0.42 ± 0.03 |
| | Weekday | 0.43 ± 0.05 | 0.56 ± 0.13 | 0.41 ± 0.01 | 0.45 ± 0.06 |
| | 1984 ^a | | | | |
| | Weekend | 0.50 ± 0.06 | | 0.44 ± 0.04 | 0.49 ± 0.06 |
| | Weekday | 0.39 ± 0.03 | 0.77 | 0.52 ± 0.06 | 0.44 ± 0.05 |
| Sand seatrout | | | | | |
| | 1983 | | | | |
| | Weekend | 0.35 | | | 0.35 |
| | Weekday | 0.27 | 0.48 | | 0.27 ± 0.27 |
| | 1984 ^a | | | | |
| | Weekend | | | | |
| | Weekday | 0.25 | | 0.22 | 0.23 ± 0.23 |
| Spanish mackerel | | | | | |
| | 1983 | | | | |
| | Weekend | 0.86 | | | 0.86 |
| | Weekday | 1.02 ± 0.10 | | | 1.02 ± 0.10 |
| | 1984 ^a | | | | |
| | Weekend | | | | |
| | Weekday | | | | |
| Spotted seatrout | | | | | |
| | 1983 | | | | |
| | Weekend | | | | |
| | Weekday | | | | |
| | 1984 ^a | | | | |
| | Weekend | | | | |
| | Weekday | | | | |
| Vermilion snapper | | | | | |
| | 1983 | | | | |
| | Weekend | 0.15 ± 0.01 | 0.35 ± 0.03 | 0.35 | 0.19 ± 0.02 |
| | Weekday | 0.16 ± 0.01 | 0.41 ± 0.03 | 0.27 | 0.26 ± 0.02 |
| | 1984 ^a | | | | |
| | Weekend | 0.22 ± 0.03 | | 0.10 | 0.22 ± 0.03 |
| | Weekday | 0.13 ± 0.01 | 0.26 | 0.63 | 0.20 ± 0.13 |

Table M.5. (Cont'd.)

| Species Year | Area | | | |
|-----------------------------------|-------------|----------------|--------------------|------------------------|
| | Galveston | Corpus Christi | Lower Laguna Madre | Coastwide ^a |
| All species combined ^b | | | | |
| 1983 | | | | |
| Weekend | 0.43 ± 0.07 | 0.57 ± 0.08 | 0.49 ± 0.10 | 0.45 ± 0.07 |
| Weekday | 0.61 ± 0.14 | 1.58 ± 0.61 | 0.43 ± 0.03 | 0.83 ± 0.25 |
| 1984 ^a | | | | |
| Weekend | 0.50 ± 0.06 | 6.22 ± 0.40 | 0.73 ± 0.25 | 0.62 ± 0.09 |
| Weekday | 0.41 ± 0.04 | 1.72 ± 1.53 | 0.68 ± 0.04 | 0.70 ± 0.31 |

^aSurveys of headboats fishing in the Gulf of Mexico were discontinued on 10 September 1984.

^bIncludes "other" species.

Table M.6. Annual mean total lengths of fishes (mm/fish) \pm 1 SE caught by headboat fishermen in the FCZ by species and area (1983-1984). Blank = no fish measured.

| Species Year | Area | | | |
|-----------------------------------|---------------|----------------|--------------------|---------------|
| | Galveston | Corpus Christi | Lower Laguna Madre | Coastwide |
| Atlantic croaker | | | | |
| 1983-84 | 327 | 293 \pm 4 | 300 | 312 \pm 72 |
| 1984 ^b | | | | |
| Atlantic sharpnose shark | | | | |
| 1983-84 | 860 \pm 28 | 971 \pm 11 | 970 \pm 13 | 925 \pm 18 |
| 1984 ^b | 895 | 858 \pm 51 | 997 \pm 11 | 893 \pm 109 |
| Cobia | | | | |
| 1983-84 | 1049 \pm 83 | 1035 \pm 33 | | 1046 \pm 67 |
| 1984 ^b | 760 | | | 760 \pm 760 |
| King mackerel | | | | |
| 1983-84 | 928 \pm 34 | 942 \pm 29 | 905 | 934 \pm 37 |
| 1984 ^b | 917 \pm 23 | 1095 \pm 103 | | 1065 \pm 49 |
| Red drum | | | | |
| 1983-84 | | 614 \pm 13 | | 614 \pm 13 |
| 1984 ^b | | | | |
| Red snapper | | | | |
| 1983-84 | 298 \pm 3 | 346 \pm 10 | 328 \pm 7 | 309 \pm 4 |
| 1984 ^b | 310 \pm 8 | 376 | 323 \pm 7 | 313 \pm 8 |
| Sand seatrout | | | | |
| 1983-84 | 297 \pm 5 | 318 \pm 5 | 419 | 303 \pm 10 |
| 1984 ^b | 289 | | 275 | 280 \pm 104 |
| Spanish mackerel | | | | |
| 1983-84 | 577 \pm 16 | | | 577 \pm 16 |
| 1984 ^b | | | | |
| Spotted seatrout | | | | |
| 1983-84 | | | | |
| 1984 ^b | | | | |
| Vermilion snapper | | | | |
| 1983-84 | 243 \pm 4 | 314 \pm 5 | 313 \pm 17 | 258 \pm 4 |
| 1984 ^b | 255 \pm 12 | 285 | 368 \pm 2 | 296 \pm 63 |
| All species combined ^a | | | | |
| 1983-84 | 308 \pm 7 | 388 \pm 14 | 345 \pm 11 | 326 \pm 8 |
| 1984 ^b | 318 \pm 16 | 458 \pm 93 | 345 \pm 13 | 335 \pm 19 |

^aIncludes "other" species.

^bSurveys of headboats fishing in the Gulf of Mexico were discontinued 10 September 1984.

Table M.7. Mean total lengths of fishes (mm/fish) \pm 1 SE caught by headboat fishermen in the FCZ during the high-use season by species, day type and area (1983-1984). Blank = no fish measured.

| Species Year Day type | Area | | | |
|-----------------------------|----------------|----------------|--------------------|------------------------|
| | Galveston | Corpus Christi | Lower Laguna Madre | Coastwide ^a |
| Atlantic croaker | | | | |
| 1983 | | | | |
| Weekend | 327 | 302 | | 319 \pm 254 |
| Weekday | | 372 | | 372 |
| 1984 ^a | | | | |
| Weekend | | | | |
| Weekday | | | | |
| Atlantic sharpnose shark | | | | |
| 1983 | | | | |
| Weekend | 945 | | | 945 |
| Weekday | 823 \pm 39 | 951 \pm 17 | | 912 \pm 14 |
| 1984 ^a | | | | |
| Weekend | | 827 \pm 68 | 985 | 861 \pm 213 |
| Weekday | 895 | 967 | 1019 \pm 12 | 953 \pm 539 |
| Cobia | | | | |
| 1983 | | | | |
| Weekend | 1118 | | | 1118 |
| Weekday | 1035 \pm 101 | 1010 | | 1030 \pm 181 |
| 1984 ^a | | | | |
| Weekend | | | | |
| Weekday | 760 | | | 760 |
| King mackerel | | | | |
| 1983 | | | | |
| Weekend | 889 \pm 160 | | | 889 \pm 160 |
| Weekday | 934 \pm 33 | 942 \pm 29 | 905 | 938 \pm 38 |
| 1984 ^a | | | | |
| Weekend | 893 \pm 27 | 1129 \pm 53 | | 1000 \pm 27 |
| Weekday | 951 \pm 63 | 1091 \pm 124 | | 1078 \pm 62 |
| Red drum | | | | |
| 1983 | | | | |
| Weekend | | | | |
| Weekday | | | | |
| 1984 ^a | | | | |
| Weekend | | | | |
| Weekday | | | | |

Table M.7. (Cont'd.)

| Species | Area | | | | | | | |
|-------------------|-----------|----------|----------------|----------|--------------------|--|------------------------|--|
| | Galveston | | Corpus Christi | | Lower Laguna Madre | | Coastwide ^a | |
| Year | Day type | | | | | | | |
| Red snapper | | | | | | | | |
| 1983 | | | | | | | | |
| | Weekend | 301 ± 6 | 330 ± 5 | 325 ± 16 | 306 ± 6 | | | |
| | Weekday | 300 ± 8 | 327 ± 28 | 307 ± 2 | 306 ± 9 | | | |
| 1984 ^a | | | | | | | | |
| | Weekend | 319 ± 9 | | 312 ± 6 | 318 ± 7 | | | |
| | Weekday | 294 ± 7 | 376 | 331 ± 10 | 307 ± 10 | | | |
| Sand seatrout | | | | | | | | |
| 1983 | | | | | | | | |
| | Weekend | 320 | | | 320 | | | |
| | Weekday | 293 | 354 | | 294 ± 291 | | | |
| 1984 ^a | | | | | | | | |
| | Weekend | | | | | | | |
| | Weekday | 289 | | 275 | 280 ± 155 | | | |
| Spanish mackerel | | | | | | | | |
| 1983 | | | | | | | | |
| | Weekend | 552 | | | 552 | | | |
| | Weekday | 581 ± 19 | | | 581 ± 19 | | | |
| 1984 ^a | | | | | | | | |
| | Weekend | | | | | | | |
| | Weekday | | | | | | | |
| Spotted seatrout | | | | | | | | |
| 1983 | | | | | | | | |
| | Weekend | | | | | | | |
| | Weekday | | | | | | | |
| 1984 ^a | | | | | | | | |
| | Weekend | | | | | | | |
| | Weekday | | | | | | | |
| Vermilion snapper | | | | | | | | |
| 1983 | | | | | | | | |
| | Weekend | 243 ± 6 | 310 ± 7 | 308 | 256 ± 7 | | | |
| | Weekday | 247 ± 5 | 326 ± 6 | 289 | 279 ± 7 | | | |
| 1984 ^a | | | | | | | | |
| | Weekend | 267 ± 12 | | 217 | 267 ± 12 | | | |
| | Weekday | 232 ± 6 | 285 | 370 | 259 ± 122 | | | |

Table M.7. (Cont'd.)

| Species Year | Area | | | | | | | |
|-----------------------------------|-----------|----|----------------|----|--------------------|----|------------------------|----|
| | Galveston | | Corpus Christi | | Lower Laguna Madre | | Coastwide ^a | |
| Day type | | | | | | | | |
| All species combined ^b | | | | | | | | |
| 1983 | | | | | | | | |
| Weekend | 305 ± | 11 | 371 ± | 7 | 340 ± | 27 | 317 ± | 11 |
| Weekday | 326 ± | 17 | 445 ± | 51 | 310 ± | 4 | 354 ± | 22 |
| 1984 ^a | | | | | | | | |
| Weekend | 329 ± | 22 | 900 ± | 74 | 337 ± | 26 | 340 ± | 20 |
| Weekday | 299 ± | 10 | 437 ± | 85 | 351 ± | 14 | 335 ± | 20 |

^aSurveys of headboats fishing in the Gulf of Mexico were discontinued on 10 September 1984.

^bIncludes "other" species.

Table M.8. Mean total lengths of fishes (mm/fish) \pm 1 SE caught by headboat fishermen in the FCZ during the low-use season by species, day type and area (1983-1984). Blank = no fish measured.

| Species | Area | | | |
|--------------------------|--------------|----------------|--------------------|------------------------|
| | Galveston | Corpus Christi | Lower Laguna Madre | Coastwide ^a |
| Year | | | | |
| Day type | | | | |
| Atlantic croaker | | | | |
| 1983 | | | | |
| Weekend | | 307 | | 307 |
| Weekday | | 288 \pm 5 | 300 | 288 \pm 12 |
| 1984 ^a | | | | |
| Weekend | | | | |
| Weekday | | | | |
| Atlantic sharpnose shark | | | | |
| 1983 | | | | |
| Weekend | 842 \pm 73 | 1034 | 970 \pm 25 | 852 \pm 77 |
| Weekday | 951 \pm 18 | 983 \pm 2 | 971 \pm 6 | 980 \pm 4 |
| 1984 ^a | | | | |
| Weekend | | | | |
| Weekday | | | | |
| Cobia | | | | |
| 1983 | | | | |
| Weekend | | | | |
| Weekday | | 1043 \pm 51 | | 1043 \pm 51 |
| 1984 ^a | | | | |
| Weekend | | | | |
| Weekday | | | | |
| King mackerel | | | | |
| 1983 | | | | |
| Weekend | | | | |
| Weekday | | | | |
| 1984 ^a | | | | |
| Weekend | | | | |
| Weekday | | | | |
| Red drum | | | | |
| 1983 | | | | |
| Weekend | | 641 | | 641 |
| Weekday | | 606 | | 606 |
| 1984 ^a | | | | |
| Weekend | | | | |
| Weekday | | | | |

Table M.8. (Cont'd.)

| Species | Area | | | |
|-------------------|-----------|----------------|--------------------|------------------------|
| | Galveston | Corpus Christi | Lower Laguna Madre | Coastwide ^a |
| Year | | | | |
| Day type | | | | |
| Red snapper | | | | |
| 1983 | | | | |
| Weekend | 299 ± 4 | 372 ± 17 | 335 ± 8 | 306 ± 5 |
| Weekday | 292 ± 4 | 367 ± 15 | 339 ± 15 | 327 ± 8 |
| 1984 ^a | | | | |
| Weekend | | | | |
| Weekday | | | | |
| Sand seatrout | | | | |
| 1983 | | | | |
| Weekend | 283 ± 22 | 318 ± 16 | | 307 ± 10 |
| Weekday | 321 | 317 | 419 | 326 ± 301 |
| 1984 ^a | | | | |
| Weekend | | | | |
| Weekday | | | | |
| Spanish mackerel | | | | |
| 1983 | | | | |
| Weekend | | | | |
| Weekday | | | | |
| 1984 ^a | | | | |
| Weekend | | | | |
| Weekday | | | | |
| Spotted seatrout | | | | |
| 1983 | | | | |
| Weekend | | | | |
| Weekday | | | | |
| 1984 ^a | | | | |
| Weekend | | | | |
| Weekday | | | | |
| Vermilion snapper | | | | |
| 1983 | | | | |
| Weekend | 237 ± 5 | 314 | 299 | 237 ± 6 |
| Weekday | 237 ± 6 | 303 ± 17 | 356 | 276 ± 19 |
| 1984 ^a | | | | |
| Weekend | | | | |
| Weekday | | | | |

Table M.8. (Cont'd.)

| Species Year | Area | | | |
|-----------------------------------|-----------|-------------------|-----------------------|------------------------|
| | Galveston | Corpus Christi | Lower Laguna Madre | Coastwide ^a |
| All species combined ^b | | | | |
| 1983 | | | | |
| Weekend | 293 ± 6 | 352 ± 20 | 353 ± 14 | 310 ± 7 |
| Weekday | 399 ± 8 | 385 ± 28 | 365 ± 22 | 332 ± 15 |
| 1984 ^a | | | | |
| Weekend | | | | |
| Weekday | | | | |

^aSurveys of headboats fishing in the Gulf of Mexico were discontinued on 10 September 1984.

^bIncludes "other" species.

Table M.9. Percent composition of "other" species caught by headboat fishermen in the FCZ by area, season and day type (1983-1984).

| Year | Season | Day type | Common name | Scientific name | Area | | | |
|---------|----------|----------|--------------------|----------------------------------|-----------|----------------|--------------------|-----------|
| | | | | | Galveston | Corpus Christi | Lower Laguna Madre | Coastwide |
| 1983-84 | High use | Weekend | Almaco jack | <u>Seriola rivoliana</u> | | 2.99 | | 1.06 |
| | | | Atlantic spadefish | <u>Chaetodipterus faber</u> | 19.76 | 1.20 | | 10.99 |
| | | | Bigeye | <u>Priacanthus arenatus</u> | 1.58 | 0.60 | | 1.06 |
| | | | Black drum | <u>Pogonias cromis</u> | | 1.20 | | 0.42 |
| | | | Bluefish | <u>Pomatomus saltatrix</u> | 0.79 | 0.60 | | 0.63 |
| | | | Blue runner | <u>Caranx crysos</u> | 2.77 | 2.40 | | 2.33 |
| | | | Burro grunt | <u>Pomadasys crocro</u> | | | 5.66 | 0.63 |
| | | | Crevalle jack | <u>Caranx hippos</u> | 0.40 | | | 0.21 |
| | | | Dolphin | <u>Coryphaena hippurus</u> | 0.79 | | | 0.42 |
| | | | Gray triggerfish | <u>Balistes capriscus</u> | 14.62 | 2.40 | | 8.67 |
| | | | Greater amberjack | <u>Seriola dumerili</u> | 10.67 | 65.87 | 7.55 | 29.81 |
| | | | Knobbed porgy | <u>Colamus nodosus</u> | 1.58 | 1.80 | 1.89 | 1.69 |
| | | | Pigfish | <u>Orthopristis chrysoptera</u> | | 1.80 | | 0.63 |
| | | | Pinfish | <u>Lagodon rhomboides</u> | 1.58 | 0.60 | | 1.06 |
| | | | Seabasses sp. | | | | | |
| | | | Graysby | <u>Epinephelus cruentatus</u> | 0.79 | | | 0.42 |
| | | | Rockhind | <u>Epinephelus adscensionis</u> | 0.40 | | | 0.21 |
| | | | Scamp | <u>Mycteroperca phenax</u> | 5.14 | 2.40 | 7.55 | 4.44 |
| | | | Warsaw | <u>Epinephelus nigritus</u> | 0.79 | 0.60 | 5.66 | 1.27 |
| | | | Yellowedge grouper | <u>Epinephelus flavolimbatus</u> | | | 54.72 | 6.13 |
| | | | Sharks sp. | | | | | |
| | | | Smooth dogfish | <u>Mustelus canis</u> | | 3.59 | | 1.27 |
| | | | Sandbar shark | <u>Carcharhinus plumbeus</u> | | | 5.66 | 0.63 |
| | | | Silky shark | <u>Carcharhinus falciformis</u> | | 0.60 | | 0.21 |
| | | | Silver seatrout | <u>Cynoscion nothus</u> | 0.40 | | 1.89 | 0.42 |
| | | | Snappers sp. | | | | | |
| | | | Gray snapper | <u>Lutjanus griseus</u> | 0.79 | | | 0.42 |
| | | | Lane snapper | <u>Lutjanus synagris</u> | 20.55 | 5.39 | 5.66 | 13.53 |
| | | | Southern flounder | <u>Paralichthys lethostigma</u> | 0.79 | | | 0.42 |
| | | | Squirrelfish | <u>Holocentrus ascensionis</u> | 0.79 | 4.79 | | 2.11 |

Table M.9. (Cont'd.)

| Year | Season | Day type | Common name | Scientific name | Area | | | Coastwide |
|---------|--------|----------|----------------------|--|-----------|----------------|--------------------|-----------|
| | | | | | Galveston | Corpus Christi | Lower Laguna Madre | |
| | | | Tilefish | <u>Lopholatilus</u> <u>chamaeleonticeps</u> | | | 3.77 | 0.42 |
| | | | Tomtate | <u>Haemulon</u> <u>aurolineatum</u> | 15.02 | 1.20 | | 8.46 |
| Weekday | | | Almaco jack | <u>Seriola</u> <u>rivoliana</u> | | 2.48 | | 0.24 |
| | | | Atlantic bonito | <u>Sarda</u> <u>sarda</u> | 0.18 | 1.65 | | 0.32 |
| | | | Atlantic spadefish | <u>Chaetodipterus</u> <u>faber</u> | 0.63 | | | 0.57 |
| | | | Bigeye | <u>Priacanthus</u> <u>arenatus</u> | 4.35 | | | 3.89 |
| | | | Bluefish | <u>Pomatomus</u> <u>saltatrix</u> | 17.77 | 2.48 | | 16.13 |
| | | | Blue runner | <u>Caranx</u> <u>crysos</u> | 4.53 | 8.26 | | 4.86 |
| | | | Creolefish | <u>Paranthias</u> <u>furcifer</u> | 1.00 | 0.83 | | 0.97 |
| | | | Crevalle jack | <u>Caranx</u> <u>hippos</u> | 0.09 | 7.44 | | 0.81 |
| | | | Dolphin | <u>Coryphaena</u> <u>hippurus</u> | 3.63 | 1.65 | 40.00 | 3.73 |
| | | | Gray triggerfish | <u>Balistes</u> <u>capriscus</u> | 9.07 | 7.44 | 10.00 | 8.91 |
| | | | Greater amberjack | <u>Seriola</u> <u>dumerili</u> | 7.16 | 35.54 | 10.00 | 9.97 |
| | | | Hardhead catfish | <u>Arius</u> <u>felis</u> | 1.00 | | | 0.89 |
| | | | Knobbed porgy | <u>Calamus</u> <u>nodosus</u> | 1.99 | 0.83 | | 1.86 |
| | | | Lefteye flounder sp. | Family Bothidae | 0.36 | | | 0.32 |
| | | | Little tunny | <u>Euthynnus</u> <u>alletteratus</u> | 0.36 | 0.83 | | 0.41 |
| | | | Ocellated flounder | <u>Ancylopsetta</u> <u>quadrocellata</u> | 0.36 | | | 0.32 |
| | | | Pigfish | <u>Orthopristis</u> <u>chrysoptera</u> | 1.09 | 1.65 | | 1.13 |
| | | | Pinfish | <u>Lagodon</u> <u>rhomboides</u> | 0.36 | 0.83 | | 0.41 |
| | | | Remora | <u>Remora</u> <u>remora</u> | 0.09 | | | 0.08 |
| | | | Seabasses sp. | | | | | |
| | | | Graysby | <u>Epinephelus</u> <u>cruentatus</u> | 0.18 | | | 0.16 |
| | | | Redgrouper | <u>Epinephelus</u> <u>norio</u> | 0.09 | | | 0.08 |
| | | | Red hind | <u>Epinephelus</u> <u>gutatus</u> | 0.09 | | | 0.08 |
| | | | Rock hind | <u>Epinephelus</u> <u>adscensionis</u> | 0.73 | 0.83 | | 0.73 |
| | | | Rock sea bass | <u>Centropristis</u> <u>philadelphica</u> | 0.08 | 1.65 | | 0.32 |
| | | | Scamp | <u>Mycteroperca</u> <u>phenax</u> | 1.72 | 3.31 | | 1.86 |
| | | | Warsaw | <u>Epinephelus</u> <u>nigritus</u> | 0.27 | | 10.00 | 0.32 |
| | | | Sharks sp. | | | | | |
| | | | Blacktip shark | <u>Carcharhinus</u> <u>limbatus</u> | | 1.65 | | 0.16 |
| | | | Smooth dogfish | <u>Mustelus</u> <u>canis</u> | | 1.65 | | 0.16 |

Table M.9. (Cont'd.)

| Year | Season | Day type | Common name | Scientific name | Area | | | |
|---------|---------|----------|----------------------|----------------------------------|-----------|----------------|--------------------|-----------|
| | | | | | Galveston | Corpus Christi | Lower Laguna Madre | Coastwide |
| | | | Requiem sharks | Family Carcharhinidae | | 7.44 | | 0.73 |
| | | | Scalloped hammerhead | <u>Sphyrna lewini</u> | 0.83 | | | 0.08 |
| | | | Silky shark | <u>Carcharhinus falciformis</u> | | 1.65 | | 0.16 |
| | | | Snapper sp. | | | | | |
| | | | Dog snapper | <u>Lutjanus jocu</u> | 0.63 | 0.83 | | 0.65 |
| | | | Gray snapper | <u>Lutjanus griseus</u> | | | 20.00 | 0.16 |
| | | | Lane snapper | <u>Lutjanus synagris</u> | 38.26 | 4.96 | 10.00 | 34.76 |
| | | | Southern flounder | <u>Paralichthys lethostigma</u> | 0.09 | 0.83 | | 0.16 |
| | | | Spotted scorpionfish | <u>Scorpaena plumieri</u> | 0.09 | | | 0.08 |
| | | | Squirrel fish | <u>Holocentrus ascensionis</u> | 0.45 | 2.48 | | 0.65 |
| | | | Stingrays sp. | Family Dasyatidae | 0.09 | | | 0.08 |
| | | | Tomtate | <u>Haemulon aurolineatum</u> | 2.99 | | | 2.67 |
| | | | Whitebone porgy | <u>Calamus leucosteus</u> | 0.09 | | | 0.08 |
| Low use | | | | | | | | |
| | Weekend | | Atlantic moonfish | <u>Selene setapinnis</u> | 1.22 | | | 0.34 |
| | | | Atlantic spadefish | <u>Chaetodipterus faber</u> | | 40.31 | | 26.19 |
| | | | Bearded brotula | <u>Brotula barbata</u> | | | 4.76 | 0.34 |
| | | | Black drum | <u>Pogonias cromis</u> | | 1.05 | | 0.68 |
| | | | Blue fish | <u>Pomatomus saltatrix</u> | | 0.52 | | 0.34 |
| | | | Dwarf sand perch | <u>Diplectrum bivittatum</u> | | 4.19 | | 2.72 |
| | | | Gray triggerfish | <u>Balistes capriscus</u> | 9.76 | 2.62 | | 4.42 |
| | | | Greater amberjack | <u>Seriola dumerili</u> | 1.22 | | | 0.34 |
| | | | Knobbed porgy | <u>Calamus nodosus</u> | 10.98 | | 14.29 | 4.08 |
| | | | Little tunny | <u>Euthynnus alletteratus</u> | | 4.71 | | 3.06 |
| | | | Ocellated flounder | <u>Ancylosetta quadrocellata</u> | 1.22 | | | 0.34 |
| | | | Pigfish | <u>Orthopristis chrysoptera</u> | 3.66 | 37.70 | 4.76 | 25.85 |
| | | | Pinfish | <u>Lagodon rhomboides</u> | 14.63 | 4.19 | | 6.80 |
| | | | Rainbow runner | <u>Elagatis bipinnulata</u> | 1.22 | | | 0.34 |
| | | | Seabasses sp. | | | | | |
| | | | Bank sea bass | <u>Centropistis ocyurus</u> | 2.44 | | | 0.68 |
| | | | Black grouper | <u>Mycteroperca bonaci</u> | | | 9.52 | 0.68 |
| | | | Gag | <u>Mycteroperca microlepis</u> | | | 4.76 | 0.34 |
| | | | Red hind | <u>Epinephelus guttatus</u> | 1.22 | | | 0.34 |

Table M.9. (Cont'd.)

| Year Season Day type | Common name | Scientific name | Area | | | |
|----------------------------|----------------------|------------------------------------|-----------|----------------|--------------------|-----------|
| | | | Galveston | Corpus Christi | Lower Laguna Madre | Coastwide |
| | Rock hind | <u>Epinephelus adscensionis</u> | | 0.52 | 19.05 | 1.70 |
| | Rock sea bass | <u>Centropristis philadelphica</u> | | 2.62 | | 1.70 |
| | Scamp | <u>Mycteroperca phenax</u> | 7.32 | | 9.52 | 2.72 |
| | Warsaw grouper | <u>Epinephelus nigritus</u> | 2.44 | 1.05 | 14.29 | 2.38 |
| | Shark sp. | | | | | |
| | Blacktip shark | <u>Carcharhinus limbates</u> | | | 9.52 | 0.68 |
| | Scalloped hammerhead | <u>Sphyrna lewini</u> | 1.22 | | 9.52 | 1.02 |
| | Silver seatrout | <u>Cynoscion nothus</u> | 2.44 | | | 0.68 |
| | Snapper sp. | | | | | |
| | Lane snapper | <u>Lutjanus synagris</u> | 18.29 | | | 5.10 |
| | Southern flounder | <u>Paralichthys lethostigma</u> | | 0.52 | | 0.34 |
| | Tomtate | <u>Haemulon aurolineatum</u> | 20.73 | | | 5.78 |
| Weekday | Atlantic spadefish | <u>Chaetodipterus faber</u> | | 65.24 | | 42.41 |
| | Bigeye | <u>Priacanthus arenatus</u> | 1.19 | | | 0.31 |
| | Black drum | <u>Pogonias cromis</u> | | 0.95 | | 0.62 |
| | Blue fish | <u>Pomatomus saltatrix</u> | 1.19 | 0.48 | | 0.62 |
| | Creville jack | <u>Caranx hippos</u> | | 0.95 | | 0.62 |
| | Gray triggerfish | <u>Balistes capriscus</u> | 36.90 | 1.43 | 6.90 | 11.15 |
| | Greater amberjack | <u>Seriola dumerili</u> | | 0.95 | | 0.62 |
| | Knobbed porgy | <u>Calamus nodosus</u> | 1.19 | | 10.34 | 1.24 |
| | Little tunny | <u>Euthynnus alletteratus</u> | | 1.43 | | 0.93 |
| | Pigfish | <u>Orthopristis chrysoptera</u> | 7.14 | 8.10 | | 7.12 |
| | Pinfish | <u>Lagodon rhomboides</u> | 1.19 | 1.43 | | 1.24 |
| | Seabasses sp. | | | | | |
| | Black grouper | <u>Mycteroperca bonaci</u> | | | 17.24 | 1.55 |
| | Gag | <u>Mycteroperca microlepis</u> | 1.19 | 0.95 | | 0.93 |
| | Rock hind | <u>Epinephelus adscensionis</u> | 1.19 | | 6.90 | 0.93 |
| | Rock sea bass | <u>Centropristis philadelphica</u> | 3.57 | 6.67 | 3.45 | 5.57 |
| | Scamp | <u>Mycteroperca phenax</u> | 1.19 | | 13.79 | 1.55 |
| | Warsaw | <u>Epinephelus nigritus</u> | 4.76 | 0.95 | 13.79 | 3.10 |
| | Yellowedge grouper | <u>Epinephelus flavolimbatus</u> | | | 3.45 | 0.31 |
| | Sharks sp. | | | | | |

Table M.9. (Cont'd.)

| Year Season | Day type | Common name | Scientific name | Area | | | |
|----------------|----------|----------------------|----------------------------------|-----------|----------------|--------------------|-----------|
| | | | | Galveston | Corpus Christi | Lower Laguna Madre | Coastwide |
| | | Dusky shark | <u>Carcharhinus obscurus</u> | | | 10.34 | 0.93 |
| | | Scalloped hammerhead | <u>Sphyrna lewini</u> | | | 6.90 | 0.62 |
| | | Silver seatrout | <u>Cynoscion nothus</u> | 16.67 | 10.48 | | 11.15 |
| | | Snapper sp. | | | | | |
| | | Gray snapper | <u>Lutjanus griseus</u> | | | 6.90 | 0.62 |
| | | Lane snapper | <u>Lutjanus synagris</u> | 11.90 | | | 3.10 |
| | | Southern flounder | <u>Paralichthys lethostegina</u> | 1.19 | | | 0.31 |
| | | Squirrel fish | <u>Holocentrus ascensionis</u> | 1.19 | | | 0.31 |
| | | Tomtate | <u>Haemulon aurolineatum</u> | 8.33 | | | 2.17 |
| 1984 | | | | | | | |
| | High use | | | | | | |
| | Weekend | Almaco jack | <u>Seriola rivoliana</u> | 0.18 | | | 0.17 |
| | | Atlantic bonito | <u>Sarda sarda</u> | 0.18 | 12.50 | | 0.34 |
| | | Bigeye | <u>Priacanthus arenatus</u> | 0.55 | | | 0.51 |
| | | Blackfin tuna | <u>Thunnus atlanticus</u> | 0.18 | | | 0.17 |
| | | Black margate | <u>Anisotremus surinamensis</u> | | | 2.38 | 0.17 |
| | | Blue fish | <u>Pomatomus saltatrix</u> | 1.10 | | | 1.01 |
| | | Blue runner | <u>Caranx crysos</u> | | | 7.14 | 0.51 |
| | | Chub mackerel | <u>Scomber japonicus</u> | 1.84 | | | 1.68 |
| | | Creville jack | <u>Caranx hippos</u> | | 25.00 | | 0.34 |
| | | Dolphin | <u>Coryphaena hippurus</u> | 0.37 | | | 0.34 |
| | | Gray triggerfish | <u>Balistes capriscus</u> | 9.74 | | 2.38 | 9.09 |
| | | Greater amberjack | <u>Seriola dumerili</u> | 14.52 | | | 13.30 |
| | | Hairy blenny | <u>Labrisomus nuchipinnis</u> | 0.18 | | | 0.17 |
| | | Knobbed porgy | <u>Calamus nodosus</u> | 2.57 | | 40.48 | 5.22 |
| | | Little tunny | <u>Euthynnus alletteratus</u> | | 50.00 | | 0.67 |
| | | Longspine porgy | <u>Stenotomus caprinus</u> | 0.37 | | | 0.34 |
| | | Ocellated flounder | <u>Ancylosetta quadrocellata</u> | 0.18 | | | 0.17 |
| | | Ocellated frogfish | <u>Antenngyius ocellatus</u> | 0.18 | | 0.17 | |
| | | Pinfish | <u>Lagodon rhomboides</u> | 1.29 | | | 0.18 |
| | | Seabasses sp. | | | | | |
| | | Black grouper | <u>Mycheroperca bonaci</u> | | | 4.76 | 0.34 |
| | | Gag | <u>Mycteroperca microlepis</u> | | | 11.90 | 0.84 |

Table M.9. (Cont'd.)

| Year | Season | Day type | Common name | Scientific name | Area | | | |
|------|---------|----------|----------------------|------------------------------------|-----------|----------------|--------------------|-----------|
| | | | | | Galveston | Corpus Christi | Lower Laguna Madre | Coastwide |
| | | | Graysby | <u>Epinephelus cruentatus</u> | 0.37 | | | 0.34 |
| | | | Red grouper | <u>Epinephelus morio</u> | 0.37 | | | 0.34 |
| | | | Rock hind | <u>Epinephelus adscensionis</u> | 2.02 | | 9.52 | 2.53 |
| | | | Rock sea bass | <u>Centropristis philadelphica</u> | 0.37 | | 2.38 | 0.51 |
| | | | Scamp | <u>Mycteroperca phenax</u> | 3.49 | | 4.76 | 3.54 |
| | | | Sharks sp. | | | | | |
| | | | Blacktip shark | <u>Carcharhinus limbatus</u> | | 12.50 | | 0.17 |
| | | | Smooth dogfish | <u>Mustelus canis</u> | 4.41 | | | 4.04 |
| | | | Scalloped hammerhead | <u>Sphyrna lewini</u> | | | 7.14 | 0.51 |
| | | | Snapper sp. | | | | | |
| | | | Gray snapper | <u>Lutjanus griseus</u> | 0.18 | | 4.76 | 0.51 |
| | | | Lane snapper | <u>Lutjanus synagris</u> | 50.37 | | | 46.13 |
| | | | Southern flounder | <u>Paralichthys lethostigma</u> | | | 2.38 | 0.17 |
| | | | Squirrelfish | <u>Holocentrus ascensionis</u> | 0.55 | | | 0.51 |
| | | | Tomtate | <u>Haemulon aurolineatum</u> | 4.41 | | | 4.04 |
| | Weekday | | Atlantic bonita | <u>Sarda sarda</u> | 0.55 | | | 0.45 |
| | | | Atlantic spadefish | <u>Chaetodipterus faber</u> | 14.07 | | | 12.74 |
| | | | Bigeye | <u>Priacanthus arenatus</u> | 3.87 | | 4.76 | 3.41 |
| | | | Blue runner | <u>Caranx crysos</u> | | | 9.52 | 0.45 |
| | | | Creole fish | <u>Paranthias furcifer</u> | 0.28 | | | 0.23 |
| | | | Crevalle jack | <u>Caranx hippos</u> | 0.28 | 35.09 | 4.76 | 5.00 |
| | | | Dolphin | <u>Coryphaena hippurus</u> | 0.28 | | | 0.23 |
| | | | Gray triggerfish | <u>Balistes capriscus</u> | 12.71 | | 4.76 | 10.68 |
| | | | Greater amberjack | <u>Seriola dumerili</u> | 15.75 | 21.05 | 4.76 | 15.91 |
| | | | Knobbed porgy | <u>Calamus nodosus</u> | 0.55 | | | 0.45 |
| | | | Little tunny | <u>Euthynnus alletteratus</u> | 0.28 | 28.07 | | 3.86 |
| | | | Ocellated flounder | <u>Ancylopsettea quadrocellata</u> | 0.28 | | | 0.23 |
| | | | Pigfish | <u>Orthopristis chrysoptera</u> | 1.10 | | | 0.91 |
| | | | Pinfish | <u>Lagodon rhomboides</u> | 0.55 | | | 0.45 |
| | | | Pompano dolphin | <u>Coryphaena equisetis</u> | 1.10 | | | 0.91 |
| | | | Porgies sp. | Family Sparidae | 1.93 | | | 1.59 |
| | | | Seabasses sp. | Family Serranidae | 0.28 | | | 0.23 |
| | | | Black grouper | <u>Mycteroperca bonaci</u> | | | 4.76 | 0.23 |
| | | | Red hind | <u>Epinephelus guttatus</u> | 0.55 | | | 0.45 |

Table M.9. (Cont'd.)

| Year Season | Day type | Common name | Scientific name | Area | | | |
|----------------|----------|----------------------|------------------------------------|-----------|----------------|--------------------|-----------|
| | | | | Galveston | Corpus Christi | Lower Laguna Madre | Coastwide |
| | | Rock hind | <u>Epinephelus adscensions</u> | 1.10 | | 9.52 | 1.36 |
| | | Rock sea bass | <u>Centropristis philadelphica</u> | | | 4.76 | 0.23 |
| | | Scamp | <u>Mycteroperca phenax</u> | 1.66 | 14.04 | | 3.18 |
| | | Warsaw | <u>Epinephelus nigritus</u> | 0.83 | | 4.76 | 0.91 |
| | | Yellowedge grouper | <u>Epinephelus flavolimbatus</u> | | | 14.29 | 0.68 |
| | | Sharks sp. | | | | | |
| | | Blacktip shark | <u>Carcharhinus limbatus</u> | | 1.75 | | 0.23 |
| | | Smooth dogfish | <u>Mustelus canis</u> | 0.28 | | | 0.23 |
| | | Great hammerhead | <u>Sphyrna mokarran</u> | 0.28 | | | 0.23 |
| | | Requiem sharks | Family <u>Carcharhinidae</u> | 0.28 | | | 0.23 |
| | | Scalloped hammerhead | <u>Sphyrna lewini</u> | | | 4.76 | 0.23 |
| | | Silky shark | <u>Carcharhinus falciformis</u> | | 23.81 | 1.14 | |
| | | Snapper sp. | | | | | |
| | | Dog snapper | <u>Lutjanus jocu</u> | 0.28 | | | 0.23 |
| | | Gray snapper | <u>Lutjanus griseus</u> | 0.55 | | | 0.45 |
| | | Lane snapper | <u>Lutjanus synagris</u> | 32.32 | | | 26.59 |
| | | Southern flounder | <u>Paralichthys lethostigma</u> | 0.55 | | | 0.45 |
| | | Squirrel fishes sp. | Family <u>Holocentidae</u> | 0.55 | | | 0.45 |
| | | Tomtate | <u>Haemulon aurolineatum</u> | 6.91 | | 4.76 | 5.91 |

Table M.10. Percent composition of the annual residential origin of headboat fishermen (percent) in the FCZ by area (1983-84).

| Area Year | Adjacent coastal counties | Non-adjacent coastal counties | Non-coastal counties | Other states and countries |
|--------------------|------------------------------|----------------------------------|-------------------------|-------------------------------|
| Galveston | | | | |
| 1983-84 | 57 | 2 | 30 | 10 |
| 1984 ^a | 62 | 4 | 23 | 10 |
| Corpus Christi | | | | |
| 1983-84 | 7 | 5 | 66 | 22 |
| 1984 ^a | 7 | 7 | 70 | 16 |
| Lower Laguna Madre | | | | |
| 1983-84 | 31 | 1 | 27 | 42 |
| 1984 ^a | 29 | 10 | 38 | 23 |
| Coastwide | | | | |
| 1983-84 | 37 | 3 | 41 | 19 |
| 1984 ^a | 45 | 6 | 35 | 14 |

^aSurveys of headboats fishing in the Gulf of Mexico were discontinued on 10 September 1984.

Table M.11. Percent composition of the residential origin of headboat fishermen in the FCZ during the high-use season by area and day type (1983-1984).

| Area Year | Weekend | | | | Weekday | | | |
|---------------------------|---------------------------|-------------------------------|----------------------|------------------------|---------------------------|-------------------------------|----------------------|------------------------|
| | Adjacent coastal counties | Non-adjacent coastal counties | Non-coastal counties | Other states/countries | Adjacent coastal counties | Non-adjacent coastal counties | Non-coastal counties | Other states/countries |
| Galveston | | | | | | | | |
| 1983 | 65 | 2 | 26 | 8 | 51 | 3 | 33 | 13 |
| 1984 ^a | 79 | 6 | 12 | 3 | 48 | 3 | 33 | 16 |
| Corpus Christi | | | | | | | | |
| 1983 | 6 | 8 | 78 | 7 | 7 | 8 | 61 | 23 |
| 1984 ^a | 2 | 9 | 72 | 17 | 9 | 7 | 69 | 15 |
| Lower Laguna Madre | | | | | | | | |
| 1983 | 21 | 3 | 63 | 13 | 20 | 4 | 41 | 35 |
| 1984 ^a | 50 | 5 | 31 | 15 | 14 | 14 | 43 | 28 |
| Coastwide | | | | | | | | |
| 1983 | 39 | 4 | 49 | 8 | 36 | 4 | 42 | 18 |
| 1984 ^a | 63 | 6 | 24 | 7 | 33 | 6 | 43 | 18 |

^aSurveys of headboats fishing in the Gulf of Mexico were discontinued on 10 September 1984.

Table M.12. Percent composition of the residential origin of headboat fishermen in the FCZ during the low-use season by area and day type (1983-1984),

| Area Year | Weekend | | | | Weekday | | | |
|-------------------------------|---------------------------|-------------------------------|----------------------|------------------------|---------------------------|-------------------------------|----------------------|------------------------|
| | Adjacent coastal counties | Non-adjacent coastal counties | Non-coastal counties | Other states/countries | Adjacent coastal counties | Non-adjacent coastal counties | Non-coastal counties | Other states/countries |
| Galveston 1983-84 | 73 | 1 | 23 | 4 | 43 | 1 | 39 | 16 |
| Corpus Christi 1983-84 | 7 | 3 | 76 | 14 | 9 | 1 | 47 | 44 |
| Lower Laguna Madre 1983-84 | 46 | 0 | 16 | 37 | 30 | 0 | 10 | 60 |
| Coastwide 1983-84 | 45 | 1 | 40 | 14 | 27 | 1 | 33 | 39 |

Table M.13. Mean fishing-party size (No. of fishermen) and mean fishing time (h) for headboat fishermen in the FCZ by area, season and day type (1983-1984). Blank = no fishermen interviewed.

| Area Year | Mean fishing-party size | | | | | Mean fishing time | | | | |
|---------------------------|-------------------------|---------|----------------|---------|--------|-------------------|---------|----------------|---------|--------|
| | High-use season | | Low-use season | | Annual | High-use season | | Low-use season | | Annual |
| | Weekend | Weekday | Weekend | Weekday | | Weekend | Weekday | Weekend | Weekday | |
| Galveston | | | | | | | | | | |
| 1983-84 | 55.3 | 50.8 | 47.0 | 35.6 | 48.4 | 3.4 | 4.0 | 3.0 | 3.8 | 3.6 |
| 1984 ^a | 59.8 | 50.7 | | | 54.5 | 3.1 | 3.0 | | | 3.0 |
| Corpus Christi | | | | | | | | | | |
| 1983-84 | 44.6 | 22.4 | 25.7 | 16.6 | 24.4 | 3.1 | 3.3 | 2.6 | 3.5 | 3.2 |
| 1984 ^a | 29.0 | 33.0 | | | 31.7 | 4.2 | 4.8 | | | 4.6 |
| Lower Laguna Madre | | | | | | | | | | |
| 1983-84 | 25.3 | 17.8 | 24.2 | 23.2 | 22.6 | 8.0 | 8.8 | 6.2 | 7.2 | 7.4 |
| 1984 ^a | 22.0 | 26.4 | | | 24.4 | 4.2 | 3.4 | | | 3.8 |
| Coastwide | | | | | | | | | | |
| 1983-84 | 45.1 | 33.9 | 32.0 | 22.7 | 32.3 | 3.4 | 3.7 | 2.9 | 3.6 | 3.5 |
| 1984 ^a | 40.5 | 38.7 | | | 39.4 | 3.7 | 3.6 | | | 3.6 |

^aSurveys of headboat fishermen in the Gulf of Mexico were discontinued on 10 September 1984.

