Marine Angler Expenditures in the Southeast Region, 1999

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In 1999, a recreational fishing expenditure survey was conducted in the Southeast region as an add-on to the National Marine Fisheries Service's Marine Recreational Fisheries Statistics Survey (MRFSS). This report summarizes the results of the expenditure survey, and provides state-level estimates of direct sales resulting from anglers' expenditures in 1999.



Anglers' daily trip expenditures are reported for each state and fishing mode by resident type (i.e., state resident or non-resident). Expenditures on fishing equipment and other semi-durable and durable items used primarily for saltwater recreational fishing are provided at the state-level. Sample descriptive statistics (means, weighted means, and standard errors) are presented by state for all expenditure estimates and confidence intervals calculated for the total expenditure statistics. Total resident expenditures were considerably larger than that of non-residents. Recreational participants in Louisiana, North Carolina, and Florida incurred the highest total recreational fishing expenditures in the Southeast region. Anglers fishing in these states spent between \$1.2 and \$8.4 billion on marine recreational fishing in 1999. Across all Southeast states, recreational fishing expenditures in 1999 totaled \$12.5 billion.

early 3.7 million saltwater anglers fished 30.3 million days in the Southeast region of the U.S. (North Carolina through Louisiana) in 1999 (NMFS 2001). In addition to the leisure benefits these anglers received from participating in saltwater fishing, their expenditures generated monetary benefits in the form of sales, income, and employment throughout the Southeast. A variety of goods and services were purchased from sporting goods stores, specialty stores, bait and tackle shops, guide services, marinas, grocery stores, automobile service stations, and restaurants. The economic impacts of these purchases rippled throughout the Southeast's economy and provided incomes and jobs in manufacturing, transportation industries, and service sectors.

With the passage of the Sustainable Fisheries Act (P.L. 104-297) in 1996, which amended the Magnuson-Stevens Fishery Conservation and Management Act (MSFCMA), Congress mandated the analysis of economic impacts of management policies on fishing participants and coastal communities. A similar appraisal is also required under the National Environmental Policy Act (NEPA) and Executive Order 12866. As a result, in 1999/2000 the National Marine Fisheries Service (NMFS) conducted an economic expenditure survey in the Southeast (SE) United States to evaluate recreational fishing expenditures and the economic impacts generated from these expenditures in this region. The expenditure survey was conducted as

Introduction

part of the 1999/2000 Marine Recreational Fishery Statistics Survey (MRFSS) in the SE and was a follow-up to a comprehensive SE marine recreational economic survey conducted in 1997 (Gentner and Lowther, forthcoming).

The purpose of this report is to summarize the results of the 1999/2000 economic expenditure survey and to provide state-level estimates of direct sales resulting from anglers' expenditures in the SE in 1999/2000. Summary statistics presented in this document will be used in the future to assess total sales, income, and employment generated from angler expenditures. The report begins with a brief description of the base MRFSS and the economic data collection methods used to date. Survey response rates are then discussed followed by a review of the procedures used to estimate expenditures. Sample statistics (means, weighted means, and standard errors) are provided by state for all expenditure estimates and confidence intervals are shown for the total expenditure statistics. The report concludes with a review of major findings, a description of data collection efforts in other regions of the U.S., and a discussion of future research.

The Marine Recreational Fisheries Statistics Survey

The Base Surveys

Since 1979, the MRFSS has collected data to estimate the total bimonthly fishing effort (number of days fished), participation, and finfish catch by marine recreational anglers in the Southeast. The MRFSS consists of two independent yet complementary surveys: an intercept survey of marine anglers at fishing access sites and a random digit dial (RDD) telephone survey of coastal county households.

The intercept survey was designed to provide a random sample of all marine recreational fishing trips. Data from the intercept survey are primarily used to estimate mean catch-per-trip by species. Participation and effort are estimated using data acquired through the RDD survey of coastal households. Coastal county households are sampled randomly using the random digit dialing technique described by Groves et al. (1988).

All anglers in a contacted household are identified, and each is asked about his fishing activity during the previous two-month period. The RDD survey therefore provides data to estimate effort and participation by coastal residents living in households with telephones. Ratios from the intercept survey are used to correct these effort estimates to account for non-coastal residents and coastal residents who do

not have telephones, as those groups are not covered in the household sampling frame. Readers unfamiliar with the MRFSS sampling procedures are encouraged to review Gray et. al (1999) for further details.

Expenditure Surveys

To take advantage of sampling, survey design, and quality control procedures already in place, the economic survey was designed as an add-on to the MRFSS. The economic expenditure survey involved three phases. The first phase added a series of questions to the MRFSS intercept survey, linking basic economic information to trip-specific catch information and behavior. Intercepted anglers were then asked to participate in the second phase of the survey, the telephone follow-up. The telephone follow-up solicited detailed expenditure data. The third phase added several of the expenditure questions asked on the follow-up survey to the RDD survey of coastal household residents.

The intercept survey collected information from both day-trip anglers and multi-day (overnight) anglers (Appendix 1). Information collected from multi-day anglers included; number of days away from residence, number of days spent fishing, and whether or not the primary purpose of the trip was for fishing. All anglers were asked how many days they fished in the last two months and whether they owned a boat used primarily for saltwater fishing. Additionally, anglers were asked about

their household income, the number of hours worked per week and whether they took time off work without pay to make their trip.

The telephone follow-up survey collected detailed expenditure data (Appendix 2). Expenditure data categories included trip-related goods (food, refreshments, lodging, travel costs, boat fuel, charter fees, access or boat launching fees, equipment rental, bait, and ice), fishing equipment and semidurable items (rods, reels, lines, tackle, magazines, club dues, special fishing clothing, camping gear, binoculars, and taxidermy), and durable goods (motor boats and accessories, non-motorized boats, boating electronics, mooring, boat storage, boat insurance and vehicles or second homes used primarily for marine angling).

The RDD add-on survey was designed so that expenditure responses from a random sample of households could be compared to responses from a random sample of trips (i.e., to both the intercept and telephone follow-up surveys). As such, it collects a similar set of expenditure elements (Appendix 3). The RDD provides data that could be used to test for an avidity bias associated with collecting expenditure data from intercepted anglers.

Response Rates

A total of 71,967 economic intercepts were attempted and 64,470 (90%) were completed. Approximately 32% (20,493) of the respondents that com-

pleted the economic intercept survey agreed to participate in the economic follow-up survey. However, only 15,510 of these anglers (76%) completed the entire economic follow-up questionnaire. Anglers that could not be reached in six calls comprised the majority of the non-respondents, followed by wrong numbers and a small number of refusals. For the RDD survey, a total of 155,980 households were contacted; 11,559 of these were identified as saltwater fishing households. Of the fishing households, 9,271 (80%) successfully completed the RDD survey.

Average Expenditures

verage daily trip expenditures were estimated for each state and fishing mode (charter boat; private/rental boat; and shore) by resident type (resident or non-resident). Anglers reported making two types of trips: day trips and multi-day (overnight) trips. Overnight anglers were asked to report trip length, number of days fished, and total trip cost.

For overnight anglers, average daily costs for expenditures directly related to fishing, such as boat fuel, guide or package fees, access and/or boat launching fees, equipment rental (boat, fishing or camping equipment), bait, ice, and public transportation were calculated by dividing the total amount spent by the number of days fished. For expenditures not directly associated with fishing (e.g., food/drink/refreshments and lodging at motels/cabins/ lodges/campgrounds, etc.), average daily costs were derived by dividing total expenses on multi-day (overnight) trips by the length of these trips. This approach for estimating indirect average costs per day assumes constant daily food, beverage, and lodging expenditures for anglers on overnight trips.

Additional procedures were required to estimate private transportation costs. Round-trip mileage traveled in each state where fishing trips occurred was estimated using PCMILER software (ALK Associates, Inc. 1995) and

multiplied by 12.2 cents per mile (American Automobile Association estimate of the average per mile variable cost of operating a car in 2000) to calculate state-level private travel expenses. For overnight trips, daily expense estimates were determined by dividing total in-state expenses by the number of days fished on the trip. Finally, since anglers identified how many people shared trip expenses, each angler's total daily transportation expense was divided by the average number of contributors, by state and mode.

Apart from trip-related expenditures, anglers also purchase fishing equipment and other durable items used primarily for saltwater recreational fishing. Two-month estimates of average angler expenditures for fishing equipment and semi-durable items were calculated with data collected from the telephone follow-up survey.² Annual estimates of expenditures of durable items were also derived.

Sample Variability

Prior to generating expenditure estimates, various statistical tests and adjustments were made to the data. One-way analyses of variance (ANOVA) tests revealed that intercepted anglers in the SE fished significantly more days per two-month period (7.80 days), on average, than those contacted randomly over the phone for the RDD survey (5.49 days).³ The ANOVA results were not surprising considering the sample selection

differences between the intercept and RDD surveys.

The RDD survey incorporated uniform selection probabilities with respect to contacting individuals. That is, avid anglers were just as likely to be interviewed as those that fished less frequently. In contrast, the probability of selection for the intercept survey was uniform across fishing trips, but higher for participants who fished more frequently. As a result, avid anglers were disproportionately represented in the intercept sample. This avidity bias does not effect the estimation of anglers' daily trip expenditures since the selection probability was uniform across fishing trips. However, the bias may effect the 2-month and annual expenditure estimates to the extent they are

Linear regression analysis of a similar data set for the Northeast Region (Maine through Virginia) indicated a positive relationship between expenditures and avidity (Steinback and Gentner, 2001). This relationship held for almost all categories of both 2-month and annual expenditures. This suggests that more avid anglers spend more money on bi-monthly and annual fishing expenses.

correlated with avidity.

ANOVAs were also conducted to compare estimates of mean expenditures from the intercept data with those derived from the RDD survey. Average expenditures on

survey. Average expenditures on durable goods, semi-durable goods, and fishing equipment were compared between the two surveys. In almost all cases, average expenditures estimated from the intercepted respondents were significantly higher (P<0.05) then the estimates obtained from the RDD survey (Table 1).4

In combination, the statistical evaluations indicate that the 2-month and annual data collected from intercepted anglers do not reflect the expenditure

Table 1. Results of Analysis of Variance Tests to Compare RDD and Intercept Follow-up Survey Expenditure Means in the Southeast.

| | Mear | | |
|-----------------------------|-----------|----------|----------------------|
| Expenditures | Intercept | RDD | F-value ¹ |
| Fishing Equipment (\$) | | | |
| Rods/Reels/Lines | 101.16 | 63.26 | 96.51 * |
| Tackle/Gear | 46.50 | 37.54 | 17.75 |
| Semi-Durables (\$) | | | |
| Special Fishing Clothing | 10.11 | 8.19 | 7.51 |
| Magazines | 5.01 | 4.09 | 7.63 |
| Club Dues | 9.71 | 6.23 | 2.29 |
| License Fees | 10.53 | 10.87 | 0.22 |
| Durables (\$) | | | |
| Motor Boats and Accessories | 2,145.58 | 1,580.51 | 30.97 |
| Non-motorized Boats | 32.03 | 23.08 | 0.54 |
| Boating Electronics | 631.16 | 75.57 | 49.29 |
| Vehicles | 966.69 | 1,137.90 | 4.87 |
| Effort | | | |
| Number of Trips | 7.80 | 5.49 | 943.83 * |

¹Tests the null hypothesis H_0 : $\mu_{Follow-up} = \mu_{RDD}$, that the mean value from the follow-up survey is the same as the mean value from the RDD survey.

Methods

^{*} indicates significance differences (P<0.05)

patterns of the general fishing population - assuming the RDD survey captures the spending behavior of the general population. Estimates generated from the intercepted sample contain a higher proportion of responses from avid anglers. Because of the positive relationship between avidity and expenditures found in previous surveys and the apparent differences indicated here, the intercepted responses are upwardly biased. To correct for the avidity bias, weighted means were calculated as described below.

Procedure to Correct for Avidity Bias

Using a procedure adapted from Thomson (1991), estimates of means were computed as follows:

(1)
$$\hat{R} = \frac{\sum_{s} \frac{Y_{k}}{X_{k}}}{\sum_{s} \frac{1}{X_{k}}},$$

where R is the weighted mean (the "hat" notation denotes estimated quantities); Y_k is the expenditure of angler k; X_k is the avidity of angler k; and s represents the population sample. Equation (1) corrects for the unequal selection probabilities of intercepted anglers due to the avidity bias and produces consistent estimates of mean expenditures with relatively high precision.⁵ The associated variance, $\hat{V}(\hat{R})$, developed by Thomson (1991), was estimated by

(2)

$$\hat{V}(\hat{R}) = \left[\frac{\sum_{s} \frac{Y_{k}}{X_{k}}}{\sum_{s} \frac{1}{X_{k}}} \right]^{2} \frac{1}{m} \left[\frac{S_{\frac{Y}{X}}^{2}}{\hat{R}^{2}} + \frac{S_{\frac{1}{X}}^{2}}{1} - \frac{2S_{\left(\frac{Y}{X}\right)\left(\frac{1}{X}\right)}}{\hat{R}} \right];$$

where

$$S_{\frac{Y}{X}}^{2} = \frac{1}{m-1} \left[\sum_{s} \left(\frac{Y_{k}}{X_{k}} \right)^{2} - m \left(\frac{\overline{Y_{k}}}{X_{k}} \right)^{2} \right],$$

$$S_{\frac{1}{X}}^{2} = \frac{1}{m-1} \left[\sum_{s} \left(\frac{1}{X_{k}} \right)^{2} - m \left(\frac{1}{X_{k}} \right)^{2} \right],$$

and

$$S_{\left(\frac{Y}{X}\right)\left(\frac{1}{X}\right)} = \frac{1}{m-1} \left[\sum_{s} \frac{Y_{k}}{X_{k}^{2}} - m \frac{\overline{Y_{k}}}{X_{k}} \frac{\overline{1}}{X_{k}} \right].$$

m is the number of observations in the sample, $\frac{\overline{Y_k}}{X_k}$ is the sample mean of Y_k times the inverse of X_k , and $\frac{1}{X_k}$ is the sample mean of the inverse of avidity for each angler k.

Angler expenditure estimates were further adjusted to account for the amount spent in SE coastal states. In the RDD survey, anglers were asked to estimate the proportion of trip and equipment expenditures spent in the fishing state, and the proportion of durable and semi-durable expenditures spent in their resident state. These proportions were used to adjust the expenditure estimates from the intercept survey prior to calculating arithmetic means for the trip-level items and

weighted means for the 2-month and annual items. However, no adjustments were made to the semidurable and durable items for intercepted respondents living outside the SE coastal states, as anglers were only asked to estimate the proportion of these expenditures spent in their resident state. Therefore, rather than making untenable assumptions about the actual location of non-resident anglers' durable and semi-durable expenditures, the estimates only apply to purchases made by SE coastal state residents.

Total Expenditures

Arithmetic mean daily trip expenditures were multiplied by MRFSS estimates of total fishing effort (i.e., days fished in 1998; Table 2) to derive total expense estimates. Estimates were calculated by state, mode, and resident status. The variances of the total expenditure estimates were calculated according to Gray (1999) as follows:

(3)

$$\hat{V}(\hat{T}\hat{R}) = \hat{T}^2 \hat{V}(\hat{R}) + \hat{V}(\hat{T})\hat{R}^2 - \hat{V}(\hat{T})\hat{V}(\hat{R}),$$

where \hat{T} is the estimate of angler effort and \hat{R} is the arithmetic expenditure mean of the sample. Goodman (1960) showed that Equation (3) produces an unbiased variance estimate when \hat{R} and \hat{T} are independent random

Table 2. Estimated Number of Days Fished by State, Mode, and Resident Status, 1999 and 2000.¹

| State | Mode ² | Resident | Non-Resident | Total |
|----------------|-------------------|------------|--------------|------------|
| Alabama | ch | 33,350 | 41,799 | 75,150 |
| | pr | 506,130 | 69,259 | 575,388 |
| | sh | 382,500 | 109,744 | 492,244 |
| | Total | 921,980 | 220,802 | 1,142,782 |
| Florida (all) | ch | 261,669 | 722,754 | 984,422 |
| | pr | 9,243,064 | 1,144,691 | 10,387,755 |
| | sh | 6,575,571 | 2,163,532 | 8,739,103 |
| | Total | 16,080,304 | 4,030,977 | 20,111,281 |
| Georgia | ch | 5,908 | 1,822 | 7,730 |
| | pr | 296,576 | 8,025 | 304,601 |
| | sh | 184,095 | 24,650 | 208,745 |
| | Total | 486,579 | 34,497 | 521,076 |
| Louisiana | ch | 31,036 | 25,665 | 56,701 |
| | pr | 2,048,652 | 142,657 | 2,191,309 |
| | sh | 651,975 | 22,027 | 674,002 |
| | Total | 2,731,663 | 190,349 | 2,922,012 |
| Mississippi | ch | 12,962 | 24,430 | 37,392 |
| | pr | 447,262 | 28,684 | 475,946 |
| | sh | 350,814 | 34,293 | 385,107 |
| | Total | 811,038 | 87,407 | 898,445 |
| North Carolina | ch | 46,768 | 162,329 | 209,097 |
| | pr | 1,262,471 | 582,641 | 1,845,112 |
| | sh | 1,113,776 | 1,432,404 | 2,546,180 |
| | Total | 2,423,015 | 2,177,374 | 4,600,389 |
| South Carolina | ch | 15,965 | 41,556 | 57,522 |
| | pr | 518,197 | 60,223 | 578,420 |
| | sh | 338,934 | 232,011 | 570,945 |
| | Total | 873,097 | 333,790 | 1,206,886 |

¹Estimates will vary slightly from NMFS (2001) due to rounding and because the survey period spanned 1999 and 2000.

variables. Because trip-related items were collected randomly and estimates of *R* and *T* were calculated from different surveys, the variables were considered to be random and independent. Standard errors, derived from equation (3), were used to generate confidence intervals for trip-related expenditures at the 95 percent level.

Total estimated fishing equipment and semi-durable expenditures were calculated by multiplying the 2-month

²ch = charter; pr = private/rental; sh = shore

weighted mean expenditures per participant by MRFSS estimates of total fishing participation by wave (each wave corresponds to a 2-month period; Table 3).⁵ Since these items are

Table 3. Estimated Number of Participants by State, Resident Status, and Wave, 1999 and 2000.¹

| State | Year | Wave | Resident | Non-Resident | Total |
|-----------------------------|------|------|-----------|--------------|-----------|
| Alabama | 1999 | 3 | 133,834 | 46,110 | 179,944 |
| | 1999 | 4 | 71,241 | 32,347 | 103,588 |
| | 1999 | 5 | 89,009 | 30,587 | 119,596 |
| | 1999 | 6 | 25,868 | 12,845 | 38,713 |
| | 2000 | 1 | 27,555 | 13,767 | 41,322 |
| | 2000 | 2 | 61,469 | 24,238 | 85,707 |
| Florida (all) | 1999 | 3 | 1,088,934 | 552,887 | 1,641,821 |
| | 1999 | 4 | 877,879 | 567,316 | 1,445,195 |
| | 1999 | 5 | 709,754 | 300,196 | 1,009,950 |
| | 1999 | 6 | 700,012 | 337,156 | 1,037,168 |
| | 2000 | 1 | 881,708 | 462,153 | 1,343,861 |
| | 2000 | 2 | 1,149,958 | 637,175 | 1,787,133 |
| Georgia ² | 1999 | 3 | 59,328 | 7,256 | 66,584 |
| · · | 1999 | 4 | 37,531 | 3,138 | 40,669 |
| | 1999 | 5 | 47,112 | 4,487 | 51,599 |
| | 1999 | 6 | 33,935 | 5,553 | 39,488 |
| | 2000 | 2 | 67,311 | 8,464 | 75,775 |
| Louisiana | 1999 | 3 | 251,442 | 30,330 | 281,772 |
| | 1999 | 4 | 208,135 | 23,545 | 231,680 |
| | 1999 | 5 | 135,554 | 18,080 | 153,634 |
| | 1999 | 6 | 134,298 | 12,928 | 147,226 |
| | 2000 | 1 | 176,251 | 20,422 | 196,673 |
| | 2000 | 2 | 237,679 | 21,311 | 258,990 |
| Mississippi | 1999 | 3 | 79,799 | 21,412 | 101,211 |
| | 1999 | 4 | 37,038 | 13,831 | 50,869 |
| | 1999 | 5 | 46,981 | 17,082 | 64,063 |
| | 1999 | 6 | 18,115 | 12,172 | 30,287 |
| | 2000 | 1 | 27,377 | 4,471 | 31,848 |
| | 2000 | 2 | 55,460 | 3,843 | 59,303 |
| North Carolina ² | 1999 | 3 | 264,414 | 300,162 | 564,576 |
| | 1999 | 4 | 236,686 | 479,709 | 716,395 |
| | 1999 | 5 | 177,625 | 159,806 | 337,431 |
| | 1999 | 6 | 105,028 | 62,189 | 167,217 |
| | 2000 | 2 | 111,805 | 109,806 | 221,611 |
| South Carolina ² | 1999 | 3 | 103,228 | 63,365 | 166,593 |
| | 1999 | 4 | 97,590 | 103,839 | 201,429 |
| | 1999 | 5 | 68,310 | 37,597 | 105,907 |
| | 1999 | 6 | 44,267 | 27,963 | 72,230 |
| | 2000 | 2 | 57,392 | 33,342 | 90,734 |

¹Estimates may vary slightly from NMFS (2001) due to rounding. The participation estimates contained in Table 2 are not additive across waves. A participant could have fished in more than one wave. Addition of the estimates across waves results in substantially greater number of annual participants than that shown in Table 3.

not linked to a particular trip, estimates were computed by state and resident status. The resultant variance was calculated by substituting the MRFSS estimates of participation and variance in each strata for \hat{T} and $\hat{V}(\hat{T})$ in equation (3), and the weighted mean expenditures and variances estimated from equations (1) and (2) for \hat{R} and $\hat{V}(\hat{R})$. Standard errors were calculated from the resulting variance estimates for each expenditure item and confidence intervals were generated at the 95% level.

Finally, total estimated expenditures for durable items were calculated from the product of the annual weighted means and MRFSS estimates of annual resident fishing participation (Table 4). Total resident expense estimates were generated for each coastal state in the SE. Non-resident durable expenditure estimates were not calculated. Variances and confidence intervals were determined using the procedures outlined above for fishing equipment and semi-durable expenditures.

²No sampling is conducted in Georgia, North Carolina, or South Carolina during wave 1.

Table 4. Total Estimated Number of Participants by State and Resident Status, 1999 and 2000.¹

| State | Resident | Non-Resident | Total |
|----------------|-----------|--------------|-----------|
| Alabama | 223,255 | 143,374 | 366,629 |
| Florida (all) | 2,153,620 | 2,282,298 | 4,435,918 |
| Georgia | 91,050 | 20,142 | 111,192 |
| Louisiana | 442,290 | 90,648 | 532,938 |
| Mississippi | 101,748 | 74,891 | 176,639 |
| North Carolina | 488,489 | 804,561 | 1,293,050 |
| South Carolina | 192,912 | 220,908 | 413,820 |

¹These participation estimates are not additive across states. A participant could have fished in more than one state. See NMFS (2001) for total Southeast region participation estimates.

Average Expenditures

ummary statistics (arithmetic means or weighted means, and standard errors) by state are presented for two nonexclusive groups of anglers: all respondents and spenders (odd-numbered Tables 5-9 and evennumbered Tables 12-20). The 'spenders' estimates include only responses of individuals who reported an expense, while both spenders and non-spenders are included in the 'all' category. Statistics are reported by state, resident category, and mode for the daily trip expenditures and only by state and residence status for the fishing equipment, semi-durable, and durable items.

Average daily trip expenditures for non-residents were generally higher than for residents in all of the coastal states in the SE. Non-residents tended to travel further within the fishing state and tended to make multi-day trips that required overnight lodging. In Eastern Florida, for example, non-residents fishing from private or rental boats spent \$10.86, on average, for private transportation and \$41.08 for lodging (Table 7). Expenditures by resident anglers fishing aboard private or rental boats, on the other hand, averaged \$2.91 for private transportation and \$23.52 for lodging.⁷

Although the direction of the differences varied for many of the triprelated items, overall, non-residents tended to spend more than their resident counterparts for most purchases. This anomaly is not easily explained.

Non-resident anglers may lack the time or local knowledge that residents have to compare prices for trip items such as charter guide fees, equipment rental, food, bait, and ice. Non-residents may also be less experienced and may simply overspend to ensure they will have adequate supplies for the trip. The largest daily trip expenditures across most of the states were for food/drink/ refreshments, boat fuel, lodging, and charter guide fees.

The weighted mean 2-month fishing equipment purchases (i.e., wave expenditures) on rods/reels and other tackle were considerably higher for residents than for non-residents in all of the states. Also, the weighted mean 2-month expenditures on rods and reels were at least triple the tackle and gear (other tackle) estimates across all states.

For the semi-durable and durable items, expenditure estimates could only be generated for residents of southeast coastal states. Residents' highest wave expenditures were for license fees, which were closely followed, and in some states surpassed, by clothing purchases. Residents also made considerable annual expenditures on powerboat purchases and the purchase of vehicles used primarily for saltwater angling. In addition, average durable expenditures by resident 'spenders' were substantially higher than estimates generated from all residents. In North Carolina, for example, the average weighted annual power boat expense for spenders was \$6,667.98 and only \$882.32 across all anglers (Table 18).

Total Expenditures

Total expenses and 95 percent confidence intervals are shown for all expenditure items by state and residence strata (even-numbered Tables 6-10 and odd-numbered Tables 11-21). The precision of the expenditure estimates can be evaluated by examining the difference between the estimate and the upper and lower bounds.

Total resident trip-related expenditures for the private/rental modes generally exceeded non-residents' expenditures across all states due to higher resident participation and fishing effort. For example, in Western Florida even though non-residents' average expenditures in the private/rental mode were more than twice the average expenditures of residents, total resident expenditures were almost three times higher than non-residents.

Total resident trip-related expenditures for the shore mode exceeded non-residents' expenditures across all states except North and South Carolina.

North Carolina non-resident totals were larger because non-residents fished more days from the shore. In contrast, South Carolina non-residents expenditures were larger because the average trip-related expenditures were considreably higher than the average expenditures of residents.

For the charter mode, total non-resident trip expenditures exceeded resident expenditures across all states except for Louisiana and Georgia, because, in general, both average expenditures and fishing effort were higher for non-residents.

Georgia resident totals were higher because residents fished more days aboard charter boats than non-residents while average expenditures were only slightly less for residents. The opposite was true for Louisiana: average expenditures were higher for residents that fished aboard charter boats, but residents fished fewer days aboard charter boats.

In total, resident and non-resident anglers in Louisiana, North Carolina, and Florida exhibited the highest recreational fishing expenditures in the SE region. Anglers fishing in these states spent between \$1.2 and \$8.4 billion on marine recreational fishing in 1999/2000. Across all SE states, total recreational fishing expenditures totaled \$12.5 billion (Table 22).

Table 5. Alabama Average Expenditures by Mode and Resident Status, 1999 and 2000.

| ALABAMA | | Residents | | | Non-Residents | | | | |
|-------------------------|--------------------|----------------|--------------|-----------------|---------------|----------------|--------------|-----------------|--------------|
| Trip Expenditures | Mode | All | (\$) | Spend | ers (\$) | All | (\$) | Spend | ers (\$) |
| | | Mean | Standard | Mean | Standard | Mean | Standard | Mean | Standard |
| | | | Error | | Error | | Error | | Error |
| Private Transportation | Charter | 10.92 | 0.40 | 10.92 | 0.40 | 3.39 | 0.08 | 3.39 | 0.08 |
| | Private/Rental | 5.07 | 0.37 | 5.07 | 0.37 | 5.03 | 0.80 | 5.03 | 0.80 |
| | Shore | 8.11 | 0.88 | 8.11 | 0.88 | 6.48 | 1.38 | 6.48 | 1.38 |
| Food | Charter | 19.50 | 2.29 | 21.78 | 2.50 | 23.60 | 1.72 | 29.05 | 1.95 |
| | Private/Rental | 16.22 | 1.09 | 17.34 | 1.12 | 21.97 | 12.25 | 25.63 | 13.83 |
| | Shore | 14.06 | 2.06 | 16.75 | 2.32 | 23.69 | 5.37 | 25.84 | 5.38 |
| Lodging | Charter | 20.66 | 3.06 | 31.12 | 4.15 | 25.39 | 2.18 | 39.78 | 2.90 |
| | Private/Rental | 33.97 | 12.30 | 60.10 | 18.97 | | • | - | |
| | Shore | 3.68 | 2.82 | 12.88 | 7.00 | 12.92 | 12.92 | 64.58 | |
| Public Transportation | Charter | 0.98 | 0.59 | 23.13 | 11.42 | 8.25 | 3.27 | 97.15 | 34.44 |
| | Private/Rental | 11.13 | 7.47 | 92.76 | 42.30 | | • | - | • |
| Dood Food | Shore | 0.95 | 0.95 | 6.63 | 1.00 | 17.00 | | | . 0.04 |
| Boat Fuel | Private/Rental | 18.17 73.53 | 1.31 7.48 | 20.05 104.17 | 1.38 9.26 | 17.88 74.94 | 8.98 5.45 | 20.43 117.65 | 9.94 6.80 |
| Charter Fees | Charter Charter | 0.05 | 0.02 | 1.42 | 9.26 0.36 | 0.16 | 0.09 | 12.38 | 4.45 |
| Access/Boat Launching | Private/Rental | 0.05 | 0.02 | 2.96 | 0.36 | 0.16 | 0.09 | 2.41 | 1.51 |
| | Shore | 1.40 | 0.00 | 4.42 | 0.20 | 2.21 | 0.67 | 3.60 | 0.73 |
| Equipment Rental | Charter | 0.66 | 0.47 | 32.02 | 18.49 | 2.21 | 0.07 | 3.00 | 0.75 |
| Equipment Hentai | Private/Rental | 0.00 | 0.47 | 2.48 | 0.50 | | • | - | • |
| | Shore | 0.02 | 0.02 | 2.40 | 0.50 | | • | | • |
| Bait | Charter | 0.60 | 0.25 | 9.56 | 3.12 | 0.14 | 0.07 | 5.71 | 2.13 |
| | Private/Rental | 7.29 | 0.57 | 10.39 | 0.67 | 8.55 | 3.75 | 11.97 | 4.40 |
| | Shore | 4.28 | 0.48 | 6.28 | 0.54 | 4.46 | 1.15 | 6.44 | 1.12 |
| Ice | Charter | 0.61 | 0.14 | 3.68 | 0.63 | 0.14 | 0.03 | 1.82 | 0.29 |
| | Private/Rental | 2.62 | 0.26 | 4.12 | 0.36 | 3.88 | 1.36 | 4.44 | 1.44 |
| | Shore | 1.05 | 0.13 | 1.86 | 0.14 | 1.01 | 0.41 | 2.20 | 0.59 |
| Total | Charter | 127.50 | 8.45 | 237.80 | 24.33 | 136.02 | 6.94 | 306.94 | 35.62 |
| | Private/Rental | 95.01 | 14.51 | 215.27 | 46.40 | 58.21 | 15.74 | 69.90 | 17.73 |
| | Shore | 33.53 | 3.77 | 56.93 | 7.45 | 50.78 | 14.12 | 109.14 | 5.75 |
| Wave Expenditures** | | All | (\$) | Spenders (\$) | | All | (\$) | Spend | ers (\$) |
| Rods and Reels | | 74.33 | 14.43 | 182.29 | 33.35 | 25.56 | 4.38 | 78.04 | 12.87 |
| Other Tackle | | 33.92 | 3.80 | 33.92 | 3.80 | 17.63 | 2.93 | 17.63 | 2.93 |
| Camping Equipment | | 3.64 | 1.18 | 102.75 | 21.67 | | | | |
| Binoculars | | 2.20 | 0.63 | 100.38 | . * | | | | |
| Clothing | | 4.69 | 1.02 | 65.40 | 7.48 | | | | |
| Processing/Taxidermy | | 1.17 | 0.56 | 151.17 | 22.96 | | | | |
| Magazines | | 3.21 | 0.41 | 20.59 | 0.27 | | | | |
| Club Dues | | 4.13 | 1.21 | 54.19 | 11.70 | | | | |
| License Fees | | 10.22 | 1.42 | 25.74 | 3.13 | | | | |
| Miscellaneous | | 6.60 | 1.92 | 93.59 | 22.33 | | | | |
| Total | | 144.12 | 15.27 | 830.01 | 53.15 | 43.19 | 5.27 | 95.67 | 13.20 |
| Annual Expenditures | | All | (\$) | Spend | ers (\$) | | | | |
| Boat Expenses | | 155.15 | 23.00 | 631.20 | 11.38 | | | | |
| Power Boat Purchase | | 455.62 | 89.34 | 3,909.94 | 368.83 | | | | |
| Non-Power Boat Purchase | | 6.86 | 4.62 | 451.86 | 158.38 | | | | |
| Electronics | | 29.41 | 7.03 | 459.37 | 38.63 | | | | |
| Fishing Vehicle | | 392.36 | 180.44 | 10,864.49 | 2,256.33 | | | | |
| Vacation Home | | 183.02 | 170.01 | 32,619.33 | | | | | |
| Total | | 1,222.43 | 264.66 | 48,936.20 | 26,835.27 | | | | |

^{*} indicates standard error based on < 10 observations. If the cell is missing (.) and has an asterisk, only one observation was available.

** average expenditure across the previous 2 month wave of data collection.



Alabama

Table 6. Alabama Total Expenditures by Resident Status, 1999 and 2000 (in thousands of dollars).

| ALABAMA | | Total | Upper Bound | Lower Bound | Total | Upper Bound | Lower Bound |
|-------------------------|----------------------------|---------|-------------|---------------|--------|---------------|-------------|
| Trip Expenditures | Mode Residents Non-Residen | | | Non-Residents | | | |
| Private Transportation | Charter | 364 | 439 | 289 | 142 | 182 | 102 |
| | Private/Rental | 2,566 | 3,095 | 2,036 | 348 | 488 | 209 |
| | Shore | 3,104 | 3,992 | 2,216 | 712 | 1,077 | 346 |
| Food | Charter | 650 | 845 | 455 | 987 | 1,295 | 678 |
| | Private/Rental | 8,210 | 9,847 | 6,574 | 1,521 | 3,214 | 0 |
| | Shore | 5,377 | 7,230 | 3,523 | 2,600 | 3,995 | 1,204 |
| Lodging | Charter | 689 | 929 | 449 | 1,061 | 1,406 | 717 |
| 0 0 | Private/Rental | 17,193 | 29,628 | 4,758 | 0 | 0 | 0 |
| | Shore | 1,408 | 3,532 | 0 | 1,417 | 4,196 | 0 |
| Public Transportation | Charter | 33 | 72 | 0 | 345 | 627 | 63 |
| | Private/Rental | 5,634 | 13,068 | 0 | 0 | 0 | 0 |
| | Shore | 362 | 1,072 | 0 | 0 | 0 | 0 |
| Boat Fuel | Private/Rental | 9,198 | 11,096 | 7,301 | 1,238 | 2,487 | 0 |
| Charter Fees | Charter | 2,452 | 3,131 | 1,773 | 3,132 | 4,111 | 2,154 |
| Access/Boat Launching | Charter | 2 | 3 | 0 | 7 | 14 | 0 |
| | Private/Rental | 263 | 356 | 171 | 63 | 153 | 0 |
| | Shore | 536 | 746 | 327 | 243 | 403 | 82 |
| Equipment Rental | Charter | 22 | 53 | 0 | 0 | 0 | 0 |
| 4-6 | Private/Rental | 11 | 26 | o | 0 | 0 | 0 |
| | Shore | 0 | 0 | o | 0 | 0 | 0 |
| Bait | Charter | 20 | 37 | 3 | 6 | 12 | 0 |
| | Private/Rental | 3,687 | 4,474 | 2,900 | 592 | 1,119 | 65 |
| | Shore | 1,639 | 2,119 | 1,159 | 490 | 777 | 202 |
| Ice | Charter | 20 | 30 | 10 | 6 | 9 | 3 |
| | Private/Rental | 1,327 | 1,656 | 998 | 269 | 465 | 73 |
| | Shore | 400 | 523 | 277 | 111 | 205 | 18 |
| Total | Charter | 4,252 | 4,575 | 3,501 | 5,686 | 6,804 | 4,567 |
| . ota. | Private/Rental | 48,090 | 62,827 | 34,173 | 4,032 | 6,215 | 1,985 |
| | Shore | 12,826 | 15,913 | 10,251 | 5,572 | 8,721 | 3,521 |
| Equipment and Durable E | | 12,020 | Residents | 10,201 | | Non-Residents | 0,021 |
| Rods and Reels | лронана. 00 | 30,467 | 36,936 | 23,997 | 4,214 | 3,201 | 5,228 |
| Other Tackle | | 13,903 | 16,083 | 11,722 | 2,907 | 3,599 | 2,215 |
| Camping Equipment | | 1,493 | 1,964 | 1,022 | 2,00. | 0,000 | _,0 |
| Binoculars | | 904 | 1,161 | 647 | | | |
| Clothing | | 1,923 | 2,366 | 1,480 | | | |
| Processing/Taxidermy | | 480 | 695 | 266 | | | |
| Magazines | | 1,317 | 1,537 | 1,098 | | | |
| Club Dues | | 1,694 | 2,186 | 1,202 | | | |
| License Fees | | 4,189 | 4,915 | 3,463 | | | |
| Miscellaneous | | 2,707 | 3,488 | 1,926 | | | |
| Boat Expenses | | 34,638 | 46,453 | 22,822 | | | |
| Power Boat Purchase | | 101,720 | 144,770 | 58,671 | | | |
| Non-Power Boat Purchase | | 1,531 | 3,561 | 0 | | | |
| Electronics | | 6,567 | 9,852 | 3,282 | | | |
| Fishing Vehicle | | 87,597 | 167,794 | 7,400 | | | |
| Vacation Home | | 40,861 | 115,304 | 7,400 | | | |
| All Sub-Totals | | 397,158 | 516,558 | 277,866 | 22,411 | 26,588 | 19,072 |
| | | , | , | , | , | | , |
| State Total | | 419,569 | 539,042 | 300,231 | | | |

Table 7. East Florida Expenditures by Mode and Resident Status, 1999 and 2000.

| EASTERN FLO | RIDA | | Res | idents | | Non-Residents | | | | |
|-------------------------|----------------|----------|-------------------|----------|-------------------|---------------|-------------------|--------|-------------------|--|
| p Expenditures | Mode | All | (\$) | Spende | ers (\$) | All | All (\$) | | Spenders (\$) | |
| | | Mean | Standard Error | Mean | Standard Error | Mean | Standard Error | Mean | Standard Error | |
| Private Transportation | Charter | 2.64 | 0.27 | 2.64 | 0.27 | 11.76 | 0.65 | 11.76 | 0.65 | |
| от станор станон | Private/Rental | 2.91 | 0.13 | 2.91 | 0.13 | 10.86 | 0.96 | 10.86 | 0.96 | |
| | Shore | 3.37 | 0.23 | 3.37 | 0.23 | 11.81 | 2.18 | 11.81 | 2.18 | |
| Food | Charter | 17.73 | 4.22 | 22.40 | 5.08 | 18.87 | 2.68 | 22.59 | 3.03 | |
| 1 000 | Private/Rental | 14.18 | 0.53 | 15.65 | 0.56 | 20.02 | 2.14 | 20.71 | 2.17 | |
| | Shore | 10.20 | 0.81 | 12.93 | 0.95 | 17.92 | 3.78 | 20.71 | 4.10 | |
| Lodging | Charter | 10.20 | 0.01 | 12.33 | 0.95 | 35.00 | 7.51 | 64.17 | 10.59 | |
| Louging | Private/Rental | 23.52 | 6.94 | 49.66 | 8.17 | 41.08 | 15.13 | 52.82 | 17.00 | |
| | Shore | 18.34 | 9.95 | 36.68 | 16.66 | 81.90 | 22.42 | 81.90 | 22.42 | |
| Public Transportation | Charter | 10.54 | 3.33 | 30.00 | 10.00 | 25.94 | 8.87 | 150.43 | 28.43 | |
| Fublic Transportation | Private/Rental | 0.99 | 0.00 | 10.00 | | 1.40 | | | 20.43 | |
| | | 0.99 | 0.99 | 19.88 | • | | 1.40 | 14.03 | | |
| B . F . | Shore | | | | | 23.38 | 23.38 | 93.53 | 4.50 | |
| Boat Fuel | Private/Rental | 15.83 | 0.60 | 17.48 | 0.63 | 12.77 | 1.47 | 14.76 | 1.59 | |
| Charter Fees | Charter | 71.37 | 15.39 | 107.06 | 19.94 | 100.79 | 12.29 | 130.05 | 13.79 | |
| Access/Boat Launching | Charter | - | | | | 1.95 | 1.26 | 22.94 | 13.38 | |
| | Private/Rental | 0.74 | 0.15 | 5.92 | 1.03 | 1.39 | 0.46 | 5.43 | 1.56 | |
| | Shore | 0.89 | 0.22 | 4.27 | 0.96 | 0.56 | 0.26 | 2.74 | 0.86 | |
| Equipment Rental | Charter | 4.30 | 3.01 | 111.81 | . * | 0.34 | 0.19 | 7.73 | 2.2 | |
| | Private/Rental | 0.20 | 0.11 | 23.86 | 10.03 | | | | | |
| | Shore | 0.03 | 0.02 | 3.98 | 0.99 | 0.41 | 0.41 | 14.03 | | |
| Bait | Charter | | | | | 0.73 | 0.38 | 11.26 | 4.1 | |
| | Private/Rental | 6.17 | 0.32 | 9.93 | 0.43 | 4.70 | 0.55 | 7.05 | 0.6 | |
| | Shore | 3.37 | 0.23 | 5.44 | 0.27 | 3.90 | 0.78 | 5.76 | 0.9 | |
| Ice | Charter | 0.06 | 0.04 | 1.66 | * | 0.78 | 0.24 | 3.26 | 0.80 | |
| | Private/Rental | 2.02 | 0.14 | 3.51 | 0.21 | 1.93 | 0.26 | 2.79 | 0.32 | |
| | Shore | 0.71 | 0.07 | 1.81 | 0.11 | 1.42 | 0.61 | 3.23 | 1.20 | |
| Total | Charter | 96.11 | 16.24 | 245.57 | 20.58 | 196.16 | 17.20 | 424.19 | 36.3 | |
| Total | Private/Rental | 66.59 | 7.07 | 148.80 | 13.02 | 94.15 | 15.46 | 128.45 | 17.3 | |
| | Shore | 36.90 | 9.99 | 68.48 | 16.75 | 141.30 | 32.70 | 233.30 | 22.96 | |
| ve Expenditures** | Shore | All | | Spende | | All | | Spend | | |
| Rods and Reels | | 82.28 | 5.51 | 149.03 | 8.01 | 32.01 | 6.48 | 77.78 | 11.9 | |
| Other Tackle | | 33.00 | 1.95 | 33.00 | 1.95 | 20.11 | 5.07 | 20.11 | 5.0 | |
| Camping Equipment | | 6.75 | 1.73 | 140.39 | 24.90 | | | | | |
| Binoculars | | 3.44 | 0.80 | 83.47 | 8.04 | | | | | |
| Clothing | | 5.68 | 1.04 | 66.61 | 6.73 | | | | | |
| Processing/Taxidermy | | 1.20 | 0.52 | 165.65 | 61.84 | | | | | |
| | | 4.47 | 0.32 | 20.95 | * | | | | | |
| Magazines | | | | | E 4E | | | | | |
| Club Dues | | 3.93 | 0.71 | 45.60 | 5.45 | | | | | |
| License Fees | | 8.78 | 0.50 | 20.67 | 0.49 | | | | | |
| Miscellaneous | | 10.36 | 2.00 | 133.61 | 17.52 | | | | | |
| Total | | 159.90 | 6.64 | 858.99 | 70.42 | 52.12 | 8.23 | 97.89 | 12.9 | |
| nual Expenditures | | All | (\$) | Spende | ers (\$) | | | | | |
| Boat Expenses | | 247.69 | 12.66 | 672.85 | 72.45 | | | | | |
| Power Boat Purchase | | 2,043.01 | 543.79 | 7,218.63 | 1,512.81 | | | | | |
| Non-Power Boat Purchase | | 14.21 | 7.89 | 441.42 | 55.10 | | | | | |
| Electronics | | 49.82 | 12.83 | 430.56 | 36.52 | | | | | |
| Fishing Vehicle | | 736.25 | 230.37 | 9,649.72 | 965.12 | | | | | |
| | | | | | | 1 | | | | |
| Vacation Home | | 32.13 | 30.42 | 2,938.76 | 2,857.45 | | | | | |

^{*} indicates standard error based on < 10 observations. If the cell is missing (.) and has an asterisk, only one observation was available.

** average expenditure across the previous 2 month wave of data collection.



East Florida

Table 8. East Florida Total Expenditures by Resident Status, 1999 and 2000 (in thousands of dollars).

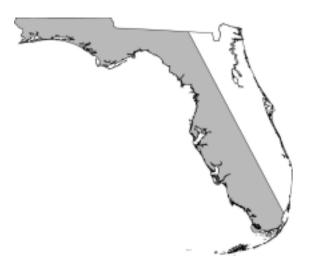
| EASTERN FLORIDA | | Total | Upper Bound | Lower Bound | Total | Upper Bound | Lower Bound |
|-------------------------|----------------|-----------|-------------|-------------|---------------|---------------|-------------|
| Trip Expenditures | Mode | | Residents | | | Non-Residents | |
| Private Transportation | Charter | 372 | 464 | 281 | 2,373 | 2,865 | 1,882 |
| | Private/Rental | 11,701 | 13,143 | 10,258 | 2,823 | 3,421 | 2,224 |
| | Shore | 10,458 | 12,224 | 8,692 | 8,395 | 11,620 | 5,171 |
| Food | Charter | 2,504 | 3,720 | 1,287 | 3,808 | 5,062 | 2,555 |
| | Private/Rental | 57,017 | 63,521 | 50,513 | 5,205 | 6,468 | 3,942 |
| | Shore | 31,651 | 37,547 | 25,755 | 12,739 | 18,257 | 7,221 |
| Lodging | Charter | 0 | 0 | 0 | 7,066 | 10,278 | 3,853 |
| | Private/Rental | 94,572 | 149,851 | 39,292 | 10,679 | 18,481 | 2,876 |
| | Shore | 56,940 | 117,706 | 0 | 58,225 | 90,321 | 26,130 |
| Public Transportation | Charter | 0 | 0 | 0 | 5,235 | 8,850 | 1,621 |
| · | Private/Rental | 3,996 | 11,827 | 0 | 365 | 1,079 | 0 |
| | Shore | 0 | 0 | 0 | 16,624 | 49,207 | 0 |
| Boat Fuel | Private/Rental | 63,632 | 70,890 | 56,375 | 3,319 | 4,173 | 2,465 |
| Charter Fees | Charter | 10,076 | 14,549 | 5,604 | 20,345 | 26,377 | 14,314 |
| Access/Boat Launching | Charter | 0 | 0 | 0 | 394 | 895 | 0 |
| ū | Private/Rental | 2,993 | 4,176 | 1,809 | 361 | 600 | 122 |
| | Shore | 2,768 | 4,148 | 1,388 | 401 | 760 | 42 |
| Equipment Rental | Charter | 607 | 1,442 | 0 | 68 | 142 | 0 |
| | Private/Rental | 820 | 1,692 | 0 | 0 | 0 | 0 |
| | Shore | 78 | 190 | 0 | 293 | 868 | 0 |
| Bait | Charter | 0 | 0 | 0 | 148 | 302 | 0 |
| | Private/Rental | 24,823 | 28,127 | 21,518 | 1,221 | 1,540 | 903 |
| | Shore | 10,458 | 12,209 | 8,707 | 2,772 | 3,921 | 1,622 |
| Ice | Charter | 9 | 21 | 0 | 157 | 255 | 60 |
| | Private/Rental | 8,140 | 9,434 | 6,847 | 501 | 647 | 355 |
| | Shore | 2,206 | 2,666 | 1,745 | 1,012 | 1,875 | 149 |
| Total | Charter | 13,569 | 18,279 | 8,859 | 39,596 | 47,461 | 31,730 |
| | Private/Rental | 267,693 | 324,517 | 210,869 | 24,473 | 32,489 | 16,457 |
| | Shore | 114,558 | 175,678 | 53,439 | 100,462 | 146,670 | 54,254 |
| Equipment and Durable E | | 111,000 | Residents | 33, .53 | Non-Residents | | |
| Rods and Reels | | 192,660 | 209,401 | 175,919 | 24,732 | 29,455 | 20,009 |
| Other Tackle | | 77,274 | 83,693 | 70,855 | 15,535 | 19,070 | 12,001 |
| Camping Equipment | | 15,807 | 19,250 | 12,365 | , | , | , |
| Binoculars | | 8,063 | 9,660 | 6,466 | | | |
| Clothing | | 13,309 | 15,467 | 11,150 | | | |
| Processing/Taxidermy | | 2,815 | 3,817 | 1,812 | | | |
| Magazines | | 10,458 | 11,452 | 9,463 | | | |
| Club Dues | | 9,200 | 10,674 | 7,725 | | | |
| License Fees | | 20,560 | 22,250 | 18,870 | | | |
| Miscellaneous | | 24,261 | 28,383 | 20,140 | | | |
| Boat Expenses | | 231,838 | 260,498 | 203,177 | | | |
| Power Boat Purchase | | 1,912,244 | 2,918,775 | 905,713 | | | |
| Non-Power Boat Purchase | | 13,301 | 27,794 | 0 | | | |
| Electronics | | 46,634 | 70,406 | 22,863 | | | |
| Fishing Vehicle | | 689,125 | 1,114,403 | 263,847 | | | |
| Vacation Home | | 30,075 | 85,890 | 200,047 | | | |
| All Sub-Totals | | 3,693,442 | 4,791,636 | 2,595,249 | 204,798 | 252,716 | 156,881 |
| State Total | | 3,898,240 | 4,997,479 | 2.799.002 | | | |
| | | 5,555,210 | .,557,170 | _,. 55,00L | | | |

Table 9. West Florida Average Expenditures by Mode and Resident Status, 1999 and 2000.

| WESTERN FLO | PRIDA | | Res | idents | | Non-Residents | | | |
|-------------------------|----------------|----------|----------|-----------|----------|---------------|----------|------------|---------|
| ip Expenditures | Mode | All (| (\$) | Spende | ers (\$) | All (S | \$) | Spende | rs (\$) |
| | | | Standard | Mean | Standard | | Standard | Mean S | Standar |
| | | | Error | | Error | | Error | | Error |
| Private Transportation | Charter | 3.81 | 0.24 | 3.81 | 0.24 | 2.23 | 0.71 | 2.23 | 0.7 |
| | Private/Rental | 2.43 | 0.09 | 2.43 | 0.09 | 5.90 | 0.61 | 5.90 | 0.6 |
| | Shore | 2.73 | 0.19 | 2.73 | 0.19 | 5.66 | 0.99 | 5.66 | 0.9 |
| Food | Charter | 15.07 | 1.03 | 18.22 | 1.18 | 13.82 | 3.58 | 23.03 | 4.2 |
| | Private/Rental | 11.53 | 0.35 | 13.14 | 0.37 | 14.89 | 1.29 | 16.04 | 1.3 |
| | Shore | 8.28 | 0.47 | 11.36 | 0.56 | 10.66 | 1.38 | 15.14 | 1.1 |
| Lodging | Charter | 23.97 | 5.28 | 47.05 | 9.36 | | | | |
| 3 3 | Private/Rental | 17.82 | 6.07 | 62.36 | 10.00 | 24.37 | 8.95 | 33.51 | 10. |
| | Shore | 0.99 | 0.99 | 6.96 | * | 9.80 | * | 9.80 | |
| Public Transportation | Charter | 6.27 | 2.38 | 54.07 | 16.56 | 85.74 | 54.22 | 257.21 | 0. |
| Table Transportation | Private/Rental | 0.27 | 2.00 | 01.07 | 10.00 | 31.63 | 23.83 | 173.97 | 80. |
| | Shore | 1.63 | 1.40 | 5.71 | 4.22 | 01.00 | 20.00 | 170.07 | 00. |
| Boat Fuel | Private/Rental | 12.70 | 0.40 | 14.35 | 0.43 | 13.64 | 1.41 | 16.41 | 1. |
| Charter Fees | Charter | 80.64 | 4.31 | 113.58 | 4.86 | 72.53 | 21.09 | 130.55 | 25. |
| Access/Boat Launching | Charter | 0.43 | 0.30 | 50.03 | 27.93 | 12.55 | 21.09 | 130.55 | 25. |
| Access/Boat Lauriching | Private/Rental | 0.43 | 0.08 | 4.29 | 0.37 | 0.84 | 0.16 | 3.94 | 0. |
| | | | | | | | | | |
| | Shore | 0.97 | 0.17 | 5.09 | 0.78 | 0.95 | 0.37 | 5.30 | 1. |
| Equipment Rental | Charter | 0.70 | 0.35 | 54.12 | 18.18 | | | | |
| | Private/Rental | 0.21 | 0.12 | 25.99 | 14.17 | 0.07 | 0.07 | 11.68 | |
| | Shore | 0.08 | 0.07 | 13.91 | 10.53 | 0.03 | 0.03 | 2.81 | |
| Bait | Charter | 0.29 | 0.09 | 6.69 | 1.52 | 0.00 | 0.00 | | |
| | Private/Rental | 4.09 | 0.16 | 7.08 | 0.22 | 4.12 | 0.54 | 7.91 | 0. |
| | Shore | 3.53 | 0.19 | 5.57 | 0.24 | 3.66 | 0.56 | 5.80 | 0. |
| Ice | Charter | 0.30 | 0.08 | 2.79 | 0.62 | | - | | |
| | Private/Rental | 1.40 | 0.07 | 2.59 | 0.11 | 1.52 | 0.21 | 3.18 | 0. |
| | Shore | 0.60 | 0.06 | 2.08 | 0.15 | 0.75 | 0.12 | 1.86 | 0. |
| Total | Charter | 131.48 | 7.31 | 350.34 | 38.73 | 174.32 | 58.30 | 416.96 | 26. |
| | Private/Rental | 50.90 | 6.08 | 132.23 | 17.35 | 96.99 | 25.50 | 273.89 | 81. |
| | Shore | 18.81 | 1.81 | 53.41 | 11.40 | 31.51 | 1.83 | 41.07 | 2. |
| ve Expenditures** | | All (| (\$) | Spende | ers (\$) | All (S | \$) | Spende | rs (\$) |
| Rods and Reels | | 72.94 | 4.48 | 140.34 | 7.31 | 26.60 | 6.96 | 56.45 | 12. |
| Other Tackle | | 28.77 | 1.31 | 28.77 | 1.31 | 16.66 | 5.72 | 16.66 | 5. |
| Camping Equipment | | 4.44 | 0.76 | 101.47 | 10.11 | | | | |
| Binoculars | | 4.65 | 0.81 | 93.47 | 10.50 | | | | |
| Clothing | | 6.45 | 0.72 | 67.89 | 3.96 | | | | |
| Processing/Taxidermy | | 1.23 | 0.61 | 176.08 | 53.18 | | | | |
| Magazines | | 4.09 | 0.30 | 24.60 | 0.42 | | | | |
| Club Dues | | 3.92 | 0.64 | 47.05 | 5.97 | | | | |
| License Fees | | 9.20 | 0.63 | 24.23 | 1.34 | | | | |
| Miscellaneous | | 7.95 | 1.22 | 105.51 | 12.68 | | | | |
| Total | | 143.65 | 5.13 | 809.41 | 57.53 | 43.26 | 9.01 | 73.11 | 13. |
| nual Expenditures | | All (| | Spende | | 45.20 | 9.01 | 9.01 /3.11 | |
| - | | | | | | | | | |
| Boat Expenses | | 271.05 | 32.17 | 847.41 | 57.19 | | | | |
| Power Boat Purchase | | 1,545.35 | 289.92 | 6,595.88 | 959.46 | | | | |
| Non-Power Boat Purchase | | 20.06 | 7.84 | 607.55 | 73.09 | | | | |
| Electronics | | 55.29 | 15.70 | 484.76 | 101.42 | | | | |
| Fishing Vehicle | | 672.51 | 165.73 | 9,781.04 | 466.13 | | | | |
| Vacation Home | | 191.26 | 121.73 | 17,193.61 | 4,992.62 | | | | |
| Total | | 2,755.52 | 357.32 | 35,510.26 | 5,107.15 | | | | |

^{*} indicates standard error based on < 10 observations. If the cell is missing (.) and has an asterisk, only one observation was available.

** average expenditure across the previous 2 month wave of data collection.



West Florida

Table 10. West Florida Total Expenditures by Resident Status, 1999 and 2000 (in thousands of dollars).

| Private/Rental Shore | WESTERN FL | ORIDA | Total | Upper Bound | Lower Bound | Total | Upper Bound | Lower Bound |
|--|-------------------------|---------------------------------------|-----------|-------------|---|---------|---------------|-------------|
| Private/Rental Shore | | Mode | | | | | Non-Residents | |
| Shore | Private Transportation | | | 530 | | | , | 432 |
| Pood | | | | | | | | 4,067 |
| Privater/Rental Shore | | | , | | | , | | 5,284 |
| Shore 28.755 32.856 24.653 15.487 19.757 11.215 | Food | | | , | | | | 3,486 |
| Charler | | Private/Rental | 60,231 | 65,491 | 54,970 | 13,175 | 15,682 | 10,667 |
| Private/Rental 33,053 155,408 30,688 21,564 37,181 5,947 | | Shore | 28,755 | 32,856 | 24,653 | 15,487 | 19,757 | 11,218 |
| Shore | Lodging | Charter | 2,889 | 4,163 | 1,615 | 0 | 0 | 0 |
| Public Transportation | | Private/Rental | 93,053 | 155,408 | 30,698 | 21,564 | 37,181 | 5,947 |
| Private/Rental | | Shore | 3,450 | 10,212 | 0 | 14,237 | 0 | 0 |
| Shore | Public Transportation | Charter | 755 | 1,321 | 189 | 44,660 | 100,114 | 0 |
| Boat Fuel | | Private/Rental | 0 | 0 | 0 | 27,985 | 69,340 | 0 |
| Charter Fees | | Shore | 5,668 | 15,198 | 0 | 0 | 0 | 0 |
| Access/Boat Launching | Boat Fuel | Private/Rental | 66,307 | 72,251 | 60,363 | 12,071 | 14,738 | 9,405 |
| Private/Rental Shore 3,354 4,599 2,968 743 1,032 454 556 2,151 1,385 2,438 333 3354 4,557 2,151 1,385 2,438 333 3354 4,567 2,151 1,385 2,438 333 3354 4,567 2,151 1,385 2,438 333 3354 4,567 2,151 1,385 2,438 333 3354 3,000 60 179 0.000 | Charter Fees | Charter | 9,716 | 11,063 | 8,370 | 37,779 | 59,573 | 15,985 |
| Shore | Access/Boat Launching | Charter | 52 | 123 | 0 | 0 | 0 | 0 |
| Equipment Rental Charter Review Review Review Residents Resident | _ | Private/Rental | 3,783 | 4,599 | 2,968 | 743 | 1,032 | 454 |
| Private/Rental 1,081 2,353 0 60 179 0.0 | | Shore | 3,354 | 4,557 | 2,151 | 1,385 | 2,438 | 333 |
| Shore | Equipment Rental | Charter | 84 | 168 | 0 | 0 | 0 | 0 |
| Bait | | Private/Rental | 1,081 | 2,353 | 0 | 60 | 179 | 0 |
| Private/Rental Shore 12,243 13,955 10,531 5,310 6,995 3,625 6,600 | | Shore | 268 | 713 | 0 | 41 | 121 | 0 |
| Shore | Bait | Charter | 35 | 56 | 13 | 0 | 0 | 0 |
| Charter | | Private/Rental | 21,382 | 23,530 | 19,233 | 3,645 | 4,629 | 2,660 |
| Charter | | Shore | 12.243 | 13.955 | 10.531 | 5.310 | 6.995 | 3,625 |
| Private/Rental Shore 2,091 2,544 1,638 1,089 1,457 722 722 723 724 724 725 7 | Ice | Charter | , | , | | , | , | 0 |
| Total | | Private/Rental | | | | 1.349 | 1.735 | 963 |
| Total Charter Frivate/Rental 265,824 328,754 202,897 85,813 130,198 53,517 | | Shore | , | , | | , | , | 722 |
| Private/Rental Shore 65,302 328,754 202,897 85,813 130,198 53,517 Equipment and Durable Expenditures Residents Non-Residents Other Tackle 87,535 93,398 81,672 36,245 46,875 25,616 Camping Equipment 13,516 15,546 11,486 Binoculars 14,161 16,331 11,991 Clothing 19,632 21,727 17,536 Processing/Taxidermy 3,748 5,294 2,202 Magazines 12,429 13,449 11,408 Club Dues 11,920 13,641 10,200 License Fees 27,975 30,186 25,763 Miscellaneous 24,191 27,509 20,873 Boat Expenses 330,031 409,037 251,026 Power Boat Purchase 1,881,656 2,581,490 1,181,822 Non-Power Boat Purchase 24,422 43,183 5,662 Electronics 67,322 104,965 29,679 Fishing Vehicle 818,866 1,216,958 420,775 Vacation Home 232,888 523,578 0 All Sub-Totals 328,577 30,442 3,293,677 316,494 394,302 252,883 Source Sourc | Total | Charter | , | , | , | , | , | 40,963 |
| Shore 65,302 77,974 57,060 45,777 61,064 30,491 Equipment and Durable Expenditures Residents Non-Residents Rods and Reels 221,918 238,574 205,261 57,858 71,005 44,710 Other Tackle 87,535 93,398 81,672 36,245 46,875 25,616 Camping Equipment 13,516 15,546 11,486 11,486 11,496 11,491 <td></td> <td>Private/Rental</td> <td>,</td> <td>,</td> <td>,</td> <td>,</td> <td></td> <td>,</td> | | Private/Rental | , | , | , | , | | , |
| Equipment and Durable Expenditures Residents Non-Residents Rods and Reels 221,918 238,574 205,261 57,858 71,005 44,710 Other Tackle 87,535 93,398 81,672 36,245 46,875 25,616 Camping Equipment 13,516 15,546 11,486 11,486 11,491 11,9 | | | | | | | | |
| Rods and Reels 221,918 238,574 205,261 57,858 71,005 44,710 Other Tackle 87,535 93,398 81,672 36,245 46,875 25,616 Camping Equipment 13,516 15,546 11,486 11,486 11,496 Binoculars 14,161 16,331 11,991 11,991 11,991 Clothing 19,632 21,727 17,536 20 11,753 Processing/Taxidermy 3,748 5,294 2,202 20 20 Magazines 12,429 13,449 11,408 11,408 11,920 13,641 10,200 License Fees 27,975 30,186 25,763 20,873 20,873 20,873 20,873 20,873 20,873 20,873 20,873 20,873 20,873 20,873 20,226 20,873 20,873 20,226 20,873 20,226 20,873 20,226 20,873 20,226 20,873 20,226 20,227 20,227 20,227 20,227 | Equipment and Durable E | Expenditures | | | , | | | |
| Other Tackle 87,535 93,398 81,672 36,245 46,875 25,616 Camping Equipment 13,516 15,546 11,486 11,486 11,486 11,486 11,486 11,486 11,486 11,991 11,991 11,991 11,991 11,991 11,991 11,536 11,991 11,536 11,991 11,536 11,536 11,536 11,536 11,536 11,449 11,408 11,409 11,408 <td< td=""><td></td><td>· · · · · · · · · · · · · · · · · · ·</td><td>221.918</td><td></td><td>205.261</td><td></td><td></td><td>44,710</td></td<> | | · · · · · · · · · · · · · · · · · · · | 221.918 | | 205.261 | | | 44,710 |
| Camping Equipment 13,516 15,546 11,486 Binoculars 14,161 16,331 11,991 Clothing 19,632 21,727 17,536 Processing/Taxidermy 3,748 5,294 2,202 Magazines 12,429 13,449 11,408 Club Dues 11,920 13,641 10,200 License Fees 27,975 30,186 25,763 Miscellaneous 24,191 27,509 20,873 Boat Expenses 330,031 409,037 251,026 Power Boat Purchase 1,881,656 2,581,490 1,181,822 Non-Power Boat Purchase 24,422 43,183 5,662 Electronics 67,322 104,965 29,679 Fishing Vehicle 818,866 1,216,958 420,775 Vacation Home 232,888 523,578 0 All Sub-Totals 4,139,177 5,002,442 3,293,677 316,494 394,302 252,883 | Other Tackle | | | | | | | 25,616 |
| Binoculars 14,161 16,331 11,991 Clothing 19,632 21,727 17,536 Processing/Taxidermy 3,748 5,294 2,202 Magazines 12,429 13,449 11,408 Club Dues 11,920 13,641 10,200 License Fees 27,975 30,186 25,763 Miscellaneous 24,191 27,509 20,873 Boat Expenses 330,031 409,037 251,026 Power Boat Purchase 1,881,656 2,581,490 1,181,822 Non-Power Boat Purchase 24,422 43,183 5,662 Electronics 67,322 104,965 29,679 Fishing Vehicle 818,866 1,216,958 420,775 Vacation Home 232,888 523,578 0 All Sub-Totals 4,139,177 5,002,442 3,293,677 316,494 394,302 252,883 | Camping Equipment | | | | | , | , | , |
| Clothing 19,632 21,727 17,536 Processing/Taxidermy 3,748 5,294 2,202 Magazines 12,429 13,449 11,408 Club Dues 11,920 13,641 10,200 License Fees 27,975 30,186 25,763 Miscellaneous 24,191 27,509 20,873 Boat Expenses 330,031 409,037 251,026 Power Boat Purchase 1,881,656 2,581,490 1,181,822 Non-Power Boat Purchase 24,422 43,183 5,662 Electronics 67,322 104,965 29,679 Fishing Vehicle 818,866 1,216,958 420,775 Vacation Home 232,888 523,578 0 All Sub-Totals 4,139,177 5,002,442 3,293,677 316,494 394,302 252,883 | | | | | | | | |
| Processing/Taxidermy 3,748 5,294 2,202 Magazines 12,429 13,449 11,408 Club Dues 11,920 13,641 10,200 License Fees 27,975 30,186 25,763 Miscellaneous 24,191 27,509 20,873 Boat Expenses 330,031 409,037 251,026 Power Boat Purchase 1,881,656 2,581,490 1,181,822 Non-Power Boat Purchase 24,422 43,183 5,662 Electronics 67,322 104,965 29,679 Fishing Vehicle 818,866 1,216,958 420,775 Vacation Home 232,888 523,578 0 All Sub-Totals 4,139,177 5,002,442 3,293,677 316,494 394,302 252,883 | | | | | | | | |
| Magazines 12,429 13,449 11,408 Club Dues 11,920 13,641 10,200 License Fees 27,975 30,186 25,763 Miscellaneous 24,191 27,509 20,873 Boat Expenses 330,031 409,037 251,026 Power Boat Purchase 1,881,656 2,581,490 1,181,822 Non-Power Boat Purchase 24,422 43,183 5,662 Electronics 67,322 104,965 29,679 Fishing Vehicle 818,866 1,216,958 420,775 Vacation Home 232,888 523,578 0 All Sub-Totals 4,139,177 5,002,442 3,293,677 316,494 394,302 252,883 | 0 | | , | , | | | | |
| Club Dues 11,920 13,641 10,200 License Fees 27,975 30,186 25,763 Miscellaneous 24,191 27,509 20,873 Boat Expenses 330,031 409,037 251,026 Power Boat Purchase 1,881,656 2,581,490 1,181,822 Non-Power Boat Purchase 24,422 43,183 5,662 Electronics 67,322 104,965 29,679 Fishing Vehicle 818,866 1,216,958 420,775 Vacation Home 232,888 523,578 0 All Sub-Totals 4,139,177 5,002,442 3,293,677 316,494 394,302 252,883 | , | | | , | , | | | |
| License Fees 27,975 30,186 25,763 Miscellaneous 24,191 27,509 20,873 Boat Expenses 330,031 409,037 251,026 Power Boat Purchase 1,881,656 2,581,490 1,181,822 Non-Power Boat Purchase 24,422 43,183 5,662 Electronics 67,322 104,965 29,679 Fishing Vehicle 818,866 1,216,958 420,775 Vacation Home 232,888 523,578 0 All Sub-Totals 4,139,177 5,002,442 3,293,677 316,494 394,302 252,883 | o e | | | , | , | | | |
| Miscellaneous 24,191 27,509 20,873 Boat Expenses 330,031 409,037 251,026 Power Boat Purchase 1,881,656 2,581,490 1,181,822 Non-Power Boat Purchase 24,422 43,183 5,662 Electronics 67,322 104,965 29,679 Fishing Vehicle 818,866 1,216,958 420,775 Vacation Home 232,888 523,578 0 All Sub-Totals 4,139,177 5,002,442 3,293,677 316,494 394,302 252,883 | | | | , | , | | | |
| Boat Expenses 330,031 409,037 251,026 Power Boat Purchase 1,881,656 2,581,490 1,181,822 Non-Power Boat Purchase 24,422 43,183 5,662 Electronics 67,322 104,965 29,679 Fishing Vehicle 818,866 1,216,958 420,775 Vacation Home 232,888 523,578 0 All Sub-Totals 4,139,177 5,002,442 3,293,677 316,494 394,302 252,883 | | | , | , | | | | |
| Power Boat Purchase 1,881,656 2,581,490 1,181,822 Non-Power Boat Purchase 24,422 43,183 5,662 Electronics 67,322 104,965 29,679 Fishing Vehicle 818,866 1,216,958 420,775 Vacation Home 232,888 523,578 0 All Sub-Totals 4,139,177 5,002,442 3,293,677 316,494 394,302 252,883 | | | | | | | | |
| Non-Power Boat Purchase 24,422 43,183 5,662 Electronics 67,322 104,965 29,679 Fishing Vehicle 818,866 1,216,958 420,775 Vacation Home 232,888 523,578 0 All Sub-Totals 4,139,177 5,002,442 3,293,677 316,494 394,302 252,883 | | | , | , | | | | |
| Electronics 67,322 104,965 29,679 Fishing Vehicle 818,866 1,216,958 420,775 Vacation Home 232,888 523,578 0 All Sub-Totals 4,139,177 5,002,442 3,293,677 316,494 394,302 252,883 | | | | | | | | |
| Fishing Vehicle 818,866 1,216,958 420,775 Vacation Home 232,888 523,578 0 All Sub-Totals 4,139,177 5,002,442 3,293,677 316,494 394,302 252,883 | | | | | | | | |
| Vacation Home 232,888 523,578 0 All Sub-Totals 4,139,177 5,002,442 3,293,677 316,494 394,302 252,883 | | | | | | | | |
| All Sub-Totals 4,139,177 5,002,442 3,293,677 316,494 394,302 252,883 | | | | | | | | |
| Chata Tatal 4 455 670 5 999 495 9 697 791 | | | | | - | 316,494 | 394,302 | 252,883 |
| atate rotat 4,400,070 5,322,430 3,007,7811 | State Total | | 4,455,670 | 5,322,435 | 3,607,781 | | | |



Florida (All)

Table 11. Florida (All) Total Expenditures by Resident Status, 1999 and 2000 (in thousands of dollars).

| FLORIDA (A | LL) | Total | Upper Bound | Lower Bound | Total | Upper Bound | Lower Bound |
|--------------------------------|----------------|-----------|----------------|-------------|---------|-----------------|-------------|
| Trip Expenditures | Mode | | Residents (\$) | | ı | Non-Residents (| |
| Private Transportation | Charter | 831 | 947 | 716 | 3,537 | 4,419 | 2,655 |
| | Private/Rental | 24,376 | 26,268 | 22,484 | 8,043 | 9,342 | 6,744 |
| | Shore | 19,931 | 22,287 | 17,576 | 16,624 | 20,990 | 12,257 |
| Food | Charter | 4,319 | 5,570 | 3,068 | 11,007 | 14,925 | 7,089 |
| | Private/Rental | 117,248 | 125,613 | 108,883 | 18,380 | 21,187 | 15,572 |
| | Shore | 60,405 | 67,587 | 53,223 | 28,226 | 35,204 | 21,249 |
| Lodging | Charter | 2,889 | 4,163 | 1,615 | 7,066 | 10,278 | 3,853 |
| | Private/Rental | 187,625 | 270,955 | 104,295 | 32,243 | 49,701 | 14,785 |
| | Shore | 60,390 | 121,531 | 0 | 72,462 | 107,574 | 37,351 |
| Public Transportation | Charter | 755 | 1,321 | 189 | 49,895 | 105,467 | 5,089 |
| | Private/Rental | 3,996 | 11,827 | 0 | 28,350 | | 356 |
| | Shore | 5,668 | 15,198 | 0 | 16,624 | 49,207 | 0 |
| Boat Fuel | Private/Rental | 129,939 | 139,321 | 120,558 | 15,390 | 18,191 | 12,590 |
| Charter Fees | Charter | 19,793 | 24,463 | 15,122 | 58,124 | 80,737 | 35,511 |
| Access/Boat Launching | Charter | 52 | 123 | 0 | 394 | 895 | 0 |
| _ | Private/Rental | 6,776 | 8,213 | 5,339 | 1,104 | 1,479 | 729 |
| | Shore | 6,122 | 7,952 | 4,291 | 1,786 | 2,898 | 674 |
| Equipment Rental | Charter | 691 | 1,531 | 0 | 68 | 142 | 0 |
| • • | Private/Rental | 1,900 | 3,444 | 511 | 60 | 179 | 0 |
| | Shore | 346 | 805 | 56 | 334 | 915 | 0 |
| Bait | Charter | 35 | 56 | 13 | 148 | 302 | 0 |
| | Private/Rental | 46,204 | 50,146 | 42,263 | 4,866 | 5,900 | 3,832 |
| | Shore | 22,701 | 25,150 | 20,252 | 8,082 | 10,121 | 6,042 |
| Ice | Charter | 45 | 68 | 23 | 157 | 255 | 60 |
| | Private/Rental | 15,452 | 16,998 | 13,906 | 1,850 | 2,263 | 1,437 |
| | Shore | 4,296 | 4,942 | 3,651 | 2,102 | 3,040 | 1,164 |
| Total | Charter | 29,410 | 34,514 | 24,307 | 130,396 | 190,616 | 79,942 |
| | Private/Rental | 533,517 | 618,306 | 448,730 | 110,286 | 155,389 | 77,011 |
| | Shore | 179,860 | 242,279 | 118,188 | 146,240 | 194,910 | 97,569 |
| Equipment and Durable I | Expenditures | | Residents (\$) | | 1 | Non-Residents (| (\$) |
| Rods and Reels | | 414,578 | 438,193 | 390,962 | 82,590 | 96,560 | 68,620 |
| Other Tackle | | 164,809 | 173,502 | 156,115 | 51,781 | 62,982 | 40,579 |
| Camping Equipment | | 29,323 | 33,320 | 25,327 | | | |
| Binoculars | | 22,224 | 24,918 | 19,529 | | | |
| Clothing | | 32,940 | 35,949 | 29,932 | | | |
| Processing/Taxidermy | | 6,563 | 8,405 | 4,720 | | | |
| Magazines | | 22,887 | 24,312 | 21,461 | | | |
| Club Dues | | 21,120 | 23,385 | 18,854 | | | |
| License Fees | | 48,535 | 51,318 | 45,752 | | | |
| Miscellaneous | | 48,453 | 53,744 | 43,161 | | | |
| Boat Expenses | | 561,869 | 645,912 | 477,825 | | | |
| Power Boat Purchase | | 3,793,900 | 5,019,817 | 2,567,983 | | | |
| Non-Power Boat Purchase | 1 | 37,723 | 61,430 | 14,016 | | | |
| Electronics | | 113,956 | 158,477 | 69,436 | | | |
| Fishing Vehicle | | 1,507,991 | 2,090,519 | 925,464 | | | |
| Vacation Home | | 262,962 | 558,963 | 23,480 | | | |
| All Sub-Totals | | 7,832,619 | 9,229,493 | 6,446,654 | 521,292 | 612,671 | 441,653 |
| State Total | | 8,353,911 | 9,753,771 | 6,965,659 | | | |

Table 12. Georgia Average Expenditures by Mode and Resident Status, 1999 and 2000.

| GEORG | IA | | Res | idents | | | Non-Re | esidents | |
|-------------------------|-----------------|---------------------|-------------------|-----------------|----------|----------------------|-------------------|-----------------|----------|
| Trip Expenditures | Mode | All | (\$) | Spende | ers (\$) | All | (\$) | Spend | ers (\$) |
| | | Mean | Standard | Mean | Standard | Mean | Standard | Mean | Standard |
| | | | Error | | Error | | Error | | Error |
| Drivata Transportation | Charter | 13.64 | 1.05 | 13.64 | 1.05 | 5.67 | 0.22 | 5.67 | 0.22 |
| Private Transportation | Private/Rental | 5.68 | 0.95 | 5.68 | 0.95 | 8.04 | 0.22 | 8.04 | 0.22 |
| | Shore | 10.07 | 1.60 | 10.07 | 1.60 | 9.02 | 1.11 | 9.02 | 1.11 |
| Food | Charter | 23.03 | 5.30 | 24.80 | 5.56 | 20.75 | 1.28 | 20.75 | 1.28 |
| 1 000 | Private/Rental | 11.31 | 1.61 | 11.81 | 1.64 | 29.12 | 5.75 | 29.12 | 5.75 |
| | Shore | 12.43 | 3.18 | 15.54 | 3.57 | 22.78 | 3.82 | 22.78 | 3.82 |
| Lodging | Charter | 27.90 | 8.29 | 45.33 | 8.88 | 33.75 | 2.34 | 33.75 | 2.34 |
| | Private/Rental | 124.24 | 124.24 | 248.48 | . * | 22.31 | 8.37 | 22.31 | 8.37 |
| | Shore | 4.47 | 4.47 | 8.95 | . * | 65.34 | 22.88 | 65.34 | 22.88 |
| Public Transportation | Charter | 1.42 | 0.97 | 12.74 | . * | 11.81 | 2.38 | 90.83 | 14.65 |
| • | Private/Rental | | | - | - | 1.99 | 1.99 | 33.90 | . * |
| | Shore | | | - | | 5.40 | 5.40 | 70.15 | . * |
| Boat Fuel | Private/Rental | 10.60 | 1.53 | 11.08 | 1.56 | 9.19 | 1.59 | 10.45 | 1.63 |
| Charter Fees | Charter | 73.68 | 16.00 | 147.36 | 18.30 | 80.99 | 4.54 | 119.01 | 5.40 |
| Access/Boat Launching | Charter | 0.28 | 0.20 | 4.78 | . * | 0.10 | 0.04 | 5.78 | 1.30 |
| | Private/Rental | 1.61 | 0.41 | 4.74 | 0.72 | 1.26 | 0.36 | 3.09 | 0.51 |
| | Shore | 0.41 | 0.19 | 1.86 | 0.52 | 4.07 | 1.64 | 8.13 | 2.69 |
| Equipment Rental | Charter | 9.37 | 6.52 | 159.28 | . * | 1.36 | 0.72 | 63.80 | 28.86 |
| | Private/Rental | | | - | - | 0.68 | 0.48 | 9.20 | 1.71 |
| | Shore | | | - | - | 0.39 | 0.39 | 7.01 | . * |
| Bait | Charter | 2.60 | 0.98 | 10.39 | 2.30 | 0.77 | 0.19 | 12.92 | 2.17 |
| | Private/Rental | 6.53 | 1.26 | 9.30 | 1.56 | 3.34 | 1.05 | 6.67 | 1.65 |
| | Shore | 3.82 | 0.99 | 6.28 | 1.25 | 6.11 | 2.19 | 8.46 | 2.78 |
| Ice | Charter | 0.54 | 0.17 | 1.61 | 0.30 | 0.69 | 0.10 | 3.39 | 0.39 |
| | Private/Rental | 1.37 | 0.25 | 2.00 | 0.31 | 1.58 | 0.30 | 2.24 | 0.32 |
| | Shore | 0.58 | 0.17 | 1.34 | 0.21 | 2.01 | 0.56 | 2.42 | 0.63 |
| Total | Charter Charter | 152.45 | 19.97 | 419.94 | 21.24 | 155.90 | 5.83 | 355.90 | 33.02 |
| | Private/Rental | 161.34 | 124.27 | 293.08 | 3.02 | 77.51 | 10.57 | 125.03 | 10.60 |
| Wave Expenditures** | Shore | 31.78 All | 5.81 | 44.03 Spende | 4.15 | 115.13 All | 24.01 | 193.32 Spend | 23.55 |
| wave Expenditures | | All | (\$) | Spend | ers (ఫ) | All | (\$) | Spenu | ers (\$) |
| Rods and Reels | | 45.09 | 12.40 | 94.85 | 22.67 | 31.04 | 6.14 | 94.47 | 18.42 |
| Other Tackle | | 24.63 | 8.39 | 24.63 | 8.39 | 14.01 | 2.05 | 14.01 | 2.05 |
| Camping Equipment | | 2.13 | 1.45 | 41.05 | 26.79 | - | | | |
| Binoculars | | 3.76 | 3.12 | 81.82 | 62.24 | | | | |
| Clothing | | 14.52 | 11.27 | 119.89 | 99.53 | | | | |
| Processing/Taxidermy | | 0.51 | 0.36 | 22.37 | 23.90 | | | | |
| Magazines | | 1.72 | 0.79 | 20.71 | 6.38 | | | | |
| Club Dues | | 7.28 | 4.65 | 65.44 | 33.70 | | | | |
| License Fees | | 3.78 | 0.81 | 10.75 | 1.01 | | | | |
| Miscellaneous | | 2.27 | 2.19 | 95.98 | 31.71 | | | | |
| Total | | 105.70 | 19.77 | 577.49 | 133.55 | 45.05 | 6.47 | 108.48 | 18.53 |
| Annual Expenditures | | All | (\$) | Spende | ers (\$) | | | | |
| Boat Expenses | | 115.37 | 38.54 | 489.82 | 65.67 | | | | |
| Power Boat Purchase | | 66.14 | 19.53 | 637.22 | 166.86 | | | | |
| Non-Power Boat Purchase | ; | 0.07 | 0.06 | 14.57 | | | | | |
| Electronics | | 5.62 | 2.58 | 193.99 | 161.91 | | | | |
| Fishing Vehicle | | 9.49 | 9.75 | 1,678.79 | 3,700.32 | | | | |
| Vacation Home | | 4.14 | 4.28 | 2,563.97 | .* | | | | |
| | | | 44.58 | 5,578.35 | 3,708.20 | ı | | 1 | |

^{*} indicates standard error based on < 10 observations. If the cell is missing (.) and has an asterisk, only one observation was available.



Georgia

Table 13. Georgia Total Expenditures by Resident Status, 1999 and 2000 (in thousands of dollars).

| GEORG | IA | Total | Upper Bound | Lower Bound | Total | Upper Bound | Lower Bound |
|-------------------------|----------------|---------|-------------|-------------|-------|---------------|-------------|
| Trip Expenditures | Mode | | Residents | | | Non-Residents | |
| Private Transportation | Charter | 81 | 111 | 50 | 10 | 16 | 4 |
| | Private/Rental | 1,685 | 2,337 | 1,034 | 65 | 101 | 28 |
| | Shore | 1,854 | 2,634 | 1,074 | 222 | 345 | 100 |
| Food | Charter | 136 | 213 | 59 | 38 | 60 | 15 |
| | Private/Rental | 3,353 | 4,514 | 2,192 | 234 | 386 | 81 |
| | Shore | 2,288 | 3,599 | 977 | 562 | 893 | 230 |
| Lodging | Charter | 165 | 276 | 54 | 61 | 98 | 25 |
| | Private/Rental | 36,846 | 109,064 | 0 | 179 | 338 | 20 |
| | Shore | 823 | 2,437 | 0 | 1,611 | 2,947 | 274 |
| Public Transportation | Charter | 8 | 20 | 0 | 22 | 36 | 7 |
| | Private/Rental | 0 | 0 | 0 | 16 | 47 | 0 |
| | Shore | 0 | 0 | 0 | 133 | 394 | 0 |
| Boat Fuel | Private/Rental | 3,142 | 4,241 | 2,044 | 74 | | 28 |
| Charter Fees | Charter | 435 | 674 | 197 | 148 | 235 | 60 |
| Access/Boat Launching | Charter | 2 | 4 | 0 | 0 | | 0 |
| Access/Boat Eautiching | Private/Rental | 479 | 736 | 222 | 10 | 18 | 2 |
| | Shore | 75 | 147 | 2 | 100 | 192 | 9 |
| Equipment Rental | Charter | 55 | 132 | 0 | 2 | | 0 |
| Equipment Hentai | Private/Rental | 0 | 0 | 0 | 5 | 13 | |
| | Shore | 0 | 0 | 0 | 10 | | 0 |
| Bait | Charter | 15 | 28 | 3 | 10 | 20 | |
| Dall | | | | - | 27 | | |
| | Private/Rental | 1,936 | 2,766 | 1,107 | | 48 | 5 |
| | Shore | 704 | 1,112 | 295 | 151 | 277 | 24 |
| Ice | Charter | 3 | 5 | 1 | 1 | 2 | 0 |
| | Private/Rental | 407 | 575 | 240 | 13 | 21 | 5 |
| | Shore | 107 | 174 | 40 | 50 | 86 | 14 |
| Total | Charter | 901 | 1,187 | 614 | 284 | 383 | 185 |
| | Private/Rental | 47,849 | 120,093 | 0 | 622 | 853 | 391 |
| E | Shore | 5,850 | 8,111 | 3,590 | 2,838 | 4,254 | 1,422 |
| Equipment and Durable I | Expenditures | 10.051 | Residents | 7.007 | | Non-Residents | |
| Rods and Reels | | 10,954 | 14,241 | 7,667 | 889 | 515 | 1,263 |
| Other Tackle | | 5,982 | 8,070 | 3,895 | 401 | 239 | 564 |
| Camping Equipment | | 517 | 842 | 191 | | | |
| Binoculars | | 912 | 1,602 | 222 | | | |
| Clothing | | 3,528 | 6,032 | 1,025 | | | |
| Processing/Taxidermy | | 125 | 205 | 45 | | | |
| Magazines | | 419 | 605 | 233 | | | |
| Club Dues | | 1,769 | 2,818 | 721 | | | |
| License Fees | | 917 | 1,155 | 680 | | | |
| Miscellaneous | | 552 | 1,033 | 72 | | | |
| Boat Expenses | | 10,504 | 17,810 | 3,199 | | | |
| Power Boat Purchase | | 6,022 | 9,790 | 2,254 | | | |
| Non-Power Boat Purchase | | 6 | 17 | 0 | | | |
| Electronics | | 511 | 986 | 36 | | | |
| Fishing Vehicle | | 864 | 2,603 | 0 | | | |
| Vacation Home | | 377 | 1,140 | 0 | | | |
| All Sub-Totals | | 98,562 | 171,495 | 25,629 | 5,034 | 6,530 | 3,539 |
| State Total | | 103,596 | 176,544 | 30,648 | | | |

Table 14. Louisiana Average Expenditures by Mode and Resident Status, 1999 and 2000.

| Trip Expenditures Private Transportation Food Lodging | Mode Charter Private/Rental Shore Charter Private/Rental Shore Charter | 6.29 5.57 4.52 20.04 14.85 | Standard Error 0.30 0.13 0.26 | Spendo Mean 6.29 5.57 | Standard Error | All Mean | Standard | Spend Mean | ers (\$) Standard |
|--|---|--|---|--------------------------------|----------------------|--------------|----------|----------------------|----------------------|
| Private Transportation Food | Private/Rental Shore Charter Private/Rental Shore | 6.29 5.57 4.52 20.04 | 0.30 0.13 0.26 | Mean 6.29 | Standard | Mean | | Mean | Standard |
| Food | Private/Rental Shore Charter Private/Rental Shore | 5.57 4.52 20.04 | 0.30 0.13 0.26 | | Error | | | | |
| Food | Private/Rental Shore Charter Private/Rental Shore | 5.57 4.52 20.04 | 0.13 0.26 | | | | Error | | Error |
| Food | Private/Rental Shore Charter Private/Rental Shore | 5.57 4.52 20.04 | 0.13 0.26 | | 0.30 | 3.47 | 0.60 | 3.47 | 0.60 |
| | Shore Charter Private/Rental Shore | 4.52 20.04 | 0.26 | 1 22/ | 0.13 | 6.91 | 3.19 | 6.91 | 3.19 |
| | Charter Private/Rental Shore | 20.04 | | 4.52 | 0.26 | 3.30 | 0.49 | 3.30 | 0.49 |
| | Private/Rental Shore | | 1.67 | 24.87 | 1.89 | 12.71 | 3.32 | 18.61 | 4.45 |
| Lodging | Shore | | 0.56 | 16.05 | 0.58 | 18.77 | 3.41 | 18.77 | 3.41 |
| Lodging | | 12.68 | 1.63 | 15.77 | 1.84 | 37.64 | 18.93 | 37.64 | 18.93 |
| | Charier | 23.75 | 8.15 | 65.32 | 19.39 | 11.67 | 4.23 | 45.50 | 11.13 |
| | Private/Rental | 14.07 | 3.73 | 62.43 | 9.30 | 5.80 | 5.25 | 14.50 | 12.22 |
| | Shore | 15.62 | 14.03 | 54.66 | 44.73 | 42.96 | 19.61 | 42.96 | 19.61 |
| Public Transportation | Charter | 2.93 | 1.99 | 51.35 | 27.74 | 6.38 | 4.46 | 140.30 | 10.01 |
| Table Transportation | Private/Rental | 0.65 | 0.35 | 9.36 | 3.31 | 0.00 | 1.10 | 1 10.00 | |
| | Shore | 0.00 | 0.00 | 3.00 | 0.01 | • | • | • | |
| Boat Fuel | Private/Rental | 13.04 | 0.47 | 14.36 | 0.50 | 11.89 | 2.67 | 14.64 | 2.77 |
| Charter Fees | Charter | 118.83 | 9.08 | 167.45 | 10.10 | 89.65 | 15.26 | 137.46 | 18.10 |
| Access/Boat Launching | Charter | 0.17 | 0.07 | 4.69 | 0.94 | 09.00 | 13.20 | 107.40 | 10.10 |
| Access/ Boat Lauriching | Private/Rental | 2.99 | 0.10 | 3.97 | 0.34 | 4.25 | 2.37 | 7.22 | 3.81 |
| | Shore | 2.39 | 0.10 | 7.52 | 0.11 | 0.96 | 0.96 | 3.83 | 3.01 |
| Equipment Rental | Charter | 0.04 | 0.42 | 4.97 | 0.59 | 0.90 | 0.90 | 3.03 | • |
| Equipment Hentai | Private/Rental | 0.04 | 0.03 | 29.35 | * | 2.97 | 2.97 | 50.51 | • |
| | Shore | 0.52 | 0.21 | 29.33 | • | 2.97 | 2.97 | 50.51 | |
| Bait | Charter | 0.06 | 0.04 | 6.63 | | 0.56 | 0.32 | 7.29 | 2.54 |
| Dail | Private/Rental | 4.95 | | 8.59 | 0.27 | | 1.47 | | 2.34 |
| | Shore | 4.95 | 0.26 0.64 | | 0.37 0.78 | 3.95 2.65 | 2.23 | 8.39 2.65 | 2.23 |
| I | | | | 6.99 | | | | | 1.64 |
| Ice | Charter | 0.29 | 0.05 | 2.20 | 0.15 | 0.81 | 0.38 | 4.21 | |
| | Private/Rental | 1.96 | 0.09 | 3.00 | 0.12 | 1.77 | 0.49 | 3.01 | 0.55 |
| T-A-I | Shore Charter | 1.24 172.42 | 0.16 | 2.21 | 0.20 | 1.34 | 1.12 | 1.79 353.37 | 1.45 21.92 |
| Total | | | 12.48 | 327.47 | 35.38 | 125.24 | 16.80 | | |
| | Private/Rental | 58.60 | 3.83 | 147.11 | 13.72 | 56.31 | 8.56 | 117.04 | 13.73 |
| Waya Eynandituyaatt | Shore | 41.35 | 14.15 | 87.15 | 44.77 | 88.85 | 27.39 | 88.87 | 27.38 |
| Wave Expenditures** | | All (| (\$) | Spende | ers (\$) | All | (\$) | Spend | ers (\$) |
| Rods and Reels | | 58.31 | 3.52 | 115.62 | 5.60 | 18.89 | 7.24 | 60.49 | 24.09 |
| Other Tackle | | 33.59 | 2.76 | 33.59 | 2.76 | 24.74 | 11.78 | 24.74 | 11.78 |
| Camping Equipment | | 5.57 | 1.76 | 181.27 | 44.37 | | | | |
| Binoculars | | 3.53 | 0.95 | 133.08 | 26.39 | | | | |
| Clothing | | 8.84 | 1.25 | 77.94 | 7.52 | | | | |
| Processing/Taxidermy | | 3.97 | 1.44 | 262.75 | 60.21 | | | | |
| Magazines | | 3.77 | 0.44 | 24.27 | 1.84 | | | | |
| Club Dues | | 4.86 | 0.89 | 57.95 | 8.08 | | | | |
| License Fees | | 8.25 | 0.71 | 16.05 | 1.30 | | | | |
| Miscellaneous | | 3.54 | 0.63 | 67.31 | 7.51 | | | | |
| Total | | 134.23 | 5.43 | 969.83 | 80.70 | 43.63 | 13.82 | 85.23 | 26.82 |
| Annual Expenditures | | All (| | Spende | ers (\$) | | | | |
| Deat France | | 050.47 | 04.05 | 057.00 | E0 07 | | | | |
| Boat Expenses | | 258.47 | 31.25 | 657.98 | 50.87 | | | | |
| Power Boat Purchase | | 1,055.41 | 136.46 | 4,633.73 | 193.00 | | | | |
| Non-Power Boat Purchase | | 26.71 | 13.74 | 1,169.66 | 364.99 | | | | |
| Electronics | | 27.35 | 4.75 | 355.18 | 55.48 | | | | |
| Fishing Vehicle | | 463.69 | 98.70 | 9,502.42 | 1,446.40 | | | | |
| Vacation Home Total | | 70.01 1,901.63 | 42.90 177.17 | 3,801.36 20,120.34 | 1,951.63 2,465.17 | | | | |

^{*} indicates standard error based on < 10 observations. If the cell is missing (.) and has an asterisk, only one observation was available.



Louisiana

Table~15.~Louisiana~Total~Expenditures~by~Resident~Status,~1999~and~2000~(in~thousands~of~dollars).

| LOUISIA | NA | Total | Upper Bound | Lower Bound | Total | Upper Bound | Lower Bound |
|-------------------------|----------------|-----------|-------------|-------------|--------|---------------|-------------|
| Trip Expenditures | Mode | | Residents | | | Non-Residents | 1 |
| Private Transportation | Charter | 195 | 234 | 157 | 89 | 125 | 53 |
| • | Private/Rental | 11,411 | 12,662 | 10,160 | 985 | 1,890 | 81 |
| | Shore | 2,945 | 3,555 | 2,334 | 73 | 110 | 35 |
| Food | Charter | 622 | 770 | 474 | 326 | 509 | 144 |
| | Private/Rental | 30,432 | 34,202 | 26,662 | 2,678 | 3,737 | 1,619 |
| | Shore | 8,270 | 10,799 | 5,741 | 829 | | , |
| Lodging | Charter | 737 | 1,247 | 227 | 299 | , | |
| gg | Private/Rental | 28,820 | 44,041 | 13,599 | 827 | | |
| | Shore | 10,183 | 28,131 | 0 | 946 | , | |
| Public Transportation | Charter | 91 | 213 | 0 | 164 | , | |
| . abiio Transportation | Private/Rental | 1,331 | 2,741 | 0 | 0 | | |
| | Shore | 0 | 2,7 0 | 0 | 0 | | |
| Boat Fuel | Private/Rental | 26,723 | 29,993 | 23,454 | 1,696 | - | - |
| Charter Fees | Charter | 3,688 | 4,533 | 2,843 | 2,301 | 3,232 | |
| Access/Boat Launching | Charter | 5 | 10 | 1 | 2,001 | | , |
| Access/Boat Lauriering | Private/Rental | 6,129 | 6,868 | 5,390 | 606 | | |
| | Shore | 1,560 | 2,159 | 962 | 21 | 62 | |
| Equipment Rental | Charter | 1,500 | 2,139 | 0 | 0 | | |
| Equipment hental | Private/Rental | 1,056 | 1,898 | 214 | 424 | | |
| | Shore | 1,030 | 0 | 0 | 0 | , | |
| Bait | Charter | 2 | 4 | 0 | 14 | | |
| Dail | | | · · | - | 563 | | |
| | Private/Rental | 10,136 | 11,584 | 8,687 | | | |
| laa. | Shore | 3,193 | 4,186 | 2,201 | 58 | | |
| Ice | Charter | 9 | 13 | 5 | 21 | 40 | |
| | Private/Rental | 4,005 | 4,544 | 3,466 | 253 | | |
| | Shore | 805 | 1,055 | 556 | 30 | | |
| Total | Charter | 5,351 | 6,357 | 4,345 | 3,214 | | , |
| | Private/Rental | 120,043 | 136,284 | 103,802 | 8,033 | | , |
| | Shore | 26,956 | 45,131 | 8,782 | 1,957 | | |
| Equipment and Durable I | expenditures | | Residents | | | Non-Residents | |
| Rods and Reels | | 66,609 | 73,439 | 59,778 | 7,114 | | |
| Other Tackle | | 38,370 | 42,675 | 34,066 | 9,318 | 15,979 | 2,657 |
| Camping Equipment | | 6,366 | 8,108 | 4,624 | | | |
| Binoculars | | 4,032 | 4,989 | 3,075 | | | |
| Clothing | | 10,097 | 11,573 | 8,621 | | | |
| Processing/Taxidermy | | 4,537 | 5,943 | 3,132 | | | |
| Magazines | | 4,307 | 4,875 | 3,739 | | | |
| Club Dues | | 5,555 | 6,529 | 4,581 | | | |
| License Fees | | 9,427 | 10,503 | 8,352 | | | |
| Miscellaneous | | 4,045 | 4,736 | 3,354 | | | |
| Boat Expenses | | 114,317 | 144,039 | 84,595 | | | |
| Power Boat Purchase | | 466,798 | 595,172 | 338,424 | | | |
| Non-Power Boat Purchase | | 11,812 | 23,775 | 0 | | | |
| Electronics | | 12,095 | 16,405 | 7,786 | | | |
| Fishing Vehicle | | 205,083 | 293,330 | 116,837 | | | |
| Vacation Home | | 30,964 | 68,244 | 0 | | | |
| All Sub-Totals | | 1,146,765 | 1,312,215 | 981,316 | 29,636 | 38,056 | 21,216 |
| State Total | | 1,176,402 | 1,342,065 | 1,010,738 | | | |

Table 16. Mississippi Average Expenditures by Mode and Resident Status, 1999 and 2000.

| MISSISSIP | PI | | Res | idents | | | Non-Re | esidents | |
|-------------------------|----------------|----------|----------|-----------|----------|--------|----------|----------|----------|
| Trip Expenditures | Mode | All | (\$) | Spende | ers (\$) | All | (\$) | Spend | ers (\$) |
| | | Mean | Standard | Mean | Standard | Mean | Standard | Mean | Standard |
| | | | Error | | Error | | Error | | Error |
| Private Transportation | Charter | 10.08 | 0.99 | 10.08 | 0.99 | 3.51 | 0.23 | 3.51 | 0.23 |
| Tivate Transportation | Private/Rental | 0.82 | 0.11 | 0.82 | 0.11 | 8.26 | 0.63 | 8.26 | 0.63 |
| | Shore | 1.65 | 0.27 | 1.65 | 0.27 | 6.56 | 1.03 | 6.56 | 1.03 |
| Food | Charter | 24.49 | 4.46 | 24.49 | 4.46 | 15.89 | 1.70 | 19.21 | 1.92 |
| | Private/Rental | 11.84 | 0.97 | 12.56 | 0.99 | 19.61 | 3.36 | 19.61 | 3.36 |
| | Shore | 5.70 | 0.84 | 8.44 | 1.04 | 19.21 | 4.39 | 21.61 | 4.17 |
| Lodging | Charter | 13.83 | 8.93 | 48.42 | * | 23.52 | 4.02 | 38.88 | 6.02 |
| 3 3 | Private/Rental | _ | | | | 30.76 | 13.76 | 52.73 | 20.06 |
| | Shore | | | | | 24.94 | 16.50 | 37.41 | 18.71 |
| Public Transportation | Charter | | | | | 2.91 | 1.30 | 29.56 | 11.23 |
| • | Private/Rental | | | | | | | | - |
| | Shore | | | | | | | | - |
| Boat Fuel | Private/Rental | 13.94 | 1.15 | 15.69 | 1.20 | 16.04 | 3.10 | 17.65 | 3.27 |
| Charter Fees | Charter | 111.01 | 13.31 | 129.51 | 11.77 | 67.32 | 6.65 | 92.26 | 7.86 |
| Access/Boat Launching | Charter | | | | | 0.01 | 0.01 | 0.82 | 0.00 |
| | Private/Rental | 0.30 | 0.16 | 4.63 | 2.12 | 2.07 | 0.50 | 3.93 | 0.72 |
| | Shore | 0.09 | 0.06 | 2.25 | 0.93 | 0.40 | 0.27 | 1.80 | 0.40 |
| Equipment Rental | Charter | | | | | 0.06 | 0.04 | 4.68 | . * |
| | Private/Rental | | | | _ | | | | _ |
| | Shore | 0.03 | 0.03 * | 1.99 | . * | | | | _ |
| Bait | Charter | | | | | 0.69 | 0.30 | 13.16 | 3.52 |
| | Private/Rental | 5.10 | 0.57 | 7.84 | 0.73 | 4.86 | 1.21 | 8.95 | 1.75 |
| | Shore | 3.41 | 0.57 | 4.83 | 0.72 | 3.95 | 1.14 | 5.08 | 1.13 |
| Ice | Charter | 0.09 | 0.04 | 0.87 | . * | 0.46 | 0.14 | 4.35 | 0.82 |
| | Private/Rental | 2.15 | 0.26 | 3.36 | 0.35 | 1.88 | 0.45 | 2.87 | 0.60 |
| | Shore | 0.72 | 0.13 | 1.66 | 0.22 | 1.17 | 0.52 | 2.11 | 0.68 |
| Total | Charter | 159.50 | 16.67 | 203.29 | 12.59 | 114.38 | 8.07 | 202.91 | 15.52 |
| | Private/Rental | 34.14 | 1.64 | 44.08 | 2.75 | 83.49 | 14.58 | 105.74 | 20.69 |
| | Shore | 11.59 | 1.05 | 19.17 | 1.59 | 56.23 | 17.15 | 68.01 | 19.21 |
| Wave Expenditures** | | All | (\$) | Spende | ers (\$) | All | (\$) | Spend | ers (\$) |
| Rods and Reels | | 67.58 | 12.94 | 129.05 | 22.32 | 25.18 | 6.20 | 73.11 | 16.87 |
| Other Tackle | | 42.68 | 12.45 | 42.68 | 12.45 | 15.00 | 3.48 | 15.00 | 3.48 |
| Camping Equipment | | 6.52 | 1.84 | 78.05 | 10.09 | | | | |
| Binoculars | | 2.88 | 1.22 | 73.74 | * | | | | |
| Clothing | | 6.55 | 1.92 | 76.73 | 10.41 | | | | |
| Processing/Taxidermy | | 5.00 | 3.21 | 341.45 | * | | | | |
| Magazines | | 2.87 | 0.58 | 19.51 | . * | | | | |
| Club Dues | | 4.17 | 1.62 | 51.19 | 15.12 | | | | |
| License Fees | | 11.42 | 1.65 | 22.96 | 2.74 | | | | |
| Miscellaneous | | 5.26 | 1.92 | 84.25 | 22.34 | | | | |
| Total | | 154.94 | 18.72 | 919.61 | 39.98 | 40.19 | 7.11 | 88.11 | 17.23 |
| Annual Expenditures | | All | (\$) | Spende | ers (\$) | | | | |
| Boat Expenses | | 142.98 | 15.53 | 491.92 | 100.24 | | | | |
| Power Boat Purchase | | 1,553.87 | 551.21 | 7,424.77 | 908.60 | | | | |
| Non-Power Boat Purchase | | 4.21 | 3.44 | 120.56 | 73.05 | | | | |
| Electronics | | 25.39 | 6.35 | 274.23 | 97.61 | | | | |
| Fishing Vehicle | | 539.69 | 214.84 | 5,690.87 | 1,558.58 | | | | |
| Vacation Home | | | | 2.91 | * | | | | |
| Total | | 2,266.14 | 591.85 | 14,005.26 | 1,810.98 | | | 1 | |

^{*} indicates standard error based on < 10 observations. If the cell is missing (.) and has an asterisk, only one observation was available.

** average expenditure across the previous 2 month wave of data collection.



Mississippi

Table~17.~Mississippi~Total~Expenditures~by~Resident~Status,~1999~and~2000~(in~thousands~of~dollars).

| MISSISSI | PPI | Total | Upper Bound | Lower Bound | Total | Upper Bound | Lower Bound |
|--------------------------|----------------|--------------|--------------|-------------|--------|---------------|-------------|
| Trip Expenditures | Mode | | Residents | | | Non-Residents | |
| Private Transportation | Charter | 131 | 181 | 80 | 86 | 139 | 32 |
| | Private/Rental | 365 | 474 | 256 | 237 | 314 | 159 |
| | Shore | 578 | 792 | 364 | 225 | 341 | 109 |
| Food | Charter | 317 | 472 | 163 | 388 | 638 | 138 |
| | Private/Rental | 5,297 | 6,459 | 4,135 | 563 | 811 | 314 |
| | Shore | 2,000 | 2,684 | 1,316 | 659 | 1,058 | 259 |
| Lodging | Charter | 179 | 411 | 0 | 575 | 971 | 178 |
| | Private/Rental | 0 | 0 | 0 | 882 | 1,690 | 75 |
| | Shore | 0 | 0 | 0 | 855 | 1,996 | 0 |
| Public Transportation | Charter | 0 | 0 | 0 | 71 | 145 | 0 |
| • | Private/Rental | 0 | 0 | 0 | 0 | 0 | 0 |
| | Shore | 0 | 0 | 0 | 0 | 0 | 0 |
| Boat Fuel | Private/Rental | 6,236 | 7,610 | 4,862 | 460 | 679 | 242 |
| Charter Fees | Charter | 1,439 | 2,028 | 849 | 1,645 | 2,697 | 593 |
| Access/Boat Launching | Charter | 0 | _,,0 | 0 | 0 | | 0 |
| , 100000, 20at 2aa.10g | Private/Rental | 133 | 275 | 0 | 59 | 92 | 27 |
| | Shore | 30 | 69 | 0 | 14 | | 0 |
| Equipment Rental | Charter | 0 | 0 | 0 | 2 | | 0 |
| =qa.po | Private/Rental | 0 | 0 | 0 | 0 | | 0 |
| | Shore | 9 | 26 | 0 | 0 | | 0 |
| Bait | Charter | 0 | 0 | 0 | 17 | | 0 |
| Dail | Private/Rental | 2,279 | 2,886 | 1,673 | 139 | | 61 |
| | Shore | 1.195 | 1.642 | 748 | 135 | | 41 |
| Ice | Charter | 1,195 | 1,042 | 0 | 11 | 20 | 2 |
| ice | Private/Rental | 961 | 1,231 | 690 | 54 | | 24 |
| | Shore | | , | 150 | 40 | | 24 |
| Takal | Charter | 253 2,067 | 356 2,721 | 1,413 | 2,794 | | 1,639 |
| Total | | , | , | | , | , | , |
| | Private/Rental | 15,271 | 17,197 | 13,344 | 2,395 | , | 1,514 |
| Facilities and Brookly 5 | Shore | 4,064 | 4,916 | 3,213 | 1,928 | , | 709 |
| Equipment and Durable E | Expenditures | 17.004 | Residents | 44.000 | | Non-Residents | 0.400 |
| Rods and Reels | | 17,804 | 21,515 | 14,093 | 1,856 | , | 2,490 |
| Other Tackle | | 11,243 | 14,426 | 8,059 | 1,106 | 1,475 | 736 |
| Camping Equipment | | 1,718 | 2,192 | 1,244 | | | |
| Binoculars | | 759 | 1,055 | 463 | | | |
| Clothing | | 1,725 | 2,215 | 1,235 | | | |
| Processing/Taxidermy | | 1,317 | 2,071 | 563 | | | |
| Magazines | | 757 | 920 | 593 | | | |
| Club Dues | | 1,098 | 1,495 | 701 | | | |
| License Fees | | 3,008 | 3,541 | 2,474 | | | |
| Miscellaneous | | 1,387 | 1,860 | 914 | | | |
| Boat Expenses | | 14,548 | 18,833 | 10,262 | | | |
| Power Boat Purchase | | 158,103 | 272,124 | 44,082 | | | |
| Non-Power Boat Purchase | | 428 | 1,116 | 0 | | | |
| Electronics | | 2,584 | 3,949 | 1,218 | | | |
| Fishing Vehicle | | 54,913 | 98,982 | 10,844 | | | |
| Vacation Home | | 0 | 0 | 0 | | | |
| All Sub-Totals | | 292,793 | 415,244 | 170,342 | 10,079 | 12,112 | 8,045 |
| State Total | | 302,872 | 425,339 | 180,404 | | | |

Table 18. North Carolina Average Expenditures by Mode and Resident Status, 1999 and 2000.

| NORTH CARC | LINA | | Res | idents | | | Non-Re | sidents | |
|-------------------------|---------------------------|--------|-------------------|-----------|-------------------|----------------|-------------------|---------|-------------------|
| Trip Expenditures | Mode | All | (\$) | Spend | ers (\$) | All | (\$) | Spend | ers (\$) |
| | | Mean | Standard Error | Mean | Standard Error | Mean | Standard Error | Mean | Standard Error |
| | OI 1 | 40.04 | | 10.01 | | 0.70 | | 0.70 | |
| Private Transportation | Charter | 10.21 | 0.46 | 10.21 | 0.46 | 8.78 | 0.71 | 8.78 | 0.71 |
| | Private/Rental | 10.17 | 0.46 | 10.17 | 0.46 | 14.12 | 1.81 | 14.12 | 1.81 |
| | Shore | 13.39 | 0.69 | 13.39 | 0.69 | 10.77 | 0.85 | 10.77 | 0.85 |
| Food | Charter | 17.08 | 4.00 | 20.78 | 4.65 | 13.82 | 2.54 | 13.82 | 2.54 |
| | Private/Rental | 16.97 | 1.05 | 18.69 | 1.10 | 28.68 | 5.80 | 28.68 | 5.80 |
| Ladalas | Shore | 14.27 | 1.27 | 17.41 | 1.41 | 29.81 | 8.60 | 29.81 | 8.60 |
| Lodging | Charter | 38.93 | 14.94 | 60.56 | 21.78 | 16.90 | 4.61 | 16.90 | 4.61 * |
| | Private/Rental | 19.12 | 4.01 | 45.08 | 6.92 | 28.10 | 14.38 | 28.10 | 14.38 |
| Dublic Transportation | Shore | 28.15 | 4.85 | 42.97 | 6.17 | 26.80 | 17.60 | 26.80 | 17.60 |
| Public Transportation | Charter Private/Rental | | • | - | • | - | • | | • |
| | Shore | 1.13 | 1.13 | 74.27 | | | • | • | • |
| Boat Fuel | Private/Rental | 17.62 | 1.13 | 19.49 | 1.05 | 10.00 | 0.54 | 14.08 | 3.76 |
| Charter Fees | Charter | 133.76 | 1.27 15.87 | 173.11 | 1.35 14.77 | 13.00 70.59 | 3.54 12.48 | 88.24 | 13.34 |
| | Charter | 133.76 | 15.67 | 1/3.11 | 14.77 | 70.59 | 12.40 | 00.24 | 13.34 |
| Access/Boat Launching | Private/Rental | 1.33 | 0.16 | 4.27 | 0.35 | 2.33 | 1.51 | • | • |
| | Shore | 1.07 | 0.10 | 5.29 | 0.82 | 0.53 | 0.31 | • | • |
| Cavinment Dental | Charter | 1.07 | 0.23 | 5.29 | 0.82 | 0.53 | 0.31 | 9.71 | 5.59 |
| Equipment Rental | | | 0.00 | 0.01 | | 0.11 | 0.07 | - | |
| | Private/Rental | 0.09 | 0.06 | 8.31 | 3.30 * | 0.03 | 0.02 | 1.49 | 0.74 |
| Deit | Shore | 0.35 | 0.25 | 20.82 | 10.67 | 0.03 | 0.03 | 1.89 | - |
| Bait | Charter Private/Rental | 4.00 | 0.43 | 8.04 | 0.71 | 0.11 4.44 | 0.07 | 0.40 | |
| | | 4.08 | | | 0.71 | | 1.16 | 0.40 | |
| la- | Shore | 4.15 | 0.33 | 5.30 | 0.36 | 5.99 | 2.36 | 1.89 | |
| Ice | Charter | 1.67 | 0.84 | 8.37 | 3.59 | 0.42 | 0.19 | 8.25 | 1.55 |
| | Private/Rental | 1.91 | 0.15 | 2.99 | 0.19 | 1.47 | 0.35 | 6.99 | 2.66 |
| Tatal | Shore | 1.11 | 0.19 | 2.00 | 0.32 | 1.61 | 0.62 | 2.49 | 0.71 |
| Total | Charter | 201.66 | 22.18 | 273.02 | 26.97 | 110.71 | 13.57 | 145.69 | 15.49 |
| | Private/Rental | 71.28 | 4.39 | 117.04 | 7.92 | 92.15 | 16.12 | 93.86 | 16.29 |
| P | Shore | 63.61 | 5.20 | 181.45 | 12.46 | 75.53 | 19.76 | 73.65 | 19.62 |
| ave Expenditures** | | All | | Spend | | All | | Spend | |
| Rods and Reels | | 88.74 | 16.25 | 157.54 | 23.59 | 38.22 | 15.78 | 54.92 | 20.55 |
| Other Tackle | | 34.78 | 4.95 | 55.60 | 6.10 | 14.81 | 4.70 | 24.99 | 7.33 |
| Camping Equipment | | 9.58 | 3.69 | 126.06 | 32.17 | | | | |
| Binoculars | | 3.12 | 1.07 | 64.02 | 14.75 | | | | |
| Clothing | | 10.47 | 2.92 | 82.11 | 15.66 | | | | |
| Processing/Taxidermy | | 0.13 | 0.08 | 17.16 | 11.80 | | | | |
| Magazines | | 5.95 | 0.81 | 21.26 | 1.61 | | | | |
| Club Dues | | 7.57 | 1.89 | 48.70 | 9.42 | | | | |
| License Fees | | 10.22 | 1.42 | 25.74 | 3.13 | | | | |
| Miscellaneous | | 3.69 | 1.21 | 60.75 | 12.41 | | | | |
| Total | | 174.25 | 17.88 | 658.94 | 49.85 | 53.03 | 16.46 | 79.91 | 21.82 |
| nnual Expenditures | | All | (\$) | Spend | ers (\$) | | | | |
| Boat Expenses | | 22.77 | 6.26 | 733.32 | 162.37 | | | | |
| Power Boat Purchase | | 882.32 | 569.27 | 6,667.98 | 3,831.59 | | | | |
| Non-Power Boat Purchase | | 3.65 | 2.24 | 423.24 | 74.38 | | | | |
| Electronics | | 10.78 | 3.82 | 212.15 | 37.02 | | | | |
| Fishing Vehicle | | 41.00 | 23.19 | 6,000.39 | 4,026.86 | | | | |
| Vacation Home | | 1.44 | 1.04 | 734.87 | 530.77 | | | | |
| Total | | 961.95 | 569.80 | 14,771.95 | 5,586.74 | | | | |

^{*} indicates standard error based on < 10 observations. If the cell is missing (.) and has an asterisk, only one observation was available.

** average expenditure across the previous 2 month wave of data collection.

North Carolina



Table 19. North Carolina Total Expenditures by Resident Status, 1999 and 2000 (in thousands of dollars).

| NORTH CAR | OLINA | Total | Upper Bound | Lower Bound | Total | Upper Bound | Lower Bound |
|-------------------------|----------------|-----------|-------------|-------------|---------|---------------|-------------|
| Trip Expenditures | Mode | | Residents | | | Non-Residents | |
| Private Transportation | Charter | 477 | 549 | 406 | 1,425 | 1,753 | 1,096 |
| | Private/Rental | 12,834 | 14,622 | 11,045 | 8,227 | 10,609 | 5,846 |
| | Shore | 14,909 | 17,042 | 12,775 | 15,423 | 18,686 | 12,160 |
| Food | Charter | 799 | 1,177 | 421 | 2,243 | 3,131 | 1,355 |
| | Private/Rental | 21,418 | 24,882 | 17,954 | 16,711 | 23,753 | 9,670 |
| | Shore | 15,891 | 19,089 | 12,692 | 42,694 | 67,567 | 17,820 |
| Lodging | Charter | 1,821 | 3,205 | 437 | 2,743 | 4,274 | 1,211 |
| | Private/Rental | 24,144 | 34,385 | 13,904 | 16,372 | 32,916 | 0 |
| | Shore | 31,355 | 42,392 | 20,318 | 38,394 | 87,987 | 0 |
| Public Transportation | Charter | 0 | 0 | 0 | 0 | 0 | 0 |
| | Private/Rental | 0 | 0 | 0 | 0 | 0 | 0 |
| | Shore | 1,253 | 3,710 | 0 | 0 | 0 | 0 |
| Boat Fuel | Private/Rental | 22,248 | 26,197 | 18,299 | 7,575 | 11,757 | 3,392 |
| Charter Fees | Charter | 6,256 | 7,890 | 4,622 | 11,459 | 15,860 | 7,058 |
| Access/Boat Launching | Charter | 0 | 0 | 0 | 0 | 0 | 0 |
| · · | Private/Rental | 1,680 | 2,116 | 1,244 | 1,357 | 3,088 | 0 |
| | Shore | 1,193 | 1,710 | 675 | 762 | 1,649 | 0 |
| Equipment Rental | Charter | 0 | 0 | 0 | 17 | 40 | 0 |
| • • | Private/Rental | 113 | 259 | 0 | 0 | 0 | 0 |
| | Shore | 393 | 942 | 0 | 38 | 113 | 0 |
| Bait | Charter | 0 | 0 | 0 | 17 | 40 | 0 |
| | Private/Rental | 5,148 | 6,351 | 3,944 | 2,590 | 3,964 | 1,216 |
| | Shore | 4,619 | 5,469 | 3,768 | 8,576 | 15,314 | 1,839 |
| Ice | Charter | 78 | 155 | 0 | 67 | 129 | 0 |
| | Private/Rental | 2,407 | 2,858 | 1,956 | 857 | 1,272 | 442 |
| | Shore | 1,240 | 1,684 | 797 | 2,300 | 4,066 | 534 |
| Total | Charter | 9,431 | 11,608 | 7,254 | 17,971 | 22,727 | 13,216 |
| . 514. | Private/Rental | 89,991 | 101,719 | 78,264 | 53,689 | 72,438 | 34,941 |
| | Shore | 70,852 | 82,857 | 58,848 | 108,187 | 164,207 | 52,168 |
| Equipment and Durable E | | -, | Residents | ,- | | Non-Residents | |
| Rods and Reels | • | 92,877 | 111,128 | 74,626 | 39,548 | 25,461 | 53,636 |
| Other Tackle | | 42,077 | 48,473 | 35,682 | 17,690 | 22,861 | 12,519 |
| Camping Equipment | | 6,173 | 8,244 | 4,103 | , | , | ,- |
| Binoculars | | 3,882 | 5,828 | 1,937 | | | |
| Clothing | | 5,984 | 7,324 | 4,643 | | | |
| Processing/Taxidermy | | 4,534 | 6,249 | 2,819 | | | |
| Magazines | | 3,533 | 4,155 | 2,910 | | | |
| Club Dues | | 2,923 | 3,689 | 2,157 | | | |
| License Fees | | 4,782 | 5,828 | 3,735 | | | |
| Miscellaneous | | 6,104 | 9,162 | 3,045 | | | |
| Boat Expenses | | 99,937 | 138,597 | 61,277 | | | |
| Power Boat Purchase | | 451,170 | 677,109 | 225,230 | | | |
| Non-Power Boat Purchase | | 1,151 | 2,070 | 232 | | | |
| Electronics | | 11,031 | 17,154 | 4,907 | | | |
| Fishing Vehicle | | 343,048 | 597,187 | 88,909 | | | |
| Vacation Home | | 76,974 | 176,466 | 00,505 | | | |
| All Sub-Totals | | 1,326,454 | 1,683,877 | 969,031 | 237,087 | 298,222 | 175,952 |
| | | .,525,101 | .,000,077 | 233,001 | 20.,007 | | , |
| State Total | | 1,563,541 | 1,926,155 | 1,200,927 | | | |
| | | ,,- | ,, | , , | | | |

Table 20. South Carolina Average Expenditures by Mode and Resident Status, 1999 and 2000.

| SOUTH CARO | LINA | | Res | idents | | | Non-Residents All (\$) Spenders (\$) | | | |
|-------------------------|----------------|----------|-------------------|-----------|-------------------|--------|---------------------------------------|--------|-------------------|--|
| ip Expenditures | Mode | All (| (\$) | Spende | ers (\$) | All | (\$) | Spend | ers (\$) | |
| | | Mean | Standard Error | Mean | Standard Error | Mean | Standard Error | Mean | Standard Error | |
| Private Transportation | Charter | 12.43 | 1.37 | 12.43 | 1.37 | 14.03 | 1.28 | 14.03 | 1.28 | |
| Tivate Transportation | Private/Rental | 3.63 | 0.33 | 3.63 | 0.33 | 12.95 | 2.68 | 12.95 | 2.68 | |
| | Shore | 8.58 | 1.00 | 8.58 | 1.00 | 22.60 | 6.87 | 22.60 | 6.87 | |
| Food | Charter | 11.94 | 2.19 | 13.14 | 2.24 | 9.30 | 3.50 | 9.30 | 3.50 | |
| 1000 | Private/Rental | 13.32 | 1.14 | 15.14 | 1.23 | 9.90 | 3.13 | 9.90 | 3.13 | |
| | Shore | | | | | | | | | |
| Ladaina | | 9.16 | 1.30 | 11.50 | 1.45 | 38.97 | 28.10 9.98 | 38.97 | 28.10 | |
| Lodging | Charter | | | | | 39.76 | | 39.76 | 9.98 | |
| | Private/Rental | 1.56 | 0.86 | 5.21 | 1.31 | 9.92 | 9.92 | 9.92 | 9.92 | |
| | Shore | 27.61 | 14.61 | 41.41 | 8.28 | 37.26 | 28.63 | 37.26 | 28.63 | |
| Public Transportation | Charter | | • | | • | 47.16 | 17.59 | 188.64 | 40.86 | |
| | Private/Rental | - | • | | | - | | - | - | |
| | Shore | - | | - | | | - | | | |
| Boat Fuel | Private/Rental | 10.81 | 0.94 | 11.72 | 0.98 | 15.08 | 6.69 | 15.08 | 6.69 | |
| Charter Fees | Charter | 114.26 | 25.33 | 195.88 | 26.77 | 109.97 | 23.30 | 158.84 | 26.40 | |
| Access/Boat Launching | Charter | | | | | 0.27 | 0.19 | 4.04 | 0.00 | |
| | Private/Rental | 0.30 | 0.10 | 4.70 | 0.66 | 10.42 | 9.96 | 36.48 | 33.67 | |
| | Shore | 4.04 | 1.56 | 13.48 | 4.53 | | | | | |
| Equipment Rental | Charter | _ | _ | _ | | | _ | | _ | |
| _q.,p.,, | Private/Rental | 1.16 | 1.16 | 198.78 | * | - | • | | - | |
| | Shore | | | 100.70 | • | 0.01 | 0.01 | 0.02 | • | |
| Bait | Charter | 0.43 | 0.30 | 5.16 | . * | 0.01 | 0.01 | 0.02 | | |
| Dan | Private/Rental | 3.84 | 0.65 | 9.63 | 1.37 | 3.53 | 3.38 | 12.37 | 11.43 | |
| | | | | | | | | | | |
| la- | Shore | 3.99 | 0.89 | 6.36 | 1.27 | 4.37 | 3.68 | 4.37 | 3.68 | |
| Ice | Charter | 0.65 | 0.30 | 2.61 | 0.78 | 0.49 | 0.23 | 2.47 | 0.78 | |
| | Private/Rental | 1.29 | 0.15 | 2.50 | 0.21 | 5.27 | 3.33 | 9.23 | 5.16 | |
| | Shore | 0.73 | 0.19 | 1.92 | 0.40 | 1.06 | 0.68 | 1.06 | 0.68 | |
| Total | Charter | 139.72 | 25.47 | 229.21 | 26.91 | 220.97 | 31.08 | 417.08 | 49.80 | |
| | Private/Rental | 35.91 | 2.20 | 251.49 | 2.58 | 67.07 | 16.79 | 105.92 | 38.09 | |
| | Shore | 54.12 | 14.81 | 83.25 | 9.70 | 104.27 | 40.87 | 104.28 | 40.87 | |
| ave Expenditures** | | All (| (\$) | Spende | ers (\$) | All | (\$) | Spend | ers (\$) | |
| Rods and Reels | | 83.98 | 15.54 | 151.28 | 24.93 | 34.61 | 11.70 | 65.99 | 23.19 | |
| Other Tackle | | 44.28 | 10.43 | 44.28 | 10.43 | 20.12 | 8.90 | 20.12 | 8.90 | |
| Camping Equipment | | 4.34 | 2.15 | 72.36 | 18.03 | | | | | |
| Binoculars | | 3.49 | 1.76 | 76.06 | 23.17 | | | | | |
| Clothing | | 8.42 | 4.15 | 114.01 | 34.35 | | | | | |
| Processing/Taxidermy | | | | l . | | | | | | |
| Magazines | | 3.31 | 0.89 | 17.57 | 3.37 | | | | | |
| Club Dues | | 5.01 | 1.70 | 53.19 | 8.41 | | | | | |
| License Fees | | 7.63 | 1.62 | 14.31 | 2.83 | | | | | |
| Miscellaneous | | 3.73 | 1.64 | 47.36 | 18.00 | | | | | |
| Total | | 164.19 | 19.61 | 590.42 | 56.45 | 54.73 | 14.70 | 86.11 | 24.84 | |
| inual Expenditures | | All (| | Spende | | 34.73 | 14.70 | 00.11 | 24.04 | |
| • | | | | | | | | | | |
| Boat Expenses | | 298.47 | 88.45 | 653.77 | 149.81 | | | | | |
| Power Boat Purchase | | 1,396.66 | 265.15 | 3,984.59 | 197.68 | | | | | |
| Non-Power Boat Purchase | | 9.23 | 8.22 | 775.69 | 689.36 | | | | | |
| Electronics | | 75.12 | 31.61 | 622.53 | 116.21 | | | | | |
| Fishing Vehicle | | 464.89 | 204.82 | 7,396.89 | 1,497.86 | | | | | |
| Vacation Home | | 4.11 | 2.96 | 364.48 | 363.11 | | | | | |
| Total | | 2.248.49 | 348.07 | 13,797.96 | 1,710.46 | l | | l | | |

^{*} indicates standard error based on < 10 observations. If the cell is missing (.) and has an asterisk, only one observation was available.

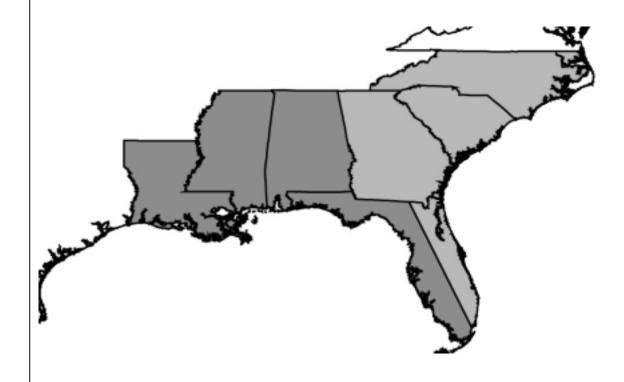
** average expenditure across the previous 2 month wave of data collection.



South Carolina

Table 21. South Carolina Total Expenditures by Resident Status, 1999 and 2000 (in thousands of dollars).

| SOUTH CAROLINA | | Total | Upper Bound | Lower Bound | Total | Upper Bound | Lower Bound |
|--------------------------------|----------------|-------------|-------------|-------------|---------------------------------------|---------------------------------------|-------------|
| Trip Expenditures | Mode | | Residents | | | Non-Residents | |
| Private Transportation | Charter | 198 | 261 | 136 | 583 | 776 | 390 |
| | Private/Rental | 1,882 | 2,343 | 1,422 | 780 | 1,151 | 409 |
| | Shore | 2,909 | 3,787 | 2,030 | 5,244 | 8,670 | 1,817 |
| Food | Charter | 191 | 272 | 109 | 386 | 688 | 84 |
| | Private/Rental | 6,902 | 8,527 | 5,276 | 596 | 992 | 200 |
| | Shore | 3,104 | 4,165 | 2,044 | 9,042 | 21,942 | 0 |
| Lodging | Charter | 0 | 0 | 0 | 1,652 | 2,580 | 724 |
| | Private/Rental | 810 | 1,695 | 0 | 597 | 1,768 | 0 |
| | Shore | 9,357 | 19,191 | 0 | 8,644 | 21,754 | 0 |
| Public Transportation | Charter | 0 | 0 | 0 | 1,960 | 3,480 | 439 |
| | Private/Rental | 0 | 0 | 0 | 0 | 0 | 0 |
| | Shore | 0 | 0 | 0 | 0 | 0 | 0 |
| Boat Fuel | Private/Rental | 5,601 | 6,929 | 4,272 | 908 | 1,725 | 92 |
| Charter Fees | Charter | 1,824 | 2,718 | 930 | 4,570 | 6,842 | 2,298 |
| Access/Boat Launching | Charter | 0 | 0 | 0 | 11 | 27 | 0 |
| | Private/Rental | 156 | 257 | 55 | 628 | 1,804 | 0 |
| | Shore | 1,371 | 2,436 | 306 | 0 | 0 | 0 |
| Equipment Rental | Charter | 0 | 0 | 0 | 0 | 0 | 0 |
| | Private/Rental | 599 | 1,773 | 0 | 0 | 0 | 0 |
| | Shore | 0 | 0 | 0 | 1 | 4 | 0 |
| Bait | Charter | 7 | 16 | 0 | 0 | 0 | 0 |
| | Private/Rental | 1,991 | 2,731 | 1,250 | 213 | 612 | 0 |
| | Shore | 1,352 | 1,999 | 706 | 1,014 | 2,695 | 0 |
| Ice | Charter | 10 | 20 | 1 | 21 | 40 | 1 |
| | Private/Rental | 667 | 850 | 483 | 318 | 716 | 0 |
| | Shore | 249 | 387 | 111 | 246 | 561 | 0 |
| Total | Charter | 2,231 | 3,131 | 1,331 | 9,183 | 12,092 | 6,274 |
| | Private/Rental | 18,607 | 21,322 | 16,111 | 4,039 | 6,048 | 2,676 |
| | Shore | 18,343 | 28,351 | 8,802 | 24,191 | 42,978 | 11,179 |
| Equipment and Durable E | xpenditures | | Residents | | | Non-Residents | |
| Rods and Reels | - | 31,022 | 37,595 | 24,449 | 9,175 | 12,736 | 5,615 |
| Other Tackle | | 16,358 | 20,446 | 12,270 | 5,335 | 7,878 | 2,791 |
| Camping Equipment | | 1,603 | 2,354 | 852 | | | |
| Binoculars | | 1,289 | 1,904 | 673 | | | |
| Clothing | | 3,110 | 4,560 | 1,660 | | | |
| Processing/Taxidermy | | 0 | 0 | 0 | | | |
| Magazines | | 1,224 | 1,563 | 886 | | | |
| Club Dues | | 1,850 | 2,468 | 1,231 | | | |
| License Fees | | 2,818 | 3,471 | 2,165 | | | |
| Miscellaneous | | 1,379 | 1,958 | 800 | | | |
| Boat Expenses | | 57,578 | 92,488 | 22,668 | | | |
| Power Boat Purchase | | 269,433 | 380,646 | 158,219 | | | |
| Non-Power Boat Purchase | | 1,781 | 4,894 | 0 | | | |
| Electronics | | 14,492 | 26,681 | 2,304 | | | |
| Fishing Vehicle | | 89,683 | 168,501 | 10,865 | | | |
| Vacation Home | | 794 | 1,917 | 0 | | | |
| All Sub-Totals | | 533,594 | 675,480 | 391,733 | 51,923 | 71,534 | 37,825 |
| State Total | | 585,517 | 728,752 | 442,957 | | | |
| - | | | | | · · · · · · · · · · · · · · · · · · · | · · · · · · · · · · · · · · · · · · · | |



Southeast Totals

Table 22. Total Southeast Region Expenditures by Resident Status, 1999 and 2000 (millions of dollars).

| SOUTHEAST REGION | Total | Upper Bound | Lower Bound | Total | Upper Bound | Lower Bound |
|------------------------------------|-----------|-------------|-------------|---------------|-------------|-------------|
| Trip Expenditures | | Residents | - | Non-Residents | | |
| Private Transportation | 103.63 | 108.32 | 98.94 | 63.08 | 70.21 | 55.95 |
| Food | 297.23 | 310.68 | 283.78 | 140.67 | 170.91 | 111.86 |
| Lodging | 415.43 | 545.59 | 301.51 | 188.89 | 255.76 | 130.78 |
| Public Transportation | 19.13 | 33.84 | 9.97 | 97.58 | 174.15 | 42.17 |
| Boat Fuel | 203.09 | 214.00 | 192.01 | 27.34 | 32.51 | 22.03 |
| Party/Charter Fee | 35.89 | 41.03 | 30.70 | 81.38 | 104.57 | 58.17 |
| Access/Boat Launching | 26.56 | 29.41 | 23.72 | 7.17 | 9.86 | 4.97 |
| Equipment Rental | 5.20 | 7.59 | 3.27 | 0.96 | 1.99 | 0.06 |
| Bait | 106.86 | 112.34 | 101.38 | 27.70 | 35.19 | 20.34 |
| Ice | 32.74 | 34.71 | 30.78 | 8.78 | 10.94 | 6.63 |
| Trip Sub-Totals | 1,245.76 | 1,378.25 | 1,129.74 | 643.54 | 752.79 | 554.33 |
| Equipment and Durable Expenditures | | | | | | |
| Rods and Reels | 664.31 | 696.67 | 631.95 | 145.39 | 166.02 | 124.75 |
| Other Tackle | 292.74 | 305.82 | 279.67 | 88.54 | 102.81 | 74.27 |
| Camping Equipment | 47.19 | 52.13 | 42.25 | | | |
| Binnoculars | 34.00 | 37.60 | 30.40 | | | |
| Clothing | 59.31 | 63.98 | 54.63 | | | |
| Processing/Taxidermy | 17.56 | 20.55 | 14.57 | | | |
| Magazines | 34.44 | 36.17 | 32.72 | | | |
| Club Dues | 36.01 | 38.93 | 33.08 | | | |
| License Fees | 73.68 | 77.04 | 70.32 | | | |
| Miscellaneous | 64.63 | 70.89 | 58.36 | | | |
| Boat Expenses | 893.39 | 997.66 | 789.12 | | | |
| Power Boat Purchase | 5,247.15 | 6,511.12 | 3,983.17 | | | |
| Non-Power Boat Purchase | 54.43 | 81.27 | 27.59 | | | |
| Electronics | 161.24 | 208.14 | 114.34 | | | |
| Fishing Vechicle | 2,289.18 | 2,942.10 | 1,636.26 | | | |
| Vacation Home | 412.93 | 736.12 | 89.75 | | | |
| Equipment and Durable Sub-Totals | 10,382.18 | 11,846.26 | 8,918.10 | 233.92 | 259.01 | 208.84 |
| All Sub-Totals | 11,627.94 | 13,098.01 | 10,159.28 | 877.46 | 989.55 | 784.79 |
| Southeast Region Total | 12,505.41 | 13,975.68 | 11,033.82 | | | |

otal annual expenditures by resident anglers in SE coastal states in 1999/2000 were substantially larger than those of nonresidents. In part, this was because resident participants outnumbered nonresidents and took more trips than nonresidents. In most states, anglers fishing from private or rental boats spent considerably more than those who fished from shore or from a charter boat. Across the entire SE, the highest trip expenditures were for lodging, food, and boat fuel respectively, while the largest durable purchases were for powerboats and fishing vehicles respectively (Table 22). Taken as a whole, the expenditure estimates provide an indication of the importance of marine recreational fishing to the economies of the coastal states in the SE.

At first glance, the state-level estimates of total marine recreational expenditures appear large. About 85% of the total expenditure was for fishing equipment and durable items, items that may last for many years. The costs of two durable items, power boats/accessories and fishing vehicles/trailers, comprised just over 60% of total angler expenditures in 1999/2000. Although anglers were asked to indicate the total costs of durable purchases made during the past 12 months, their actual outlay in 1999/ 2000 may have been lower if purchases were financed. Because the main objective of this report was to estimate the total sales generated by anglers' expenditures, no attempt was made to identify this type of transaction. All state-level expenditures estimated

in this study are 2 to 6 times greater than those estimated from the U.S. Fish and Wildlife Service's 1996 National Survey of Fishing, Hunting, and Wildlife-Associated Recreation (USFWS 1996).8 State-level participation estimates derived from the USFWS' survey are about 1 to 2 times lower than MRFSS participation estimates for 1996. As well, the USFWS' estimates of durable purchases are substantially lower than those estimated in this paper. Differences in sampling procedures may also have contributed to some of these disparities. The base MRFSS survey is specifically designed to provide statistically reliable estimates of saltwater angling effort, participation, and finfish catch. In contrast, the USFWS' survey is designed to provide information on fishing, hunting, and wildlife-watching activities. Saltwater fishing comprises a small portion of these recreationrelated activities in most states. Thus, the coverage and sample sizes for saltwater fishing in the USFWS' survey are considerably smaller than in the MRFSS.

Purchases of motor boats/motor boat accessories was the largest expense category in each SE state. In fact, the estimate generated for the SE region (\$5.2 billion; Table 22) was greater than the National Marine Manufactures Association (NMMA) estimate of total retail sales of new and used recreational boats across all of the SE coastal states in 1997 (\$3.2 billion; NMMA 1998). The NMMA estimates, however, do not include personal sales of pre-owned

boats. Although the intention was to exclude this type of purchase from the 1999/2000 expenditure survey by only asking about "new" motor boat purchases and accessories, the distinction was not stressed and respondents may have interpreted "new" to mean any new expenditure in 1999/2000. According to data obtained from USDL (1998) 53% of boat purchases in 1998 occurred through personal sales. Thus, the difference between our estimate and the NMMA estimate may be due to the inclusion of personal sales.

Results of the 1999/2000 expenditure survey need to be considered in light of a number of data limitations and assumptions. First, even with 15,510 complete responses, sample sizes were insufficient to calculate statistically reliable mean expenditures across some categories in some states. In addition, because only a small portion of the survey respondents actually reported an expense for all of the expenditure items, estimates of purchases by 'spenders' were also constrained by sample size. Second, non-resident expenditure estimates are conservative as they include only trip and equipment-related expenses, but not semidurable and durable items. However, this bias may be small because many durable items are likely to be purchased in an angler's state of residence and not in a coastal SE state. Third, estimates of party boat passenger expenses are not included in this report (see endnote 1). Lastly, although adjustments were made for avidity bias, no corrections were made for non-response bias.

Anglers with considerable expenses may have been more willing to complete a lengthy telephone



follow-up survey than those that spent very little, although no significant differences were detected in avidity between non-respondents and those that completed the follow-up survey.

Future Research

Expenditure estimates in this report will be used in the future to construct regional economic impact models. These models will be used to track the economic activity (i.e., sales, income, employment, and taxes) generated directly and indirectly from anglers' expenditures in the SE. Ultimately, the models will provide the capability to recognize and assess relative impacts of recreational fishing management actions on communities and businesses. In other words, the models will delineate inter-sectoral linkages between marine recreation-related businesses within each state thereby allowing quantification of the distributional impacts arising from changes in fishing activity, incomes, business practices, and/or other factors outside the control of fisheries management. An assessment of these impacts is required under the National Environmental Policy Act (NEPA), Executive Order 12866, and National Standard 8 of the Magnuson-Stevens Fisheries Conservation and Management Act.

In order to quantify angler expenditures nationwide, the three-part expenditure survey was also administered in the Northeast Region (Maine through Virginia) in 1998 and the Pacific Region (California, Oregon, and Washington) in 2000/2001. While the survey instruments varied regionally, the same set of core data elements was collected in all regions. The Northeast region's analysis, equivalent to this report, has been completed (Steinback and Gentner, 2001). An expenditure analysis of the Pacific region's data, will follow in the fall of 2001. Finally, impacts analysis should be completed for all three regions by mid-year 2002.

Endnotes

- 1. In the Southeast Region, unlike other NMFS regions, the intercept collection of party boat catch and effort is conducted in a separate survey. We are unable to collect economic data using this survey and, as a result, expenditures for the party boat mode will not be estimated in this report.
- 2. To minimize recall bias, anglers were asked to indicate the amount spent during the previous 2-month MRFSS sampling wave. As such, the fishing equipment and semi-durable means presented in this paper represent average expenditures over a 2-month period.
- 3. The random digit dial survey is directed at households located in coastal counties. The majority of anglers living in coastal counties fish within their resident state, whereas the intercept survey captures both coastal state residents and non-residents. Thus, to make the avidity comparison more tenable 2-month avidity estimates provided by residents of coastal states were used in the comparison.
- 4. Typically, ANOVA calculates the T-test. The SAS procedure NPAR1WAY used here calculates the F-value, and, when using one class variable, this procedure is equivalent to one-way ANOVA.
- 5. Although \hat{R} is an unbiased estimator of R, equation 1 is not an unbiased

- estimator of \overline{R} because it is a ratio estimator (Thomson, 1991). However, as the sample size increases the bias becomes negligible.
- 6. The participation estimates contained in Table 4 are not additive across waves. A participant could have fished in more than one wave. Addition of the estimates across waves results in substantially greater numbers of annual participants than that shown in Table 4. At the state-level (see Table 4) resident participation estimates are additive but non-resident participants should not be added across states since they could have fished in more than one state.
- 7. Private transportation expenses were calculated for all respondents from the round trip miles traveled in the state where the fishing trip occurred. Thus, average expenditures are identical for the 'spenders' and the 'all' category.
- 8. The USFWS' 1996 expenditure estimates were adjusted to their 1999 equivalent, prior to making the comparison, by using the Bureau of Labor Statistics Consumer Price Index.

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Appendix 1: Intercept Add-on Survey Instrument

| 2. ASSIGNMENT NO. Please holdes of the lay your field or second seagroup motion flow, by withing 1" or 2". 3. INTERMEMENT ID | 1999 SOCIO-ECONOMIC ADD-ON SURVEY (SEAS) – Region III (Macro MS Wor | rd Version) OMB NO. 0648-0052 (EXP. 10/30/01) |
|---|---|--|
| 4. VRMODAY 1 9 9 9 | 2. ASSIGNMENT NO. 1 1 | INTERVIEW TIME |
| 4. VFSMOCDAY 9 9 9 9 1. In SEAR INTERVIEW STATUS 1 1. In this interview, inspondent must be all least 16 years of ago, 0.1 you are unable to determine respondent's ago, please ask: An you at least 16 years of ago, collection of the survey, inspondent must be all least 16 years of ago, collection of the years of ago, collection of years of yea | | |
| 5. INTERCEPT NO. 1 | 4) (D #40 (D 4) (| STATE CODE 8. COUNTY CODE 9. SITE CODE |
| 2 Partally Complete 4 Less than 16 Years 1 1 1 1 1 1 1 1 1 | | |
| in order to qualify for this survey, respondent must be at least 16 years of age. If you are unable to determine respondent age, please ask: Are you at least 16 years of age? If respondent is not at least 16 years of age? If respondent is not at least 16 years of age. 17 as 4 and terminate interview. 11. Is this fishing trip part of a longer trip in which you will spend at least one night away from your permanent residence, or is this a one-day fishing trip? 1 | 5. INTERCEPT NO. | |
| 11. Is this fishing trip part of a longer trip in which you will spend at an end-of fishing trip part of a longer trip in which you will spend at an end-of fishing trip. 1 | In order to qualify for this gureau respondent must be at least 10 years of one. If y | |
| least one night away from your permanent residence, or is this a one-dely fishing trip? 1 | | |
| 2. How many nights will you be away from your residence on this trip? Perlused 999 | least one night away from your permanent residence, or is this a one-day fishing trip? 1 One Day - Code q. 12, 13 8 Don't Know 8. 14 as 998 - Don't Know | licenses, food and ice for this trip? Please do not include charter/guide services and boat rental fees. |
| 12. How many nights will you be away from your residence on this trip? 19. Did you take time off from work without park in order to make this fishing trip? 1 | 2 Longer 9 Refused | -998 Don't Know/Not applicable |
| 19. Did you take time off from work without pay in order to make this fishing trip? 1 | 12. How many nights will you be away from your residence on this | -999 Refused |
| 1 Ves | trip? | |
| 999 Refused 2 No - Code q, 9 Setup Setup Refused 2 No - Code q, 9 Setup Se | - | <u> </u> |
| No. of Nights 988 | | Code q. 20 & 21 as 998 2 No - Code q. 9 Refused - |
| Solution | | 20. How many hours a week do you usually work? |
| 999 Refused 14. Did you make this trip primarily to go fishing? 1 Yes 8 Don't KnowNot applicable 2 No 9 Refused 21. Which of the following best describes your personal [NOT household] total annual income, before taxes? (Show income card.) 15. Refer to q. 17 on the MRFSS survey. If the answer is NO particular species we make a conting today, within the last 2 months, how many days have you fished for (primary species) from (specify mode) in this state? 16. Did you fish at, or launch from, this citylown (or general area) on all of those days? 17. How would you rank your saltwater fishing ability on a scale of 1 to 5 - 1 being a novice and 5 being an expert? 18. Don't KnowNot applicable 2 No 9 Refused 19. Don't KnowNot applicable 2 No 9 Refused 19. Don't KnowNot applicable 3 S124,800 – 193,999 10. Don't KnowNot applicable 999 Refused 21. Which of the following best describes your personal [NOT household] total annual income, before taxes? (Show income card.) 10. S0 - \$15,599 2 \$15,600 – 31,199 3 \$31,200 – 46,799 4 \$46,800 – 62,399 5 \$62,400 – 77,999 6 \$78,000 – 93,599 7 \$93,600 – 194,199 8 \$109,200 – 124,799 99 Don't KnowNot applicable 99 Refused 10. Did you fish at, or launch from, this citylrown (or general area) on all of those days? 1 Yes 8 Don't KnowNot applicable 2 No 9 Refused 22. Do you or does anyone living in your household, own a boat that is ever used for marine recreational fishing? 1 Yes 8 Don't KnowNot applicable 10. Did you fish at, or launch from, this citylrown (or general area) on all of those days? 1 Yes 8 Don't KnowNot applicable 17. How would you rank your saltwater fishing ability on a scale of 1 to 5 – 1 being a novice and 5 being an expert? 1 Yes 8 Don't KnowNot applicable 2 No 9 Refused 22. Do you or does anyone living in your household, own a boat that is ever used for marine recreational fishing? 1 Yes 8 Don't KnowNot applicable 2 No 9 Refused 3 No 1,000 - 124,799 99 Don't KnowNot applicable 2 | - | .00 Hrs per week |
| 14. Did you make this trip primarily to go fishing? 1 | | |
| 1. Yes 8 Don't Know/Not applicable 2 No 9 Refused 15. Refer to q. 17 on the MRFSS survey. If the answer is NO particular species then code q. 15a as "98"; otherwise: a. Counting today, within the last 2 months, how many days have you fished for (primary species) from (specify mode) in this state? One Day - Code q. 15b & 16 as "98" No. of Days (2-62) - Code q. 15b as "98" Petused b. Counting today, within the last 2 months, how many days have you fished from (specify mode) in this state? One Day - Code q. 15b as "98" Refused b. Counting today, within the last 2 months, how many days have you fished from (specify mode) in this state? One Day - Code q. 16 as "8" No. of Days (2-62) Refused 16. Did you fish at, or launch from, this city/town (or general area) on all of those days? No. of Days (2-62) Refused 17. How would you rank your saltwater fishing ability on a scale of 1 to 5 - 1 being a novice and 5 being an expert? 1 | | 999 Refused |
| 15. Refer to q. 17 on the MRFSS survey. If the answer is NO particular species then code q. 15a as "98"; otherwise: a. Counting today, within the last 2 months, how many days have you fished for intrinary species) from (specify mode) in this state? 01 | 1 Yes 8 Don't Know/Not applicable | household] total annual income, before taxes? (Show |
| a. Counting today, within the last 2 months, how many days have you fished for (primary species) from (specify mode) in this state? One Day - Code q. 15b & 16 as "98" No. of Days (2-62) - Code q. 15b as '98" Don't Know/Not applicable Refused 16. Did you fish at, or launch from, this city/town (or general area) on all of those days? No. of Days (2-62) Refused 17. How would you rank your saltwater fishing ability on a scale of 1 to 5 - 1 being a novice and 5 being an expert? 1 | | 1 \$0 - \$15,599 |
| a. Counting today, within the last 2 months, how many days have you fished for (primary species) from (specify mode) in this state? 01 | ricio, to di il cir ano anni co carroli. Il ano anono, ic ito | 2 \$15,600 – 31,199 |
| you fished for (primary species) from (specify mode) in this state? 01 | | 3 \$31,200 – 46,799 |
| No. of Days (2-62) — Code q. 15b as "96" Befused Don't Know/Not applicable Refused Refused Don't Know/Not applicable Refused Refused Don't Know/Not applicable Refused Refused Refused Don't Know/Not applicable Refused | you fished for (primary species) from (specify mode) in this | 4 \$46,800 – 62,399 |
| Don't Know/Not applicable Refused b. Counting today, within the last 2 months, how many days have you fished from (specify mode) in this state? One Day - Code q. 16 as "8" No. of Days (2-62) Bon't Know/Not applicable Refused 16. Did you fish at, or launch from, this city/town (or general area) on all of those days? Tyes 8 Don't Know/Not applicable Refused 17. How would you rank your saltwater fishing ability on a scale of 1 to 5 - 1 being a novice and 5 being an expert? How would you rank your saltwater fishing ability on a scale of 1 to 5 - 1 being a novice and 5 being an expert? Refused 18. Don't Know/Not applicable Refused 29. Do you, or does anyone living in your household, own a boat that is ever used for marine recreational fishing? Tyes 8 Don't Know/Not applicable Refused 21. I appreciate your time for this interview. Would you be willing to participate in a follow-up telephone survey? 1 Yes 8 Don't Know/Not applicable Refused 23. I appreciate your time for this interview. Would you be willing to participate in a follow-up telephone survey? 1 Yes 8 Don't Know/Not applicable Refused 24. No 9 Refused 25. No 9 Refused 26. Day on or does anyone living in your household, own a boat that is ever used for marine recreational fishing? 1 Yes 8 Don't Know/Not applicable Refused 27. No 9 Refused 28. Don't Know/Not applicable Refused 29. No 9 Refused 29. No 9 Refused 20. No 9 Refused 21. Angler Released Number in q. 24 - Thank and Terminate | 01 One Day – Code q. 15b & 16 as "98" | 5 \$62,400 – 77,999 |
| b. Counting today, within the last 2 months, how many days have you fished from (specify mode) in this state? One Day - Code q. 16 as "8" No. of Days (2-62) Befused 16. Did you fish at, or launch from, this city/town (or general area) on all of those days? No. 9 Refused 17. How would you rank your saltwater fishing ability on a scale of 1 to 5-1 being a novice and 5 being an expert? Refused 18. Don't Know/Not applicable Pon't Know/Not appli | No. of Days (2-62) – Code q. 15b as "98" | 6 \$78,000 – 93,599 |
| b. Counting today, within the last 2 months, how many days have you fished from (specify mode) in this state? One Day - Code q. 16 as "8" No. of Days (2-62) 98 | | 7 \$93.600 – 109.199 |
| b. Counting doday, within the last 2 informs, now many days have you fished from (specify mode) in this state? One Day - Code q. 16 as "8" No. of Days (2-62) 98 | 99 Refused | |
| One Day - Code q. 16 as "8" No. of Days (2-62) 98 | | |
| No. of Days (2-62) 98 | 01 One Day – Code q. 16 as "8" | 9 \$124,800 – 139,999 |
| 16. Did you fish at, or launch from, this city/town (or general area) on all of those days? 1 | No. of Days (2-62) | 10 >\$140,000 |
| 16. Did you fish at, or launch from, this city/town (or general area) on all of those days? 1 | 98 Don't Know/Not applicable | 998 Don't know/Not applicable |
| on all of those days? 1 | 99 Refused | 999 Refused |
| 1. How would you rank your saltwater fishing ability on a scale of 1 to 5 – 1 being a novice and 5 being an expert? 1. How would you rank your saltwater fishing ability on a scale of 1 to 5 – 1 being a novice and 5 being an expert? 2. No 9 Refused 2. No 9 Refused 2. No 9 Refused 2. Refused 2. No 9 Refused 3. I appreciate your time for this interview. Would you be willing to participate in a follow-up telephone survey? 1. Yes 8 Don't Know/Not applicable willing to participate in a follow-up telephone survey? 2. No 9 Refused 3. Refer to q. 24 on MRFSS Intercept form. If angler did not release name an/or telephone number during MRFSS portion of survey (q. 24), state: To participate, may I please have your name and a telephone number? Angler Released Number in q. 24 – Thank and Terminate | | |
| 17. How would you rank your saltwater fishing ability on a scale of 1 to 5 – 1 being a novice and 5 being an expert? 1 | 1 Yes 8 Don't Know/Not applicable | |
| 5 – 1 being á novice ánd 5 being an expert? 1 2 3 4 5 1 appreciate your time for this interview. Would you be willing to participate in a follow-up telephone survey? 1 Yes 8 Don't Know/Not applicable 8 Don't Know 9 Refused BOX A: Refer to q. 24 on MRFSS Intercept form. If angler did not release name an/or telephone number during MRFSS portion of survey (q. 24), state: To participate, may I please have your name and a telephone number? Angler Released Number in q. 24 – Thank and Terminate | 2 No 9 Refused | |
| 1 2 3 4 5 willing to participate in a follow-up telephone survey? 8 Don't Know 9 Refused BOX A: Refer to q. 24 on MRFSS Intercept form. If angler did not release name an/or telephone number during MRFSS portion of survey (q. 24), state: To participate, may I please have your name and a telephone number? Angler Released Number in q. 24 – Thank and Terminate | | |
| BOX A: Refer to q. 24 on MRFSS Intercept form. If angler did not release name an/or telephone number during MRFSS portion of survey (q. 24), state: To participate, may I please have your name and a telephone number? Angler Released Number in q. 24 – Thank and Terminate | | |
| 9 Refused BOX A: Refer to q. 24 on MRFSS Intercept form. If angler did not release name an/or telephone number during MRFSS portion of survey (q. 24), state: To participate, may I please have your name and a telephone number? Angler Released Number in q. 24 – Thank and Terminate | | 1 Yes 8 Don't Know/Not applicable |
| BOX A: Refer to q. 24 on MRFSS Intercept form. If angler did not release name an/or telephone number during MRFSS portion of survey (q. 24), state: To participate, may I please have your name and a telephone number? Angler Released Number in q. 24 – Thank and Terminate | | 2 No 9 Refused |
| To participate, may I please have your name and a telephone number? Angler Released Number in q. 24 – Thank and Terminate | | |
| To participate, may I please have your name and a telephone number? Angler Released Number in q. 24 – Thank and Terminate | | |
| | | |
| ANGLER'S NAME | To participate, may I please have your name and a telephone number? | Angler Released Number in q. 24 – Thank and Terminate |
| ANGLETTO NAME | ANGLER'S NAME | Day or Night Telephone Number |
| | | |

Appendix 2: Phone Follow-up Survey Instrument

Hello, may I please speak with [NAME]? This is [INTERVIEWER], calling from Macro International. You spoke with one of your field staff member on [TRIPDATE] during a day of fishing in [STATE] at [SITENAME].

If questflag=2, display: "I am calling to ask a few follow-up questions that could not be collected in the field."

If questflag=1, display "I am calling to verify some of the data that the interviewer recorded."

If questflag=3, display "I am calling to verify some of the data that the interviewer recorded and to ask a few follow-up questions that could not be collected in the field."

This study is being conducted in accordance with the privacy act of 1974. You are not required to answer any question that you consider to be an invasion of your privacy.}

{Note to programmer: If questflag=2, go to YEARSFISH}

- 1. How many years have you been saltwater recreational fishing?
- 001 record number of years
- 888 Don't know
- 999 Refused}

{If modeflag=6 or 7 go to peop_pay} - PC

2. Have you been saltwater fishing since [TRIPDATE], the day you were interviewed?

[It may be helpful to reassure the respondent that you will only be asking a few quick questions about one recent trip.]

1 Yes

2 No SKIPTO PEOP_PAY 8 Don't know SKIPTO PEOP_PAY 9 Refused SKIPTO PEOP_PAY}

- 3. Please think of your most recent day of saltwater fishing. Did you fish from a ...
- 1 Party/charter boat
- 2 Private boat
- 3 Rental boat
- 4 Shore (beach, bank, jetty, pier)
- 8 Don't know
- 9 Refused}
- 4. Were you targeting or hoping to catch any particular species or kinds of fish?

Accept up to two target species

- 9997 Anything/no particular species
- 0001 NMFS to provide species list
- 9995 Other (specify)
- 9996 Other (specify)
- 9998 Don't know
- 9999 Refused}
- 5. The species you have selected are:

Display Species 1

Display Species 2

Is this correct?

1 Yes

2 No {Reset to TARGET}}

6. If mode is 1 or 4 or 8, or 9, display - In what city and state did you fish? First, what was the state? If mode is 2 or 3, display - From which city and state did you launch your boat? First, what was the state?

- 01 Display state list (with fips codes for response category numbers)
- 02 NMFS This is all coastal states, including states not part of MRFSS, right?}

{CITY_OTH:

In what city?

- 1 Record city name
- 98 Don't Know
- 99 Refused}
- 7. Was that day of fishing part of a longer trip in which you spent at least one night away from your residence?
- 1 Yes

2 No SKIPTO PEOP_PAY 8 Don't know SKIPTO PEOP_PAY 9 Refused SKIPTO PEOP_PAY}

- 8. How many nights were you away from residence on that trip?
- 01 Record number of nights {If 0, skipto PEOP_PAY}
- 98 Don't Know
- 99 Refused}
- 9. How many days of the trip were spent fishing? I am asking about the number of days that were actually spent fishing on the most recent trip, and **not** the total number of days you were away.
- 01 Record number of days
- 98 Don't Know
- 99 Refused}
- 10. Did you make the trip **primarily** to go fishing?
- 1 Yes
- 2 No
- 8 Don't know
- 9 Refused}
- 11. Now I would like to ask you about expenses you made for consumable items during :\wording\.

I'm interested in expenditures for the whole trip, not just for the time spent fishing.

How many people, including yourself, contributed to expenses for the trip?

- 01 Record number of people (If 1, set indiv=1)
- 98 Don't Know
- 99 Refused}
- 12. About how much did you individually spend for the following items?

Display if indiv=0: If you can't recall how much you spent individually for each question, please tell me how much was spent by the group of people who went on the trip with you.

Food, drink and refreshments?

- 00 Zero/Nothing (Skip to TRIP_02)
- 01 Record amount
- 98 Don't Know (Skip to TRIP_02)
- 99 Refused (Skip to TRIP_02)}
- 12a. And was that your individual expenses or the group's expenses?
- 01 Individual
- 02 Group}

```
13. Lodging at motels, cabins, lodges or campgrounds?
00 Zero/Nothing (Skip to TRIP_03)
01 Record amount
98 Don't Know (Skip to TRIP_03)
                 (Skip to TRIP_03)}
99 Refused
13a. And was that your individual expenses or the group's expenses?
01 Individual
02 Group}
14. Transportation other than your own car, such as plane, train, bus or car rental?
00 Zero/Nothing (Skip to TRIP_04)
01 Record amount
98 Don't Know (Skip to TRIP_04)
99 Refused
                 (Skip to TRIP_04)}
14a. And was that your individual expenses or the group's expenses?
01 Individual
02 Group}
15. Boat fuel?
00 Zero/Nothing (Skip to TRIP_05)
01 Record amount
98 Don't Know (Skip to TRIP_05)
99 Refused
                 (Skip to TRIP_05)
15a. And was that your individual expenses or the group's expenses?
01 Individual
02 Group}
16. Guide or package fees for party or charter boats?
00 Zero/Nothing (Skip to TRIP_06)
01 Record amount
98 Don't Know (Skip to TRIP_06)
99 Refused
                 (Skip to TRIP_06)}
16a. And was that your individual expenses or the group's expenses?
01 Individual
02 Group}
17. Access and/or boat launching fees for access to pier, park, launch?
00 Zero/Nothing (Skip to TRIP_07)
01 Record amount
98 Don't Know (Skip to TRIP_07)
99 Refused
                 (Skip to TRIP_07)}
17a. And was that your individual expenses or the group's expenses?
01 Individual
02 Group}
```

```
18. Equipment rental for boat, fishing or camping equipment?
00 Zero/Nothing (Skip to TRIP_08)
01 Record amount
98 Don't Know (Skip to TRIP_08)
99 Refused
                (Skip to TRIP_08)}
18a. And was that your individual expenses or the group's expenses?
01 Individual
02 Group}
19. Live, cut or prepared bait?
00 Zero/Nothing (Skip to TRIP_09)
01 Record amount
98 Don't Know (Skip to TRIP_09)
99 Refused
                (Skip to TRIP_09)}
19a. And was that your individual expenses or the group's expenses?
01 Individual
02 Group}
20. Ice?
00 Zero/Nothing (Skip to TRIP_11)
01 Record amount
98 Don't Know (Skip to TRIP_11)
99 Refused
                (Skip to TRIP_11)}
20a. And was that your individual expenses or the group's expenses?
01 Individual
02 Group}
21. Cleaning fees?
[These are fees paid at the dock for fileting and cleaning fish]
00 Zero/Nothing (Skip to TRIP_10)
01 Record amount
98 Don't Know (Skip to TRIP_10)
99 Refused
                (Skip to TRIP_10)}
21a. And was that your individual expenses or the group's expenses?
01 Individual
02 Group}
22. Ask if TRIP_01 through TRIP_09 and TRIP_11 are all 98 or 99
Could you estimate the total amount that was spent for the trip?
00 Zero/Nothing (Skip to BOATEXP)
01 Record amount
98 Don't Know (Skip to BOATEXP)
99 Refused
                (Skip to BOATEXP)}
```

- 22a. And was that your individual expenses or the group's expenses?
- 01 Individual
- 02 Group}
- 23. On an annual basis, how much do you usually spend on mooring, storage, maintenance, and insurance for your fishing boat?
- [If the respondent owns more than one boat that is used for saltwater fishing, ask about the boat that is used the most.]
- 00 Zero/Nothing
- 01 Record amount
- 98 Don't Know
- 99 Refused}
- 24. For the next several questions, I'd like you to think about fishing equipment which was purchased during :\MONTH. For purchases during :\MONTH, how much did you spend on rods, poles, reels, and lines?
- 00 Zero/Nothing
- 01 Record amount
- 98 Don't Know
- 99 Refused}
- 25. Tackle and gear (lures, hooks, leaders, sinkers, flies, and fly-tying supplies/tackle boxes, landing nets, bait containers, minnow seines, knives?
- 00 Zero/Nothing
- 01 Record amount
- 98 Don't Know
- 99 Refused}
- 26. Ask if EQUIP_01 and EQUIP_02 are 98 or 99

Could you tell me the total amount that was spent for fishing equipment purchases during :\MONTH?

- 00 Zero/Nothing
- 01 Record amount
- 98 Don't Know
- 99 Refused}

And we're interested in how much you spent for several items purchased during :\MONTHS, where the items were purchased **primarily** for use in saltwater recreational fishing.

Some of these next items that I'll ask about are multi-purpose items which could be used for other things in addition to salt water recreational fishing. Please limit your responses to items purchased PRIMARILY for saltwater recreational fishing, even if you use them for other things.

- 27. During :\MONTHS, how much did you spend on camping equipment (such as sleeping bags, packs, tents) primarily used for saltwater recreational fishing.
- 00 Zero/Nothing
- 01 Record amount
- 98 Don't Know
- 99 Refused}
- 28. Binoculars, field glasses, or similar equipment.
- 00 Zero/Nothing
- 01 Record amount
- 98 Don't Know

- 29. Special fishing clothing such as foul weather gear, boots, and waders.
- 00 Zero/Nothing
- 01 Record amount
- 98 Don't Know
- 99 Refused}
- 30. Processing and taxidermy fees.
- 00 Zero/Nothing
- 01 Record amount
- 98 Don't Know
- 99 Refused}
- 31. Subscriptions to magazines devoted to recreational fishing.
- 00 Zero/Nothing
- 01 Record amount
- 98 Don't Know
- 99 Refused}
- 32. Dues or contributions to national, state or local recreational fishing clubs or organizations.
- 00 Zero/Nothing
- 01 Record amount
- 98 Don't Know
- 99 Refused}
- 33. Saltwater fishing licences or fees.
- 00 Zero/Nothing
- 01 Record amount
- 98 Don't Know
- 99 Refused}
- 34. Any other miscellaneous expenses for items which you primarily use for saltwater recreational fishing that were not listed elsewhere?
- 00 Zero/Nothing
- 01 Record amount
- 98 Don't Know
- 99 Refused}
- 35. Could you tell me the total amount that was spent for these types of items during :\MONTHS, where the items were purchased **primarily** for saltwater recreational fishing?
- 00 Zero/Nothing
- 01 Record amount
- 98 Don't Know
- 99 Refused}

The last set of questions concerns new boats and durable equipment that was purchased to be used **primarily** for saltwater recreational fishing during the last 12 months. Again, please limit your responses to items purchased PRIMARILY for saltwater recreational fishing, even if you use them for other things.

- 36. During the past 12 months, how much did you spend on new motor boats or motor boat accessories, including hull, motor and accessories?
- 00 Zero/Nothing
- 01 Record amount
- 98 Don't Know
- 99 Refused}
- 37. Canoe or other non-motor boat?
- 00 Zero/Nothing
- 01 Record amount
- 98 Don't Know
- 99 Refused}
- 38. Depth/fish finder or other electronic fishing devices?
- 00 Zero/Nothing
- 01 Record amount
- 98 Don't Know
- 99 Refused}
- 39. Vehicles (such as pickup, camper, RV, motor home, or trailer/hitch) used primarily for saltwater recreational fishing?
- 00 Zero/Nothing
- 01 Record amount
- 98 Don't Know
- 99 Refused}
- 40. Second home used primarily for saltwater recreational fishing?
- 00 Zero/Nothing
- 01 Record amount
- 98 Don't Know
- 99 Refused}
- 41. Could you tell me the total amount that was spent for durable fishing equipment purchases such as these during the last twelve months?
- 00 Zero/Nothing
- 01 Record amount
- 98 Don't Know
- 99 Refused}
- 42. Compared to your other recreational activities, would you rate fishing as... [Read list]
- [By other recreational activities I mean things such as golfing, hiking, hunting and tennis.]
- 01 Your most important recreational activity
- 02 Your second most important recreational activity
- 03 Only one of many recreational activities
- 98 DK
- 99 Refused}

- 43. Do you usually keep some of the fish you catch?
- 01 Yes
- 02 No
- 98 Don't Know
- 99 Refused}
- 44. If conservation measures were implemented in :\state of residence: that prohibited marine recreational anglers from **keeping** fish, though catch and release would be allowed, would you:
- 01 Travel to another state to fish
- 02 Continue fishing in :\state of residence: even though you could not keep any of the fish you caught
- 03 Continue fishing in :\State of Residence: even though you could not keep any of the fish you catch, but spend more of your money on other recreational activities within :\Enter State of Residence:
- 04 Stop fishing in :\State of Residence: but spend your money on other recreational activities within :\State of Residence:
- 05 other (specify)
- 98 Don't know
- 99 Refused}

Appendix 3: Random Digit Dial

RECREATIONAL FISHING QUESTIONNAIRE- 1999

Southeast Economic Add-On Questions to Random Telephone Survey

Asked at the beginning of each trip loop for the first non-refusing person in the household. Section 1 questions will be asked for the first day of fishing discussed by the angler regardless of in-state or out-of-state trip (provided state of residence and state of trip completion can be determined). They shall be asked after the trip loop questions in the base MRFSS survey for one mode (see following priority list) of fishing on the first day discussed, based on the following mode priority: (1) party/charter; (2) private/rental boat; and (3) shore. If state of trip is not known, these questions will not be asked.

Section 1

Begin Trip Loop

1. For all respondents in the Southeast:

Are you at least 16 years of age?

If no, , continue with trip loop questions but do NOT ask target species question

If yes, ask: What species were you fishing for on this trip?

End Trip Loop

Section 2

FOR RESPONDENTS IN THE SOUTHEAST, ASK THE FOLLOWING SECTION IF: (1) respondent age is at least 16, (2) it=s a fishing household and (3) you=re speaking with the first fisherman in the household, and (5) the trip is in a coastal state. The questions refer to the first trip which was profiled.

2. For the next set of questions, please think back to the first fishing trip you told me about, which was {restore month and day}. Was that day of fishing part of a longer trip in which you spent at least one night away from your residence?

if Yes - record response

if No - skips to expenses personally spent for food, drink, etc.

3. How many nights were you away from your residence on that trip?

{restore month and day}.]

If 1 or more nights, ask:

How many days of that trip were spent fishing?

Did you make that trip primarily to go fishing?

- 4. Now I would like to ask you about expenses made on consumable items during your trip.

 We're interested in expenditures for the whole trip. Thus, for those on overnight trips, please provide total expenditures for the entire trip C not just those that apply to the time spent fishing. How many people, including yourself, contributed to the expenses for the trip?
- 5. On your most recent fishing trip how much did you individually spend for food, drink and refreshments? If DK, ask: Do you know how much the group spent for food, drink and refreshments on the trip?
- 6. (Ask only if Q2 is no, DK or Ref) On your most recent fishing trip how much did you personally spend for lodging at motels, cabins, lodges, or campgrounds?

If DK, ask: Do you know how much the group spent for lodging at motels, cabins, lodges or campgrounds

If trip is in the shore mode, go to question 9.

- 7. On your most recent fishing trip how much did you personally spend for boat fuel? If DK, ask:Do you know how much the group spent for boat fuel?
- 8. On your most recent fishing trip how much did you personally spend for access and/or boat launching fees If DK, ask:Do you know how much the group spent for access and/or boat launching fees?
- 9. On your most recent fishing trip how much did you personally spend for equipment rental (boat, fishing o camping equipment)?
 If DK, ask:Do you know how much the group spent for equipment rental (boat, fishing or camping equipment)?
- 10. Were all these expenditures made in {restore state of trip}?If No, ask: Approximately what proportion of these expenditures were made in {restore state of trip}?[INTERVIEWER: Obtain the percent of expenditures made in {restore state of residence}].

The recall period of the base MRFSS telephone survey will be inserted in each question below as indicated by [autoinsert MONTHS].

- 11. Now, I would like to ask you about fishing equipment you purchased during the months of [autoinsert MONTHS]. To the nearest dollar, what is the value of the following items that you bought during [autoinsert MONTHS].} Rods, poles, reels, and lines?
- 12. Tackle and gear (lures, hooks, leaders, sinkers, flies, and fly-tying supplies/tackle boxes, landing nets, bai containers, minnow seines, knives)?

If the sum of Q11 and Q12 is 0, go to Q14.

- 13. Were all of your expenditures for these items made in {restore state of trip}?
 - if No, ask: What proportion of your expenditures for these items were made in {restore state of trip}?
- 14. Now, I would like to ask about your expenses for several items that you may have purchased during the months of [autoinsert MONTHS] that are primarily used for saltwater recreational fishing. How much did you spend on Special fishing clothing (like foul weather gear, boots, waders)?
- 15. Magazines subscriptions devoted to recreational fishing?
- 16. Saltwater Fishing licenses and fees?
- 17. Dues or contributions to National, state or local recreational fishing clubs or organizations?

If the sum of questions 14 through 17 is 0, go to Q19.

- 18. Were all your expenditures on these items made in {restore state of residence}? if No, ask: What proportion of these expenditures were made in {restore state of residence}?
- 19. Lastly, I would like to ask about purchases that you may have made during the past 12-months for new boats and other durable equipment that you use **primarily** for saltwater recreational fishing. How much d you spend on A new motor boat, or purchase of motor boat accessories, including hull, motor and accessories?
- 20. Depth/fish finder or other electronic fishing devices?
- 21. Canoe or other non-motor boat?
- 22. Vehicles used primarily for saltwater recreational fishing (like a pickup, camper, RV, motor home, boat trailer/hitch)?

If the sum of questions 19 through 22 is 0, end survey.

Were all your expenditures for these items made in {restore state of residence} If No, ask: What proportion of these expenditures were made in {restore state of residence}?