



The Economic Contribution of Marine Angler Expenditures in the U.S. Gulf of Mexico and Puerto Rico, 2011

by Sabrina Lovell, Scott Steinback, and Alexander Miller



Gulf States Marine Fisheries Commission

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Sabrina Lovell, Ph.D.

Office of Science and Technology
National Marine Fisheries Service
Division of Economics and Social Sciences
1315 East West Highway
Silver Spring, MD 20910
Sabrina.Lovell@noaa.gov

Scott Steinback, M.S.

Northeast Fisheries Science Center, Social Sciences Branch
National Marine Fisheries Service
166 Water Street
Woods Hole, MA 02543-1026
Scott.Steinback@noaa.gov

Alexander Miller, M.S.

Fisheries Economics Program
Gulf States Marine Fisheries Commission
2404 Government Street
Ocean Springs, MS 39564
amiller@gsmfc.org



Gulf States Marine Fisheries Commission
Fisheries Economics Program
2404 Government Street
Ocean Springs, MS 39564

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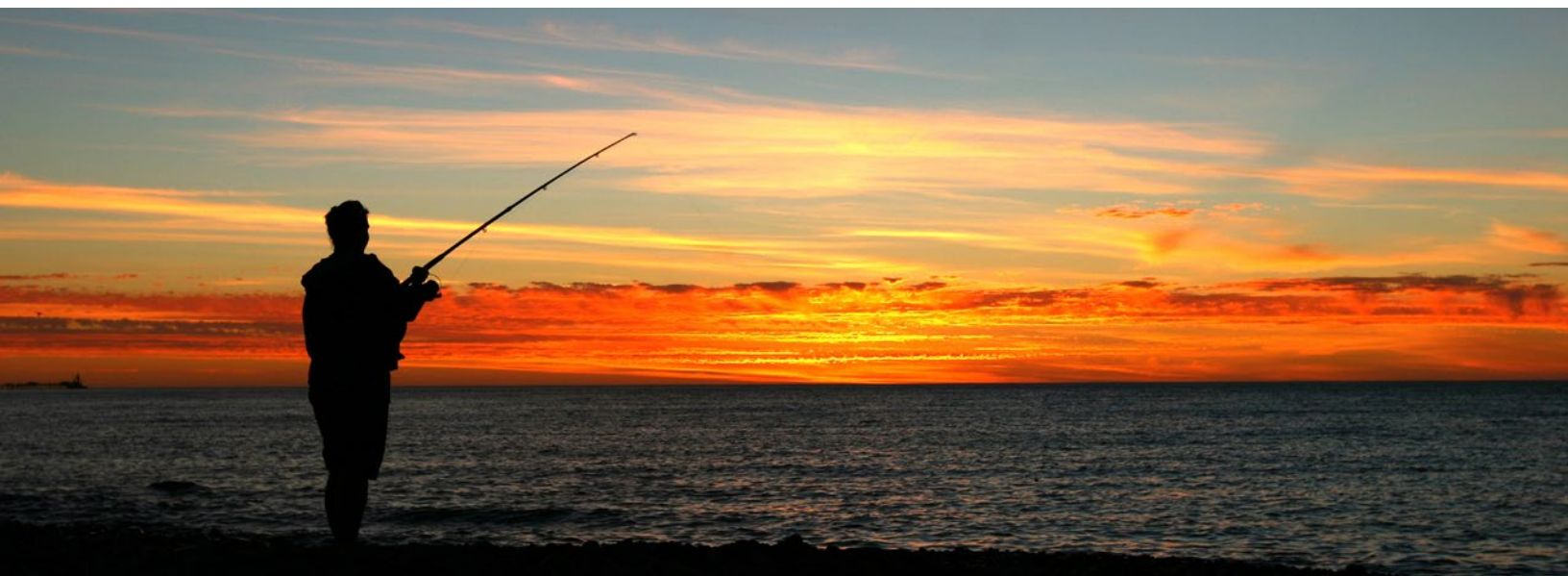
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Copies may also be obtained by writing:

Alexander Miller
Gulf States Marine Fisheries Commission
Fisheries Economics Program
2404 Government Street
Ocean Springs, MS 39564
amiller@gsmfc.org

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EXECUTIVE SUMMARY

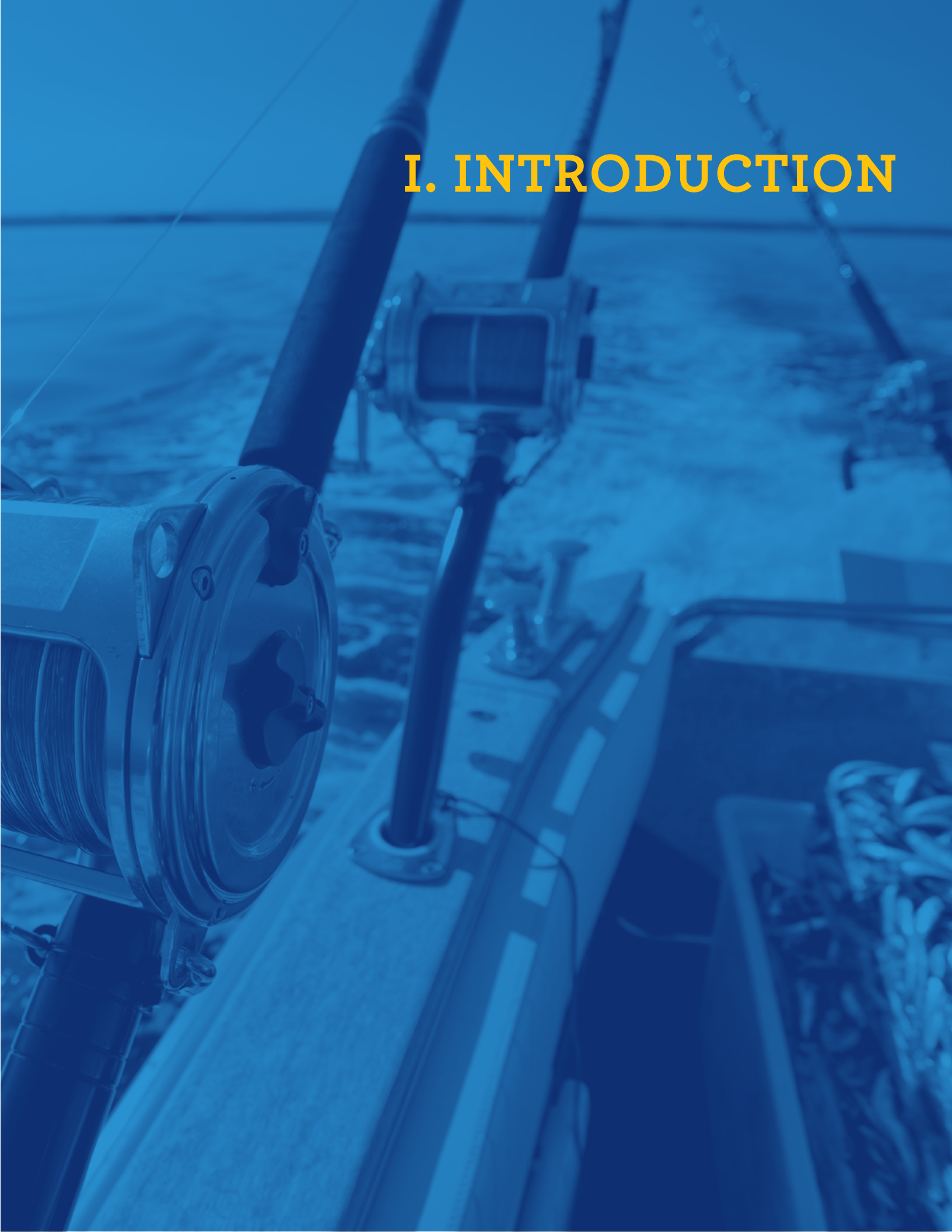
The image is a blue-tinted photograph of a boat's deck. In the foreground, a large, cylindrical light fixture with a clear lens is visible. In the middle ground, a GoPro camera is mounted on a black pole. The background shows the boat's deck and some equipment. The text "EXECUTIVE SUMMARY" is overlaid in yellow at the top.

Marine recreational fishing in the U.S. Gulf of Mexico (GOM) and Puerto Rico is a widely enjoyed outdoor activity by both residents and tourists to the region. In 2011, anglers fishing in the states along the GOM and in Puerto Rico took over 24 million fishing trips. The money spent by anglers on fishing trips and on fishing equipment is important to the economies of the coastal communities bordering the GOM and to Puerto Rico. In 2011, the Gulf States Marine Fisheries Commission (GSMFC) partnered with the National Marine Fisheries Service (NMFS) to survey marine recreational anglers in Alabama, West Florida, Louisiana, Mississippi, Texas, and Puerto Rico to gather information on their expenditures related to fishing trips in the GOM and Puerto Rico and on durable fishing-related equipment purchased in the GOM region and Puerto Rico.

The results of the 2011 Marine Recreational Fishing Expenditure Survey for the GOM region and Puerto Rico are presented in this report, along with a brief description of the survey design, implementation, and methods of analysis. The survey was conducted using in-person interviews with anglers at publicly accessible fishing sites for gathering trip-based expenditures and as a follow-up mail survey for durable good expenditures (in Texas, the entire survey was by mail). Over 28,000 interviews were conducted, and over 11,000 surveys were mailed. The regional response rate (including Puerto Rico) was 73% for the intercept survey and 29% for the follow-up mail portion.

Marine recreational anglers in the GOM region and Puerto Rico spent an estimated \$9.9 billion in 2011 on both trip-related expenditures and durable goods. Based on these estimated expenditures, an input-output assessment was conducted to examine how those expenditures circulated through each state's economy. Separate models were developed for each state and for Puerto Rico. Based on the individual state models, angler expenditures contributed an estimated \$8 billion in total output (i.e. sales) in West Florida, followed by Louisiana (\$2 billion in output), Texas (\$1.6 billion in output), Alabama (\$819 million in output), Mississippi (\$121 million in output), and Puerto Rico (\$29 million in output). In terms of full and part-time jobs, angler expenditures contributed 66,237 jobs in West Florida, followed by Louisiana (17,808 jobs), Texas (13,332 jobs), Alabama (8,867 jobs), Mississippi (1,383 jobs), and Puerto Rico (265 jobs).

I. INTRODUCTION



The crystal waters of the GOM are home to some of the most productive fisheries in the world. From West Florida to Texas, there are over 1,600 miles of coastline along the GOM that provide numerous opportunities for recreational angling (US EPA, 2013). In 2011, recreational anglers harvested over 62 million fish totaling 75.7 million pounds from the waters of the GOM. About 24 million recreational fishing trips were taken in the GOM in 2011 from states bordering the GOM (Alabama, West Florida, Louisiana, Mississippi, and Texas) and in Puerto Rico. Over 57% of these trips were taken from a private boat, 40% were shore-based, and about 3% were on a charter or guided trip (NMFS, 2013).

Recognizing the important economic contributions that recreational anglers make to the regional economy of the GOM and Puerto Rico, the GSMFC, the states bordering the GOM, the Commonwealth of Puerto Rico, and the NMFS jointly conducted a survey of marine recreational anglers in 2011.¹ The survey was administered to anglers who fished in Alabama, West Florida, Louisiana, Mississippi, Texas, and Puerto Rico. The survey asked anglers about their expenditures related to marine recreational fishing in these locations and was part of a larger survey effort, the 2011 National Marine Recreational Fishing Expenditure Survey (hereafter referred to as “NES”), which included all U.S. coastal states and Puerto Rico. The 2011 survey was the third marine recreational angler expenditure survey conducted by the NMFS and partners in the GOM region. Previous surveys were done in 2006 and in 1999 (Gentner and Steinback 2008; Gentner, Price, and Steinback, 2001).

Angler expenditures can be divided into two main categories. First are those expenditures directly related to a particular fishing trip (such as bait, boat fuel, food, and lodging). The second category includes expenditures on equipment or services that can be used for multiple trips (e.g. fishing licenses, rods and reels, boats, and trailers) or that are not related to a specific trip (e.g., fishing magazines). The items in this second category are referred to as durable goods. The survey collected information from anglers on a wide variety of both trip-related expenditures and expenditures on durable goods. The survey also asked questions related to the angler’s most recent marine recreational fishing trip and collected demographic information on anglers. The survey data were then used to estimate the economic contributions of marine recreational fishing to the individual Gulf states and Puerto Rico via input-output models.

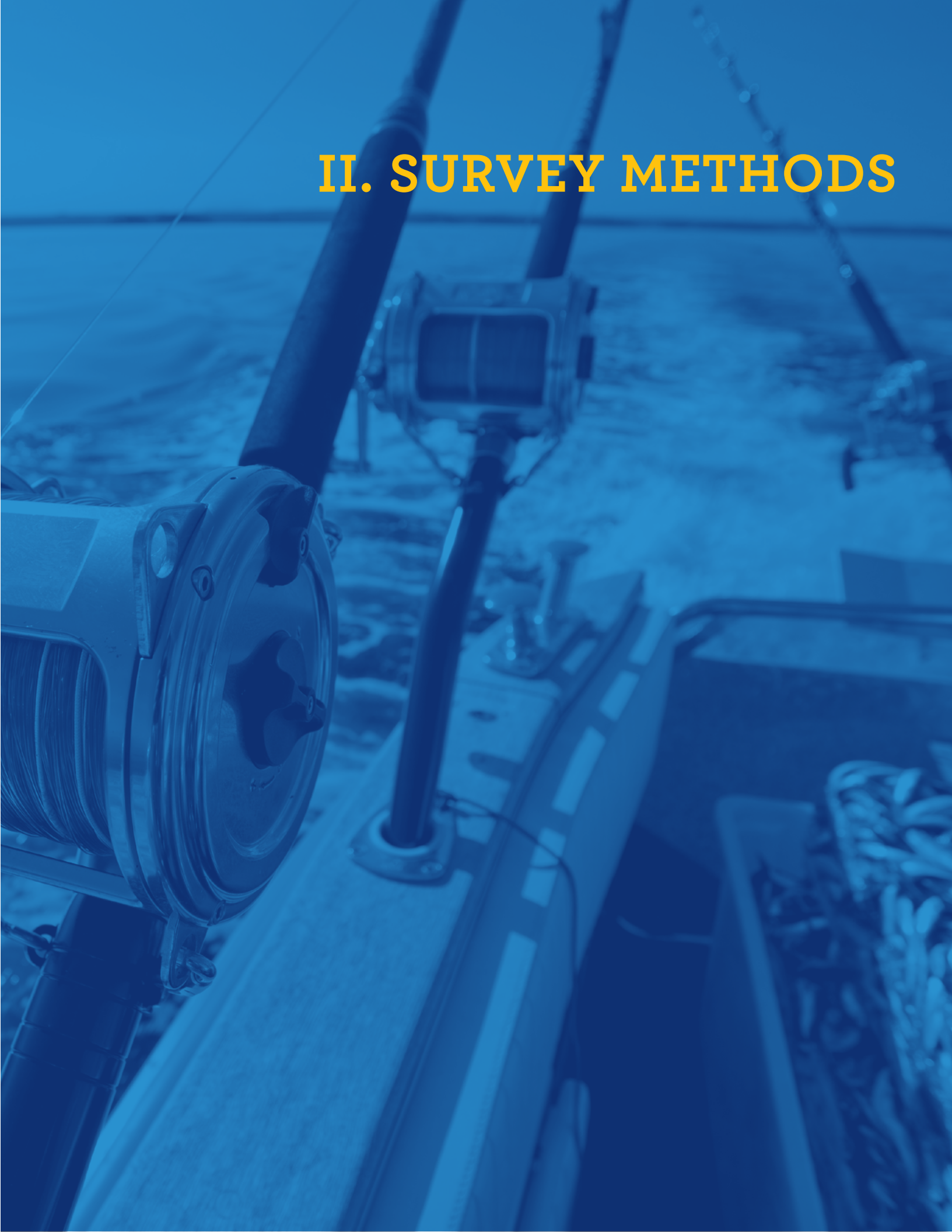
Section 2 of this report gives a brief description of the data collection procedures and sampling design. Section 3 presents the analytical methods used to estimate mean angler expenditures and total angler expenditures. Section 4 includes a discussion of input-output modeling and the methods for estimating state level economic contributions from marine recreational fishing. Section 5 includes an overview of the

¹ Marine recreational fishing was defined as fishing for finfish in the open ocean or any body of water that is marine or brackish for sport or pleasure.

results for the Gulf states and Puerto Rico and remarks regarding model assumptions and limitations. Section 6 provides tables with expenditure and contribution results for the individual GOM coastal states and for Puerto Rico.



II. SURVEY METHODS



An existing survey of marine recreational anglers was used to develop the sample for the expenditure survey within the GOM region and Puerto Rico. The Access Point Angler Intercept Survey (APAIS) is jointly conducted by NMFS, GSMFC, the states within the GOM region, and Puerto Rico. The survey is designed to estimate average angler catch rates for different species and is combined with a telephone survey of effort to obtain estimates of total catch by state and species. For the purposes of the APAIS, Florida is divided into East Florida, which is considered part of the NMFS's South Atlantic Region, and West Florida, which is considered part of the NMFS's GOM Region. Only West Florida is included in the GOM region. Marine recreational anglers intercepted as part of the APAIS, and who were 16 years of age and older, were eligible for the expenditure survey. Additional economic questions were added to the APAIS survey which asked about expenditures related to the intercepted fishing trip. Anglers were also asked for a contact address (either mail or email) and their willingness to participate in a follow-up survey regarding annual durable expenditures. Over 38,000 interviews with anglers were conducted as part of the APAIS in 2011 for the GOM region and Puerto Rico, and 28,287 economic add-ons were completed. Of those, 21% supplied contact information for a follow-up survey on their durable expenses.

In Texas, the APAIS survey is not conducted, so an alternative sample frame had to be designed. The Texas Department of Parks and Wildlife (TPWD) provided NMFS with bi-monthly license data on all anglers who had purchased a Texas license that allowed for saltwater fishing. A stratified sample was designed, based on existing Texas data, regarding the percentages of anglers by license type that reported fishing in saltwater, information on license counts for the previous license year, and the cost per survey sent. Lifetime license holders were also included in the sample and were categorized into different strata using descriptive information from the TPWD license database. The Texas licenses were categorized into the following five groups:

- Resident fishing and hunting combination (39.9%)
- Resident all-water (38.6%)
- Resident marine (21.6%)
- Non-resident all-water (64.1%)
- Non-resident marine (35.9%)

Percentages, in the parentheses above, indicate the sample proportions within a resident category.

These bi-monthly license frames from Texas were used to draw a stratified random sample of anglers. Anglers in the sample were subsequently sent a survey asking about both trip expenditures for their most recent marine fishing trip in Texas and their annual durable good purchases.

Anglers who provided contact information as part of the APAIS and anglers drawn from the Texas license files were sent a survey either by mail or email that asked about their expenditures on marine fishing-related durable goods in the prior 12 months. Survey versions were personalized based on the state of intercept, including framing of state specific questions and graphics. Questions focused on expenditures in the state where they were intercepted (or in Texas for the Texas sample). The version for Texas included questions on their most recent marine fishing trip in Texas. The trip-related questions on the mail survey for Texas gathered the same information that was obtained in the economic add-on to the APAIS.

The sampling protocol followed a modified Dillman method (Dillman, 2009). If an email address was available for a respondent, then the respondent was first sent an email invitation to access a web-based version of the survey using a unique user identification code and password. Respondents were asked to complete the web survey within one week of receiving the email. Three days later, they received a reminder email. Respondents with complete postal addresses, and who did not complete the survey online within one week, were routed into the postal mail group. Anglers were first sent a cover letter describing the purpose of the survey, a questionnaire booklet, and a business reply envelope. One week later, all anglers were sent a post card that thanked the angler for participating in the survey and included a reminder to return the survey. Three weeks after the first mailing, anglers whose surveys had not yet been received were sent a modified cover letter and another copy of the questionnaire. The second cover letter offered the option of completing the survey online and provided the web address to access the survey, as well as a unique user name and password. The provision of the web address in the second cover letter was based on studies that showed reduced overall response rates when an online option was given in the first contact versus providing that option in a subsequent contact (ICF Macro, Inc., 2012). ICF Macro, Inc. conducted the NES mail data collection for all states. Copies of the questionnaires are available online.²

A total of 11,755 surveys were sent to anglers in the GOM region and Puerto Rico either via email or postal mail (Table 1). Approximately 29% of the surveys were completed either online or returned in the mail. Response rates varied across states. West Florida had the highest response rate with 43% of the anglers returning the follow-up survey. Texas had the lowest response rate, 18%, which was expected, given that licenses were not exclusive to marine fishing and were also sampled without pre-screening for trips taken in 2011.

² <http://www.st.nmfs.noaa.gov/economics/fisheries/recreational/angler-expenditures-economic-impacts/index>.

Table 1. INTERCEPT AND FOLLOW-UP SURVEY COMPLETION STATISTICS

State	MRIP Intercept Surveys	MRIP Economic Add-Ons Completed	Mail Surveys Sent	Mail Surveys Returned
Alabama	2,778	1,726	243	80
West Florida	26,082	18,294	3,417	1,459
Louisiana	5,897	5,117	1,608	633
Mississippi	1,783	1,200	435	129
Texas	n/a	n/a	5,820	1,025
Puerto Rico	2,290	1,950	252	50
Total	38,830	28,287	11,775	3,376

^a The number of completed surveys shown in this Table includes those with some missing responses to individual questions.

To address potential non-response bias, a telephone non-response survey was conducted two weeks after the second mailing. Ten percent of anglers who did not return the survey were selected for the non-response sample in each wave and state. No significant non-response bias was found. A complete description of all of the survey procedures for each of the states and Puerto Rico can be found in Lovell et al. (2013).

III. ANALYSIS OF EXPENDITURE DATA



TRIP EXPENDITURES

The survey asked anglers about their expenditures for auto fuel, auto rental, public transportation (airfare, bus, taxi, subway, ferry), lodging, food (from grocery stores and from restaurants), bait, ice, boat fuel, guide fees, tips to crew, fish processing, and gifts or souvenirs for their most recent fishing trip. Respondents were also asked to estimate the proportion of their total expenditures that were spent in the state of the fishing trip. Additional information collected included the mode of the fishing trip (for-hire, private boat, and shore), state and zip code of the angler's primary residence, number of hours fished on the interviewed trip, top two target species, and the primary purpose of the trip (fishing, business, or personal) if the trip was an overnight trip.

Trip expenditure data was used to estimate mean trip expenditures by survey stratum (state, mode of fishing trip, and resident status). Resident status was split into two categories, resident or non-resident. Anglers who were permanent residents of the state in which they were interviewed were considered residents. Mean trip expenditures were calculated for an angler-trip, defined as one day of fishing for one angler. On the survey, anglers were asked to estimate total expenditures for the entire trip away from their permanent residence if the trip involved an overnight stay. Data on the number of nights anglers spent away from their permanent residence and the number of days spent fishing was collected and used to calculate expenditures per angler-trip.

Anglers were asked to report what they personally spent on either themselves or others. They were asked not to include expenses that others paid on their behalf. The trip expenditure questions included an "other" category that allowed for an open-ended response for the expenditure type and the amount. These responses were re-coded into one of the other expenditure categories, if applicable, and separated into discrete amounts. The reported percentage of trip expenditures that were spent in the state of the most recent fishing trip was multiplied by each expenditure to calculate the final expenditure per respondent spent in the state of the trip. If a percentage was left blank, it was replaced with either 100% in the case of residents, or a statewide average percentage (based on non-resident records only) for non-residents. Mean trip expenditures were estimated by accounting for both the survey design of the underlying sample and the appropriate sample weights (Lovell et al., 2013).

Total annual trip expenditures were estimated by multiplying mean trip expenditure by the estimated annual number of adult trips in a given stratum (state/mode/resident). For all states except Texas, the annual number of adult trips by stratum was estimated by summing the adjusted sample weights in a given stratum. Estimates of total angler effort in Texas were obtained from the TPWD and adjusted to account

for adult-only trips using an average percentage of adult trips by mode and resident status across all APAIS states. Table 2 provides the 2011 adult effort totals by state and resident status.

Table 2. ANGLER EFFORT IN THOUSANDS OF TRIPS, 2011

State	ANGLERS 16 YEARS AND OLDER		Total
	Resident	Non-Resident	
Alabama	1,692	559	2,250
West Florida	9,353	2,772	12,125
Louisiana	3,944	372	4,316
Mississippi	1,316	88	1,404
Texas	2,016	140	2,156
Puerto Rico	364	14	378

DURABLE EXPENDITURES

The survey asked about expenditures on semi-durable goods such as fishing tackle and gear (fishing line, hooks, lures, etc.), rods and reels, fishing licenses, special clothing, publications (books, magazines, newspapers, etc.), camping equipment, binoculars, dues and contributions to fishing clubs, and processing or taxidermy costs. Questions on durable goods were related to boats, vehicles, and second homes. Anglers were asked if they owned a boat that they used for recreational marine fishing in the prior 12 months. Additional questions were asked on the length and horsepower of the boat and the percentage of time in the prior 12 months that they had used it for marine recreational fishing. Boat-related expenditures included purchases of motorboats and accessories, non-motorized boats, boating electronics, mooring and storage, boat insurance, boat and trailer license and registration, and boat and trailer maintenance and repairs.³ Similar questions were asked about vehicles and second homes used for marine recreational fishing in the past 12 months (purchase, repair and maintenance, insurance, and license/registration for vehicles). As with boats, respondents were asked to estimate the percentage of time that the vehicle and second home were used for marine recreational fishing. The final section of the mail survey collected a set of socioeconomic and demographic information, including gender, age, ethnicity, race, annual household income, education level, number of hours worked per week, and the years of marine fishing experience.

Mean durable expenditures were estimated by state and resident status for each durable expenditure category on the survey. Anglers were asked to estimate the percent of time that they used the items for marine fishing and the percentage spent in the survey state. The percentages were multiplied by the expenditure amount in order to calculate the amount attributed to marine fishing spent in the survey state. Only durable goods used primarily for fishing (50% or over) were included. For any items that anglers reported using less than 50% of the time for marine fishing, expenditures were recoded as zero.

An avidity bias related to durable expenditures may be present for the intercept-based portion of the sample. This bias could occur if more avid anglers have a higher likelihood of being sampled as part of the APAIS and if their durable expenditures are correlated with avidity. For the trip expenditures, any potential bias is likely to be small because expenditures are reported on a per-trip basis rather than over multiple trips. The base sample weights were adjusted to correct for potential avidity bias.

³ Questions on fishing tackle expenses and boat mooring, storage, and repair expenses for a given trip were included as trip related expenditures in 2006, and similar categories were also included in the durable good expenditures in 2006; in 2011 both categories were only included as durable goods to avoid any possible double counting.

Respondents were asked if purchases of boats, boat accessories, vehicles, and second homes were made new or used, whether they were from dealers or private parties, and whether or not they were financed. If one of these items was purchased new within the survey state, then the purchase price was included in the estimation procedures. If, however, any of these items were purchased used from a private party and not financed, the expenditure was not included because purchases of used goods from private parties do not generate any new economic activity and are considered transfer payments from one household to another. Additional estimates of financial transaction costs and related expenditures were calculated as described in Lovell et al. (2013).

Total annual durable expenditures were estimated by multiplying mean durable expenditures in each category by the estimated annual number of adult participants in a given state and resident stratum. The annual number of adult participants was calculated by multiplying estimates of participation in a given stratum by the percentage of adults in that same stratum. The percentage of adults was calculated from the percentage of adult effort in the same stratum. Estimates of total participation were obtained from the NMFS. Estimates of participation for Texas were based on the numbers of licenses that included marine fishing in consultation with the TPWD. Adult trips for Texas were calculated by multiplying the percentage of adult effort by resident status averaged across all the other APAIS states by the total number of participants for the same resident stratum. Table 3 provides the 2011 adult participation totals by state and resident status.

Table 3. ANGLER PARTICIPATION IN THOUSANDS OF ANGLERS, 2011

State	ANGLERS 16 YEARS AND OLDER		
	Resident	Non-Resident	Total
Alabama	425	349	774
West Florida	1,322	1,313	2,634
Louisiana	707	174	882
Mississippi	165	54	219
Texas	685	66	751
Puerto Rico	80	13	93

A blue-tinted photograph of a boat deck. In the foreground, a large, clear plastic reel of fishing line is visible on the left. A GoPro camera is mounted on a black pole in the center. The background shows the wooden deck and a basket of fishing gear on the right. The text 'IV. ECONOMIC CONTRIBUTION ANALYSIS' is overlaid in yellow in the upper right quadrant.

IV. ECONOMIC CONTRIBUTION ANALYSIS

To estimate the contributions from marine recreational fishing to the individual state economies, a regional input-output model was created for each of the separate Gulf states (Alabama, West Florida, Louisiana, Mississippi, and Texas) and for Puerto Rico. For example, Figure 1 includes the economic contribution of jobs from marine recreational fishing on a state-by-state basis from West Florida to Texas and Puerto Rico.

Input-output models are based on the interrelationship between demand for final goods and services in a regional economy and the supply of intermediate goods and services needed to produce these final goods and services. When anglers spend money on fishing-related goods and services, there are additional effects other than the direct effect at the retail or service-oriented business. There are also indirect and induced effects. Indirect effects occur when recreational fishing retail and service sectors purchase business supplies from wholesale trade businesses and manufacturers and pay operating expenditures. These secondary industries, in turn, purchase additional supplies, and this cycle of industry-to-industry purchasing continues until all indirect effects are derived from outside the region of interest (Steinback, Gentner, and Castle 2004). Payments for goods and services produced outside of the study area (i.e., outside state lines) are excluded because these effects contribute to businesses located in other regions. Induced effects occur when employees in the direct and indirect sectors make purchases from retailers and service establishments in the normal course of household consumption. The summation of the direct, indirect, and induced effects represents the total economic contributions generated from marine sport fishing expenditures to the overall regional economy.

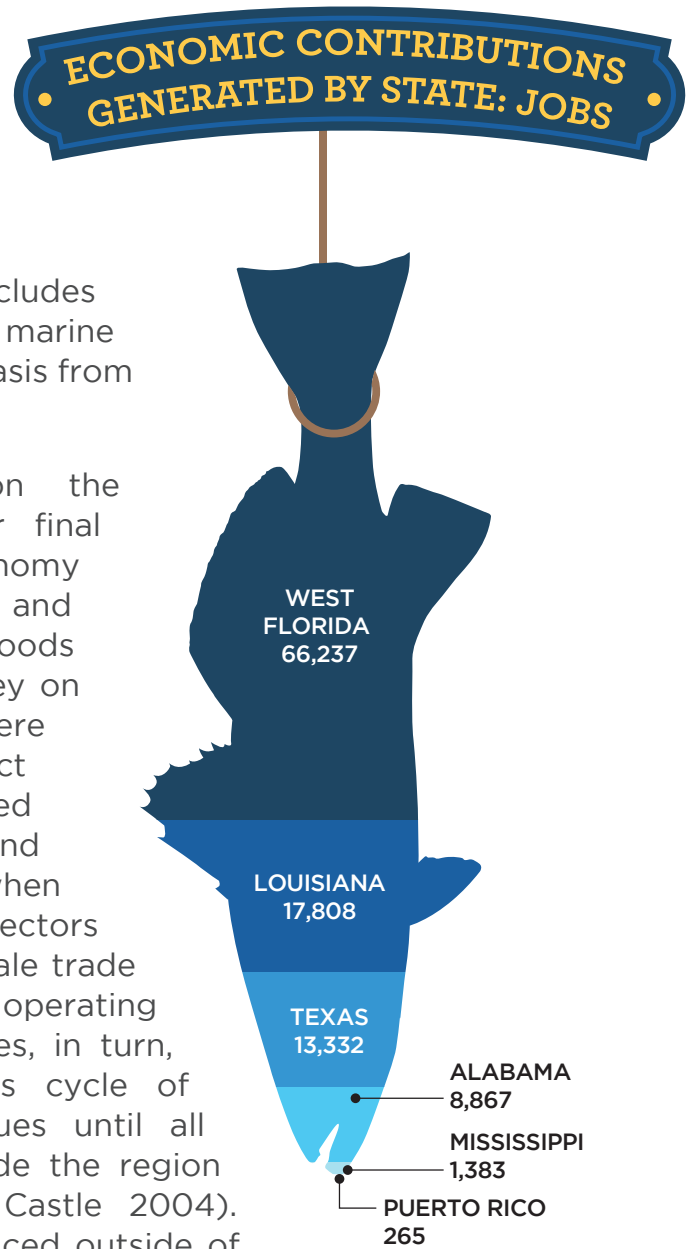


Figure 1.
THE ECONOMIC CONTRIBUTION OF JOBS BY STATE

In the analysis of the 2011 angler expenditures, a commercially available regional input-output model called IMPLAN (Minnesota IMPLAN Group, Inc., 2010) was used

to estimate the economic contributions of marine recreational fishing. The IMPLAN software is a widely used, nationally recognized tool. For this report, IMPLAN Version 3 software was used, which provides detailed purchasing information for 440 industrial and retail sectors. In order to accurately analyze the economic contributions from angler expenditures, it was necessary to match the type of expenditure with a corresponding industry or retail sector in IMPLAN. Angler expenditure categories from the survey were allocated to IMPLAN sectors based on the sectoring scheme shown in Table 4.

Table 4. **RECREATIONAL EXPENDITURE SECTORING SCHEME FOR IMPLAN**

Expenditure	Category	IMPLAN 440 Sector(s)	Basis
Trip	Auto Fuel	3115	Retail
	Auto Rental	362	Industry
	Bait	3017	Retail
	Boat Fuel	3115	Retail
	Boat Rental	363	Industry
	Charter Crew Tips	338	Industry
	Charter Fees	338	Industry
	Fish Processing	61	Industry
	Food - Grocery Stores	338	Household PCE Vector
	Food - Restaurants	413	Industry
	Gifts and Souvenirs	330	Industry/Margins
	Ice	3070	Retail
	Lodging	411, 412	Industry
	Parking and Site Access Fees		State/Local Gov't NISP
Public Transportation	336, 332	Industry	
Tournament Fees	410	Industry	
Tackle	Rods & Reels	3311	Retail
	Tackle & Gear	3311	Retail
	Spearfishing Gear	3312	Retail

Table 4 continued on next page

Table 4
Cont'd.

**RECREATIONAL EXPENDITURE SECTORING SCHEME
FOR IMPLAN**

Expenditure	Category	IMPLAN 440 Sector(s)	Basis
Equipment	Camping Equipment	3311, 3084	Retail
	Binoculars	3211	Retail
	Fishing Clothing	3087, 3088, 3089, 3093, 3311	Retail
	Club Dues	410	Industry
	Processing/Taxidermy	405	Industry
	Subscriptions	3342, 3341, 3343, 3345	Retail
	Fishing License Fees		State/Local Gov't NISP
Boats	New Power Boat	3291	Retail
	New Canoes/ Non-motor Boat	3291	Retail
	Electronics/ Accessories	3249, 3238, 3085	Retail
	Boat Maintenance	418, 320	Industry/Margins
	Boat Insurance	357	Industry
	Boat License/ Registration		State/Local Gov't NISP
	Boat Storage	410	Industry
Houses	New Vacation Home	37, 38	Industry
	Property Taxes for Homes		State/Local Gov't NISP
	Second Home Maintenance	40	Retail
	Second Home Insurance	357	Industry
Vehicles	Fishing Vehicle	3276, 3277, 3281, 3282, 3294	Retail
	Vehicle Maintenance	414, 320	Industry/Margins
	Vehicle Insurance	357	Industry
	Vehicle License/ Registration		State/Local Gov't NISP

Table 4 continued on next page

Table 4
Cont'd.

**RECREATIONAL EXPENDITURE
SECTORING SCHEME FOR IMPLAN**

Expenditure	Category	IMPLAN 440 Sector(s)	Basis
Interest Payments	Boats	355	Industry
	Homes	355	Industry
	Vehicles	355	Industry
Used Purchases	Power Boats	320	Industry/Margins
	Canoes/Non-motor Boat	320	Industry/Margins
	Vehicles	320	Industry/Margins
	Boat Electronics	322	Industry/Margins
	Real Estate Commission	360	Industry

Expenditure categories that included more than one IMPLAN sector were not aggregated to avoid the biases associated with aggregating. Instead, the expenditure in the category was distributed to individual IMPLAN sectors based on the proportion of final household demand in each sector in each state. Additional details on the IMPLAN state-level models are given in Lovell et al. (2013).

Four different metrics, referred to as contributions, result from the input-output model. The different metrics are as follows:

- Output is the gross value of sales by businesses within the economic region affected by an activity. In the rest of the document, the terms “sales contributions” and “output contributions” are used interchangeably.
- Labor income includes personal income (wages and salaries) and proprietors’ income (income from self-employment).
- Value Added is the contribution made to the gross domestic product in a region from marine recreational fishing.
- Employment is specified on the basis of full-time and part-time jobs. There is significant part-time and seasonal employment in commercial and recreational fishing and many other industries.

The first three are measured in terms of dollars, whereas employment contributions are measured in terms of number of jobs. Additionally, the four categories of contributions are not independent, and it is important to note that adding them together would result in some double counting of contributions. Throughout this report, the results of

the input-output analysis are referred to as “economic contributions.” Similar literature concerning the results of input-output analysis may refer to these as “economic impacts.”

Contributions were estimated by fishing mode (for-hire, private boat, shore), by durable expenses, and total expenses. For all expenditures combined, the tax contributions were also estimated. Taxes denote the income received by federal and state/local governments. The tax revenue estimates are based on data available in IMPLAN’s social accounting matrix, which tracks monetary flows between industries and institutions such as households, government, investment, and trade. Estimated tax contributions are not presented herein and can be found in Lovell et al. (2013).



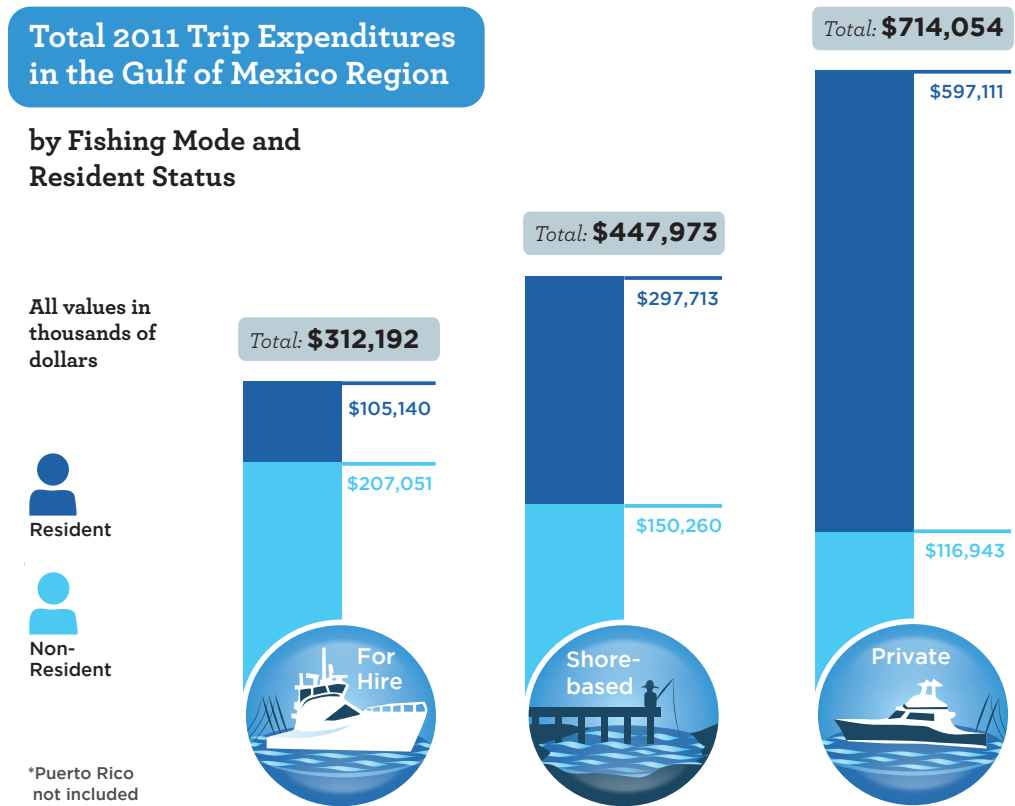
V. RESULTS



Anglers' marine recreational fishing expenditures and the economic contributions of those expenditures are presented for each coastal Gulf state and for Puerto Rico. Three tables of results are shown for each Gulf state and for Puerto Rico. The first table summarizes the total economic contributions attributable to recreational fishing expenditures on output (sales), value-added, income, and employment by trip mode, durable expenditures, and overall total. The second table shows mean trip and durable expenditures by type of expenditure and resident status. The third table provides total expenditures by type of expenditure and resident status. When interpreting the results, note that it is incorrect (and a frequent mistake) to add the different types of contributions together because they are not mutually exclusive. It is also important to note that the numbers in the tables and figures throughout this report may not necessarily calculate or sum perfectly as a result of rounding.

Overall, anglers in the GOM region (West Florida to Texas) spent \$9.8 billion in 2011 on trip-related expenses and durable good purchases. Trip expenditures accounted for \$1.5 billion (Figure 2), while durable expenditures were \$8.3 billion. Resident anglers spent \$8.6 billion, and non-resident anglers spent \$1.2 billion. These expenditures generated \$8 billion in total output (sales) in West Florida, followed by Louisiana (\$2 billion in output), Texas (\$1.6 billion in output), Alabama (\$819 million in output), and Mississippi (\$121 million in output). Angler expenditures also supported 66,237 jobs in West Florida, followed by Louisiana (17,808 jobs), Texas (13,332 jobs), Alabama (8,867 jobs), and Mississippi (1,383 jobs). In Puerto Rico, total angler expenditures of \$72 million generated \$29.2 million in output (sales) and supported 265 jobs throughout the territory's economy.

Figure 2.
TOTAL TRIP EXPENDITURES IN THE U.S. GULF OF MEXICO REGION, BY FISHING MODE AND RESIDENT STATUS, 2011



Keynesian multipliers are defined as the ratio of total contributions to final expenditures and express the mathematical relationships between angler expenditures and the economic contributions generated from the expenditures (Archer 1984). Keynesian multipliers can be used to predict how changes in angler expenditures (increases or decreases) will affect output (sales), income, value-added, and employment in a regional economy. To do this, one multiplies the appropriate Keynesian multiplier (total contribution/total expenditure) by the change. For example, an increase of \$100,000 in overall angler expenditures in Alabama would yield a total increase in output within the state of approximately \$95,680 ($\$100,000 \times (\$819 \text{ million}/\$856 \text{ million})$). Caution is advised, however, when using the expenditure and contribution estimates shown in this report to make projections too far into the future because the projections are based on a particular region's industrial structure in 2008 (2009 for Puerto Rico), and if the outcome of an increase in angler expenditures is desired, it must be assumed that there is sufficient productive capacity (i.e., labor and capital) within the region to satisfy an increase in angler expenditures.

The reader should also be aware of additional caveats associated with the state-level contribution estimates shown in this report. The estimated contributions shown separately for each state and Puerto Rico are limited to economic activity within a state and may underestimate the state-level effects associated with marine recreational fishing. Contributions generated through the imports of goods and services from other neighboring coastal states are not part of each individual state assessment. For example, if a retail store in West Florida sold fishing tackle that was manufactured in Texas, the contributions associated with the production of the fishing tackle are not included in either state's contribution assessment. The associated wholesale, distribution, and retail mark-ups that occurred in West Florida are included in West Florida's contribution assessment, but the portion attributable to tackle manufacturing is not included in the Texas assessment.

The purpose of the input-output analysis was to estimate the total economic activity associated with marine angling expenditures in each coastal Gulf state and Puerto Rico; therefore, expenditures by both residents and non-residents were included in the input-output analysis. In contrast to a true "economic impact" analysis that examines how changes in policies or other external factors affect the economic activity associated with changes in angler expenditures, the assessment shown here is generally described as a "contribution" analysis and simply shows the total economic contribution of marine angling expenditures to a regional economy under the conditions that existed during 2011. Often, in economic impact analysis, as opposed to economic contribution analysis, spending by residents must be adjusted in the model because it is assumed that they would reallocate most of their expenditures to other sectors of the regional economy, thereby causing no net change in contributions.

A caveat that deserves attention relates to the underlying purpose and use of input-output analysis. In particular, it is a model designed to identify patterns of transactions and the resource requirements and sector output requirements resulting from angler expenditures. The input-output approach should not be considered a substitute for approaches such as benefit-cost analysis. Benefit-cost analysis seeks to determine whether resources are being put to their best use by examining the difference between total economic value and total costs. In the context of recreational fishing, total net economic value is generally defined as willingness to pay in excess of actual expenditures. Alternatively, input-output assessments reveal how actual expenditures affect economic activity within each sector of an economy.



VI. STATE LEVEL RESULTS

ALABAMA



Total angler expenditures on marine recreational fishing in Alabama were \$856 million in 2011. Trip expenditures were \$146 million and expenditures on durable goods were \$710 million. Marine angling trip expenditures were 17% of total angling expenditures, and durable good expenditures were the remaining 83%. For-hire fishing trip expenditures totaled \$27 million, private boat trip expenditures totaled \$59 million, and shore fishing trips totaled \$61 million. Mean trip expenditures by residents were \$273.70 on for-hire fishing trips, \$42.73 on private boat trips, and \$40.33 for shore trips. Non-resident mean trip expenditures were \$526.49, \$108.57, and \$89.98 respectively. Residents spent \$75 million on trip expenses: \$5.5 million on for-hire trips, \$41 million on private boat trips, and \$28 million on shore trips. Non-residents spent \$71 million on trip expenses; \$21 million on for-hire trips, \$17 million on private boat trips, and \$32 million on shore trips. Resident spending on durable goods purchased in Alabama totaled \$580 million; non-resident spending on durable goods totaled \$130 million. Marine recreational fishing in Alabama contributed 8.9 thousand jobs to the state’s economy and generated \$819 million in output (sales), \$505 million to the state’s gross domestic product, and \$319 million in income. Trip expenditures generated approximately 1.9 thousand jobs, and durable expenses generated 7 thousand jobs. Marine angling trip expenditures supported 22% of total employment, and durable expenditures supported the remaining 78%.

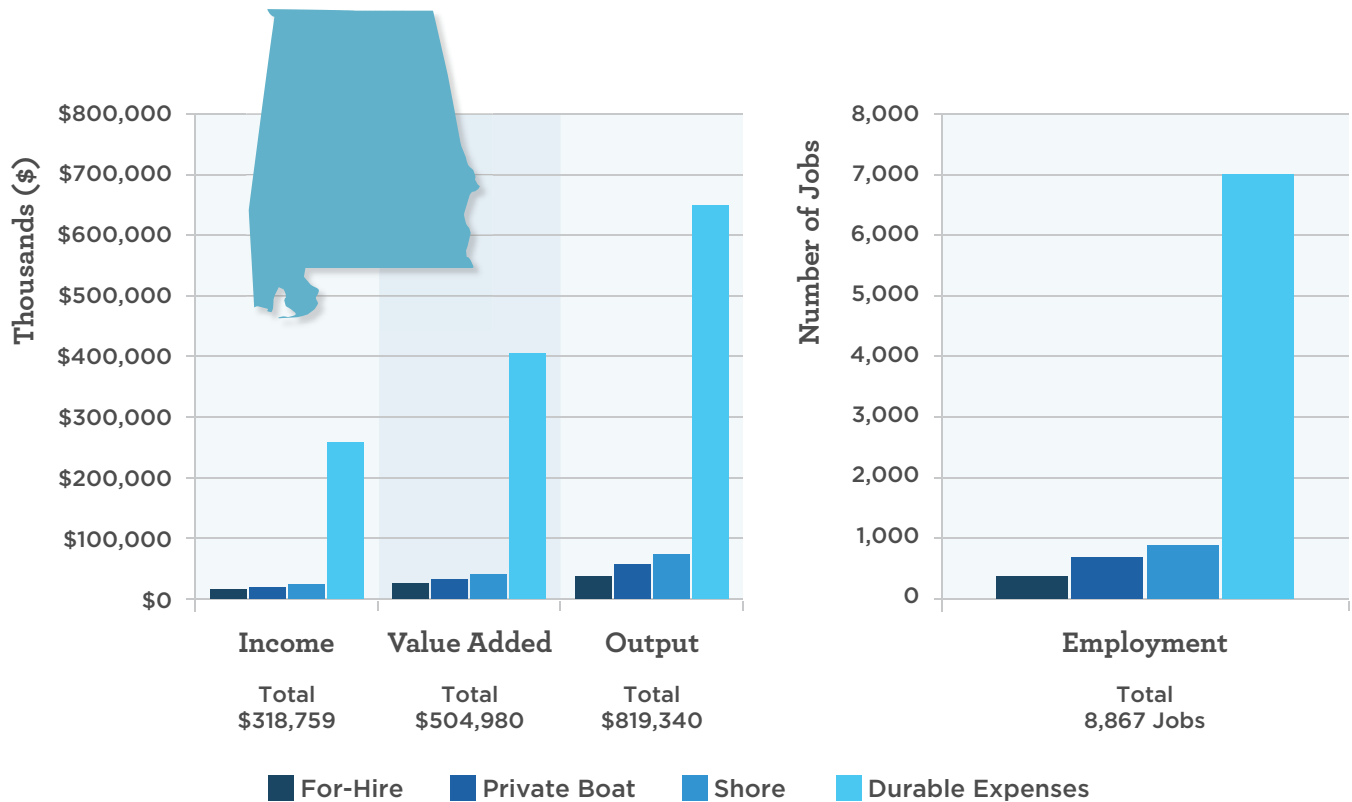


Figure 3. TOTAL ECONOMIC CONTRIBUTIONS GENERATED IN ALABAMA, 2011

Table 5. **TOTAL ECONOMIC CONTRIBUTIONS
GENERATED IN ALABAMA, 2011**

Expense Type	Fishing Mode	ECONOMIC CONTRIBUTION				
		Expense (\$1,000s)	Employment (Jobs)	Income (\$1,000s)	Value Added (\$1,000s)	Output (\$1,000s)
Trip Expenses	For-Hire	\$26,919	379	\$17,056	\$25,650	\$37,481
	Private Boat	\$58,555	654	\$18,229	\$31,845	\$58,845
	Shore	\$60,714	880	\$24,100	\$40,686	\$73,217
	All Modes	\$146,188	1,912	\$59,385	\$98,181	\$169,543
Durable Expenses		\$710,146	6,955	\$259,374	\$406,799	\$649,797
Total Expenses		\$856,334	8,867	\$318,759	\$504,980	\$819,340

Table 6. **MEAN EXPENDITURES BY MODE AND RESIDENT STATUS IN ALABAMA, 2011**

Expenditure Type	ALABAMA		RESIDENT STATUS		
	Mode	Expenditure Category	Resident	Non-Resident	All Anglers
Trip	For-Hire	Auto Fuel	\$31.06	\$92.50	\$72.66
		Auto Rental	\$0.00	\$0.00	\$0.00
		Bait	\$0.00	\$0.00	\$0.00
		Boat Rental	\$0.00	\$0.38	\$0.25
		Charter Fees	\$171.07	\$237.08	\$215.07
		Crew Tips	\$24.01	\$33.14	\$30.09
		Fish Processing	\$0.00	\$0.00	\$0.00
		Food from Grocery Stores	\$21.87	\$28.23	\$26.13
		Food from Restaurants	\$11.40	\$35.42	\$27.68
		Gifts & Souvenirs	\$0.00	\$6.88	\$4.58
		Ice	\$0.00	\$0.44	\$0.30
		Lodging	\$14.29	\$90.91	\$65.90
		Parking & Site Access	\$0.00	\$0.00	\$0.00
		Public Transportation	\$0.00	\$1.52	\$1.01
		Tournament Fees	\$0.00	\$0.00	\$0.00
		Trip Total			\$273.70

Table 6 continued on next page

Table 6
Cont'd.

MEAN EXPENDITURES BY MODE AND RESIDENT STATUS IN ALABAMA, 2011

Expenditure Type	ALABAMA		RESIDENT STATUS		
	Mode	Expenditure Category	Resident	Non-Resident	All Anglers
Trip	Private Boat	Auto Fuel	\$12.30	\$35.09	\$15.80
		Auto Rental	\$0.00	\$0.00	\$0.00
		Bait	\$6.84	\$4.84	\$6.53
		Boat Fuel	\$15.20	\$6.55	\$13.86
		Boat Rental	\$0.02	\$0.00	\$0.02
		Charter Fees	\$0.00	\$0.00	\$0.00
		Fish Processing	\$0.00	\$0.00	\$0.00
		Food from Grocery Stores	\$4.54	\$11.42	\$5.60
		Food from Restaurants	\$1.31	\$12.00	\$2.98
		Gifts & Souvenirs	\$0.00	\$1.46	\$0.23
		Ice	\$1.99	\$1.31	\$1.89
		Lodging	\$0.21	\$35.56	\$5.72
		Parking & Site Access	\$0.31	\$0.34	\$0.32
		Public Transportation	\$0.00	\$0.00	\$0.00
		Tournament Fees	\$0.00	\$0.00	\$0.00
		Trip Total			\$42.73

Table 6 continued on next page

Table 6
Cont'd.

MEAN EXPENDITURES BY MODE AND RESIDENT STATUS IN ALABAMA, 2011

Expenditure Type	ALABAMA		RESIDENT STATUS		
	Mode	Expenditure Category	Resident	Non-Resident	All Anglers
Trip		Auto Fuel	\$14.02	\$19.34	\$15.74
		Auto Rental	\$0.00	\$0.00	\$0.00
		Bait	\$4.41	\$3.81	\$4.21
		Boat Rental	\$0.00	\$0.00	\$0.00
		Fish Processing	\$0.00	\$0.32	\$0.11
		Food from Grocery Stores	\$6.82	\$9.95	\$7.84
	Shore	Food from Restaurants	\$4.17	\$13.31	\$7.22
		Gifts & Souvenirs	\$0.69	\$3.49	\$1.62
		Ice	\$0.63	\$0.55	\$0.60
		Lodging	\$6.81	\$35.38	\$16.36
		Parking & Site Access	\$2.77	\$3.83	\$3.12
		Public Transportation	\$0.00	\$0.00	\$0.00
		Tournament Fees	\$0.00	\$0.00	\$0.00
		Trip Total		\$40.33	\$89.98

Table 6 continued on next page

Table 6 **MEAN EXPENDITURES BY MODE AND RESIDENT STATUS IN**
Cont'd. **ALABAMA, 2011**

ALABAMA		RESIDENT STATUS		
Expenditure Type	Expenditure Category	Resident	Non-Resident	All Anglers
Durable	Tackle	\$190.00	\$157.53	\$174.20
	Rods & Reels	\$153.15	\$129.15	\$141.63
	Spearfishing Gear	\$0.00	\$0.00	\$0.00
	Binoculars	\$16.53	\$0.00	\$10.27
	Camping Equipment	\$11.64	\$6.69	\$9.79
	Clothing	\$22.08	\$16.22	\$19.42
	Club Dues	\$2.61	\$9.53	\$5.23
	License Fees	\$22.70	\$37.21	\$30.15
	Magazine Subscriptions	\$14.85	\$8.26	\$12.16
	Taxidermy	\$0.00	\$0.00	\$0.00
	New Boat Purchase	\$72.24	\$0.00	\$32.93
	Used Boat Purchase	\$0.00	\$0.00	\$0.00
	New Canoe Purchase	\$0.00	\$0.00	\$0.00
	Used Canoe Purchase	\$0.00	\$0.00	\$0.00
	New Accessory Purchase	\$33.45	\$2.19	\$17.75
	Used Accessory Purchase	\$0.00	\$0.00	\$0.00
	Boat Insurance	\$97.20	\$0.00	\$46.91
	Boat Maintenance	\$138.73	\$5.43	\$71.87
	Boat Registration	\$26.16	\$0.23	\$12.93
	Boat Storage	\$11.63	\$0.00	\$5.54

Table 6 continued on next page

Table 6 **MEAN EXPENDITURES BY MODE AND RESIDENT STATUS IN ALABAMA, 2011**
Cont'd.

ALABAMA		RESIDENT STATUS		
Expenditure Type	Expenditure Category	Resident	Non-Resident	All Anglers
Durable	Boat Purchase Fees	\$28.24	\$0.00	\$13.96
	New Vehicle Purchase	\$302.57	\$0.00	\$175.46
	Used Vehicle Purchase	\$9.72	\$0.00	\$5.63
	Vehicle Insurance	\$116.78	\$0.00	\$67.37
	Vehicle Maintenance	\$63.28	\$0.00	\$36.04
	Vehicle Registration	\$17.66	\$0.00	\$10.18
	Vehicle Purchase Fees	\$13.13	\$0.00	\$7.61
	New Home Purchase	\$0.00	\$0.00	\$0.00
	Second Home Insurance	\$0.00	\$0.00	\$0.00
	Second Home Maintenance	\$0.00	\$0.00	\$0.00
	Second Home Property Taxes	\$0.00	\$0.00	\$0.00
	Second Home Purchase Fees	\$0.00	\$0.00	\$0.00
	Real Estate Commissions	\$0.00	\$0.00	\$0.00
		Total Annual	\$1,364.37	\$372.45

Table 7. **TOTAL EXPENDITURES BY MODE AND RESIDENT STATUS IN ALABAMA, 2011 (\$1,000s)**

Expenditure Type	ALABAMA		RESIDENT STATUS		
	Mode	Expenditure Category	Resident	Non-Resident	All Anglers
Trip	For-Hire	Auto Fuel	\$622	\$3,767	\$4,388
		Auto Rental	\$0	\$0	\$0
		Bait	\$0	\$0	\$0
		Boat Rental	\$0	\$15	\$15
		Charter Fees	\$3,425	\$9,654	\$13,079
		Crew Tips	\$481	\$1,349	\$1,830
		Fish Processing	\$0	\$0	\$0
		Food from Grocery Stores	\$438	\$1,150	\$1,587
		Food from Restaurants	\$228	\$1,442	\$1,671
		Gifts & Souvenirs	\$0	\$280	\$280
		Ice	\$0	\$18	\$18
		Lodging	\$286	\$3,702	\$3,988
		Parking & Site Access Fees	\$0	\$0	\$0
		Public Transportation	\$0	\$62	\$62
		Tournament Fees	\$0	\$0	\$0
		For-Hire Trip Total			\$5,480

Table 7 continued on next page

Table 7
Cont'd.

TOTAL EXPENDITURES BY MODE AND RESIDENT STATUS IN ALABAMA, 2011 (\$1,000s)

Expenditure Type	ALABAMA		RESIDENT STATUS		
	Mode	Expenditure Category	Resident	Non-Resident	All Anglers
Trip	Private Boat	Auto Fuel	\$11,931	\$5,532	\$17,463
		Auto Rental	\$0	\$0	\$0
		Bait	\$6,635	\$763	\$7,398
		Boat Fuel	\$14,744	\$1,033	\$15,777
		Boat Rental	\$19	\$0	\$19
		Charter Fees	\$0	\$0	\$0
		Fish Processing	\$0	\$0	\$0
		Food from Grocery Stores	\$4,404	\$1,800	\$6,204
		Food from Restaurants	\$1,271	\$1,892	\$3,163
		Gifts & Souvenirs	\$0	\$230	\$230
		Ice	\$1,930	\$207	\$2,137
		Lodging	\$204	\$5,606	\$5,810
		Parking & Site Access Fees	\$301	\$54	\$354
		Public Transportation	\$0	\$0	\$0
		Tournament Fees	\$0	\$0	\$0
Private Boat Trip Total		\$41,439	\$17,116	\$58,555	

Table 7 continued on next page

Table 7
Cont'd.

**TOTAL EXPENDITURES BY MODE AND
RESIDENT STATUS IN ALABAMA, 2011 (\$1,000s)**

Expenditure Type	ALABAMA		RESIDENT STATUS				
	Mode	Expenditure Category	Resident	Non-Resident	All Anglers		
Trip	Shore	Auto Fuel	\$9,837	\$6,969	\$16,806		
		Auto Rental	\$0	\$0	\$0		
		Bait	\$3,094	\$1,373	\$4,467		
		Boat Rental	\$0	\$0	\$0		
		Fish Processing	\$0	\$115	\$115		
		Food from Grocery Stores	\$4,785	\$3,585	\$8,371		
		Food from Restaurants	\$2,926	\$4,796	\$7,722		
		Gifts & Souvenirs	\$484	\$1,258	\$1,742		
		Ice	\$442	\$198	\$640		
		Lodging	\$4,778	\$12,749	\$17,527		
		Parking & Site Access Fees	\$1,944	\$1,380	\$3,324		
		Public Transportation	\$0	\$0	\$0		
		Tournament Fees	\$0	\$0	\$0		
		Shore Trip Total			\$28,291	\$32,423	\$60,714
		ALL TRIP MODES TOTAL			\$75,210	\$70,978	\$146,188

Table 7 continued on next page

Table 7 **TOTAL EXPENDITURES BY MODE AND
Cont'd.** **RESIDENT STATUS IN ALABAMA, 2011 (\$1,000s)**

ALABAMA		RESIDENT STATUS		
Expenditure Type	Expenditure Category	Resident	Non-Resident	All Anglers
Durable	Tackle	\$80,795	\$54,973	\$135,769
	Rods & Reels	\$65,125	\$45,070	\$110,195
	Spearfishing Gear	\$0	\$0	\$0
	Binoculars	\$7,029	\$0	\$7,029
	Camping Equipment	\$4,950	\$2,335	\$7,284
	Clothing	\$9,389	\$5,660	\$15,050
	Club Dues	\$1,110	\$3,326	\$4,436
	License Fees	\$9,653	\$12,985	\$22,638
	Magazine Subscriptions	\$6,315	\$2,883	\$9,197
	Taxidermy	\$0	\$0	\$0
	New Boat Purchase	\$30,719	\$0	\$30,719
	Used Boat Purchase	\$0	\$0	\$0
	New Canoe Purchase	\$0	\$0	\$0
	Used Canoe Purchase	\$0	\$0	\$0
	New Accessory Purchase	\$14,224	\$764	\$14,988
	Used Accessory Purchase	\$0	\$0	\$0
	Boat Insurance	\$41,333	\$0	\$41,333
	Boat Maintenance	\$58,993	\$1,895	\$60,888
	Boat Registration	\$11,124	\$80	\$11,205
	Boat Storage	\$4,946	\$0	\$4,946

Table 7 continued on next page

Table 7 **TOTAL EXPENDITURES BY MODE AND RESIDENT STATUS IN ALABAMA, 2011 (\$1,000s)**
 Cont'd.

ALABAMA		RESIDENT STATUS			
Expenditure Type	Expenditure Category	Resident	Non-Resident	All Anglers	
Durable	Boat Purchase Fees	\$12,009	\$0	\$12,009	
	New Vehicle Purchase	\$128,665	\$0	\$128,665	
	Used Vehicle Purchase	\$4,133	\$0	\$4,133	
	Vehicle Insurance	\$49,659	\$0	\$49,659	
	Vehicle Maintenance	\$26,909	\$0	\$26,909	
	Vehicle Registration	\$7,510	\$0	\$7,510	
	Vehicle Purchase Fees	\$5,583	\$0	\$5,583	
	New Home Purchase	\$0	\$0	\$0	
	Second Home Insurance	\$0	\$0	\$0	
	Second Home Maintenance	\$0	\$0	\$0	
	Second Home Property Taxes	\$0	\$0	\$0	
	Second Home Purchase Fees	\$0	\$0	\$0	
	Real Estate Commissions	\$0	\$0	\$0	
	Total Annual		\$580,175	\$129,971	\$710,146
	TRIP AND DURABLE GRAND TOTAL		\$655,385	\$200,949	\$856,334

WEST FLORIDA



Total angler expenditures on marine recreational fishing in West Florida were \$5.5 billion in 2011. Trip expenditures were \$623 million, and expenditures on durable goods were \$4.9 billion. Marine angling trip expenditures were 11% of total angling expenditures, and durable good expenditures were the remaining 89%. For-hire fishing trip expenditures totaled \$187 million, private boat trip expenditures totaled \$283 million, and shore fishing trips totaled \$152 million. Mean trip expenditures by residents were \$279.66 on for-hire fishing trips, \$36.49 on private boat trips, and \$16.13 for shore trips. Non-resident mean trip expenditures were \$442.18, \$68.06, and \$71.35, respectively. Residents spent \$296 million on trip expenses: \$29 million on for-hire trips, \$211 million on private boat trips, and \$56 million on shore trips. Non-residents spent \$327 million on trip expenses: \$158 million on for-hire trips, \$72 million on private boat trips, and \$97 million on shore trips. Resident spending on durable goods purchased in West Florida totaled \$4.3 billion; non-resident spending on durable goods totaled \$551 million. Marine recreational fishing in West Florida contributed 66 thousand jobs to the state’s economy and generated \$8.1 billion in output (sales), \$4.6 billion to the state’s gross domestic product, and \$3 billion in income. Trip expenditures generated approximately 8.3 thousand jobs, and durable expenses generated 58 thousand jobs. Marine angling trip expenditures supported 13% of total employment, and durable expenditures supported the remaining 87%.

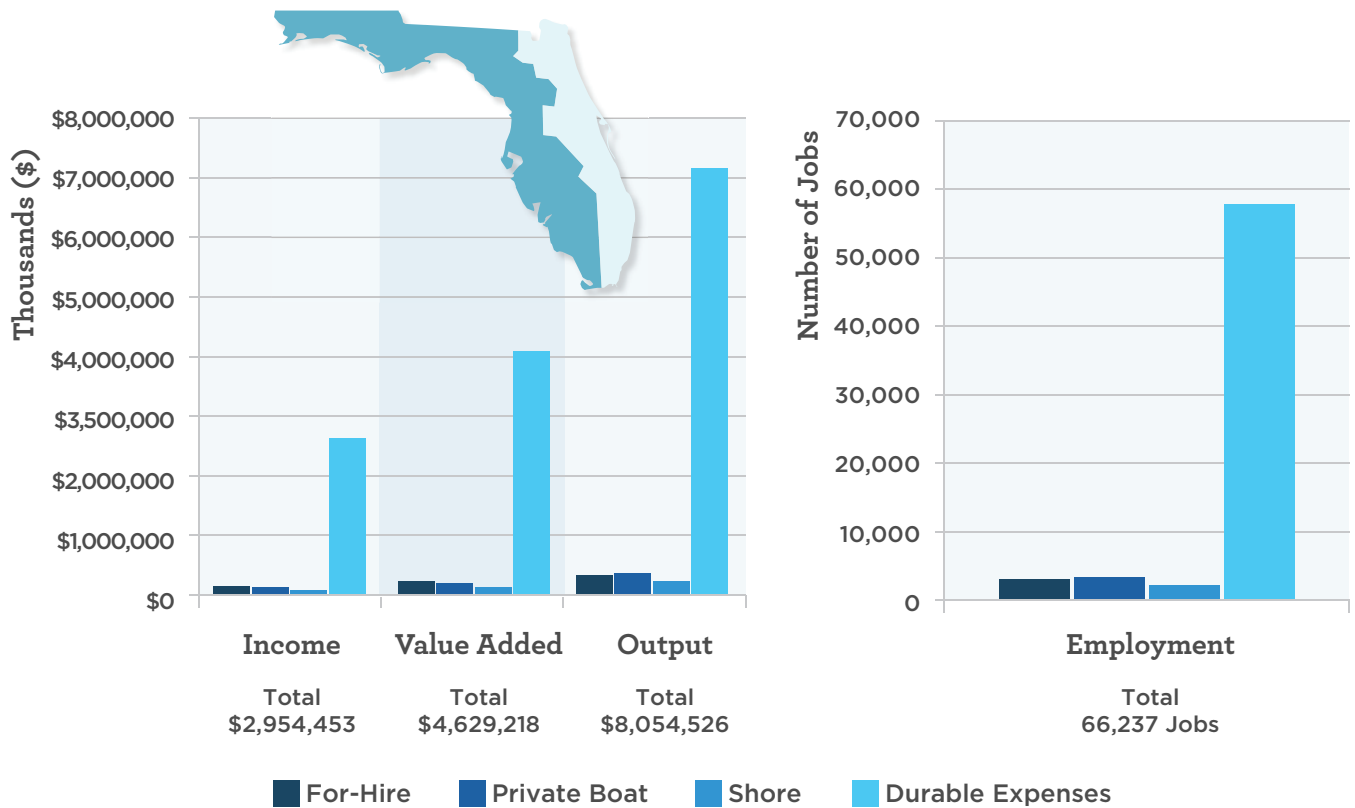


Figure 4. **TOTAL ECONOMIC CONTRIBUTIONS GENERATED IN WEST FLORIDA, 2011**

Table 8. **TOTAL ECONOMIC CONTRIBUTIONS GENERATED IN WEST FLORIDA, 2011**

		ECONOMIC CONTRIBUTION				
Expense Type	Fishing Mode	Expense (\$1,000s)	Employment (Jobs)	Income (\$1,000s)	Value Added (\$1,000s)	Output (\$1,000s)
Trip Expenses	For-Hire	\$187,491	2,988	\$143,326	\$218,883	\$327,398
	Private Boat	\$283,489	3,206	\$117,674	\$202,691	\$357,950
	Shore	\$152,390	2,144	\$73,788	\$124,007	\$222,503
	All Modes	\$623,370	8,338	\$334,788	\$545,581	\$907,852
Durable Expenses		\$4,871,325	57,899	\$2,619,665	\$4,083,637	\$7,146,674
Total Expenses		\$5,494,695	66,237	\$2,954,453	\$4,629,218	\$8,054,526

Table 9. **MEAN EXPENDITURES BY MODE AND RESIDENT STATUS IN WEST FLORIDA, 2011**

Expenditure Type	WEST FLORIDA		RESIDENT STATUS		
	Mode	Expenditure Category	Resident	Non-Resident	All Anglers
Trip	For-Hire	Auto Fuel	\$15.03	\$46.60	\$36.14
		Auto Rental	\$0.00	\$23.10	\$15.49
		Bait	\$0.00	\$0.07	\$0.04
		Boat Rental	\$0.00	\$0.13	\$0.09
		Charter Fees	\$208.65	\$205.93	\$206.83
		Crew Tips	\$16.76	\$24.40	\$21.87
		Fish Processing	\$0.00	\$0.14	\$0.09
		Food from Grocery Stores	\$10.70	\$12.93	\$12.19
		Food from Restaurants	\$13.97	\$30.94	\$25.42
		Gifts & Souvenirs	\$0.75	\$14.19	\$9.76
		Ice	\$0.07	\$0.07	\$0.07
		Lodging	\$11.30	\$52.36	\$38.98
		Parking & Site Access	\$0.08	\$0.16	\$0.13
		Public Transportation	\$0.46	\$31.16	\$21.13
		Tournament Fees	\$0.00	\$0.00	\$0.00
		Trip Total			\$279.66*

Table 9 continued on next page

*Also includes additional boat fuel expenditures

Table 9
Cont'd.

MEAN EXPENDITURES BY MODE AND RESIDENT STATUS IN WEST FLORIDA, 2011

Expenditure Type	WEST FLORIDA		RESIDENT STATUS		
	Mode	Expenditure Category	Resident	Non-Resident	All Anglers
Trip	Private Boat	Auto Fuel	\$7.75	\$21.53	\$9.06
		Auto Rental	\$0.00	\$0.16	\$0.02
		Bait	\$4.51	\$5.45	\$4.60
		Boat Fuel	\$16.23	\$12.58	\$15.88
		Boat Rental	\$0.00	\$0.25	\$0.02
		Charter Fees	\$0.00	\$0.00	\$0.00
		Fish Processing	\$0.00	\$0.00	\$0.00
		Food from Grocery Stores	\$4.65	\$6.65	\$4.84
		Food from Restaurants	\$1.16	\$8.71	\$1.88
		Gifts & Souvenirs	\$0.00	\$0.47	\$0.04
		Ice	\$0.91	\$0.92	\$0.91
		Lodging	\$0.00	\$7.75	\$0.74
		Parking & Site Access	\$1.27	\$0.91	\$1.23
		Public Transportation	\$0.00	\$2.66	\$0.25
		Tournament Fees	\$0.00	\$0.00	\$0.00
		Trip Total			\$36.49

Table 9 continued on next page

Table 9
Cont'd.

MEAN EXPENDITURES BY MODE AND RESIDENT STATUS IN WEST FLORIDA, 2011

Expenditure Type	WEST FLORIDA		RESIDENT STATUS		
	Mode	Expenditure Category	Resident	Non-Resident	All Anglers
Trip		Auto Fuel	\$6.11	\$23.45	\$8.93
		Auto Rental	\$0.00	\$1.27	\$0.20
		Bait	\$3.99	\$4.22	\$4.02
		Boat Rental	\$0.00	\$0.00	\$0.00
		Fish Processing	\$0.00	\$0.00	\$0.00
		Food from Grocery Stores	\$2.78	\$7.02	\$3.46
	Shore	Food from Restaurants	\$1.04	\$11.79	\$2.78
		Gifts & Souvenirs	\$0.00	\$1.42	\$0.23
		Ice	\$0.29	\$0.16	\$0.27
		Lodging	\$0.00	\$15.37	\$2.48
		Parking & Site Access	\$1.92	\$2.19	\$1.96
		Public Transportation	\$0.00	\$4.46	\$0.72
		Tournament Fees	\$0.00	\$0.00	\$0.00
		Trip Total		\$16.13	\$71.35

Table 9 continued on next page

Table 9 **MEAN EXPENDITURES BY MODE AND RESIDENT STATUS IN WEST FLORIDA, 2011**
Cont'd.

WEST FLORIDA		RESIDENT STATUS		
Expenditure Type	Expenditure Category	Resident	Non-Resident	All Anglers
Durable	Tackle	\$170.52	\$51.88	\$127.24
	Rods & Reels	\$221.51	\$47.01	\$157.92
	Spearfishing Gear	\$0.00	\$0.00	\$0.00
	Binoculars	\$9.19	\$1.09	\$6.37
	Camping Equipment	\$39.57	\$0.75	\$25.64
	Clothing	\$50.05	\$15.90	\$37.80
	Club Dues	\$5.84	\$0.41	\$3.94
	License Fees	\$33.87	\$37.92	\$35.31
	Magazine Subscriptions	\$15.45	\$1.87	\$10.63
	Taxidermy	\$0.00	\$0.02	\$0.01
	New Boat Purchase	\$987.28	\$69.43	\$656.80
	Used Boat Purchase	\$41.58	\$63.10	\$49.33
	New Canoe Purchase	\$3.80	\$0.00	\$2.42
	Used Canoe Purchase	\$0.00	\$0.00	\$0.00
	New Accessory Purchase	\$182.56	\$12.13	\$121.79
	Used Accessory Purchase	\$0.04	\$0.00	\$0.03
	Boat Insurance	\$142.75	\$7.76	\$94.62
	Boat Maintenance	\$422.15	\$7.61	\$274.93
	Boat Registration	\$55.56	\$1.41	\$36.32
	Boat Storage	\$105.66	\$6.38	\$69.90

Table 9 continued on next page

Table 9 **MEAN EXPENDITURES BY MODE AND RESIDENT STATUS IN WEST FLORIDA, 2011**
Cont'd.

WEST FLORIDA		RESIDENT STATUS		
Expenditure Type	Expenditure Category	Resident	Non-Resident	All Anglers
Durable	Boat Purchase Fees	\$33.90	\$20.85	\$29.20
	New Vehicle Purchase	\$211.78	\$0.00	\$138.08
	Used Vehicle Purchase	\$25.20	\$0.00	\$16.43
	Vehicle Insurance	\$49.61	\$2.11	\$33.07
	Vehicle Maintenance	\$27.57	\$1.24	\$18.45
	Vehicle Registration	\$7.30	\$1.06	\$5.13
	Vehicle Purchase Fees	\$13.72	\$0.00	\$8.95
	New Home Purchase	\$340.78	\$0.00	\$222.35
	Second Home Insurance	\$0.00	\$12.93	\$4.47
	Second Home Maintenance	\$0.00	\$13.73	\$4.76
	Second Home Property Taxes	\$7.24	\$4.60	\$6.32
	Second Home Purchase Fees	\$20.62	\$13.31	\$18.08
	Real Estate Commissions	\$43.84	\$25.10	\$37.33
		Total Annual	\$3,268.95	\$419.58

Table 10. **TOTAL EXPENDITURES BY MODE AND RESIDENT STATUS IN WEST FLORIDA, 2011 (\$1,000s)**

Expenditure Type	WEST FLORIDA		RESIDENT STATUS		
	Mode	Expenditure Category	Resident	Non-Resident	All Anglers
Trip		Auto Fuel	\$1,568	\$16,684	\$18,252
		Auto Rental	\$0	\$8,270	\$8,270
		Bait	\$0	\$25	\$25
		Boat Rental	\$0	\$47	\$47
		Charter Fees	\$21,773	\$73,727	\$95,500
		Crew Tips	\$1,749	\$8,736	\$10,485
		Fish Processing	\$0	\$50	\$50
		Food from Grocery Stores	\$1,117	\$4,629	\$5,746
	For-Hire	Food from Restaurants	\$1,458	\$11,077	\$12,535
		Gifts & Souvenirs	\$78	\$5,080	\$5,159
		Ice	\$7	\$25	\$32
		Lodging	\$1,179	\$18,746	\$19,925
		Parking & Site Access Fees	\$8	\$57	\$66
		Public Transportation	\$48	\$11,156	\$11,204
		Tournament Fees	\$0	\$0	\$0
		For-Hire Trip Total		\$29,181*	\$158,309

Table 10 continued on next page

*Also includes additional boat fuel expenditures

Table 10
Cont'd.

TOTAL EXPENDITURES BY MODE AND RESIDENT STATUS IN WEST FLORIDA, 2011 (\$1,000s)

Expenditure Type	WEST FLORIDA		RESIDENT STATUS		
	Mode	Expenditure Category	Resident	Non-Resident	All Anglers
Trip	Private Boat	Auto Fuel	\$44,925	\$22,791	\$67,715
		Auto Rental	\$0	\$169	\$169
		Bait	\$26,143	\$5,769	\$31,912
		Boat Fuel	\$94,081	\$13,317	\$107,398
		Boat Rental	\$0	\$265	\$265
		Charter Fees	\$0	\$0	\$0
		Fish Processing	\$0	\$0	\$0
		Food from Grocery Stores	\$26,955	\$7,039	\$33,994
		Food from Restaurants	\$6,724	\$9,220	\$15,944
		Gifts & Souvenirs	\$0	\$498	\$498
		Ice	\$5,275	\$974	\$6,249
		Lodging	\$0	\$8,204	\$8,204
		Parking & Site Access Fees	\$7,362	\$963	\$8,325
		Public Transportation	\$0	\$2,816	\$2,816
		Tournament Fees	\$0	\$0	\$0
Private Boat Trip Total		\$211,465	\$72,024	\$283,489	

Table 10 continued on next page

Table 10
Cont'd.

TOTAL EXPENDITURES BY MODE AND RESIDENT STATUS IN WEST FLORIDA, 2011 (\$1,000s)

Expenditure Type	WEST FLORIDA		RESIDENT STATUS				
	Mode	Expenditure Category	Resident	Non-Resident	All Anglers		
Trip	Shore	Auto Fuel	\$21,094	\$31,783	\$52,876		
		Auto Rental	\$0	\$1,721	\$1,721		
		Bait	\$13,775	\$5,720	\$19,494		
		Boat Rental	\$0	\$0	\$0		
		Fish Processing	\$0	\$0	\$0		
		Food from Grocery Stores	\$9,597	\$9,514	\$19,112		
		Food from Restaurants	\$3,590	\$15,979	\$19,570		
		Gifts & Souvenirs	\$0	\$1,925	\$1,925		
		Ice	\$1,001	\$217	\$1,218		
		Lodging	\$0	\$20,832	\$20,832		
		Parking & Site Access Fees	\$6,628	\$2,968	\$9,597		
		Public Transportation	\$0	\$6,045	\$6,045		
		Tournament Fees	\$0	\$0	\$0		
		Shore Trip Total			\$55,686	\$96,703	\$152,390
		ALL TRIP MODES TOTAL			\$296,332	\$327,036	\$623,370

Table 10 continued on next page

Table 10 **TOTAL EXPENDITURES BY MODE AND RESIDENT STATUS IN WEST FLORIDA, 2011 (\$1,000s)**
Cont'd.

WEST FLORIDA		RESIDENT STATUS		
Expenditure Type	Expenditure Category	Resident	Non-Resident	All Anglers
Durable	Tackle	\$225,373	\$68,105	\$293,478
	Rods & Reels	\$292,766	\$61,712	\$354,478
	Spearfishing Gear	\$0	\$0	\$0
	Binoculars	\$12,146	\$1,431	\$13,577
	Camping Equipment	\$52,299	\$985	\$53,284
	Clothing	\$66,150	\$20,872	\$87,023
	Club Dues	\$7,719	\$538	\$8,257
	License Fees	\$44,765	\$49,779	\$94,544
	Magazine Subscriptions	\$20,420	\$2,455	\$22,875
	Taxidermy	\$0	\$26	\$26
	New Boat Purchase	\$1,304,871	\$91,143	\$1,396,014
	Used Boat Purchase	\$54,956	\$82,833	\$137,789
	New Canoe Purchase	\$5,022	\$0	\$5,022
	Used Canoe Purchase	\$0	\$0	\$0
	New Accessory Purchase	\$241,286	\$15,923	\$257,210
	Used Accessory Purchase	\$53	\$0	\$53
	Boat Insurance	\$188,670	\$10,187	\$198,857
	Boat Maintenance	\$557,948	\$9,990	\$567,938
	Boat Registration	\$73,433	\$1,851	\$75,284
	Boat Storage	\$139,649	\$8,375	\$148,024

Table 10 continued on next page

Table 10 **TOTAL EXPENDITURES BY MODE AND RESIDENT STATUS IN WEST FLORIDA, 2011 (\$1,000s)**
 Cont'd.

WEST FLORIDA		RESIDENT STATUS		
Expenditure Type	Expenditure Category	Resident	Non-Resident	All Anglers
Durable	Boat Purchase Fees	\$44,805	\$27,370	\$72,176
	New Vehicle Purchase	\$279,906	\$0	\$279,906
	Used Vehicle Purchase	\$33,306	\$0	\$33,306
	Vehicle Insurance	\$65,569	\$2,770	\$68,339
	Vehicle Maintenance	\$36,439	\$1,628	\$38,067
	Vehicle Registration	\$9,648	\$1,391	\$11,040
	Vehicle Purchase Fees	\$18,133	\$0	\$18,133
	New Home Purchase	\$450,403	\$0	\$450,403
	Second Home Insurance	\$0	\$16,974	\$16,974
	Second Home Maintenance	\$0	\$18,024	\$18,024
	Second Home Property Taxes	\$9,569	\$6,039	\$15,608
	Second Home Purchase Fees	\$27,253	\$17,472	\$44,726
	Real Estate Commissions	\$57,943	\$32,950	\$90,892
		Total Annual	\$4,320,502	\$550,823
TRIP AND DURABLE GRAND TOTAL		\$4,616,834	\$877,859	\$5,494,695

LOUISIANA



Total angler expenditures on marine recreational fishing in Louisiana were \$1.9 billion in 2011. Trip expenditures were \$261 million, and expenditures on durable goods were \$1.6 billion. Marine angling trip expenditures were 14% of total angling expenditures, and durable good expenditures were the remaining 86%. For-hire fishing trip expenditures totaled \$33 million, private boat trip expenditures totaled \$181 million, and shore fishing trips totaled \$47 million. Mean trip expenditures by residents trips were \$268 on for-hire fishing, \$55.88 on private boat trips, and \$43.46 for shore trips. Non-resident mean trip expenditures were \$324.54, \$72.86, and \$66.98 respectively. Residents spent \$218 million on trip expenses: \$12 million on for-hire trips, \$164 million on private boat trips, and \$42 million on shore trips. Non-residents spent \$43 million on trip expenses: \$21 million on for-hire trips, \$17 million on private boat trips, and \$4.5 million on shore trips. Resident spending on durable goods purchased in Louisiana totaled \$1.6 billion; non-resident spending on durable goods totaled \$20 million. Marine recreational fishing in Louisiana contributed 18 thousand jobs to the state’s economy and generated \$2.1 billion in output (sales), \$1.2 billion to the state’s gross domestic product, and \$759 million in income. Trip expenditures generated approximately 2.7 thousand jobs, and durable expenses generated 15 thousand jobs. Marine angling trip expenditures supported 15% of total employment, and durable expenditures supported the remaining 85%.

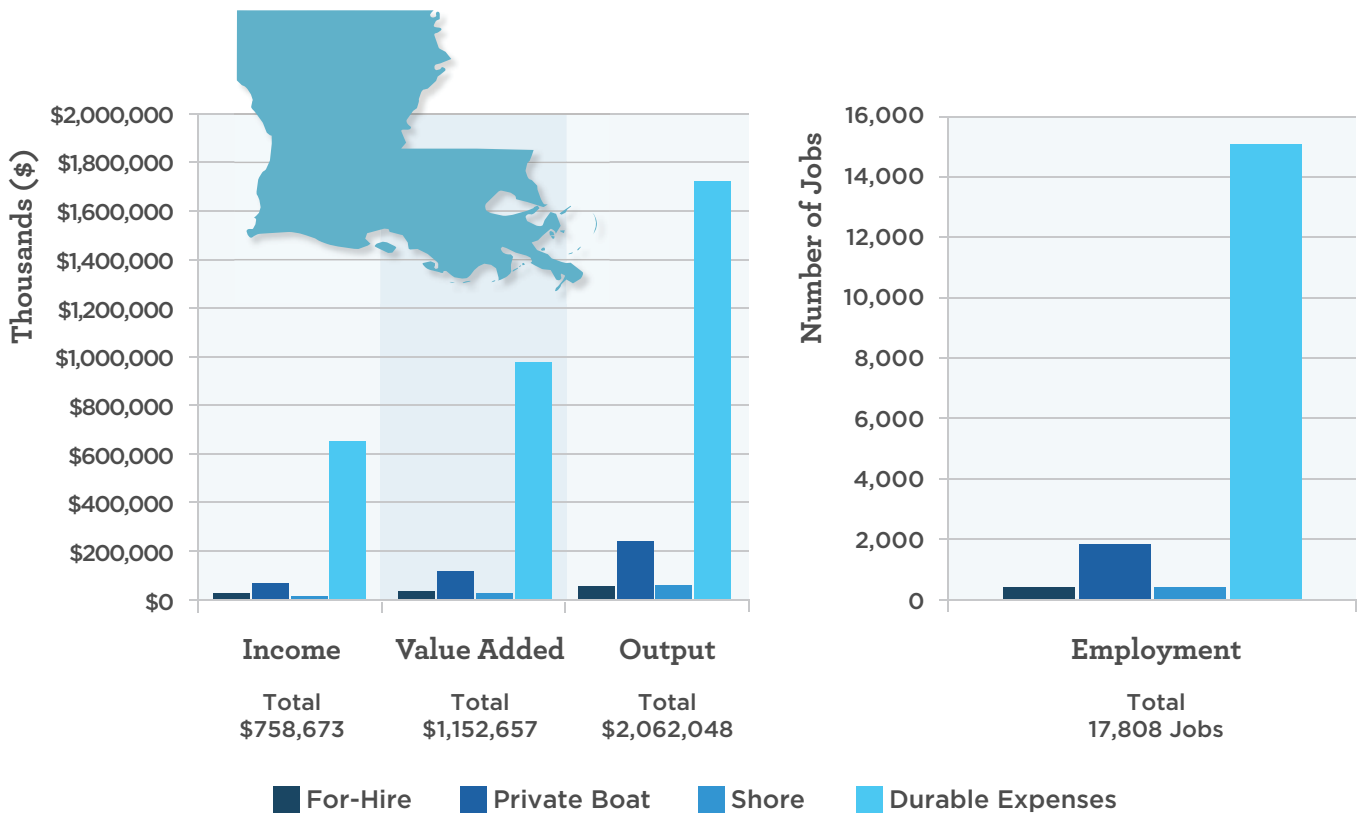


Figure 5. TOTAL ECONOMIC CONTRIBUTIONS GENERATED IN LOUISIANA, 2011

Table 11. **TOTAL ECONOMIC CONTRIBUTIONS GENERATED IN LOUISIANA, 2011**

		ECONOMIC CONTRIBUTION				
Expense Type	Fishing Mode	Expense (\$1,000s)	Employment (Jobs)	Income (\$1,000s)	Value Added (\$1,000s)	Output (\$1,000s)
Trip Expenses	For-Hire	\$33,305	415	\$24,468	\$35,528	\$51,668
	Private Boat	\$181,222	1,838	\$64,456	\$111,165	\$231,334
	Shore	\$46,567	474	\$15,390	\$26,710	\$57,347
	All Modes	\$261,093	2,727	\$104,314	\$173,403	\$340,349
Durable Expenses		\$1,618,377	15,081	\$654,359	\$979,254	\$1,721,699
Total Expenses		\$1,879,471	17,808	\$758,673	\$1,152,657	\$2,062,048

Table 12. **MEAN EXPENDITURES BY MODE AND RESIDENT STATUS IN LOUISIANA, 2011**

Expenditure Type	LOUISIANA		RESIDENT STATUS		
	Mode	Expenditure Category	Resident	Non-Resident	All Anglers
Trip	For-Hire	Auto Fuel	\$21.76	\$26.04	\$24.43
		Auto Rental	\$0.00	\$0.86	\$0.54
		Bait	\$0.86	\$0.50	\$0.63
		Boat Rental	\$0.00	\$0.00	\$0.00
		Charter Fees	\$187.70	\$210.92	\$202.22
		Crew Tips	\$12.35	\$14.04	\$13.40
		Fish Processing	\$0.00	\$0.00	\$0.00
		Food from Grocery Stores	\$17.42	\$10.15	\$12.84
		Food from Restaurants	\$10.88	\$16.21	\$14.23
		Gifts & Souvenirs	\$0.03	\$0.05	\$0.04
		Ice	\$0.25	\$0.01	\$0.10
		Lodging	\$16.75	\$34.56	\$27.93
		Parking & Site Access	\$0.00	\$0.00	\$0.00
		Public Transportation	\$0.00	\$11.19	\$6.98
		Tournament Fees	\$0.00	\$0.00	\$0.00
		Trip Total			\$268.00

Table 12 continued on next page

Table 12
Cont'd.

MEAN EXPENDITURES BY MODE AND RESIDENT STATUS IN LOUISIANA, 2011

Expenditure Type	LOUISIANA		RESIDENT STATUS		
	Mode	Expenditure Category	Resident	Non-Resident	All Anglers
Trip	Private Boat	Auto Fuel	\$17.41	\$22.27	\$17.74
		Auto Rental	\$0.00	\$0.00	\$0.00
		Bait	\$5.60	\$5.21	\$5.57
		Boat Fuel	\$17.29	\$10.93	\$16.86
		Boat Rental	\$0.00	\$0.00	\$0.00
		Charter Fees	\$0.00	\$0.00	\$0.00
		Fish Processing	\$0.00	\$0.00	\$0.00
		Food from Grocery Stores	\$7.91	\$9.55	\$8.02
		Food from Restaurants	\$1.82	\$4.76	\$2.02
		Gifts & Souvenirs	\$0.00	\$0.00	\$0.00
		Ice	\$2.18	\$1.50	\$2.13
		Lodging	\$1.02	\$16.72	\$2.10
		Parking & Site Access	\$2.66	\$1.82	\$2.60
		Public Transportation	\$0.00	\$0.10	\$0.01
		Tournament Fees	\$0.00	\$0.00	\$0.00
		Trip Total			\$55.88

Table 12 continued on next page

Table 12
Cont'd.

MEAN EXPENDITURES BY MODE AND RESIDENT STATUS IN LOUISIANA, 2011

Expenditure Type	LOUISIANA		RESIDENT STATUS		
	Mode	Expenditure Category	Resident	Non-Resident	All Anglers
Trip		Auto Fuel	\$21.16	\$38.38	\$22.19
		Auto Rental	\$0.00	\$0.00	\$0.00
		Bait	\$5.61	\$2.13	\$5.40
		Boat Rental	\$0.00	\$0.00	\$0.00
		Fish Processing	\$0.00	\$0.00	\$0.00
		Food from Grocery Stores	\$12.28	\$11.73	\$12.25
	Shore	Food from Restaurants	\$1.17	\$4.26	\$1.34
		Gifts & Souvenirs	\$0.00	\$0.00	\$0.00
		Ice	\$2.12	\$0.77	\$2.04
		Lodging	\$1.06	\$8.06	\$1.44
		Parking & Site Access	\$0.05	\$0.00	\$0.05
		Public Transportation	\$0.00	\$1.64	\$0.10
		Tournament Fees	\$0.00	\$0.00	\$0.00
	Trip Total		\$43.46	\$66.98	\$44.81

Table 12 continued on next page

Table 12 **MEAN EXPENDITURES BY MODE AND RESIDENT STATUS IN LOUISIANA, 2011**
Cont'd.

LOUISIANA		RESIDENT STATUS		
Expenditure Type	Expenditure Category	Resident	Non-Resident	All Anglers
Durable	Tackle	\$132.71	\$29.64	\$111.42
	Rods & Reels	\$203.77	\$14.37	\$164.81
	Spearfishing Gear	\$0.00	\$0.00	\$0.00
	Binoculars	\$6.28	\$0.00	\$4.93
	Camping Equipment	\$25.48	\$0.86	\$19.93
	Clothing	\$42.10	\$3.28	\$33.38
	Club Dues	\$8.96	\$0.00	\$6.99
	License Fees	\$17.06	\$31.64	\$20.25
	Magazine Subscriptions	\$12.37	\$1.54	\$9.91
	Taxidermy	\$0.01	\$0.70	\$0.16
	New Boat Purchase	\$884.75	\$25.87	\$690.78
	Used Boat Purchase	\$7.73	\$0.00	\$5.99
	New Canoe Purchase	\$2.74	\$0.00	\$2.11
	Used Canoe Purchase	\$0.00	\$0.00	\$0.00
	New Accessory Purchase	\$90.38	\$0.00	\$70.05
	Used Accessory Purchase	\$0.00	\$0.00	\$0.00
	Boat Insurance	\$107.21	\$0.00	\$83.00
	Boat Maintenance	\$161.89	\$0.00	\$124.99
	Boat Registration	\$20.57	\$0.00	\$15.93
	Boat Storage	\$40.70	\$2.98	\$32.23

Table 12 continued on next page

Table 12 **MEAN EXPENDITURES BY MODE AND RESIDENT STATUS IN LOUISIANA, 2011**
Cont'd.

LOUISIANA		RESIDENT STATUS		
Expenditure Type	Expenditure Category	Resident	Non-Resident	All Anglers
Durable	Boat Purchase Fees	\$54.06	\$1.35	\$42.16
	New Vehicle Purchase	\$157.60	\$0.00	\$123.43
	Used Vehicle Purchase	\$71.87	\$0.00	\$56.29
	Vehicle Insurance	\$35.52	\$0.00	\$27.65
	Vehicle Maintenance	\$19.64	\$0.00	\$15.34
	Vehicle Registration	\$2.11	\$0.00	\$1.65
	Vehicle Purchase Fees	\$25.54	\$0.00	\$20.00
	New Home Purchase	\$98.06	\$0.00	\$76.81
	Second Home Insurance	\$0.02	\$0.00	\$0.01
	Second Home Maintenance	\$0.22	\$0.00	\$0.17
	Second Home Property Taxes	\$1.41	\$0.00	\$1.10
	Second Home Purchase Fees	\$12.90	\$0.00	\$10.10
	Real Estate Commissions	\$16.47	\$0.00	\$12.90
		Total Annual	\$2,260.14	\$112.23

Table 13. **TOTAL EXPENDITURES BY MODE AND RESIDENT STATUS IN LOUISIANA, 2011 (\$1,000s)**

Expenditure Type	LOUISIANA		RESIDENT STATUS				
	Mode	Expenditure Category	Resident	Non-Resident	All Anglers		
Trip	For-Hire	Auto Fuel	\$1,001	\$1,683	\$2,684		
		Auto Rental	\$0	\$56	\$56		
		Bait	\$40	\$32	\$72		
		Boat Rental	\$0	\$0	\$0		
		Charter Fees	\$8,635	\$13,632	\$22,268		
		Crew Tips	\$568	\$907	\$1,476		
		Fish Processing	\$0	\$0	\$0		
		Food from Grocery Stores	\$801	\$656	\$1,457		
		Food from Restaurants	\$501	\$1,048	\$1,548		
		Gifts & Souvenirs	\$1	\$3	\$5		
		Ice	\$12	\$1	\$12		
		Lodging	\$771	\$2,234	\$3,004		
		Parking & Site Access Fees	\$0	\$0	\$0		
		Public Transportation	\$0	\$723	\$723		
		Tournament Fees	\$0	\$0	\$0		
		For-Hire Trip Total			\$12,330	\$20,975	\$33,305

Table 13 continued on next page

Table 13
Cont'd.

TOTAL EXPENDITURES BY MODE AND RESIDENT STATUS IN LOUISIANA, 2011 (\$1,000s)

Expenditure Type	LOUISIANA		RESIDENT STATUS			
	Mode	Expenditure Category	Resident	Non-Resident	All Anglers	
Trip	Private Boat	Auto Fuel	\$51,021	\$5,329	\$56,349	
		Auto Rental	\$0	\$0	\$0	
		Bait	\$16,411	\$1,247	\$17,658	
		Boat Fuel	\$50,669	\$2,615	\$53,284	
		Boat Rental	\$0	\$0	\$0	
		Charter Fees	\$0	\$0	\$0	
		Fish Processing	\$0	\$0	\$0	
		Food from Grocery Stores	\$23,181	\$2,285	\$25,466	
		Food from Restaurants	\$5,334	\$1,139	\$6,473	
		Gifts & Souvenirs	\$0	\$0	\$0	
		Ice	\$6,389	\$359	\$6,747	
		Lodging	\$2,989	\$4,001	\$6,990	
		Parking & Site Access Fees	\$7,795	\$435	\$8,231	
		Public Transportation	\$0	\$24	\$24	
		Tournament Fees	\$0	\$0	\$0	
		Private Boat Trip Total		\$163,788	\$17,434	\$181,222

Table 13 continued on next page

Table 13
Cont'd.

TOTAL EXPENDITURES BY MODE AND RESIDENT STATUS IN LOUISIANA, 2011 (\$1,000s)

Expenditure Type	LOUISIANA		RESIDENT STATUS				
	Mode	Expenditure Category	Resident	Non-Resident	All Anglers		
Trip	Shore	Auto Fuel	\$20,470	\$2,599	\$23,068		
		Auto Rental	\$0	\$0	\$0		
		Bait	\$5,427	\$144	\$5,571		
		Boat Rental	\$0	\$0	\$0		
		Fish Processing	\$0	\$0	\$0		
		Food from Grocery Stores	\$11,879	\$794	\$12,674		
		Food from Restaurants	\$1,132	\$288	\$1,420		
		Gifts & Souvenirs	\$0	\$0	\$0		
		Ice	\$2,051	\$52	\$2,103		
		Lodging	\$1,025	\$546	\$1,571		
		Parking & Site Access Fees	\$48	\$0	\$48		
		Public Transportation	\$0	\$111	\$111		
		Tournament Fees	\$0	\$0	\$0		
		Shore Trip Total			\$42,032	\$4,535	\$46,567
		ALL TRIP MODES TOTAL			\$218,150	\$42,944	\$261,094

Table 13 continued on next page

Table 13 **TOTAL EXPENDITURES BY MODE AND RESIDENT STATUS IN LOUISIANA, 2011 (\$1,000s)**
Cont'd.

LOUISIANA		RESIDENT STATUS		
Expenditure Type	Expenditure Category	Resident	Non-Resident	All Anglers
Durable	Tackle	\$93,878	\$5,171	\$99,049
	Rods & Reels	\$144,145	\$2,507	\$146,652
	Spearfishing Gear	\$0	\$0	\$0
	Binoculars	\$4,442	\$0	\$4,442
	Camping Equipment	\$18,024	\$150	\$18,174
	Clothing	\$29,781	\$572	\$30,353
	Club Dues	\$6,338	\$0	\$6,338
	License Fees	\$12,068	\$5,520	\$17,588
	Magazine Subscriptions	\$8,750	\$269	\$9,019
	Taxidermy	\$7	\$122	\$129
	New Boat Purchase	\$625,865	\$4,513	\$630,378
	Used Boat Purchase	\$5,468	\$0	\$5,468
	New Canoe Purchase	\$1,938	\$0	\$1,938
	Used Canoe Purchase	\$0	\$0	\$0
	New Accessory Purchase	\$63,934	\$0	\$63,934
	Used Accessory Purchase	\$0	\$0	\$0
	Boat Insurance	\$75,839	\$0	\$75,839
	Boat Maintenance	\$114,520	\$0	\$114,520
	Boat Registration	\$14,551	\$0	\$14,551
	Boat Storage	\$28,791	\$520	\$29,311

Table 13 continued on next page

Table 13 **TOTAL EXPENDITURES BY MODE AND RESIDENT STATUS IN LOUISIANA, 2011 (\$1,000s)**
Cont'd.

LOUISIANA		RESIDENT STATUS		
Expenditure Type	Expenditure Category	Resident	Non-Resident	All Anglers
Durable	Boat Purchase Fees	\$38,242	\$236	\$38,477
	New Vehicle Purchase	\$111,485	\$0	\$111,485
	Used Vehicle Purchase	\$50,840	\$0	\$50,840
	Vehicle Insurance	\$25,127	\$0	\$25,127
	Vehicle Maintenance	\$13,893	\$0	\$13,893
	Vehicle Registration	\$1,493	\$0	\$1,493
	Vehicle Purchase Fees	\$18,067	\$0	\$18,067
	New Home Purchase	\$69,367	\$0	\$69,367
	Second Home Insurance	\$14	\$0	\$14
	Second Home Maintenance	\$156	\$0	\$156
	Second Home Property Taxes	\$997	\$0	\$997
	Second Home Purchase Fees	\$9,125	\$0	\$9,125
	Real Estate Commissions	\$11,651	\$0	\$11,651
		Total Annual	\$1,598,798	\$19,579
TRIP AND DURABLE GRAND TOTAL		\$1,816,948	\$62,523	\$1,879,471

MISSISSIPPI



Total angler expenditures on marine recreational fishing in Mississippi were \$149 million in 2011. Trip expenditures were \$42 million, and expenditures on durable goods were \$107 million. Marine angling trip expenditures were 28% of total angling expenditures, and durable good expenditures were the remaining 72%. For-hire fishing trip expenditures totaled \$2.9 million, private boat trip expenditures totaled \$29 million, and shore fishing trips totaled \$10 million. Mean trip expenditures by residents were \$292.91 on for-hire fishing trips, \$37.96 on private boat trips, and \$15.10 for shore trips. Non-resident mean trip expenditures were \$253.44, \$42.27, and \$31.49 respectively. Residents spent \$37 million on trip expenses: \$1.1 million on for-hire trips, \$27 million on private boat trips, and \$8.9 million on shore trips. Non-residents spent \$4.6 million on trip expenses: \$1.7 million on for-hire trips, \$1.4 million on private boat trips, and \$1.5 million on shore trips. Resident spending on durable goods purchased in Mississippi totaled \$103 million; non-resident spending on durable goods totaled \$3.7 million. Marine recreational fishing in Mississippi contributed 1.4 thousand jobs to the state’s economy and generated \$121 million in output (sales), \$72 million to the state’s gross domestic product, and \$46 million in income. Trip expenditures generated approximately 418 jobs, and durable expenses generated 965 jobs. Marine angling trip expenditures supported 30% of total employment, and durable expenditures supported the remaining 70%.

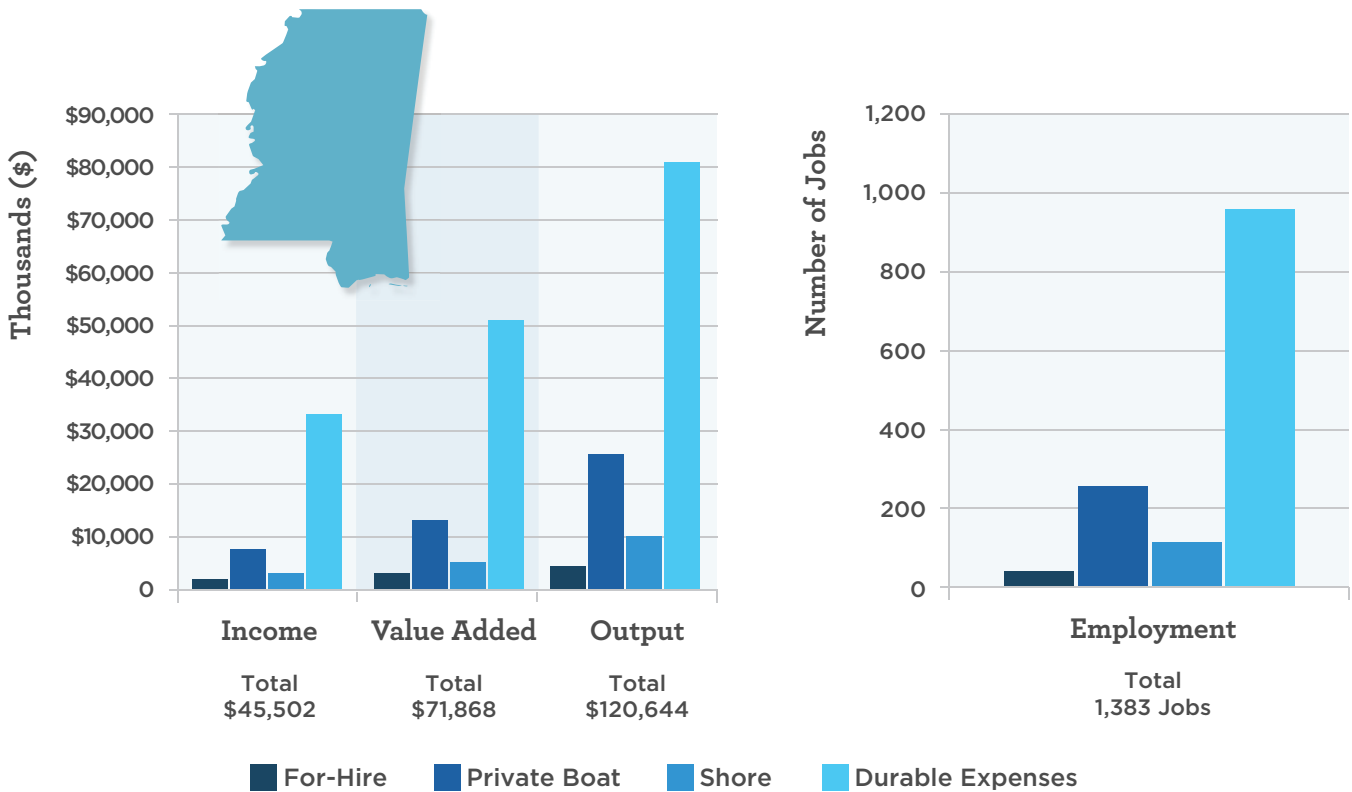


Figure 6. TOTAL ECONOMIC CONTRIBUTIONS GENERATED IN MISSISSIPPI, 2011

Table 14. **TOTAL ECONOMIC CONTRIBUTIONS GENERATED IN MISSISSIPPI, 2011**

		ECONOMIC CONTRIBUTION				
Expense Type	Fishing Mode	Expense (\$1,000s)	Employment (Jobs)	Income (\$1,000s)	Value Added (\$1,000s)	Output (\$1,000s)
Trip Expenses	For-Hire	\$2,861	43	\$2,021	\$2,941	\$4,175
	Private Boat	\$28,743	259	\$7,395	\$13,021	\$25,600
	Shore	\$10,450	116	\$2,910	\$4,950	\$10,066
	All Modes	\$42,054	418	\$12,326	\$20,912	\$39,841
Durable Expenses		\$107,075	965	\$33,176	\$50,956	\$80,803
Total Expenses		\$149,129	1,383	\$45,502	\$71,868	\$120,644

Table 15. **MEAN EXPENDITURES BY MODE AND RESIDENT STATUS IN MISSISSIPPI, 2011**

Expenditure Type	MISSISSIPPI		RESIDENT STATUS		
	Mode	Expenditure Category	Resident	Non-Resident	All Anglers
Trip	For-Hire	Auto Fuel	\$24.21	\$19.22	\$20.67
		Auto Rental	\$0.00	\$12.38	\$8.71
		Bait	\$0.00	\$0.00	\$0.00
		Boat Rental	\$0.00	\$0.00	\$0.00
		Charter Fees	\$260.65	\$155.55	\$185.44
		Crew Tips	\$3.24	\$0.00	\$0.59
		Fish Processing	\$0.00	\$0.00	\$0.00
		Food from Grocery Stores	\$4.07	\$2.80	\$3.19
		Food from Restaurants	\$0.23	\$29.16	\$20.59
		Gifts & Souvenirs	\$0.00	\$0.00	\$0.00
		Ice	\$0.00	\$0.00	\$0.00
		Lodging	\$0.50	\$34.32	\$24.29
		Parking & Site Access	\$0.00	\$0.00	\$0.00
		Public Transportation	\$0.00	\$0.00	\$0.00
		Tournament Fees	\$0.00	\$0.00	\$0.00
		Trip Total			\$292.91

Table 15 continued on next page

Table 15
Cont'd.

MEAN EXPENDITURES BY MODE AND RESIDENT STATUS IN MISSISSIPPI, 2011

Expenditure Type	MISSISSIPPI		RESIDENT STATUS			
	Mode	Expenditure Category	Resident	Non-Resident	All Anglers	
Trip	Private Boat	Auto Fuel	\$10.09	\$15.96	\$10.32	
		Auto Rental	\$0.00	\$0.00	\$0.00	
		Bait	\$4.31	\$2.02	\$4.22	
		Boat Fuel	\$16.26	\$11.40	\$16.06	
		Boat Rental	\$0.00	\$0.00	\$0.00	
		Charter Fees	\$0.00	\$0.00	\$0.00	
		Fish Processing	\$0.00	\$0.00	\$0.00	
		Food from Grocery Stores	\$4.90	\$3.49	\$4.84	
		Food from Restaurants	\$0.57	\$5.26	\$0.75	
		Gifts & Souvenirs	\$0.00	\$0.00	\$0.00	
		Ice	\$1.82	\$0.62	\$1.77	
		Lodging	\$0.00	\$3.34	\$0.14	
		Parking & Site Access	\$0.02	\$0.00	\$0.02	
		Public Transportation	\$0.00	\$0.17	\$0.01	
		Tournament Fees	\$0.00	\$0.00	\$0.00	
		Trip Total		\$37.96	\$42.27	\$38.13

Table 15 continued on next page

Table 15
Cont'd.

MEAN EXPENDITURES BY MODE AND RESIDENT STATUS IN MISSISSIPPI, 2011

Expenditure Type	MISSISSIPPI		RESIDENT STATUS		
	Mode	Expenditure Category	Resident	Non-Resident	All Anglers
Trip		Auto Fuel	\$7.58	\$15.41	\$8.22
		Auto Rental	\$0.00	\$0.00	\$0.00
		Bait	\$3.23	\$2.53	\$3.18
		Boat Rental	\$0.00	\$0.00	\$0.00
		Fish Processing	\$0.00	\$0.00	\$0.00
		Food from Grocery Stores	\$2.91	\$6.33	\$3.18
	Shore	Food from Restaurants	\$0.42	\$1.62	\$0.51
		Gifts & Souvenirs	\$0.00	\$0.00	\$0.00
		Ice	\$0.84	\$0.48	\$0.81
		Lodging	\$0.12	\$5.12	\$0.51
		Parking & Site Access	\$0.00	\$0.00	\$0.00
		Public Transportation	\$0.00	\$0.00	\$0.00
		Tournament Fees	\$0.00	\$0.00	\$0.00
		Trip Total		\$15.10	\$31.49

Table 15 continued on next page

Table 15 **MEAN EXPENDITURES BY MODE AND RESIDENT STATUS IN MISSISSIPPI, 2011**
Cont'd.

MISSISSIPPI		RESIDENT STATUS		
Expenditure Type	Expenditure Category	Resident	Non-Resident	All Anglers
Durable	Tackle	\$73.86	\$4.93	\$62.70
	Rods & Reels	\$87.61	\$23.47	\$77.22
	Spearfishing Gear	\$0.00	\$0.00	\$0.00
	Binoculars	\$0.42	\$0.00	\$0.34
	Camping Equipment	\$17.41	\$0.00	\$14.45
	Clothing	\$18.38	\$3.97	\$15.82
	Club Dues	\$0.15	\$0.00	\$0.13
	License Fees	\$14.17	\$18.12	\$14.92
	Magazine Subscriptions	\$1.53	\$0.00	\$1.25
	Taxidermy	\$0.00	\$0.00	\$0.00
	New Boat Purchase	\$87.03	\$0.64	\$70.72
	Used Boat Purchase	\$7.70	\$0.00	\$6.25
	New Canoe Purchase	\$0.00	\$0.00	\$0.00
	Used Canoe Purchase	\$0.00	\$0.00	\$0.00
	New Accessory Purchase	\$43.07	\$0.00	\$34.85
	Used Accessory Purchase	\$0.00	\$0.00	\$0.00
	Boat Insurance	\$37.26	\$0.00	\$30.21
	Boat Maintenance	\$53.60	\$0.00	\$43.50
	Boat Registration	\$8.14	\$0.00	\$6.60
	Boat Storage	\$1.42	\$17.63	\$4.47

Table 15 continued on next page

Table 15 **MEAN EXPENDITURES BY MODE AND RESIDENT STATUS IN MISSISSIPPI, 2011**
 Cont'd.

MISSISSIPPI		RESIDENT STATUS		
Expenditure Type	Expenditure Category	Resident	Non-Resident	All Anglers
Durable	Boat Purchase Fees	\$2.34	\$0.00	\$1.90
	New Vehicle Purchase	\$115.40	\$0.00	\$95.03
	Used Vehicle Purchase	\$14.42	\$0.00	\$11.87
	Vehicle Insurance	\$18.96	\$0.00	\$15.58
	Vehicle Maintenance	\$11.64	\$0.00	\$9.57
	Vehicle Registration	\$4.89	\$0.00	\$4.02
	Vehicle Purchase Fees	\$6.13	\$0.00	\$5.05
	New Home Purchase	\$0.00	\$0.00	\$0.00
	Second Home Insurance	\$0.00	\$0.00	\$0.00
	Second Home Maintenance	\$0.00	\$0.00	\$0.00
	Second Home Property Taxes	\$0.01	\$0.00	\$0.01
	Second Home Purchase Fees	\$0.00	\$0.00	\$0.00
	Real Estate Commissions	\$0.08	\$0.00	\$0.06
		Total Annual	\$625.60	\$68.77

Table 16. **TOTAL EXPENDITURES BY MODE AND RESIDENT STATUS IN MISSISSIPPI, 2011 (\$1,000s)**

Expenditure Type	MISSISSIPPI		RESIDENT STATUS		
	Mode	Expenditure Category	Resident	Non-Resident	All Anglers
Trip	For-Hire	Auto Fuel	\$95	\$130	\$225
		Auto Rental	\$0	\$84	\$84
		Bait	\$0	\$0	\$0
		Boat Rental	\$0	\$0	\$0
		Charter Fees	\$1,022	\$1,051	\$2,073
		Crew Tips	\$13	\$0	\$13
		Fish Processing	\$0	\$0	\$0
		Food from Grocery Stores	\$16	\$19	\$35
		Food from Restaurants	\$1	\$197	\$198
		Gifts & Souvenirs	\$0	\$0	\$0
		Ice	\$0	\$0	\$0
		Lodging	\$2	\$232	\$234
		Parking & Site Access Fees	\$0	\$0	\$0
		Public Transportation	\$0	\$0	\$0
		Tournament Fees	\$0	\$0	\$0
		For-Hire Trip Total			\$1,148

Table 16 continued on next page

Table 16
Cont'd.

TOTAL EXPENDITURES BY MODE AND RESIDENT STATUS IN MISSISSIPPI, 2011 (\$1,000s)

Expenditure Type	MISSISSIPPI		RESIDENT STATUS		
	Mode	Expenditure Category	Resident	Non-Resident	All Anglers
Trip	Private Boat	Auto Fuel	\$7,270	\$523	\$7,793
		Auto Rental	\$0	\$0	\$0
		Bait	\$3,105	\$66	\$3,172
		Boat Fuel	\$11,715	\$374	\$12,089
		Boat Rental	\$0	\$0	\$0
		Charter Fees	\$0	\$0	\$0
		Fish Processing	\$0	\$0	\$0
		Food from Grocery Stores	\$3,530	\$114	\$3,645
		Food from Restaurants	\$411	\$172	\$583
		Gifts & Souvenirs	\$0	\$0	\$0
		Ice	\$1,311	\$20	\$1,332
		Lodging	\$0	\$110	\$110
		Parking & Site Access Fees	\$14	\$0	\$14
		Public Transportation	\$0	\$6	\$6
		Tournament Fees	\$0	\$0	\$0
				Private Boat Trip Total	\$27,357

Table 16 continued on next page

Table 16
Cont'd.

TOTAL EXPENDITURES BY MODE AND RESIDENT STATUS IN MISSISSIPPI, 2011 (\$1,000s)

Expenditure Type	MISSISSIPPI		RESIDENT STATUS				
	Mode	Expenditure Category	Resident	Non-Resident	All Anglers		
Trip	Shore	Auto Fuel	\$4,484	\$743	\$5,227		
		Auto Rental	\$0	\$0	\$0		
		Bait	\$1,911	\$122	\$2,033		
		Boat Rental	\$0	\$0	\$0		
		Fish Processing	\$0	\$0	\$0		
		Food from Grocery Stores	\$1,721	\$305	\$2,027		
		Food from Restaurants	\$248	\$78	\$327		
		Gifts & Souvenirs	\$0	\$0	\$0		
		Ice	\$497	\$23	\$520		
		Lodging	\$71	\$247	\$318		
		Parking & Site Access Fees	\$0	\$0	\$0		
		Public Transportation	\$0	\$0	\$0		
		Tournament Fees	\$0	\$0	\$0		
		Shore Trip Total			\$8,932	\$1,519	\$10,450
		ALL TRIP MODES TOTAL			\$37,437	\$4,617	\$42,054

Table 16 continued on next page

Table 16 **TOTAL EXPENDITURES BY MODE AND RESIDENT STATUS IN MISSISSIPPI, 2011 (\$1,000s)**
Cont'd.

MISSISSIPPI		RESIDENT STATUS		
Expenditure Type	Expenditure Category	Resident	Non-Resident	All Anglers
Durable	Tackle	\$12,205	\$265	\$12,470
	Rods & Reels	\$14,478	\$1,260	\$15,737
	Spearfishing Gear	\$0	\$0	\$0
	Binoculars	\$69	\$0	\$69
	Camping Equipment	\$2,877	\$0	\$2,877
	Clothing	\$3,037	\$213	\$3,250
	Club Dues	\$25	\$0	\$25
	License Fees	\$2,342	\$973	\$3,314
	Magazine Subscriptions	\$253	\$0	\$253
	Taxidermy	\$0	\$0	\$0
	New Boat Purchase	\$14,382	\$34	\$14,416
	Used Boat Purchase	\$1,272	\$0	\$1,272
	New Canoe Purchase	\$0	\$0	\$0
	Used Canoe Purchase	\$0	\$0	\$0
	New Accessory Purchase	\$7,117	\$0	\$7,117
	Used Accessory Purchase	\$0	\$0	\$0
	Boat Insurance	\$6,157	\$0	\$6,157
	Boat Maintenance	\$8,857	\$0	\$8,857
	Boat Registration	\$1,345	\$0	\$1,345
	Boat Storage	\$235	\$946	\$1,181

Table 16 continued on next page

Table 16 **TOTAL EXPENDITURES BY MODE AND RESIDENT STATUS IN MISSISSIPPI, 2011 (\$1,000s)**
Cont'd.

MISSISSIPPI		RESIDENT STATUS		
Expenditure Type	Expenditure Category	Resident	Non-Resident	All Anglers
Durable	Boat Purchase Fees	\$387	\$0	\$387
	New Vehicle Purchase	\$19,070	\$0	\$19,070
	Used Vehicle Purchase	\$2,383	\$0	\$2,383
	Vehicle Insurance	\$3,133	\$0	\$3,133
	Vehicle Maintenance	\$1,924	\$0	\$1,924
	Vehicle Registration	\$808	\$0	\$808
	Vehicle Purchase Fees	\$1,013	\$0	\$1,013
	New Home Purchase	\$0	\$0	\$0
	Second Home Insurance	\$0	\$0	\$0
	Second Home Maintenance	\$0	\$0	\$0
	Second Home Property Taxes	\$2	\$0	\$2
	Second Home Purchase Fees	\$0	\$0	\$0
	Real Estate Commissions	\$13	\$0	\$13
	Total Annual		\$103,384	\$3,691
TRIP AND DURABLE GRAND TOTAL		\$140,821	\$8,308	\$149,129

A blue-tinted photograph of a boat deck. In the foreground, a fishing reel is visible on the left. Several fishing rods are mounted on the deck. The background shows the water and the horizon. The word "TEXAS" is written in yellow in the upper right corner.

TEXAS

Total angler expenditures on marine recreational fishing in Texas were \$1.4 billion in 2011. Trip expenditures were \$402 million, and expenditures on durable goods were \$1 billion. Marine angling trip expenditures were 29% of total angling expenditures, and durable good expenditures were the remaining 71%. For-hire fishing trip expenditures totaled \$62 million, private boat trip expenditures totaled \$162 million, and shore fishing trips totaled \$178 million. Mean trip expenditures by residents were \$410.54 on for-hire fishing trips, \$182.87 on private boat trips, and \$156.53 for shore trips. Non-resident mean trip expenditures were \$460.30, \$181.64, and \$186.45 respectively. Residents spent \$373 million on trip expenses: \$57 million on for-hire trips, \$153 million on private boat trips, and \$163 million on shore trips. Non-residents spent \$29 million on trip expenses: \$4.6 million on for-hire trips, \$9 million on private boat trips, and \$15 million on shore trips. Resident spending on durable goods purchased in Texas totaled \$979 million; non-resident spending on durable goods totaled \$22 million. Marine recreational fishing in Texas contributed 13 thousand jobs to the state’s economy and generated \$1.6 billion in output (sales), \$958 million to the state’s gross domestic product, and \$586 million in income. Trip expenditures generated approximately 5.3 thousand jobs, and durable expenses generated 8 thousand jobs. Marine angling trip expenditures supported 40% of total employment, and durable expenditures supported the remaining 60%.

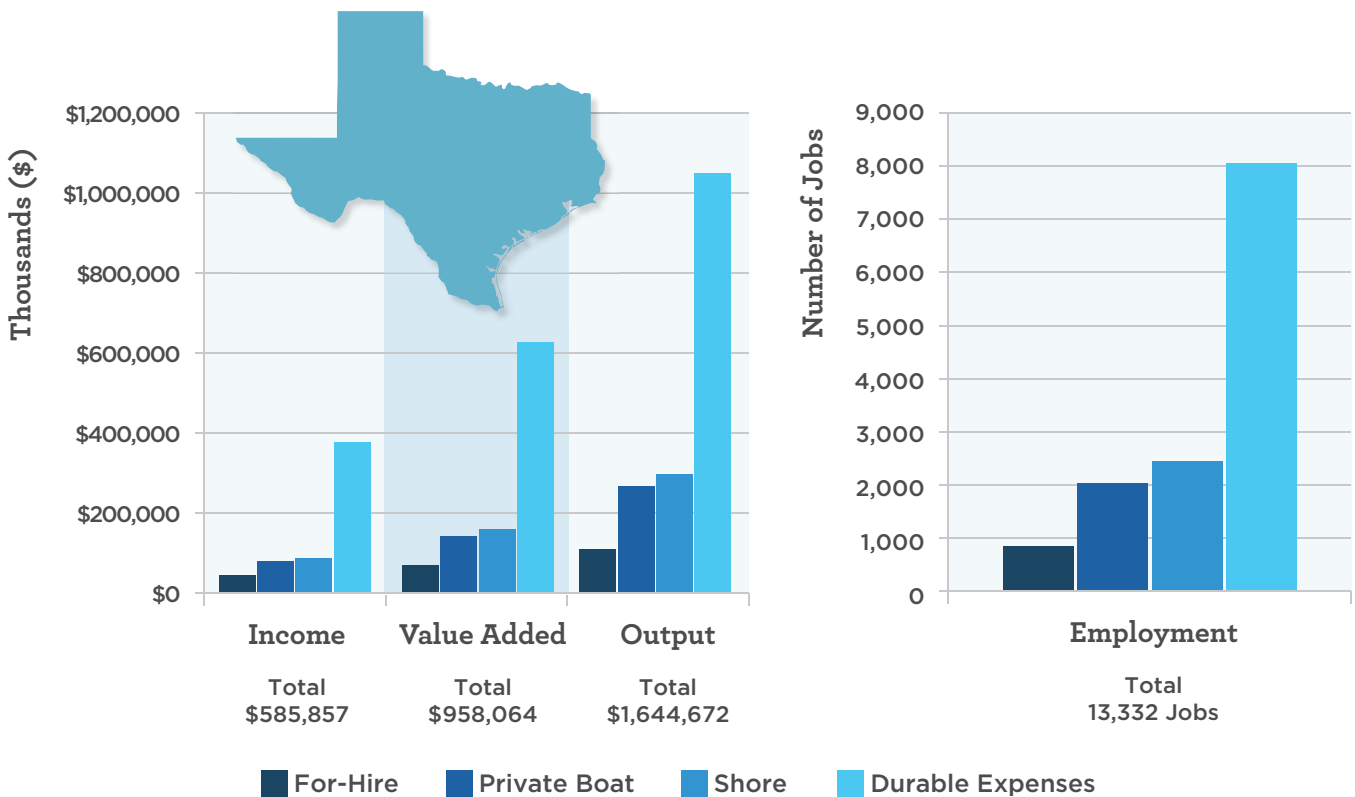


Figure 7. TOTAL ECONOMIC CONTRIBUTIONS GENERATED IN TEXAS, 2011

Table 17. **TOTAL ECONOMIC CONTRIBUTIONS GENERATED IN TEXAS, 2011**

		ECONOMIC CONTRIBUTION				
Expense Type	Fishing Mode	Expense (\$1,000s)	Employment (Jobs)	Income (\$1,000s)	Value Added (\$1,000s)	Output (\$1,000s)
Trip Expenses	For-Hire	\$61,617	842	\$44,174	\$68,244	\$104,649
	Private Boat	\$162,045	2,021	\$77,257	\$135,933	\$256,920
	Shore	\$177,853	2,427	\$87,109	\$152,220	\$284,745
	All Modes	\$401,514	5,291	\$208,540	\$356,397	\$646,314
Durable Expenses		\$1,001,002	8,042	\$377,317	\$601,667	\$998,358
Total Expenses		\$1,402,517	13,332	\$585,857	\$958,064	\$1,644,672

Table 18. **MEAN EXPENDITURES BY MODE AND RESIDENT STATUS IN TEXAS, 2011**

Expenditure Type	TEXAS		RESIDENT STATUS		
	Mode	Expenditure Category	Resident	Non-Resident	All Anglers
Trip	For-Hire	Auto Fuel	\$54.94	\$85.63	\$62.18
		Auto Rental	\$0.00	\$22.57	\$5.32
		Bait	\$4.26	\$2.55	\$3.84
		Boat Rental	\$6.72	\$5.89	\$6.52
		Charter Fees	\$205.77	\$152.20	\$192.61
		Crew Tips	\$13.86	\$19.65	\$15.33
		Fish Processing	\$0.00	\$0.29	\$0.07
		Food from Grocery Stores	\$34.16	\$27.89	\$32.68
		Food from Restaurants	\$37.31	\$30.41	\$35.69
		Gifts & Souvenirs	\$8.13	\$24.83	\$12.24
		Ice	\$5.45	\$2.42	\$4.73
		Lodging	\$38.56	\$67.44	\$45.64
		Parking & Site Access	\$0.58	\$4.64	\$1.57
		Public Transportation	\$0.00	\$13.55	\$3.23
		Tournament Fees	\$0.00	\$0.11	\$0.03
		Trip Total	\$410.54*	\$460.30	\$422.34

Table 18 continued on next page

*Also includes additional boat fuel expenditures

Table 18
Cont'd.

MEAN EXPENDITURES BY MODE AND RESIDENT STATUS IN TEXAS, 2011

Expenditure Type	TEXAS		RESIDENT STATUS		
	Mode	Expenditure Category	Resident	Non-Resident	All Anglers
Trip	Private Boat	Auto Fuel	\$46.06	\$36.93	\$45.41
		Auto Rental	\$0.00	\$14.27	\$1.02
		Bait	\$13.60	\$10.20	\$13.36
		Boat Fuel	\$32.99	\$16.11	\$31.77
		Boat Rental	\$1.98	\$0.66	\$1.88
		Charter Fees	\$0.00	\$0.00	\$0.00
		Fish Processing	\$0.00	\$0.00	\$0.00
		Food from Grocery Stores	\$32.74	\$15.64	\$31.53
		Food from Restaurants	\$23.84	\$28.68	\$24.18
		Gifts & Souvenirs	\$1.70	\$8.94	\$2.22
		Ice	\$4.19	\$3.17	\$4.12
		Lodging	\$22.35	\$21.35	\$22.28
		Parking & Site Access	\$1.68	\$1.59	\$1.67
		Public Transportation	\$0.00	\$21.37	\$1.53
		Tournament Fees	\$1.74	\$2.71	\$1.81
		Trip Total			\$182.87

Table 18 continued on next page

Table 18
Cont'd.

MEAN EXPENDITURES BY MODE AND RESIDENT STATUS IN TEXAS, 2011

Expenditure Type	TEXAS		RESIDENT STATUS		
	Mode	Expenditure Category	Resident	Non-Resident	All Anglers
Trip		Auto Fuel	\$44.52	\$47.26	\$44.73
		Auto Rental	\$0.04	\$3.16	\$0.29
		Bait	\$12.33	\$10.35	\$12.17
		Boat Rental	\$0.00	\$0.00	\$0.00
		Fish Processing	\$0.00	\$0.09	\$0.01
		Food from Grocery Stores	\$33.16	\$32.21	\$33.08
	Shore	Food from Restaurants	\$24.39	\$24.82	\$24.42
		Gifts & Souvenirs	\$3.04	\$10.24	\$3.61
		Ice	\$2.87	\$3.50	\$2.92
		Lodging	\$33.84	\$48.66	\$35.01
		Parking & Site Access	\$2.33	\$2.60	\$2.35
		Public Transportation	\$0.02	\$3.56	\$0.30
		Tournament Fees	\$0.00	\$0.00	\$0.00
		Trip Total		\$156.53	\$186.45

Table 18 continued on next page

Table 18 **MEAN EXPENDITURES BY MODE AND RESIDENT STATUS IN TEXAS, 2011**
Cont'd.

Expenditure Type	Expenditure Category	RESIDENT STATUS		
		Resident	Non-Resident	All Anglers
Durable	Tackle	\$96.42	\$30.16	\$90.53
	Rods & Reels	\$115.22	\$34.90	\$108.08
	Spearfishing Gear	\$0.00	\$0.00	\$0.00
	Binoculars	\$7.77	\$0.00	\$7.06
	Camping Equipment	\$17.40	\$1.37	\$15.95
	Clothing	\$40.50	\$4.08	\$37.18
	Club Dues	\$4.55	\$0.04	\$4.15
	License Fees	\$34.90	\$38.50	\$35.22
	Magazine Subscriptions	\$10.32	\$0.74	\$9.44
	Taxidermy	\$0.56	\$0.00	\$0.51
	New Boat Purchase	\$422.82	\$85.17	\$391.15
	Used Boat Purchase	\$0.00	\$1.43	\$0.13
	New Canoe Purchase	\$7.35	\$0.00	\$6.65
	Used Canoe Purchase	\$0.00	\$0.00	\$0.00
	New Accessory Purchase	\$20.28	\$0.24	\$18.40
	Used Accessory Purchase	\$0.00	\$0.00	\$0.00
	Boat Insurance	\$35.20	\$0.15	\$31.91
	Boat Maintenance	\$46.30	\$1.03	\$42.03
	Boat Registration	\$14.20	\$0.16	\$12.89
	Boat Storage	\$27.03	\$0.21	\$24.50

Table 18 continued on next page

Table 18 **MEAN EXPENDITURES BY MODE AND RESIDENT STATUS IN TEXAS, 2011**
 Cont'd.

Expenditure Type	TEXAS Expenditure Category	RESIDENT STATUS		
		Resident	Non-Resident	All Anglers
Durable	Boat Purchase Fees	\$22.74	\$4.25	\$21.00
	New Vehicle Purchase	\$279.55	\$0.00	\$253.99
	Used Vehicle Purchase	\$50.90	\$0.00	\$46.25
	Vehicle Insurance	\$21.90	\$0.00	\$19.88
	Vehicle Maintenance	\$13.26	\$0.00	\$12.04
	Vehicle Registration	\$2.90	\$0.00	\$2.63
	Vehicle Purchase Fees	\$26.91	\$0.00	\$24.45
	New Home Purchase	\$52.96	\$112.05	\$58.33
	Second Home Insurance	\$2.41	\$0.00	\$2.19
	Second Home Maintenance	\$4.89	\$0.00	\$4.44
	Second Home Property Taxes	\$14.40	\$2.21	\$13.30
	Second Home Purchase Fees	\$7.93	\$4.01	\$7.58
	Real Estate Commissions	\$28.20	\$6.72	\$26.25
		Total Annual	\$1,429.75	\$327.41

Table 19. **TOTAL EXPENDITURES BY MODE AND RESIDENT STATUS IN TEXAS, 2011 (\$1,000s)**

Expenditure Type	TEXAS		RESIDENT STATUS		
	Mode	Expenditure Category	Resident	Non-Resident	All Anglers
Trip	For-Hire	Auto Fuel	\$7,628	\$859	\$8,487
		Auto Rental	\$0	\$226	\$226
		Bait	\$591	\$26	\$617
		Boat Rental	\$933	\$59	\$992
		Charter Fees	\$28,569	\$1,526	\$30,095
		Crew Tips	\$1,924	\$197	\$2,121
		Fish Processing	\$0	\$3	\$3
		Food from Grocery Stores	\$4,743	\$280	\$5,022
		Food from Restaurants	\$5,180	\$305	\$5,485
		Gifts & Souvenirs	\$1,129	\$249	\$1,378
		Ice	\$757	\$24	\$781
		Lodging	\$5,354	\$676	\$6,030
		Parking & Site Access Fees	\$81	\$47	\$127
		Public Transportation	\$0	\$136	\$136
		Tournament Fees	\$0	\$1	\$1
		For-Hire Trip Total		\$57,001*	\$4,616

Table 19 continued on next page

*Also includes additional boat fuel expenditures

Table 19
Cont'd.

**TOTAL EXPENDITURES BY MODE AND
RESIDENT STATUS IN TEXAS, 2011 (\$1,000s)**

Expenditure Type	TEXAS		RESIDENT STATUS		
	Mode	Expenditure Category	Resident	Non-Resident	All Anglers
Trip	Private Boat	Auto Fuel	\$38,552	\$1,827	\$40,379
		Auto Rental	\$0	\$706	\$706
		Bait	\$11,383	\$504	\$11,888
		Boat Fuel	\$27,613	\$797	\$28,409
		Boat Rental	\$1,657	\$33	\$1,690
		Charter Fees	\$0	\$0	\$0
		Fish Processing	\$0	\$0	\$0
		Food from Grocery Stores	\$27,403	\$774	\$28,177
		Food from Restaurants	\$19,954	\$1,418	\$21,373
		Gifts & Souvenirs	\$1,423	\$442	\$1,865
		Ice	\$3,507	\$157	\$3,664
		Lodging	\$18,707	\$1,056	\$19,763
		Parking & Site Access Fees	\$1,406	\$79	\$1,485
		Public Transportation	\$0	\$1,057	\$1,057
		Tournament Fees	\$1,456	\$134	\$1,590
		Private Boat Trip Total		\$153,062	\$8,983

Table 19 continued on next page

Table 19
Cont'd.

**TOTAL EXPENDITURES BY MODE AND
RESIDENT STATUS IN TEXAS, 2011 (\$1,000s)**

Expenditure Type	TEXAS		RESIDENT STATUS				
	Mode	Expenditure Category	Resident	Non-Resident	All Anglers		
Trip	Shore	Auto Fuel	\$46,292	\$3,823	\$50,115		
		Auto Rental	\$42	\$256	\$297		
		Bait	\$12,821	\$837	\$13,658		
		Boat Rental	\$0	\$0	\$0		
		Fish Processing	\$0	\$7	\$7		
		Food from Grocery Stores	\$34,480	\$2,605	\$37,085		
		Food from Restaurants	\$25,361	\$2,008	\$27,368		
		Gifts & Souvenirs	\$3,161	\$828	\$3,989		
		Ice	\$2,984	\$283	\$3,267		
		Lodging	\$35,187	\$3,936	\$39,123		
		Parking & Site Access Fees	\$2,423	\$210	\$2,633		
		Public Transportation	\$21	\$288	\$309		
		Tournament Fees	\$0	\$0	\$0		
		Shore Trip Total			\$162,772	\$15,081	\$177,853
		ALL TRIP MODES TOTAL			\$372,835	\$28,680	\$401,515

Table 19 continued on next page

Table 19 **TOTAL EXPENDITURES BY MODE AND RESIDENT STATUS IN TEXAS, 2011 (\$1,000s)**
Cont'd.

Expenditure Type	TEXAS Expenditure Category	RESIDENT STATUS		
		Resident	Non-Resident	All Anglers
Durable	Tackle	\$66,048	\$1,991	\$68,038
	Rods & Reels	\$78,926	\$2,303	\$81,229
	Spearfishing Gear	\$0	\$0	\$0
	Binoculars	\$5,322	\$0	\$5,322
	Camping Equipment	\$11,919	\$90	\$12,009
	Clothing	\$27,743	\$269	\$28,012
	Club Dues	\$3,117	\$3	\$3,119
	License Fees	\$23,907	\$2,541	\$26,448
	Magazine Subscriptions	\$7,069	\$49	\$7,118
	Taxidermy	\$384	\$0	\$384
	New Boat Purchase	\$289,632	\$5,621	\$295,253
	Used Boat Purchase	\$0	\$94	\$94
	New Canoe Purchase	\$5,035	\$0	\$5,035
	Used Canoe Purchase	\$0	\$0	\$0
	New Accessory Purchase	\$13,892	\$16	\$13,908
	Used Accessory Purchase	\$0	\$0	\$0
	Boat Insurance	\$24,112	\$10	\$24,122
	Boat Maintenance	\$31,716	\$68	\$31,783
	Boat Registration	\$9,727	\$11	\$9,738
	Boat Storage	\$18,516	\$14	\$18,529

Table 19 continued on next page

Table 19 **TOTAL EXPENDITURES BY MODE AND RESIDENT STATUS IN TEXAS, 2011 (\$1,000s)**
 Cont'd.

Expenditure Type	TEXAS Expenditure Category	RESIDENT STATUS		
		Resident	Non-Resident	All Anglers
Durable	Boat Purchase Fees	\$15,577	\$281	\$15,857
	New Vehicle Purchase	\$191,492	\$0	\$191,492
	Used Vehicle Purchase	\$34,867	\$0	\$34,867
	Vehicle Insurance	\$15,002	\$0	\$15,002
	Vehicle Maintenance	\$9,083	\$0	\$9,083
	Vehicle Registration	\$1,987	\$0	\$1,987
	Vehicle Purchase Fees	\$18,433	\$0	\$18,433
	New Home Purchase	\$36,278	\$7,395	\$43,673
	Second Home Insurance	\$1,651	\$0	\$1,651
	Second Home Maintenance	\$3,350	\$0	\$3,350
	Second Home Property Taxes	\$9,864	\$146	\$10,010
	Second Home Purchase Fees	\$5,432	\$265	\$5,697
	Real Estate Commissions	\$19,317	\$444	\$19,761
		Total Annual	\$979,392	\$21,610
TRIP AND DURABLE GRAND TOTAL		\$1,352,227	\$50,290	\$1,402,517

PUERTO RICO



Total angler expenditures on marine recreational fishing in Puerto Rico were \$72 million in 2011. Trip expenditures were \$16 million, and expenditures on durable goods by residents were \$56 million. Marine angling trip expenditures were 23% of total angling expenditures, and durable good expenditures were the remaining 77%. For-hire fishing trip expenditures totaled \$1.5 million, private boat trip expenditures totaled \$11 million, and shore fishing trips totaled \$3.5 million. Mean trip expenditures by residents were \$104.34 on for-hire fishing trips, \$64.74 on private boat trips, and \$17.61 for shore trips. Non-resident mean trip expenditures were \$381.55, \$61.51, and \$14.43 respectively. Residents spent \$14 million on trip expenses: \$68 thousand on for-hire trips, \$11 million on private boat trips, and \$3.4 million on shore trips. Non-residents spent \$2 million on trip expenses: \$1.5 million on for-hire trips, \$441 thousand on private boat trips, and \$48 thousand on shore trips. Resident spending on durable goods purchased in Puerto Rico totaled \$56 million; non-resident spending was not estimated due to sample sizes below three anglers. Marine recreational fishing in Puerto Rico contributed 265 jobs to the territory’s economy and generated \$29.2 million in output (sales), \$32 million to the territory’s gross domestic product, and \$4.8 million in income. Trip expenditures generated approximately 59 jobs, and durable expenses generated 207 jobs. Marine angling trip expenditures supported 22% of total employment, and durable expenditures supported the remaining 78%.

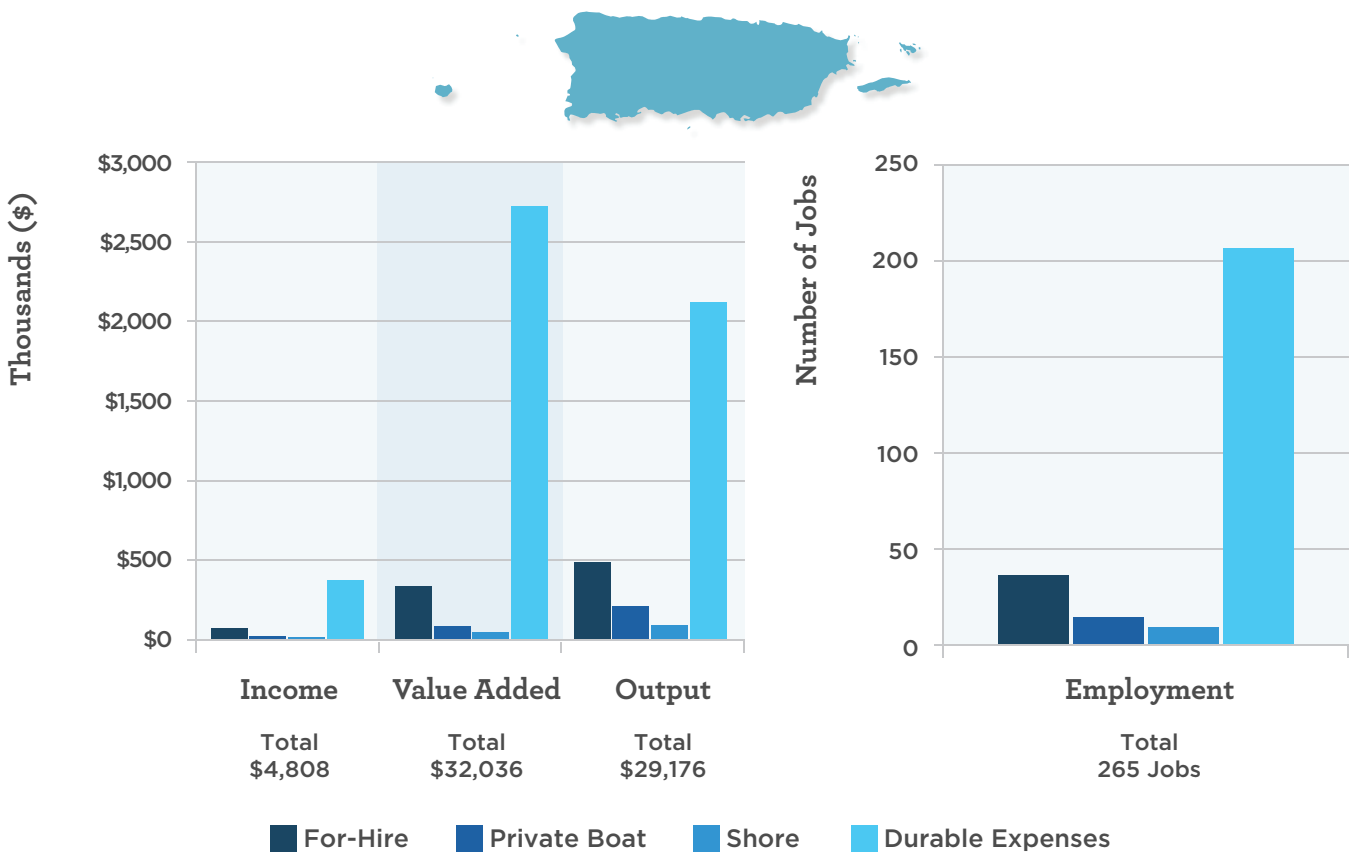


Figure 8. **TOTAL ECONOMIC CONTRIBUTIONS GENERATED IN PUERTO RICO, 2011**

Table 20. **TOTAL ECONOMIC CONTRIBUTIONS GENERATED IN PUERTO RICO, 2011**

		ECONOMIC CONTRIBUTION				
Expense Type	Fishing Mode	Expense (\$1,000s)	Employment (Jobs)	Income (\$1,000s)	Value Added (\$1,000s)	Output (\$1,000s)
Trip Expenses	For-Hire	\$1,541	36	\$735	\$3,380	\$4,920
	Private Boat	\$11,418	14	\$215	\$905	\$2,083
	Shore	\$3,457	9	\$113	\$490	\$918
	All Modes	\$16,416	59	\$1,063	\$4,775	\$7,921
Durable Expenses		\$55,994	207	\$3,746	\$27,261	\$21,255
Total Expenses		\$72,410	265	\$4,808	\$32,036	\$29,176

Table 21. **MEAN EXPENDITURES BY MODE AND RESIDENT STATUS IN PUERTO RICO, 2011**

Expenditure Type	PUERTO RICO		RESIDENT STATUS		
	Mode	Expenditure Category	Resident	Non-Resident	All Anglers
Trip	For-Hire	Auto Fuel	\$11.10	\$10.16	\$10.34
		Auto Rental	\$0.00	\$11.36	\$9.15
		Bait	\$0.00	\$0.00	\$0.00
		Boat Rental	\$0.00	\$0.00	\$0.00
		Charter Fees	\$85.14	\$164.57	\$149.84
		Crew Tips	\$0.03	\$6.87	\$5.61
		Fish Processing	\$0.00	\$0.00	\$0.00
		Food from Grocery Stores	\$4.86	\$7.25	\$6.80
		Food from Restaurants	\$3.21	\$37.35	\$30.85
		Gifts & Souvenirs	\$0.00	\$0.00	\$0.00
		Ice	\$0.00	\$0.00	\$0.00
		Lodging	\$0.00	\$86.38	\$69.85
		Parking & Site Access	\$0.00	\$0.00	\$0.00
		Public Transportation	\$0.00	\$57.60	\$46.58
		Tournament Fees	\$0.00	\$0.00	\$0.00
		Trip Total			\$104.34

Table 21 continued on next page

Table 21
Cont'd.

**MEAN EXPENDITURES BY MODE AND RESIDENT STATUS IN
PUERTO RICO, 2011**

Expenditure Type	PUERTO RICO		RESIDENT STATUS		
	Mode	Expenditure Category	Resident	Non-Resident	All Anglers
Trip	Private Boat	Auto Fuel	\$7.18	\$3.86	\$7.08
		Auto Rental	\$0.01	\$0.00	\$0.01
		Bait	\$3.14	\$0.00	\$3.05
		Boat Fuel	\$39.58	\$1.28	\$38.49
		Boat Rental	\$0.00	\$0.00	\$0.00
		Charter Fees	\$0.00	\$0.00	\$0.00
		Fish Processing	\$0.00	\$0.00	\$0.00
		Food from Grocery Stores	\$11.99	\$4.82	\$11.79
		Food from Restaurants	\$1.53	\$6.36	\$1.67
		Gifts & Souvenirs	\$0.00	\$15.55	\$0.44
		Ice	\$0.91	\$0.14	\$0.89
		Lodging	\$0.41	\$0.00	\$0.40
		Parking & Site Access	\$0.00	\$0.00	\$0.00
		Public Transportation	\$0.00	\$29.49	\$0.83
		Tournament Fees	\$0.00	\$0.00	\$0.00
Trip Total			\$64.74	\$61.51	\$64.64

Table 21 continued on next page

Table 21
Cont'd.

**MEAN EXPENDITURES BY MODE AND RESIDENT STATUS IN
PUERTO RICO, 2011**

Expenditure Type	PUERTO RICO		RESIDENT STATUS		
	Mode	Expenditure Category	Resident	Non-Resident	All Anglers
Trip		Auto Fuel	\$6.67	\$5.93	\$6.65
		Auto Rental	\$0.00	\$0.00	\$0.00
		Bait	\$3.69	\$0.71	\$3.64
		Boat Rental	\$0.00	\$0.00	\$0.00
		Fish Processing	\$0.00	\$0.00	\$0.00
		Food from Grocery Stores	\$5.53	\$2.52	\$5.48
	Shore	Food from Restaurants	\$1.37	\$0.00	\$1.35
		Gifts & Souvenirs	\$0.00	\$0.00	\$0.00
		Ice	\$0.33	\$0.00	\$0.33
		Lodging	\$0.00	\$0.00	\$0.00
		Parking & Site Access	\$0.02	\$0.00	\$0.02
		Public Transportation	\$0.00	\$5.28	\$0.09
		Tournament Fees	\$0.00	\$0.00	\$0.00
		Trip Total		\$17.61	\$14.43

Table 21 continued on next page

Table 21 **MEAN EXPENDITURES BY MODE AND RESIDENT STATUS IN**
Cont'd. **PUERTO RICO, 2011**

PUERTO RICO		RESIDENT STATUS		
Expenditure Type	Expenditure Category	Resident	Non-Resident	All Anglers
Durable	Tackle	\$119.89	.	.
	Rods & Reels	\$49.29	.	.
	Spearfishing Gear	\$0.00	.	.
	Binoculars	\$0.09	.	.
	Camping Equipment	\$21.09	.	.
	Clothing	\$2.07	.	.
	Club Dues	\$26.04	.	.
	License Fees	\$17.00	.	.
	Magazine Subscriptions	\$0.14	.	.
	Taxidermy	\$0.00	.	.
	New Boat Purchase	\$1.46	.	.
	Used Boat Purchase	\$0.00	.	.
	New Canoe Purchase	\$0.00	.	.
	Used Canoe Purchase	\$0.00	.	.
	New Accessory Purchase	\$0.33	.	.
	Used Accessory Purchase	\$0.00	.	.
	Boat Insurance	\$28.86	.	.
	Boat Maintenance	\$58.08	.	.
	Boat Registration	\$16.81	.	.
	Boat Storage	\$64.82	.	.

Table 21 continued on next page

Table 21 **MEAN EXPENDITURES BY MODE AND RESIDENT STATUS IN PUERTO RICO, 2011**
 Cont'd.

PUERTO RICO		RESIDENT STATUS		
Expenditure Type	Expenditure Category	Resident	Non-Resident	All Anglers
Durable	Boat Purchase Fees	\$2.88	.	.
	New Vehicle Purchase	\$0.00	.	.
	Used Vehicle Purchase	\$180.20	.	.
	Vehicle Insurance	\$17.76	.	.
	Vehicle Maintenance	\$19.78	.	.
	Vehicle Registration	\$25.31	.	.
	Vehicle Purchase Fees	\$47.89	.	.
	New Home Purchase	\$0.00	.	.
	Second Home Insurance	\$0.00	.	.
	Second Home Maintenance	\$0.00	.	.
	Second Home Property Taxes	\$0.00	.	.
	Second Home Purchase Fees	\$0.00	.	.
	Real Estate Commissions	\$0.00	.	.
		Total Annual	\$699.79	.

Table 22. **TOTAL EXPENDITURES BY MODE AND RESIDENT STATUS IN PUERTO RICO, 2011 (\$1,000s)**

Expenditure Type	PUERTO RICO		RESIDENT STATUS		
	Mode	Expenditure Category	Resident	Non-Resident	All Anglers
Trip	For-Hire	Auto Fuel	\$7	\$39	\$46
		Auto Rental	\$0	\$44	\$44
		Bait	\$0	\$0	\$0
		Boat Rental	\$0	\$0	\$0
		Charter Fees	\$56	\$635	\$691
		Crew Tips	\$0	\$27	\$27
		Fish Processing	\$0	\$0	\$0
		Food from Grocery Stores	\$3	\$28	\$31
		Food from Restaurants	\$2	\$144	\$146
		Gifts & Souvenirs	\$0	\$0	\$0
		Ice	\$0	\$0	\$0
		Lodging	\$0	\$333	\$333
		Parking & Site Access Fees	\$0	\$0	\$0
		Public Transportation	\$0	\$222	\$222
		Tournament Fees	\$0	\$0	\$0
		For-Hire Trip Total			\$68

Table 22 continued on next page

Table 22. **TOTAL EXPENDITURES BY MODE AND RESIDENT STATUS IN PUERTO RICO, 2011 (\$1,000s)**
 Cont'd.

Expenditure Type	PUERTO RICO		RESIDENT STATUS		
	Mode	Expenditure Category	Resident	Non-Resident	All Anglers
Trip	Private Boat	Auto Fuel	\$1,217	\$28	\$1,245
		Auto Rental	\$2	\$0	\$2
		Bait	\$532	\$0	\$532
		Boat Fuel	\$6,710	\$9	\$6,719
		Boat Rental	\$0	\$0	\$0
		Charter Fees	\$0	\$0	\$0
		Fish Processing	\$0	\$0	\$0
		Food from Grocery Stores	\$2,033	\$35	\$2,067
		Food from Restaurants	\$259	\$46	\$305
		Gifts & Souvenirs	\$0	\$111	\$111
		Ice	\$154	\$1	\$155
		Lodging	\$70	\$0	\$70
		Parking & Site Access Fees	\$0	\$0	\$0
		Public Transportation	\$0	\$211	\$211
		Tournament Fees	\$0	\$0	\$0
Private Boat Trip Total		\$10,977	\$441	\$11,418	

Table 22 continued on next page

Table 22
Cont'd.

**TOTAL EXPENDITURES BY MODE AND RESIDENT STATUS IN
PUERTO RICO, 2011 (\$1,000s)**

Expenditure Type	PUERTO RICO		RESIDENT STATUS				
	Mode	Expenditure Category	Resident	Non-Resident	All Anglers		
Trip	Shore	Auto Fuel	\$1,291	\$20	\$1,311		
		Auto Rental	\$0	\$0	\$0		
		Bait	\$714	\$2	\$717		
		Boat Rental	\$0	\$0	\$0		
		Fish Processing	\$0	\$0	\$0		
		Food from Grocery Stores	\$1,071	\$8	\$1,079		
		Food from Restaurants	\$265	\$0	\$265		
		Gifts & Souvenirs	\$0	\$0	\$0		
		Ice	\$64	\$0	\$64		
		Lodging	\$0	\$0	\$0		
		Parking & Site Access Fees	\$4	\$0	\$4		
		Public Transportation	\$0	\$18	\$18		
		Tournament Fees	\$0	\$0	\$0		
		Shore Trip Total			\$3,409	\$48	\$3,457
		ALL TRIP MODES TOTAL			\$14,454	\$1,962	\$16,416

Table 22 continued on next page

Table 22 **TOTAL EXPENDITURES BY MODE AND RESIDENT STATUS IN**
Cont'd. **PUERTO RICO, 2011 (\$1,000s)**

PUERTO RICO		RESIDENT STATUS		
Expenditure Type	Expenditure Category	Resident	Non-Resident	All Anglers
Durable	Tackle	\$9,593	.	.
	Rods & Reels	\$3,944	.	.
	Spearfishing Gear	\$0	.	.
	Binoculars	\$7	.	.
	Camping Equipment	\$1,688	.	.
	Clothing	\$166	.	.
	Club Dues	\$2,084	.	.
	License Fees	\$1,360	.	.
	Magazine Subscriptions	\$11	.	.
	Taxidermy	\$0	.	.
	New Boat Purchase	\$117	.	.
	Used Boat Purchase	\$0	.	.
	New Canoe Purchase	\$0	.	.
	Used Canoe Purchase	\$0	.	.
	New Accessory Purchase	\$26	.	.
	Used Accessory Purchase	\$0	.	.
	Boat Insurance	\$2,309	.	.
	Boat Maintenance	\$4,647	.	.
	Boat Registration	\$1,345	.	.
	Boat Storage	\$5,187	.	.

Table 22 continued on next page

Table 22 **TOTAL EXPENDITURES BY MODE AND RESIDENT STATUS IN PUERTO RICO, 2011 (\$1,000s)**
Cont'd.

PUERTO RICO		RESIDENT STATUS		
Expenditure Type	Expenditure Category	Resident	Non-Resident	All Anglers
Durable	Boat Purchase Fees	\$230	.	.
	New Vehicle Purchase	\$0	.	.
	Used Vehicle Purchase	\$14,419	.	.
	Vehicle Insurance	\$1,421	.	.
	Vehicle Maintenance	\$1,583	.	.
	Vehicle Registration	\$2,025	.	.
	Vehicle Purchase Fees	\$3,832	.	.
	New Home Purchase	\$0	.	.
	Second Home Insurance	\$0	.	.
	Second Home Maintenance	\$0	.	.
	Second Home Property Taxes	\$0	.	.
	Second Home Purchase Fees	\$0	.	.
	Real Estate Commissions	\$0	.	.
		Total Annual	\$55,994	.
TRIP AND DURABLE GRAND TOTAL		\$70,448	\$1,962	\$72,410

VII. SUMMARY



Marine fisheries in the GOM region and Puerto Rico provide recreational opportunities to millions of anglers and generate significant economic contributions. Fisheries management decisions can be informed by a continued understanding of how marine angler expenditures influence local and regional economies in the GOM and Puerto Rico through employment, income, value added, and output (sales) contributions. To improve the understanding of the current level of expenditures and contributions generated in the region, the GSMFC and the NMFS solicited saltwater anglers' expenditures on fishing trips taken in 2011 throughout the GOM states and Puerto Rico.

Preparation for the marine recreational angler survey took place throughout 2010 and included finalizing survey materials and the survey sampling design in association with the NMFS. Data collection via field samplers and later follow-up mail survey began in January 2011 throughout Alabama, West Florida, Louisiana, Mississippi, and Puerto Rico. Data collection in Texas, via a mail survey, began in March 2011. Extensive outreach efforts were conducted with the deployment of the survey. These included the development of a press release, informational flyers, and other supporting materials.

More than 28,000 economic add-on surveys were completed, for a 73% response rate. The percentage of fully or partially complete surveys, out of all dockside interviews, was as follows in each area: Alabama: 62%, West Florida: 70%, Louisiana: 87%, Mississippi: 67%, and Puerto Rico: 85%. Of the nearly 12,000 mail surveys sent, the response rates were as follows for each area: Alabama: 33%, West Florida: 43%, Louisiana: 39%, Mississippi: 30%, Texas: 18%, and Puerto Rico: 20%. Cumulatively, the percentage of completed follow-up mail/web surveys was about 30%.

Among the 24 million recreational fishing trips that were taken in the GOM and Puerto Rico in 2011, marine recreational anglers had expenditures of \$9.8 billion in the GOM region and \$72 million in Puerto Rico. Using the estimated marine angler expenditures, an input-output model was created to determine the economic contributions to employment, income, value added, and output (sales) for each state's economy, including Puerto Rico. The individual state level input-output models (West Florida to Texas and Puerto Rico) determined that marine angler expenditures contributed an estimated \$8 billion in total output (sales) in West Florida, followed by Louisiana (\$2 billion in output), Texas (\$1.6 billion in output), Alabama (\$819 million in output), Mississippi (\$121 million in output), and Puerto Rico (\$29 million in output). In terms of full and part-time jobs, angler expenditures contributed 66,237 jobs in West Florida, followed by Louisiana (17,808 jobs), Texas (13,332 jobs), Alabama (8,867 jobs), Mississippi (1,383 jobs), and Puerto Rico (265 jobs).

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