

# South Atlantic Region

- East Florida
- Georgia
- North Carolina
- South Carolina



Commercial grouper vessel, South Carolina  
(photo credit: Chris Conklin)

## MANAGEMENT CONTEXT

The South Atlantic Region includes East Florida, Georgia, North Carolina, and South Carolina. Federal fisheries in this region are managed by the South Atlantic Fishery Management Council (SAFMC) and NOAA Fisheries under five fishery management plans (FMPs). The coastal migratory pelagic resources and spiny lobster FMPs are managed with the Gulf of Mexico Fishery Management Council (GMFMC). The SAFMC, in cooperation with the Mid-Atlantic and New England Fishery Management Councils, has developed a Dolphin Wahoo FMP for the Atlantic.

### South Atlantic Region FMPs

1. Coastal migratory pelagic resources (with GMFMC)
2. Coral, coral reef and live/hardbottom habitat
3. Dolphin/wahoo
4. Golden crab
5. Pelagic sargassum habitat
6. Shrimp
7. Snapper grouper
8. Spiny lobster (with GMFMC)

Red porgy, red snapper, snowy grouper, and blueline tilefish were listed as overfished in 2013. Red grouper was removed from the overfished list in 2013. Six stocks or stock complexes are currently subject to overfishing: gag, red snapper, snowy grouper, speckled hind, warsaw grouper, and blueline tilefish. Red grouper and black sea bass were removed from the overfishing list in 2013.

A number of the management actions in 2013 and 2014 were focused on ending overfishing or improving the stock status of overfished stocks. For example, management actions in 2013 and 2014 restricted both the commercial and recreational red snapper fishing seasons. The 2013 and 2014 commercial fishing seasons were opened August 26-October 8 and July 14-September 9, respectively, while the 2013 recreational fishing season was limited to one weekend and the 2014 season was limited to three consecutive weekends in July 2014.

The South Atlantic Wreckfish Individual Transferable Quota Program was implemented in 1992 and is the

only catch share program in the South Atlantic Region. This Program was developed to create incentives for the conservation of wreckfish; provide a management regime, which promotes stability and facilitates long-range planning and investment by harvesters and dealers; promote management regimes that minimize gear and area conflicts among fishermen; minimize the tendency for overcapitalization in the harvesting and processing/distribution sectors; and provide a reasonable opportunity for fishermen to make adequate returns from commercial fishing by limiting entry into the program. NMFS continues to collect data on this program to develop standard performance indicators that measure its basic economic performance.

## COMMERCIAL FISHERIES

In 2013, commercial fishermen in the South Atlantic Region landed 92 million pounds of finfish and shellfish, earning \$161 million in landings revenue. Landings revenue was dominated by blue crab (\$44 million) and shrimp (\$39 million). These species groups commanded ex-vessel prices of \$1.35 and \$2.80 per pound, respectively, and together comprised 51% of total landings revenue in the South Atlantic Region.

### Key South Atlantic Region Commercial Species

- Blue crab
- Clams
- Flounders
- Groupers
- King mackerels
- Oysters
- Shrimp
- Snappers
- Swordfish
- Tunas

North Carolina and East Florida had the highest landings revenue in the region in 2013 with \$79.1 million and \$48.7 million, respectively. South Carolina landings revenue was \$21.6 million while Georgia landings revenue was \$11.8 million. North Carolina also had the highest landings (50 million pounds), followed by East Florida (21 million pounds), Georgia (11 million pounds), and South Carolina (10 million pounds).

### Economic Impacts<sup>1,2</sup>

In 2013, the South Atlantic Region's seafood industry generated \$15 billion in sales impacts in Florida, \$2 billion in sales impacts in Georgia, \$822 million in sales impacts in North Carolina, and \$125 million in sales im-

<sup>1</sup> The NMFS Commercial Fishing Industry Input/Output Model was used to generate the impact estimates (see NMFS Commercial Fishing & Seafood Industry Input/Output Model, available at: [www.st.nmfs.noaa.gov/documents/commercial\\_seafood\\_impacts\\_2007-2009.pdf](http://www.st.nmfs.noaa.gov/documents/commercial_seafood_impacts_2007-2009.pdf)).  
<sup>2</sup> Commercial economic impacts data were not available for East Florida, data for Florida are reported here.

pacts in South Carolina. The largest economic impacts were generated in Florida, which generated 78,000 jobs, \$15 billion in sales impacts, \$2.9 billion in income impacts, and \$5.1 billion in value added impacts. The smallest economic impacts in the region were generated in South Carolina: 1,700 jobs, \$125 million in sales, \$41 million in income, and \$58 million in value added impacts. The sector that generated the greatest employment impacts by state was the importers sector with 40,000 jobs in Florida.

**Landings Revenue**

Landings revenue in the South Atlantic Region totaled \$161 million in 2013. This was a 1% increase (but a 26% decrease in real terms) from 2004 levels and a 6% decrease from 2012. Blue crab (\$44 million) and shrimp (\$39 million) had the highest landings revenue, together accounting for 51% of the South Atlantic Region’s landings revenue in 2013. North Carolina had the highest landings revenue (\$30 million) for finfish in 2013 followed by East Florida (\$24 million), South Carolina (\$6 million), and Georgia (0.5 million). Shellfish landings revenue was dominated by North Carolina (\$49 million) in 2013.

From 2004 to 2013, species or species groups with large changes in landings revenue included oysters (106% or 51% in real terms), swordfish (103% or 49% in real terms) and tunas (63% or 20% in real terms). Landing revenues from blue crab increased 29% (a 5% decrease in real terms) despite landings declining 27% due to the 77% (30% in real terms) increase in the market price. National market trends for blue crab during this period were comparable - a 70% increase in price (a 25% increase in real terms) coupled with a 23% decrease in landings.

From 2012 to 2013, shrimp (-30%) and swordfish (-24%) experienced the largest changes in landings revenue. Blue crab landings revenue increased 17% despite landings falling 19% from 2012 levels due to the price surging 45% from 2012 to 2013.

**Landings**

Fishermen in the South Atlantic Region landed 92 million pounds of finfish and shellfish in 2013. This was

a 53% decrease from 2004 and a 15% decrease from 2012. Finfish landings accounted for 40% of total landings in the South Atlantic Region (37 million pounds) in 2013. Blue crab and shrimp had the highest annual landings in the South Atlantic Region in 2013, with 33 million pounds and 14 million pounds, respectively. Together they accounted for 51% of the total landings in 2013. From 2004 to 2013, flounders experienced the largest decrease in landings (-63%). Species or species groups with large increases in landings include swordfish (64%), oysters (50%), and tunas (36%).

**Commercial Fisheries Facts**

**Landings revenue**

- On average, between 2004 and 2013, the key species or species groups accounted for 78% of total revenue, generating an annual average of \$122 million in the South Atlantic Region.
- On average, landings revenue in the South Atlantic region was split 60% shellfish and 40% finfish.
- Shrimp had the highest annual average landings revenue in the region from 2004 to 2013: \$44 million.

**Landings**

- Key species or species groups contributed an average of 63% annually to total landings between 2004 and 2013, or 76 million pounds.
- Blue crab contributed the most to landings in the region, averaging 39 million pounds from 2004 to 2013.

**Prices**

- Clams had the highest average annual ex-vessel price from 2004 to 2013: \$6.06
- Blue crabs had the highest average annual ex-vessel price from 2004 to 2013: \$0.92

**Prices**

Ex-vessel prices for blue crab (77%, 31% in real terms), king mackerel (71%, 26% in real terms), shrimp, flounders, and groupers (65% each or 21% in real terms) experienced the biggest increases between 2004 and 2013. Clams experienced a less than 1% increase in prices from 2004 to 2013, which translates into the largest real price decline (-26%). Relative to the ex-vessel prices in 2012, blue crabs experienced the greatest increase (45%).

## RECREATIONAL FISHERIES

In 2013, almost 2.5 million recreational anglers took 17 million fishing trips in the South Atlantic Region. 84% of these anglers were residents of a regional coastal county. Of the total fishing trips taken, 47% of them were taken from a private or rental boat and another 51% were shore-based.

### Economic Impacts and Expenditures<sup>3</sup>

The contribution of recreational fishing activities in the South Atlantic Region are reported in terms of economic impacts at the state level (employment, sales, income, and value added impacts) and expenditures on fishing trips and durable equipment at the regional level.

#### Key South Atlantic Region Recreational Species

- Black sea bass
- Bluefish
- Dolphinfinh
- Atlantic croaker and spot
- Spotted seatrout
- King mackerel
- Sheepshead porgy
- Red drum
- Sharks
- Spanish mackerel

Employment impacts in East Florida were the highest in the region in 2013 with 37,000 full- and part-time jobs generated by recreational fishing activities in the state. Employment impacts were lowest in Georgia, with 2,200 jobs. Throughout the South Atlantic Region, most of the employment impacts in 2013 were generated by expenditures on durable equipment: 72% region-wide.

In addition to jobs, the contribution of recreational fishing activities to South Atlantic Region's economy can be measured in terms of sales impacts, income impacts, and the contribution of these activities to gross domestic product (value added impacts). In 2013, sales, income, and value added impacts were the highest in East Florida: \$4 billion in sales impacts, \$1.6 billion in income impacts, \$2.5 billion in value added. These impacts were smallest in Georgia.

Overall, total fishing trip and durable equipment expenditures across the South Atlantic Region in 2013 were \$6.7 billion. Approximately 86% of these expenditures were related to durable equipment purchases. The greatest

expenditures were for vehicle expenses (\$2.7 billion), followed by boat expenses (\$1.5 billion), fishing tackle (\$1.2 billion), and other equipment (\$306 million).

Fishing trip-related expenditures by the South Atlantic Region's non-residents totaled over \$393 million of which the greatest portion can be attributed to shore-based fishing trips (\$258 million). Residents of the South Atlantic Region spent \$559 million on saltwater fishing trips, with the largest part of these expenses related to private boat trips (\$320 million).

### Participation

There were 2.5 million recreational anglers who fished in the South Atlantic Region in 2013. This was a 5% decrease from 2004. About 84% of total anglers in 2013 were residents of a coastal county.

### Fishing Trips

Recreational fishermen took 17 million fishing trips in the South Atlantic Region in 2013. This was a 22% decrease from 2004 and a 7% decrease from 2012. Of the total trips taken in the South Atlantic Region in 2013, approximately 47% of the trips were private or rental boat based (7.9 million trips), while 51% of trips were shore based (8.4 million trips) .

#### Recreational Fisheries Facts

##### Participation

- An average of 2.8 million anglers fished in the South Atlantic Region annually from 2004 to 2013.
- Coastal county residents made up 82% of total anglers in this region from 2004 to 2013.

##### Fishing trips

- In the South Atlantic Region, an average of 19.7 million fishing trips were taken annually from 2004 to 2013.
- Private or rental boat trips accounted for 49% of trips from 2004 to 2013. Shore-based trips accounted for an additional 49%.

##### Harvest and release

- Atlantic croaker and spot was the most commonly caught key species or species group, averaging 8.3 million fish over the 10 year time period.
- The species or species group that was most commonly released was sharks (99% released).

<sup>3</sup> Expenditure estimates were generated from the 2011 National Marine Recreational Fishing Expenditure Survey. Economic impacts from recreational fishing activities were generated using the NMFS Recreational Economic Impact Model (see The Economic Contribution of Marine Angler Expenditures in the United States, 2011, available at: <https://www.st.nmfs.noaa.gov/economics/publications/marine-angler-expenditures/marine-angler-2011>).

## Harvest and Release

Of the South Atlantic Region's key species and species groups, Atlantic croaker and spot (9.1 million fish), bluefish (5.6 million fish), and spotted seatrout (5.4 million fish) were the most often caught by anglers in 2013.

Between 2004 and 2013, the key species or species groups that registered the largest increase in catch were: sharks (81%), Spanish mackerel (65%), and bluefish (49%).

Three of the South Atlantic Region's key species or species groups showed decreases in catch totals: spotted seatrout (-35%), king mackerel (-31%), and dolphinfish (-26%).

## MARINE ECONOMY<sup>4,5</sup>

Across all sectors of the economy in North Carolina, South Carolina, Georgia and Florida nearly 15 million full- and part-time employees were employed by about 1 million establishments in 2012. Annual payroll totaled \$593 billion. Total employee compensation in the South Atlantic region totaled \$972 billion and the combined gross state product of all states totaled about \$1.8 trillion.<sup>6</sup>

The Commercial Fishing Location Quotient (CFLQ) provides a measure of the proportional size of this sector in a state's economy relative to the size of the commercial fishing sector in the national economy.<sup>7</sup> The CFLQ is calculated as the ratio of the percentage of regional employment in the commercial fishing sector relative to the percentage of national employment in the commercial fishing sector. The US CFLQ is 1; a state CFLQ less than (greater than) 1 implies that there is less (more) commercial fishing in this state than the national average.

In 2012, the commercial fishing location quotient (CFLQ) for Florida was the highest in the region at 1.05. This suggests that the proportion of state employment in commercial fishing-related industries in Florida is approximately the same as the national average. The 2012 CFLQ in North Carolina was second highest in the region at 0.13.

For this report, the marine economy, a subset of the regional economy, is comprised of two industry sectors: 1) seafood sales and processing, which includes both employer establishments and nonemployer

firms (businesses that have no paid employees and are subject to federal income tax); and 2) transport, support, and marine operations (employer establishments only). These sectors are comprised of several different marine-related industries. The following sections discuss the contribution of these industries to the national marine economy in terms of the number of establishments or firms, employees, and total annual payroll or receipts.

## Seafood Sales and Processing

In 2012, there were 459 nonemployer firms (businesses that have no paid employees and are subject to federal income tax) engaged in seafood product preparation and packaging across the South Atlantic region. These firms had receipts totaling \$26 million in 2012. Florida (307 firms) accounted for the vast majority of nonemployer firms. There were 45 employer establishments in this sector, a 21% decrease from 2004 to 2012. The largest number of employer establishments (27) were located in Florida.

There were 318 seafood wholesale establishments in the South Atlantic region in 2012, a decrease of 18% from 2004. Most of these establishments were located in Florida (226). In 2012, this sector had 3,343 employees and an annual payroll of \$120 million. Nonemployer firms engaged in seafood retail sales in the South Atlantic region totaled 683 in 2012, a 28% increase from 2004 levels. Total receipts for these firms was \$55 million. Florida (383 firms) and North Carolina (136) had the largest number of firms in this sector. Region-wide, there were 353 employer establishments in the seafood retail sales sector in 2012, employing 1,700 with payroll of \$35 million. Most of these establishments were located in Florida (151) and North Carolina (88).

## Transport, Support, and Marine Operations

The size of the Transport, Support, and Marine Operations sectors in the South Atlantic region is difficult to assess because much of the state-level data is suppressed for confidentiality purposes. It is clear, however, that these sectors play an important role in the regional economy. For example, 667 establishments were classified as marinas over all four states,

<sup>4</sup> Marine Economy information was not available for East Florida, information for the entire state of Florida is provided here.

<sup>5</sup> Unless otherwise stated, data is from the U.S. Census Bureau, <http://censtats.census.gov/> (accessed September 15, 2014).

<sup>6</sup> U.S. Bureau of Economic Analysis, "Table 1.1.5 Gross Domestic Product" and "Table SA6N Compensation of Employees by NAICS Industry," [http://www.bea.gov/iTable/index\\_nipa.cfm](http://www.bea.gov/iTable/index_nipa.cfm) (accessed September 15, 2014).

<sup>7</sup> U.S. Bureau of Labor Statistics, "Location Quotient Calculator," [http://data.bls.gov/location\\_quotient/](http://data.bls.gov/location_quotient/) (accessed September 15, 2014).

employing 6,680 workers and spending \$198 million on payroll in 2012. The Ship and Boat Building Sector consisted of 371 establishments employing 12,000 workers who earned \$540 million in 2012. There were 53 marine cargo operation in Florida and South Carolina alone. These firms employed 5,300 workers and contributed \$116 million in payroll.

# Tables | South Atlantic Region



2013 Economic Impacts of the South Atlantic Seafood Industry (thousands of dollars)<sup>1</sup>

|                | Landings Revenue | With Imports |            |           |             | Without Imports |         |         |             |
|----------------|------------------|--------------|------------|-----------|-------------|-----------------|---------|---------|-------------|
|                |                  | Jobs         | Sales      | Income    | Value Added | Jobs            | Sales   | Income  | Value Added |
| East Florida   | 48,669           | 78,378       | 15,319,435 | 2,878,309 | 5,136,623   | 11,044          | 938,589 | 249,268 | 381,866     |
| Georgia        | 11,806           | 13,763       | 1,932,077  | 424,934   | 701,661     | 1,564           | 70,547  | 27,900  | 37,952      |
| North Carolina | 79,092           | 9,579        | 821,508    | 231,047   | 343,855     | 5,744           | 274,004 | 113,697 | 150,534     |
| South Carolina | 21,618           | 1,742        | 124,561    | 40,713    | 57,853      | 1,409           | 73,525  | 30,310  | 40,284      |

Total Landings Revenue and Landings Revenue of Key Species/Species Groups (thousands of dollars)

|                    | 2004    | 2005    | 2006    | 2007    | 2008    | 2009    | 2010    | 2011    | 2012    | 2013    |
|--------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Total Revenue      | 159,444 | 131,410 | 140,674 | 152,390 | 165,872 | 147,328 | 165,681 | 171,300 | 171,350 | 161,169 |
| Finfish & Other    | 66,858  | 56,907  | 60,707  | 61,339  | 60,813  | 63,163  | 65,931  | 66,228  | 63,961  | 60,679  |
| Shellfish          | 92,592  | 74,507  | 79,976  | 91,061  | 105,059 | 84,176  | 99,756  | 105,078 | 107,397 | 100,506 |
| <b>Key Species</b> |         |         |         |         |         |         |         |         |         |         |
| Blue crab          | 34,249  | 31,784  | 27,050  | 33,634  | 40,206  | 37,784  | 36,301  | 33,862  | 37,619  | 44,139  |
| Clams              | 5,561   | 4,779   | 4,223   | 4,039   | 3,862   | 3,516   | 3,809   | 3,396   | 3,456   | 3,690   |
| Flounders          | 11,530  | 10,974  | 13,317  | 11,375  | 10,928  | 10,171  | 10,885  | 8,942   | 7,428   | 7,080   |
| Groupers           | 2,728   | 2,814   | 3,416   | 4,565   | 4,084   | 3,214   | 3,022   | 3,027   | 2,611   | 2,605   |
| King mackerels     | 5,260   | 5,551   | 6,495   | 6,872   | 7,695   | 8,088   | 7,585   | 6,580   | 5,559   | 5,213   |
| Oysters            | 2,912   | 3,305   | 3,853   | 3,806   | 4,028   | 4,603   | 7,175   | 6,850   | 5,469   | 5,999   |
| Shrimp             | 44,797  | 31,035  | 39,653  | 43,807  | 51,072  | 33,082  | 46,148  | 53,652  | 54,969  | 38,668  |
| Snappers           | 3,208   | 3,314   | 2,748   | 3,922   | 4,554   | 4,024   | 3,497   | 3,757   | 3,842   | 3,687   |
| Swordfish          | 3,555   | 3,134   | 2,753   | 4,298   | 3,661   | 4,821   | 7,519   | 9,400   | 9,482   | 7,207   |
| Tunas              | 3,671   | 3,904   | 4,692   | 4,894   | 4,672   | 4,869   | 3,681   | 5,096   | 7,035   | 5,980   |

Total Landings and Landings of Key Species/Species Groups (thousands of pounds)

|                    | 2004    | 2005    | 2006    | 2007    | 2008    | 2009    | 2010    | 2011    | 2012    | 2013   |
|--------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|
| Total Landings     | 199,033 | 123,421 | 114,661 | 105,285 | 116,714 | 113,563 | 119,675 | 123,657 | 108,133 | 91,900 |
| Finfish & Other    | 121,214 | 64,925  | 52,056  | 46,631  | 44,025  | 51,237  | 52,601  | 49,160  | 39,557  | 36,773 |
| Shellfish          | 77,820  | 58,497  | 62,604  | 58,654  | 72,689  | 62,327  | 67,074  | 74,497  | 68,576  | 55,127 |
| <b>Key Species</b> |         |         |         |         |         |         |         |         |         |        |
| Blue crab          | 45,001  | 38,218  | 36,779  | 34,045  | 45,150  | 39,016  | 39,013  | 42,127  | 40,396  | 32,763 |
| Clams              | 886     | 747     | 685     | 663     | 628     | 611     | 641     | 569     | 621     | 583    |
| Flounders          | 7,325   | 5,944   | 6,282   | 4,778   | 5,034   | 5,278   | 5,020   | 4,130   | 2,740   | 2,734  |
| Groupers           | 1,057   | 1,007   | 1,152   | 1,416   | 1,266   | 992     | 884     | 774     | 665     | 612    |
| King mackerels     | 3,269   | 3,106   | 3,792   | 3,736   | 4,352   | 4,858   | 4,247   | 3,048   | 2,456   | 1,898  |
| Oysters            | 689     | 730     | 808     | 776     | 857     | 938     | 1,439   | 1,233   | 897     | 1,031  |
| Shrimp             | 26,472  | 16,048  | 22,080  | 21,235  | 23,343  | 20,110  | 23,204  | 22,940  | 22,374  | 13,803 |
| Snappers           | 1,285   | 1,286   | 967     | 1,354   | 1,515   | 1,373   | 1,196   | 1,246   | 1,229   | 1,148  |
| Swordfish          | 1,314   | 1,152   | 1,036   | 1,417   | 1,307   | 1,800   | 2,288   | 2,611   | 2,746   | 2,161  |
| Tunas              | 1,739   | 1,569   | 2,360   | 2,310   | 1,658   | 1,945   | 1,805   | 2,209   | 2,500   | 2,367  |

Average Annual Price of Key Species/Species Groups (dollars per pound)

|                | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|----------------|------|------|------|------|------|------|------|------|------|------|
| Blue crab      | 0.76 | 0.83 | 0.74 | 0.99 | 0.89 | 0.97 | 0.93 | 0.80 | 0.93 | 1.35 |
| Clams          | 6.27 | 6.40 | 6.16 | 6.09 | 6.15 | 5.76 | 5.94 | 5.97 | 5.57 | 6.33 |
| Flounders      | 1.57 | 1.85 | 2.12 | 2.38 | 2.17 | 1.93 | 2.17 | 2.17 | 2.71 | 2.59 |
| Groupers       | 2.58 | 2.79 | 2.97 | 3.22 | 3.23 | 3.24 | 3.42 | 3.91 | 3.93 | 4.25 |
| King mackerels | 1.61 | 1.79 | 1.71 | 1.84 | 1.77 | 1.66 | 1.79 | 2.16 | 2.26 | 2.75 |
| Oysters        | 4.22 | 4.53 | 4.77 | 4.91 | 4.70 | 4.91 | 4.99 | 5.55 | 6.09 | 5.82 |
| Shrimp         | 1.69 | 1.93 | 1.80 | 2.06 | 2.19 | 1.65 | 1.99 | 2.34 | 2.46 | 2.80 |
| Snappers       | 2.50 | 2.58 | 2.84 | 2.90 | 3.01 | 2.93 | 2.92 | 3.02 | 3.13 | 3.21 |
| Swordfish      | 2.71 | 2.72 | 2.66 | 3.03 | 2.80 | 2.68 | 3.29 | 3.60 | 3.45 | 3.33 |
| Tunas          | 2.11 | 2.49 | 1.99 | 2.12 | 2.82 | 2.50 | 2.04 | 2.31 | 2.81 | 2.53 |



**2013 Economic Impacts of the South Atlantic Recreational Fishing Expenditures (thousands of dollars)**

|                | Trips | Jobs   | Sales     | Income    | Value Added |
|----------------|-------|--------|-----------|-----------|-------------|
| East Florida   | 8,981 | 36,557 | 3,992,360 | 1,618,037 | 2,486,549   |
| Georgia        | 690   | 2,177  | 214,483   | 88,583    | 137,657     |
| North Carolina | 4,968 | 16,150 | 1,601,486 | 633,794   | 989,131     |
| South Carolina | 1,977 | 4,280  | 384,382   | 145,772   | 231,908     |

**2013 Angler Trip & Durable Expenditures (thousands of dollars)**

| Fishing Mode  | Trip Expenditures |           | Equipment                  | Durable Goods Expenditures |
|---|-------------------|-----------|----------------------------|----------------------------|
|   | Non-residents     | Residents |                            |                            |
|   |                   |           | Fishing Tackle             | 1,169,853                  |
| For-Hire  | 93,120            | 24,708    | Other Equipment            | 305,541                    |
| Private Boat  | 41,163            | 320,082   | Boat Expenses              | 1,539,514                  |
| Shore   | 258,284           | 214,377   | Vehicle Expenses           | 2,698,074                  |
| Total   | 392,568           | 559,167   | Second Home Expenses       | 69,656                     |
|   |                   |           | Total Durable Expenditures | 5,782,638                  |
| Total State Trip and Durable Equipment Expenditures |                   |           |                            | 6,734,373                  |

**Recreational Anglers by Residential Area (thousands of anglers)<sup>1</sup>**

|               | 2004  | 2005  | 2006  | 2007  | 2008  | 2009  | 2010  | 2011  | 2012  | 2013  |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Coastal       | 2,105 | 2,615 | 2,603 | 3,157 | 2,330 | 1,922 | 1,933 | 1,893 | 2,135 | 2,092 |
| Non-Coastal   | 511   | 472   | 477   | 493   | 560   | 462   | 536   | 450   | 502   | 396   |
| Out-of-State  | NA    | NA    | NA    | NA    | NA    | NA    | NA    | NA    | NA    | NA    |
| Total Anglers | 2,616 | 3,087 | 3,080 | 3,650 | 2,890 | 2,384 | 2,470 | 2,343 | 2,637 | 2,488 |

**Recreational Fishing Effort by Mode (thousands of angler-trips)**

|             | 2004   | 2005   | 2006   | 2007   | 2008   | 2009   | 2010   | 2011   | 2012   | 2013   |
|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| For-Hire    | 492    | 503    | 456    | 503    | 415    | 391    | 368    | 372    | 348    | 336    |
| Private     | 9,901  | 9,896  | 9,823  | 11,536 | 10,910 | 8,923  | 9,514  | 8,663  | 8,775  | 7,878  |
| Shore       | 10,830 | 10,620 | 11,250 | 9,956  | 10,469 | 9,371  | 9,185  | 8,637  | 8,669  | 8,402  |
| Total Trips | 21,222 | 21,018 | 21,528 | 21,995 | 21,794 | 18,684 | 19,066 | 17,673 | 17,793 | 16,616 |

**Harvest (H) and Release (R) of Key Species Species Groups (thousands of fish)**

|                                  |   | 2004  | 2005  | 2006  | 2007  | 2008  | 2009  | 2010  | 2011  | 2012  | 2013  |
|----------------------------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Black sea bass                   | H | 918   | 623   | 579   | 435   | 348   | 270   | 510   | 336   | 291   | 247   |
|                                  | R | 2,759 | 2,388 | 2,511 | 2,865 | 2,567 | 1,907 | 2,594 | 3,032 | 4,376 | 2,864 |
| Bluefish                         | H | 1,877 | 2,077 | 1,488 | 1,916 | 1,691 | 1,587 | 2,348 | 1,936 | 1,379 | 1,895 |
|                                  | R | 2,663 | 2,750 | 3,199 | 4,089 | 3,085 | 2,557 | 4,267 | 3,455 | 2,368 | 3,682 |
| Dolphinfish                      | H | 840   | 1,019 | 1,017 | 1,078 | 1,025 | 727   | 825   | 824   | 801   | 521   |
|                                  | R | 118   | 202   | 185   | 394   | 188   | 98    | 128   | 354   | 126   | 168   |
| Drum (Atlantic croaker and spot) | H | 5,703 | 4,210 | 4,981 | 4,576 | 5,516 | 2,817 | 1,946 | 3,075 | 2,795 | 3,314 |
|                                  | R | 3,876 | 3,882 | 6,756 | 3,774 | 4,182 | 4,867 | 3,335 | 4,183 | 3,560 | 5,786 |
| Drum (spotted seatrout)          | H | 1,049 | 1,479 | 1,505 | 1,546 | 1,633 | 1,410 | 932   | 859   | 1,691 | 1,067 |
|                                  | R | 3,561 | 6,409 | 5,264 | 5,554 | 5,166 | 4,170 | 5,771 | 4,889 | 6,519 | 4,289 |
| King mackerel                    | H | 460   | 392   | 490   | 818   | 483   | 421   | 234   | 154   | 150   | 100   |
|                                  | R | 227   | 194   | 199   | 300   | 169   | 96    | 77    | 48    | 27    | 23    |
| Porgies (sheepshead)             | H | 429   | 539   | 392   | 639   | 694   | 626   | 704   | 662   | 522   | 594   |
|                                  | R | 315   | 420   | 419   | 547   | 693   | 509   | 496   | 519   | 628   | 745   |
| Red drum                         | H | 414   | 484   | 319   | 413   | 463   | 277   | 607   | 493   | 459   | 634   |
|                                  | R | 1,768 | 2,613 | 2,035 | 1,838 | 2,414 | 1,870 | 3,321 | 2,137 | 2,966 | 3,069 |
| Sharks <sup>2</sup>              | H | 22    | 75    | 6     | 15    | 16    | 19    | 4     | 11    | 8     | 13    |
|                                  | R | 1,821 | 2,571 | 1,855 | 1,955 | 2,521 | 2,060 | 1,972 | 1,542 | 1,787 | 3,240 |
| Spanish mackerel                 | H | 758   | 932   | 654   | 1,061 | 1,315 | 1,126 | 1,073 | 869   | 820   | 1,054 |
|                                  | R | 446   | 618   | 274   | 607   | 886   | 519   | 604   | 395   | 424   | 679   |

<sup>1</sup> NA = data are not available because out-of-state resident information is collected for individual states but whether an angler is a resident of a region is not specified.

<sup>2</sup> Sharks include species within the requiem shark family, blacktip sharks, Atlantic sharpnose sharks, and unidentified sharks.



# Tables | East Florida



2013 Economic Impacts of the Florida<sup>1</sup> Seafood Industry (thousands of dollars)<sup>1</sup>

|                                    | With Imports |            |           |             | Without Imports |         |         |             |
|------------------------------------|--------------|------------|-----------|-------------|-----------------|---------|---------|-------------|
|                                    | Jobs         | Sales      | Income    | Value Added | Jobs            | Sales   | Income  | Value Added |
| Total Impacts                      | 78,378       | 15,319,435 | 2,878,309 | 5,136,623   | 11,044          | 938,589 | 249,268 | 381,866     |
| Commercial Harvesters              | 7,199        | 453,074    | 144,057   | 190,994     | 7,199           | 453,074 | 144,057 | 190,994     |
| Seafood Processors & Dealers       | 4,525        | 725,679    | 140,440   | 276,093     | 574             | 97,932  | 18,953  | 37,259      |
| Importers                          | 40,111       | 11,033,696 | 1,768,360 | 3,363,554   | 0               | 0       | 0       | 0           |
| Seafood Wholesalers & Distributors | 9,869        | 1,115,332  | 437,875   | 544,775     | 482             | 54,490  | 21,392  | 26,615      |
| Retail                             | 16,674       | 1,991,654  | 387,576   | 761,207     | 2,788           | 333,094 | 64,866  | 126,997     |

Total Landings Revenue and Landings Revenue of Key Species/Species Groups (thousands of dollars)

|                    | 2004   | 2005   | 2006   | 2007   | 2008   | 2009   | 2010   | 2011   | 2012   | 2013   |
|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Total Revenue      | 39,978 | 35,489 | 42,002 | 42,767 | 47,856 | 40,992 | 51,151 | 60,643 | 57,766 | 48,669 |
| Finfish & Other    | 15,324 | 16,496 | 17,422 | 19,768 | 21,131 | 23,164 | 25,756 | 26,344 | 26,061 | 24,139 |
| Shellfish          | 24,654 | 18,993 | 24,580 | 23,000 | 26,726 | 17,828 | 25,395 | 34,300 | 31,705 | 24,530 |
| <b>Key Species</b> |        |        |        |        |        |        |        |        |        |        |
| Blue crab          | 3,685  | 4,648  | 3,701  | 4,924  | 4,333  | 2,376  | 3,415  | 4,155  | 4,747  | 3,785  |
| Clams              | 506    | 390    | 435    | 391    | 510    | 415    | 331    | 220    | 138    | 28     |
| Groupers           | 584    | 587    | 521    | 923    | 724    | 583    | 561    | 556    | 764    | 631    |
| King mackerel      | 3,650  | 3,456  | 4,318  | 4,833  | 6,036  | 6,563  | 6,911  | 5,500  | 4,685  | 4,320  |
| Lobsters           | 2,148  | 1,624  | 2,462  | 2,488  | 3,312  | 1,089  | 2,825  | 3,207  | 1,720  | 3,437  |
| Sharks             | 1,149  | 1,201  | 1,364  | 726    | 636    | 949    | 757    | 677    | 458    | 491    |
| Shrimp             | 17,360 | 11,118 | 16,390 | 13,821 | 17,225 | 12,455 | 17,071 | 24,361 | 21,903 | 14,125 |
| Snappers           | 1,098  | 1,009  | 972    | 1,279  | 1,905  | 2,383  | 1,454  | 1,673  | 1,604  | 1,769  |
| Spanish mackerel   | 1,827  | 2,198  | 2,094  | 2,332  | 1,827  | 2,004  | 2,414  | 2,686  | 2,448  | 2,650  |
| Swordfish          | 1,491  | 1,625  | 1,219  | 2,529  | 2,339  | 2,385  | 3,677  | 4,005  | 4,838  | 3,287  |

Total Landings and Landings of Key Species/Species Groups (thousands of pounds)

|                    | 2004   | 2005   | 2006   | 2007   | 2008   | 2009   | 2010   | 2011   | 2012   | 2013   |
|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Total Landings     | 28,707 | 22,964 | 27,021 | 25,196 | 26,307 | 27,501 | 29,713 | 31,244 | 28,579 | 21,416 |
| Finfish & Other    | 12,497 | 12,815 | 13,848 | 13,893 | 14,111 | 16,105 | 17,137 | 16,051 | 14,241 | 12,554 |
| Shellfish          | 16,209 | 10,149 | 13,173 | 11,303 | 12,196 | 11,396 | 12,576 | 15,193 | 14,338 | 8,862  |
| <b>Key Species</b> |        |        |        |        |        |        |        |        |        |        |
| Blue crab          | 3,536  | 4,045  | 3,130  | 4,063  | 3,342  | 1,640  | 2,553  | 3,226  | 3,440  | 2,211  |
| Clams              | 54     | 42     | 47     | 41     | 55     | 54     | 42     | 22     | 17     | 5      |
| Groupers           | 216    | 207    | 166    | 274    | 204    | 165    | 150    | 139    | 190    | 150    |
| King mackerel      | 2,291  | 1,833  | 2,572  | 2,631  | 3,299  | 4,064  | 3,905  | 2,633  | 2,143  | 1,547  |
| Lobsters           | 456    | 313    | 407    | 361    | 506    | 298    | 481    | 514    | 302    | 486    |
| Sharks             | 1,273  | 1,292  | 1,472  | 818    | 776    | 1,109  | 781    | 716    | 631    | 657    |
| Shrimp             | 11,728 | 5,203  | 8,843  | 6,174  | 7,619  | 8,662  | 8,743  | 10,528 | 8,869  | 5,044  |
| Snappers           | 453    | 407    | 355    | 461    | 635    | 805    | 510    | 564    | 523    | 572    |
| Spanish mackerel   | 3,066  | 3,134  | 3,143  | 3,264  | 2,263  | 2,629  | 3,553  | 3,433  | 2,586  | 2,246  |
| Swordfish          | 511    | 543    | 407    | 772    | 791    | 838    | 1,028  | 1,067  | 1,343  | 831    |

Average Annual Price of Key Species/Species Groups (dollars per pound)

|                  | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|------------------|------|------|------|------|------|------|------|------|------|------|
| Blue crab        | 1.04 | 1.15 | 1.18 | 1.21 | 1.30 | 1.45 | 1.34 | 1.29 | 1.38 | 1.71 |
| Clams            | 9.30 | 9.27 | 9.20 | 9.52 | 9.29 | 7.73 | 7.90 | 9.84 | 8.17 | 6.00 |
| Groupers         | 2.70 | 2.84 | 3.14 | 3.37 | 3.55 | 3.53 | 3.73 | 3.99 | 4.02 | 4.20 |
| King mackerel    | 1.59 | 1.89 | 1.68 | 1.84 | 1.83 | 1.61 | 1.77 | 2.09 | 2.19 | 2.79 |
| Lobsters         | 4.71 | 5.18 | 6.06 | 6.90 | 6.55 | 3.65 | 5.87 | 6.23 | 5.69 | 7.07 |
| Sharks           | 0.90 | 0.93 | 0.93 | 0.89 | 0.82 | 0.86 | 0.97 | 0.95 | 0.73 | 0.75 |
| Shrimp           | 1.48 | 2.14 | 1.85 | 2.24 | 2.26 | 1.44 | 1.95 | 2.31 | 2.47 | 2.80 |
| Snappers         | 2.42 | 2.48 | 2.74 | 2.78 | 3.00 | 2.96 | 2.85 | 2.97 | 3.07 | 3.09 |
| Spanish mackerel | 0.60 | 0.70 | 0.67 | 0.71 | 0.81 | 0.76 | 0.68 | 0.78 | 0.95 | 1.18 |
| Swordfish        | 2.92 | 2.99 | 3.00 | 3.28 | 2.96 | 2.85 | 3.58 | 3.75 | 3.60 | 3.96 |

<sup>1</sup> Information reported in this table is for the state of Florida, not East Florida.

**2013 Economic Impacts of East Florida Recreational Fishing Expenditures (thousands of dollars)**

|                              |              | Jobs   | Sales     | Income    | Value Added |
|------------------------------|--------------|--------|-----------|-----------|-------------|
| Trip Impacts by Fishing Mode | For-Hire     | 1,019  | 111,816   | 46,455    | 67,910      |
|                              | Private Boat | 2,328  | 248,676   | 93,447    | 154,024     |
|                              | Shore        | 1,454  | 144,476   | 54,459    | 90,124      |
| Total Durable Expenditures   |              | 31,756 | 3,487,392 | 1,423,676 | 2,174,491   |
| Total State Economic Impacts |              | 36,557 | 3,992,360 | 1,618,037 | 2,486,549   |

**2013 Angler Trip & Durable Expenditures (thousands of dollars)**

| Fishing Mode  | Trip Expenditures |           | Equipment                  | Durable Goods Expenditures |
|---|-------------------|-----------|----------------------------|----------------------------|
|   | Non-residents     | Residents |                            |                            |
|   |                   |           | Fishing Tackle             | 792,140                    |
| For-Hire  | 53,285            | 8,904     | Other Equipment            | 190,740                    |
| Private Boat  | 15,132            | 156,962   | Boat Expenses              | 860,988                    |
| Shore   | 46,394            | 60,388    | Vehicle Expenses           | 2,252,462                  |
| Total   | 114,811           | 226,253   | Second Home Expenses       | 6,485                      |
|   |                   |           | Total Durable Expenditures | 4,102,814                  |
| Total State Trip and Durable Equipment Expenditures |                   |           |                            | 4,443,878                  |

**Recreational Anglers by Residential Area (thousands of anglers)<sup>1</sup>**

|               | 2004  | 2005  | 2006  | 2007  | 2008  | 2009  | 2010  | 2011  | 2012  | 2013  |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Coastal       | 1,161 | 1,565 | 1,660 | 2,168 | 1,317 | 1,099 | 1,033 | 1,109 | 1,181 | 1,263 |
| Non-Coastal   | NA    | NA    | NA    | NA    | NA    | NA    | NA    | NA    | NA    | NA    |
| Out-of-State  | 685   | 945   | 935   | 1,008 | 703   | 643   | 629   | 553   | 514   | 540   |
| Total Anglers | 1,847 | 2,510 | 2,595 | 3,176 | 2,021 | 1,741 | 1,662 | 1,662 | 1,695 | 1,803 |

**Recreational Fishing Effort by Mode (thousands of angler-trips)**

|             | 2004   | 2005   | 2006   | 2007   | 2008   | 2009   | 2010   | 2011   | 2012  | 2013  |
|-------------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|
| For-Hire    | 204    | 193    | 171    | 169    | 137    | 149    | 118    | 124    | 144   | 156   |
| Private     | 5,544  | 6,064  | 5,913  | 7,157  | 6,452  | 5,394  | 5,706  | 5,298  | 5,028 | 4,643 |
| Shore       | 5,145  | 5,092  | 5,543  | 5,277  | 4,651  | 4,577  | 4,393  | 4,735  | 4,219 | 4,183 |
| Total Trips | 10,893 | 11,349 | 11,628 | 12,603 | 11,240 | 10,120 | 10,218 | 10,156 | 9,390 | 8,981 |

**Harvest (H) and Release (R) of Key Species Species Groups (thousands of fish)**

|                         |   | 2004  | 2005  | 2006  | 2007  | 2008  | 2009  | 2010  | 2011  | 2012  | 2013  |
|-------------------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Bluefish                | H | 514   | 444   | 434   | 471   | 377   | 623   | 787   | 556   | 278   | 409   |
|                         | R | 499   | 368   | 718   | 932   | 499   | 680   | 1,621 | 912   | 1,111 | 1,493 |
| Dolphinfish             | H | 545   | 353   | 492   | 513   | 661   | 328   | 248   | 347   | 433   | 297   |
|                         | R | 113   | 200   | 161   | 373   | 185   | 77    | 118   | 346   | 106   | 163   |
| Drum (kingfish)         | H | 1,094 | 998   | 838   | 854   | 949   | 409   | 720   | 936   | 825   | 972   |
|                         | R | 753   | 903   | 706   | 1,099 | 552   | 608   | 935   | 807   | 1,102 | 1,115 |
| Drum (spotted seatrout) | H | 234   | 379   | 331   | 278   | 182   | 172   | 252   | 287   | 427   | 335   |
|                         | R | 2,413 | 4,246 | 3,316 | 3,094 | 2,830 | 1,642 | 2,937 | 2,141 | 3,026 | 1,940 |
| Gray snapper            | H | 321   | 397   | 445   | 689   | 352   | 225   | 161   | 187   | 210   | 639   |
|                         | R | 1,771 | 1,047 | 1,326 | 2,073 | 1,551 | 1,706 | 497   | 678   | 1,549 | 1,992 |
| Jack (Florida pompano)  | H | 447   | 281   | 164   | 126   | 272   | 91    | 263   | 106   | 181   | 110   |
|                         | R | 417   | 187   | 129   | 163   | 359   | 80    | 161   | 297   | 278   | 184   |
| King mackerel           | H | 287   | 242   | 340   | 515   | 349   | 292   | 183   | 133   | 114   | 73    |
|                         | R | 145   | 118   | 158   | 226   | 125   | 52    | 59    | 45    | 21    | 16    |
| Porgies (sheepshead)    | H | 202   | 389   | 243   | 255   | 237   | 227   | 352   | 287   | 267   | 253   |
|                         | R | 251   | 289   | 313   | 307   | 466   | 354   | 337   | 358   | 475   | 471   |
| Red drum                | H | 137   | 196   | 146   | 161   | 159   | 80    | 175   | 180   | 239   | 298   |
|                         | R | 1,006 | 1,406 | 848   | 758   | 889   | 521   | 1,414 | 1,051 | 799   | 1,542 |
| Spanish mackerel        | H | 369   | 513   | 323   | 456   | 503   | 369   | 513   | 406   | 247   | 533   |
|                         | R | 208   | 249   | 141   | 197   | 364   | 150   | 282   | 147   | 89    | 366   |

<sup>1</sup> Data is not available because all East Florida residents are considered coastal county residents.

East Florida's State Economy (% of national total)<sup>1</sup>

|          | Establishments | Employees      | Annual Payroll (million \$) | Employee Compensation (million \$) | Gross State Product (million \$) | Commercial Fishing Location Quotient <sup>2</sup> |
|----------|----------------|----------------|-----------------------------|------------------------------------|----------------------------------|---|
| 2004     | 484,938 (6.6%) | 6,864,987 (6%) | 219.79 (5.2%)               | 351.86 (5.2%)                      | 635.77 (5.2%)                    | 1.03  |
| 2011     | 502,414 (6.8%) | 6,932,382 (6%) | 280.30 (5.2%)               | 424.11 (4.9%)                      | 769.01 (4.8%)                    | 1.05  |
| % change | 3.5            | 1              | 21.6                        | 17                                 | 17.3                             | 1.9   |

Seafood Sales & Processing - Nonemployer Firms (thousands of dollars)

|                                   |          | 2004   | 2005   | 2006   | 2007   | 2008   | 2009   | 2010   | 2011   | 2012   |
|-----------------------------------|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Seafood product prep. & packaging | Firms    | 177    | 164    | 174    | 173    | 202    | 217    | 280    | 294    | 307    |
|                                   | Receipts | 8,652  | 8,756  | 10,184 | 10,497 | 11,065 | 12,473 | 14,635 | 14,618 | 17,557 |
| Seafood sales, retail             | Firms    | 247    | 247    | 251    | 319    | 331    | 316    | 361    | 362    | 383    |
|                                   | Receipts | 18,004 | 22,787 | 20,708 | 27,557 | 26,087 | 25,667 | 27,964 | 29,037 | 30,765 |

Seafood Sales & Processing - Employer Establishments (thousands of dollars)

|                                   |                | 2004   | 2005   | 2006   | 2007   | 2008   | 2009   | 2010   | 2011   | 2012   |
|-----------------------------------|----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Seafood product prep. & packaging | Establishments | 24     | 25     | 22     | 20     | 23     | 25     | 27     | 24     | 27     |
|                                   | Employees      | 2,193  | 1,616  | 1,704  | 1,748  | 1,637  | 1,143  | 1,269  | 1,095  | 1,608  |
|                                   | Payroll        | 65,881 | 47,529 | 62,801 | 58,233 | 53,455 | 46,235 | 45,772 | 42,612 | 51,735 |
| Seafood sales, wholesale          | Establishments | 261    | 258    | 259    | 267    | 229    | 215    | 229    | 250    | 226    |
|                                   | Employees      | 1,948  | 1,883  | 2,091  | 2,308  | 1,913  | 1,762  | 1,747  | 1,913  | 1,957  |
|                                   | Payroll        | 63,276 | 65,339 | 73,897 | 85,019 | 75,203 | 72,159 | 70,889 | 77,115 | 75,945 |
| Seafood sales, retail             | Establishments | 190    | 176    | 173    | 169    | 168    | 158    | 145    | 145    | 151    |
|                                   | Employees      | 977    | 970    | 936    | 989    | 991    | 885    | 865    | 849    | 945    |
|                                   | Payroll        | 17,575 | 19,192 | 19,513 | 20,595 | 21,604 | 21,182 | 20,783 | 20,158 | 21,577 |

Transport, Support, & Marine Operations - Employer Establishments (thousands of dollars)<sup>3</sup>

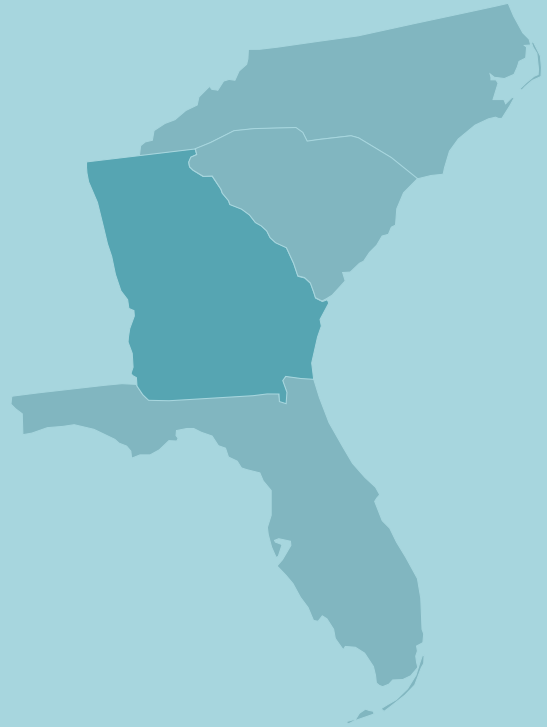
|  |                | 2004    | 2005    | 2006    | 2007    | 2008    | 2009    | 2010    | 2011    | 2012    |
|--|----------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Coastal & Great Lakes freight transportation | Establishments | 59      | 59      | 54      | 47      | 42      | 42      | 50      | 54      | 60      |
|  | Employees      | 1,132   | 1,150   | 1,217   | 1,242   | 1,106   | 972     | 709     | 753     | 1,381   |
|  | Payroll        | 80,422  | 71,420  | 91,638  | 94,429  | 50,115  | 37,774  | 50,217  | 53,341  | 100,402 |
| Deep sea freight transportation              | Establishments | 63      | 69      | 73      | 69      | 57      | 58      | 61      | 65      | 75      |
|  | Employees      | 2,567   | 2,622   | 3,729   | 3,190   | 2,486   | 2,801   | 2,279   | 2,374   | 3,345   |
|  | Payroll        | 150,701 | 207,300 | 226,810 | 208,144 | 169,055 | 180,139 | 159,025 | 177,386 | 231,887 |
| Deep sea passenger transportation            | Establishments | 32      | 31      | 37      | 34      | 31      | 33      | 29      | 29      | 39      |
|  | Employees      | 8,849   | 8,492   | 9,077   | ds      | ds      | ds      | ds      | ds      | ds      |
|  | Payroll        | 536,753 | 504,625 | 571,590 | ds      | ds      | ds      | ds      | ds      | ds      |
| Marinas                                      | Establishments | 532     | 551     | 513     | 493     | 442     | 428     | 430     | 411     | 432     |
|  | Employees      | 5,067   | 5,069   | 5,494   | 4,935   | 5,024   | 4,665   | 4,439   | 4,657   | 4,918   |
|  | Payroll        | 125,763 | 133,384 | 146,390 | 148,592 | 151,677 | 132,955 | 133,017 | 142,997 | 148,573 |
| Marine cargo handling                        | Establishments | 66      | 63      | 66      | 53      | 56      | 59      | 55      | 64      | 43      |
|  | Employees      | 5,671   | 6,409   | 7,266   | 6,585   | 8,052   | 7,288   | 7,547   | 7,484   | 4,598   |
|  | Payroll        | 175,257 | 177,983 | 189,020 | 173,788 | 192,473 | 185,309 | 191,560 | 195,458 | 86,461  |
| Navigational services to shipping            | Establishments | 149     | 148     | 142     | 145     | 147     | 145     | 145     | 150     | 151     |
|  | Employees      | 686     | 660     | 781     | 1,484   | 894     | 829     | 980     | 1,047   | 853     |
|  | Payroll        | 39,309  | 42,200  | 48,370  | 61,470  | 56,917  | 60,641  | 76,853  | 75,561  | 68,366  |
| Port & harbor operations                     | Establishments | 29      | 31      | 27      | 29      | 40      | 32      | 34      | 32      | 66      |
|  | Employees      | 1,045   | 973     | 584     | 459     | 712     | 527     | 470     | 377     | 2,082   |
|  | Payroll        | 24,327  | 22,606  | 19,417  | 12,872  | 24,668  | 19,006  | 20,525  | 16,879  | 72,554  |
| Ship & boat building                         | Establishments | 306     | 312     | 301     | 296     | 297     | 261     | 248     | 246     | 258     |
|  | Employees      | 12,503  | 12,729  | 12,385  | 12,332  | 12,419  | 8,221   | 7,363   | 7,909   | 8,621   |
|  | Payroll        | 443,379 | 454,209 | 427,888 | 469,382 | 442,096 | 296,537 | 302,909 | 325,942 | 374,831 |

<sup>1</sup> All data presented on this page are for the state of Florida, not West Florida.

<sup>2</sup> The US Commercial Fishing Location Quotient (CFLQ) is 1. A CFLQ less than (greater than) 1 implies that there is less (more) commercial fishing in this state than the national average.

<sup>3</sup> ds = these data are suppressed.

# Tables | Georgia



**2013 Economic Impacts of the Georgia Seafood Industry (thousands of dollars)**

|                                    | With Imports |           |         |             | Without Imports |        |        |             |
|------------------------------------|--------------|-----------|---------|-------------|-----------------|--------|--------|-------------|
|                                    | Jobs         | Sales     | Income  | Value Added | Jobs            | Sales  | Income | Value Added |
| Total Impacts                      | 13,763       | 1,932,077 | 424,934 | 701,661     | 1,564           | 70,547 | 27,900 | 37,952      |
| Commercial Harvesters              | 566          | 20,452    | 7,255   | 10,340      | 566             | 20,452 | 7,255  | 10,340      |
| Seafood Processors & Dealers       | 1,151        | 89,787    | 34,603  | 45,676      | 161             | 12,514 | 4,823  | 6,366       |
| Importers                          | 5,256        | 1,445,807 | 231,718 | 440,745     | 0               | 0      | 0      | 0           |
| Seafood Wholesalers & Distributors | 1,118        | 135,349   | 46,678  | 65,596      | 34              | 4,073  | 1,405  | 1,974       |
| Retail                             | 5,672        | 240,683   | 104,681 | 139,303     | 804             | 33,507 | 14,416 | 19,271      |

**Total Landings Revenue and Landings Revenue of Key Species/Species Groups (thousands of dollars)<sup>1</sup>**

|                    | 2004   | 2005   | 2006   | 2007   | 2008   | 2009   | 2010   | 2011   | 2012   | 2013   |
|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Total Revenue      | 14,374 | 13,465 | 11,534 | 11,331 | 13,081 | 11,761 | 13,731 | 16,179 | 16,625 | 11,806 |
| Finfish & Other    | 747    | 729    | 574    | 625    | 623    | 626    | 279    | 146    | 180    | 516    |
| Shellfish          | 13,627 | 12,736 | 10,960 | 10,706 | 12,458 | 11,135 | 13,452 | 16,033 | 16,445 | 11,290 |
| <b>Key Species</b> |        |        |        |        |        |        |        |        |        |        |
| Blue crab          | 2,508  | 3,096  | 2,959  | 3,767  | 3,910  | 3,839  | 2,648  | 3,341  | 4,259  | 3,994  |
| Clams              | 426    | 658    | 298    | 290    | 383    | 473    | 430    | 605    | 603    | 563    |
| Groupers           | NA     | NA     | NA     | 123    | NA     | NA     | NA     | NA     | NA     | NA     |
| Shrimp             | 10,589 | 8,936  | 7,640  | 6,446  | 7,877  | 6,608  | 10,103 | 11,398 | 11,045 | 5,774  |
| Snails (conchs)    | 4      | 3      | 6      | 1      | 6      | 11     | 27     | 39     | 27     | 1      |
| Snappers           | NA     | NA     | NA     | 269    | NA     | NA     | NA     | NA     | NA     | NA     |

**Total Landings and Landings of Key Species/Species Groups (thousands of pounds)<sup>1</sup>**

|                    | 2004  | 2005  | 2006  | 2007  | 2008  | 2009  | 2010  | 2011   | 2012   | 2013   |
|--------------------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| Total Landings     | 9,659 | 9,638 | 8,294 | 7,908 | 8,930 | 7,424 | 7,220 | 12,795 | 10,557 | 10,570 |
| Finfish & Other    | 420   | 401   | 285   | 304   | 267   | 306   | 168   | 83     | 111    | 116    |
| Shellfish          | 9,239 | 9,237 | 8,009 | 7,603 | 8,663 | 7,118 | 7,053 | 12,712 | 10,447 | 10,454 |
| <b>Key Species</b> |       |       |       |       |       |       |       |        |        |        |
| Blue crab          | 2,963 | 4,302 | 4,091 | 4,421 | 4,227 | 3,598 | 2,329 | 3,427  | 4,265  | 3,229  |
| Clams              | 70    | 112   | 46    | 49    | 54    | 76    | 81    | 107    | 98     | 105    |
| Groupers           | NA    | NA    | NA    | 37    | NA    | NA    | NA    | NA     | NA     | NA     |
| Shrimp             | 5,090 | 4,531 | 3,851 | 2,797 | 3,132 | 3,324 | 4,553 | 4,355  | 3,928  | 1,900  |
| Snails (conchs)    | 4     | 3     | 5     | 1     | 5     | 11    | 18    | 30     | 18     | 1      |
| Snappers           | NA    | NA    | NA    | 93    | NA    | NA    | NA    | NA     | NA     | NA     |

**Average Annual Price of Key Species/Species Groups (dollars per pound)<sup>1</sup>**

|                 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-----------------|------|------|------|------|------|------|------|------|------|------|
| Blue crab       | 0.85 | 0.72 | 0.72 | 0.85 | 0.92 | 1.07 | 1.14 | 0.97 | 1.00 | 1.24 |
| Clams           | 6.10 | 5.85 | 6.49 | 5.89 | 7.03 | 6.24 | 5.30 | 5.68 | 6.18 | 5.34 |
| Groupers        | NA   | NA   | NA   | 3.33 | NA   | NA   | NA   | NA   | NA   | NA   |
| Shrimp          | 2.08 | 1.97 | 1.98 | 2.30 | 2.51 | 1.99 | 2.22 | 2.62 | 2.81 | 3.04 |
| Snails (conchs) | 1.10 | 1.03 | 1.22 | 1.25 | 1.31 | 1.00 | 1.50 | 1.30 | 1.52 | 1.65 |
| Snappers        | NA   | NA   | NA   | 2.89 | NA   | NA   | NA   | NA   | NA   | NA   |

<sup>1</sup> NA = these data are confidential thus not disclosable.



**2013 Economic Impacts of Georgia Recreational Fishing Expenditures (thousands of dollars)**

|                              |              | Jobs  | Sales   | Income | Value Added |
|------------------------------|--------------|-------|---------|--------|-------------|
| Trip Impacts by Fishing Mode | For-Hire     | 95    | 8,908   | 3,550  | 5,044       |
|                              | Private Boat | 178   | 17,095  | 6,497  | 10,643      |
|                              | Shore        | 157   | 15,033  | 5,496  | 8,989       |
| Total Durable Expenditures   |              | 1,747 | 173,447 | 73,040 | 112,981     |
| Total State Economic Impacts |              | 2,177 | 214,483 | 88,583 | 137,657     |

**2013 Angler Trip & Durable Expenditures (thousands of dollars)**

| Fishing Mode  | Trip Expenditures |           | Equipment                  | Durable Goods Expenditures |
|---|-------------------|-----------|----------------------------|----------------------------|
|   | Non-residents     | Residents |                            |                            |
| For-Hire  | 2,768             | 1,928     | Fishing Tackle             | 48,665                     |
| Private Boat  | 889               | 14,186    | Other Equipment            | 12,606                     |
| Shore   | 3,372             | 7,577     | Boat Expenses              | 111,191                    |
| Total   | 7,029             | 23,692    | Vehicle Expenses           | 12,449                     |
|   |                   |           | Second Home Expenses       | 0                          |
|   |                   |           | Total Durable Expenditures | 184,911                    |
| Total State Trip and Durable Equipment Expenditures |                   |           |                            | 215,632                    |

**Recreational Anglers by Residential Area (thousands of anglers)**

|               | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|---------------|------|------|------|------|------|------|------|------|------|------|
| Coastal       | 104  | 135  | 121  | 149  | 190  | 146  | 145  | 146  | 134  | 99   |
| Non-Coastal   | 120  | 67   | 66   | 115  | 154  | 91   | 136  | 131  | 96   | 72   |
| Out-of-State  | 53   | 43   | 33   | 45   | 98   | 45   | 61   | 78   | 74   | 53   |
| Total Anglers | 278  | 245  | 219  | 308  | 441  | 282  | 342  | 355  | 303  | 225  |

**Recreational Fishing Effort by Mode (thousands of angler-trips)**

|             | 2004 | 2005 | 2006 | 2007  | 2008  | 2009 | 2010  | 2011 | 2012 | 2013 |
|-------------|------|------|------|-------|-------|------|-------|------|------|------|
| For-Hire    | 26   | 25   | 29   | 31    | 17    | 16   | 7.4   | 16   | 20   | 21   |
| Private     | 486  | 538  | 480  | 577   | 731   | 516  | 530.2 | 620  | 496  | 387  |
| Shore       | 457  | 370  | 289  | 421   | 456   | 311  | 335.2 | 335  | 376  | 283  |
| Total Trips | 969  | 933  | 798  | 1,029 | 1,204 | 842  | 872.8 | 970  | 892  | 690  |

**Harvest (H) and Release (R) of Key Species Species Groups (thousands of fish)<sup>1</sup>**

|                          |   | 2004 | 2005 | 2006 | 2007  | 2008 | 2009 | 2010 | 2011 | 2012  | 2013 |
|--------------------------|---|------|------|------|-------|------|------|------|------|-------|------|
| Black drum               | H | 19   | 20   | 20   | 51    | 92   | 15   | 70   | 11   | 19    | 19   |
|                          | R | 42   | 11   | 29   | 35    | 65   | 23   | 40   | 5    | 20    | 10   |
| Black sea bass           | H | 71   | 86   | 67   | 35    | 99   | 18   | 14   | 44   | 15    | 81   |
|                          | R | 143  | 218  | 184  | 292   | 581  | 112  | 162  | 226  | 135   | 295  |
| Bluefish                 | H | (1)  | 4    | 3    | 11    | 8    | 1    | 13   | 3    | 6     | 3    |
|                          | R | 16   | 21   | 23   | 103   | 117  | 72   | 107  | 70   | 52    | 7    |
| Drum (Atlantic croaker)  | H | 39   | 39   | 34   | 45    | 38   | 82   | 35   | 44   | 38    | 55   |
|                          | R | 154  | 281  | 284  | 229   | 294  | 435  | 264  | 262  | 168   | 299  |
| Drum (southern kingfish) | H | 661  | 511  | 448  | 575   | 697  | 587  | 585  | 873  | 377   | 396  |
|                          | R | 818  | 563  | 668  | 625   | 873  | 559  | 465  | 668  | 605   | 287  |
| Drum (spotted seatrout)  | H | 341  | 242  | 378  | 577   | 642  | 506  | 384  | 290  | 527   | 237  |
|                          | R | 610  | 642  | 809  | 1,039 | 721  | 915  | 742  | 552  | 1,029 | 321  |
| Porgies (sheepshead)     | H | 82   | 65   | 36   | 59    | 65   | 52   | 104  | 138  | 59    | 42   |
|                          | R | 26   | 57   | 52   | 85    | 98   | 32   | 38   | 45   | 29    | 39   |
| Red drum                 | H | 139  | 105  | 69   | 113   | 133  | 69   | 195  | 107  | 46    | 74   |
|                          | R | 142  | 334  | 137  | 226   | 314  | 168  | 483  | 213  | 90    | 199  |
| Sharks <sup>2</sup>      | H | 1    | 2    | (1)  | 2     | 3    | 1    | (1)  | 3    | 1     | (1)  |
|                          | R | 293  | 366  | 356  | 581   | 518  | 330  | 267  | 297  | 322   | 225  |
| Southern flounder        | H | 53   | 38   | 23   | 92    | 49   | 34   | 35   | 28   | 18    | 19   |
|                          | R | 33   | 8    | 17   | (1)   | 1    | 10   | 3    | 12   | 5     | 7    |

<sup>1</sup> In this table, '(1)' = 0-999 thousand fish and '1' = 1,000-1,499 thousand fish.

<sup>2</sup> Sharks include species within the requiem shark family, blacktip sharks, Atlantic sharpnose sharks, and unidentified sharks.

Georgia's State Economy (% of national total)

|          | Establishments | Employees        | Annual Payroll (million \$) | Employee Compensation (million \$) | Gross State Product (million \$) | Commercial Fishing Location Quotient <sup>1</sup> |
|----------|----------------|------------------|-----------------------------|------------------------------------|----------------------------------|---|
| 2004     | 214,714 (2.9%) | 3,452,451 (3%)   | 121.34 (2.9%)               | 193.47 (2.9%)                      | 352.88 (2.9%)                    | 0.13  |
| 2011     | 216,308 (2.9%) | 3,390,540 (2.9%) | 149.29 (2.8%)               | 240.97 (2.8%)                      | 438.32 (2.7%)                    | 0.08  |
| % change | 0.7            | -1.8             | 18.7                        | 19.7                               | 19.5                             | -62.5   |

Seafood Sales & Processing - Nonemployer Firms (thousands of dollars)

|                                   |          | 2004  | 2005  | 2006  | 2007  | 2008  | 2009  | 2010  | 2011  | 2012  |
|-----------------------------------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Seafood product prep. & packaging | Firms    | 29    | 24    | 21    | 34    | 45    | 51    | 52    | 61    | 71    |
|                                   | Receipts | 2,030 | 2,642 | 1,957 | 2,187 | 3,489 | 3,817 | 5,458 | 5,540 | 4,974 |
| Seafood sales, retail             | Firms    | 69    | 64    | 78    | 87    | 101   | 98    | 96    | 89    | 97    |
|                                   | Receipts | 4,855 | 6,625 | 7,180 | 8,671 | 6,922 | 5,701 | 6,474 | 8,646 | 8,233 |

Seafood Sales & Processing - Employer Establishments (thousands of dollars)<sup>2</sup>

|                                   |                | 2004   | 2005   | 2006   | 2007   | 2008   | 2009   | 2010   | 2011   | 2012   |
|-----------------------------------|----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Seafood product prep. & packaging | Establishments | 11     | 11     | 8      | 6      | 7      | 6      | 6      | 5      | 6      |
|                                   | Employees      | ds     | 1,155  | 1,164  | ds     | ds     | ds     | 1,056  | 1,022  | 854    |
|                                   | Payroll        | ds     | 39,839 | 43,637 | ds     | ds     | ds     | 37,343 | 39,433 | 32,928 |
| Seafood sales, wholesale          | Establishments | 36     | 29     | 30     | 42     | 30     | 33     | 36     | 28     | 18     |
|                                   | Employees      | 619    | 640    | 659    | 688    | 565    | 532    | 514    | 562    | 468    |
|                                   | Payroll        | 31,012 | 32,781 | 31,654 | 31,033 | 20,122 | 18,628 | 20,075 | 20,660 | 15,459 |
| Seafood sales, retail             | Establishments | 50     | 59     | 55     | 44     | 48     | 42     | 48     | 51     | 54     |
|                                   | Employees      | 159    | 185    | 184    | 179    | 160    | 162    | 176    | 176    | 214    |
|                                   | Payroll        | 2,437  | 2,753  | 2,724  | 2,633  | 2,433  | 2,447  | 2,502  | 2,566  | 3,425  |

Transport, Support, & Marine Operations - Employer Establishments (thousands of dollars)<sup>2,3</sup>

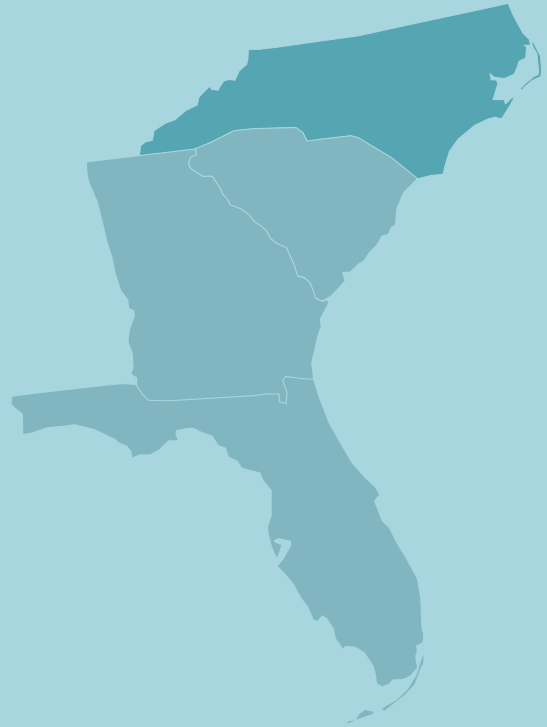
|  |                | 2004   | 2005   | 2006    | 2007    | 2008   | 2009   | 2010   | 2011    | 2012   |
|--|----------------|--------|--------|---------|---------|--------|--------|--------|---------|--------|
| Coastal & Great Lakes freight transportation | Establishments | 6      | 7      | 6       | 6       | 6      | 5      | 4      | 4       | 3      |
|  | Employees      | ds     | ds     | ds      | 33      | 28     | ds     | ds     | ds      | ds     |
|  | Payroll        | ds     | ds     | ds      | 1,883   | 2,040  | 1,700  | ds     | ds      | ds     |
| Deep sea freight transportation              | Establishments | 18     | 19     | 15      | 13      | 14     | 13     | 14     | 12      | 12     |
|  | Employees      | 185    | 193    | ds      | 132     | 156    | 29     | ds     | 51      | 236    |
|  | Payroll        | 10,306 | 10,658 | ds      | 10,090  | 11,275 | 2,192  | 2,465  | 4,833   | 11,238 |
| Deep sea passenger transportation            | Establishments | 0      | 0      | 0       | 1       | 0      | 0      | 0      | 1       | 1      |
|  | Employees      | NA     | NA     | NA      | ds      | NA     | NA     | NA     | ds      | ds     |
|  | Payroll        | NA     | NA     | NA      | ds      | NA     | NA     | NA     | ds      | ds     |
| Marinas                                      | Establishments | 57     | 60     | 66      | 68      | 60     | 58     | 62     | 63      | 63     |
|  | Employees      | ds     | ds     | ds      | 569     | 527    | 541    | 631    | 580     | 636    |
|  | Payroll        | ds     | ds     | ds      | 12,701  | 15,571 | 15,736 | 17,428 | 16,986  | 17,921 |
| Marine cargo handling                        | Establishments | 18     | 17     | 17      | 17      | 17     | 18     | 17     | 20      | 10     |
|  | Employees      | 2,018  | 2,350  | 3,003   | 2,501   | 2,660  | 3,707  | 2,971  | 4,655   | ds     |
|  | Payroll        | 68,696 | 80,706 | 104,596 | 110,857 | 97,869 | 87,410 | 84,675 | 108,674 | ds     |
| Navigational services to shipping            | Establishments | 8      | 8      | 10      | 11      | 11     | 9      | 8      | 8       | 10     |
|  | Employees      | ds     | 136    | ds      | 217     | 182    | ds     | ds     | ds      | ds     |
|  | Payroll        | ds     | 7,784  | ds      | 11,141  | 10,193 | 12,185 | 11,237 | ds      | ds     |
| Port & harbor operations                     | Establishments | 7      | 6      | 5       | 4       | 5      | 5      | 4      | 2       | 13     |
|  | Employees      | ds     | ds     | 196     | 98      | ds     | ds     | ds     | ds      | ds     |
|  | Payroll        | ds     | ds     | 3,303   | 3,108   | ds     | ds     | ds     | ds      | ds     |
| Ship & boat building                         | Establishments | 20     | 17     | 16      | 21      | 20     | 14     | 12     | 15      | 14     |
|  | Employees      | ds     | ds     | 1,967   | 2,225   | 2,159  | ds     | ds     | ds      | ds     |
|  | Payroll        | ds     | ds     | 64,667  | 68,646  | 69,096 | ds     | ds     | ds      | ds     |

<sup>1</sup> The US Commercial Fishing Location Quotient (CFLQ) is 1. A CFLQ less than (greater than) 1 implies that there is less (more) commercial fishing in this state than the national average.

<sup>2</sup> ds = these data are suppressed.

<sup>3</sup> NA = not applicable.

# Tables | North Carolina



**2013 Economic Impacts of the North Carolina Seafood Industry (thousands of dollars)**

|                                    | With Imports |         |         |             | Without Imports |         |         |             |
|------------------------------------|--------------|---------|---------|-------------|-----------------|---------|---------|-------------|
|                                    | Jobs         | Sales   | Income  | Value Added | Jobs            | Sales   | Income  | Value Added |
| Total Impacts                      | 9,579        | 821,508 | 231,047 | 343,855     | 5,744           | 274,004 | 113,697 | 150,534     |
| Commercial Harvesters              | 2,436        | 132,801 | 54,196  | 73,575      | 2,436           | 132,801 | 54,196  | 73,575      |
| Seafood Processors & Dealers       | 1,101        | 72,965  | 28,369  | 36,659      | 455             | 30,004  | 11,666  | 15,075      |
| Importers                          | 1,539        | 423,435 | 67,864  | 129,082     | 0               | 0       | 0       | 0           |
| Seafood Wholesalers & Distributors | 453          | 48,219  | 16,911  | 22,321      | 137             | 14,558  | 5,106   | 6,739       |
| Retail                             | 4,050        | 144,088 | 63,707  | 82,218      | 2,717           | 96,641  | 42,729  | 55,145      |

**Total Landings Revenue and Landings Revenue of Key Species/Species Groups (thousands of dollars)**

|                 | 2004   | 2005   | 2006   | 2007   | 2008   | 2009   | 2010   | 2011   | 2012   | 2013   |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Total Revenue   | 79,703 | 64,890 | 70,121 | 82,285 | 86,822 | 77,196 | 79,361 | 71,183 | 72,906 | 79,092 |
| Finfish & Other | 38,910 | 34,901 | 37,716 | 36,203 | 34,445 | 34,005 | 33,153 | 31,309 | 31,051 | 29,875 |
| Shellfish       | 40,793 | 29,989 | 32,405 | 46,082 | 52,377 | 43,192 | 46,208 | 39,874 | 41,855 | 49,217 |

**Key Species**

|                  |        |        |        |        |        |        |        |        |        |        |
|------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Atlantic croaker | 3,528  | 3,409  | 3,563  | 2,714  | 3,142  | 3,004  | 3,491  | 3,164  | 2,136  | 1,724  |
| Black sea bass   | 1,486  | 1,332  | 1,715  | 1,195  | 1,156  | 1,401  | 953    | 628    | 688    | 869    |
| Blue crab        | 24,465 | 20,274 | 17,087 | 21,432 | 27,555 | 27,429 | 26,425 | 21,282 | 22,809 | 29,993 |
| Clams            | 3,390  | 2,798  | 2,656  | 2,660  | 2,435  | 2,086  | 2,359  | 1,933  | 2,130  | 2,349  |
| Flounders        | 11,503 | 10,963 | 13,301 | 11,335 | 10,886 | 10,124 | 10,845 | 8,890  | 7,421  | 7,059  |
| Groupers         | 1,124  | 1,214  | 1,559  | 1,995  | 1,939  | 1,609  | 1,512  | 1,302  | 1,206  | 1,041  |
| King mackerel    | 1,573  | 2,054  | 2,120  | 1,967  | 1,632  | 1,500  | 650    | 1,062  | 831    | 877    |
| Shrimp           | 9,463  | 4,409  | 9,141  | 17,905 | 19,251 | 8,528  | 10,804 | 10,886 | 13,333 | 12,946 |
| Snappers         | 873    | 1,116  | 953    | 1,601  | 1,784  | 1,073  | 963    | 1,004  | 900    | 917    |
| Tunas            | 3,317  | 3,321  | 4,060  | 4,046  | 3,393  | 2,922  | 1,193  | 2,437  | 4,398  | 3,207  |

**Total Landings and Landings of Key Species/Species Groups (thousands of pounds)**

|                 | 2004    | 2005   | 2006   | 2007   | 2008   | 2009   | 2010   | 2011   | 2012   | 2013   |
|-----------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Total Landings  | 134,078 | 79,607 | 68,744 | 62,871 | 71,209 | 68,955 | 71,994 | 67,487 | 56,671 | 50,180 |
| Finfish & Other | 91,383  | 49,435 | 35,675 | 30,440 | 27,706 | 32,421 | 32,519 | 29,806 | 22,782 | 22,077 |
| Shellfish       | 42,696  | 30,172 | 33,069 | 32,432 | 43,503 | 36,534 | 39,474 | 37,681 | 33,889 | 28,103 |

**Key Species**

|                  |        |        |        |        |        |        |        |        |        |        |
|------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Atlantic croaker | 11,993 | 11,903 | 10,397 | 7,271  | 5,792  | 6,135  | 7,312  | 5,054  | 3,107  | 1,929  |
| Black sea bass   | 881    | 690    | 778    | 473    | 485    | 615    | 401    | 272    | 256    | 330    |
| Blue crab        | 34,129 | 25,430 | 25,343 | 21,425 | 32,917 | 29,707 | 30,683 | 30,035 | 26,787 | 22,191 |
| Clams            | 551    | 418    | 427    | 438    | 400    | 359    | 366    | 302    | 404    | 356    |
| Flounders        | 7,302  | 5,937  | 6,272  | 4,754  | 5,009  | 5,256  | 5,001  | 4,102  | 2,736  | 2,728  |
| Groupers         | 478    | 481    | 587    | 701    | 683    | 553    | 493    | 366    | 327    | 261    |
| King mackerel    | 955    | 1,246  | 1,186  | 1,059  | 1,037  | 778    | 329    | 408    | 297    | 345    |
| Shrimp           | 4,881  | 2,358  | 5,737  | 9,537  | 9,427  | 5,408  | 5,955  | 5,140  | 6,141  | 4,860  |
| Snappers         | 339    | 433    | 345    | 550    | 603    | 374    | 320    | 326    | 279    | 276    |
| Tunas            | 1,424  | 1,271  | 1,982  | 1,836  | 1,041  | 1,028  | 703    | 1,056  | 1,482  | 1,283  |

**Average Annual Price of Key Species/Species Groups (dollars per pound)**

|                  | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|------------------|------|------|------|------|------|------|------|------|------|------|
| Atlantic croaker | 0.29 | 0.29 | 0.34 | 0.37 | 0.54 | 0.49 | 0.48 | 0.63 | 0.69 | 0.89 |
| Black sea bass   | 1.69 | 1.93 | 2.21 | 2.53 | 2.39 | 2.28 | 2.38 | 2.31 | 2.69 | 2.64 |
| Blue crab        | 0.72 | 0.80 | 0.67 | 1.00 | 0.84 | 0.92 | 0.86 | 0.71 | 0.85 | 1.35 |
| Clams            | 6.15 | 6.69 | 6.21 | 6.08 | 6.09 | 5.82 | 6.44 | 6.39 | 5.28 | 6.61 |
| Flounders        | 1.58 | 1.85 | 2.12 | 2.38 | 2.17 | 1.93 | 2.17 | 2.17 | 2.71 | 2.59 |
| Groupers         | 2.35 | 2.52 | 2.65 | 2.84 | 2.84 | 2.91 | 3.07 | 3.56 | 3.69 | 3.98 |
| King mackerel    | 1.65 | 1.65 | 1.79 | 1.86 | 1.57 | 1.93 | 1.98 | 2.60 | 2.79 | 2.54 |
| Shrimp           | 1.94 | 1.87 | 1.59 | 1.88 | 2.04 | 1.58 | 1.81 | 2.12 | 2.17 | 2.66 |
| Snappers         | 2.57 | 2.58 | 2.76 | 2.91 | 2.96 | 2.87 | 3.01 | 3.08 | 3.22 | 3.32 |
| Tunas            | 2.33 | 2.61 | 2.05 | 2.20 | 3.26 | 2.84 | 1.70 | 2.31 | 2.97 | 2.50 |

**2013 Economic Impacts of North Carolina Recreational Fishing Expenditures (thousands of dollars)**

|                              |              | Jobs   | Sales     | Income  | Value Added |
|------------------------------|--------------|--------|-----------|---------|-------------|
| Trip Impacts by Fishing Mode | For-Hire     | 585    | 55,108    | 21,898  | 31,429      |
|                              | Private Boat | 1,575  | 157,514   | 58,421  | 95,738      |
|                              | Shore        | 3,320  | 312,739   | 111,053 | 184,018     |
| Total Durable Expenditures   |              | 10,669 | 1,076,031 | 442,383 | 677,887     |
| Total State Economic Impacts |              | 16,149 | 1,601,392 | 633,755 | 989,072     |

**2013 Angler Trip & Durable Expenditures (thousands of dollars)**

| Fishing Mode  | Trip Expenditures |           | Equipment                  | Durable Goods Expenditures |
|---|-------------------|-----------|----------------------------|----------------------------|
|   | Non-residents     | Residents | Fishing Tackle             |                            |
| For-Hire  | 23,585            | 9,394     | Other Equipment            | 86,516                     |
| Private Boat  | 17,819            | 121,945   | Boat Expenses              | 468,651                    |
| Shore   | 100,687           | 128,762   | Vehicle Expenses           | 427,755                    |
| Total   | 142,091           | 260,101   | Second Home Expenses       | 63,165                     |
|   |                   |           | Total Durable Expenditures | 1,301,126                  |
| Total State Trip and Durable Equipment Expenditures |                   |           |                            | 1,703,318                  |

**Recreational Anglers by Residential Area (thousands of anglers)**

|               | 2004  | 2005  | 2006  | 2007  | 2008  | 2009  | 2010  | 2011  | 2012  | 2013  |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Coastal       | 613   | 685   | 588   | 564   | 587   | 446   | 544   | 490   | 614   | 564   |
| Non-Coastal   | 290   | 285   | 265   | 265   | 303   | 259   | 296   | 254   | 283   | 240   |
| Out-of-State  | 1,156 | 1,280 | 1,374 | 1,079 | 1,079 | 976   | 1,073 | 755   | 764   | 601   |
| Total Anglers | 2,058 | 2,250 | 2,227 | 1,908 | 1,970 | 1,681 | 1,914 | 1,499 | 1,661 | 1,405 |

**Recreational Fishing Effort by Mode (thousands of angler-trips)**

|             | 2004  | 2005  | 2006  | 2007  | 2008  | 2009  | 2010  | 2011  | 2012  | 2013  |
|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| For-Hire    | 183   | 259   | 234   | 218   | 192   | 146   | 165   | 152   | 160   | 111   |
| Private     | 2,640 | 2,346 | 2,452 | 2,671 | 2,461 | 2,005 | 2,199 | 1,899 | 2,061 | 2,101 |
| Shore       | 4,089 | 3,938 | 4,178 | 3,445 | 4,246 | 3,158 | 3,313 | 2,690 | 3,082 | 2,756 |
| Total Trips | 6,913 | 6,543 | 6,864 | 6,333 | 6,898 | 5,309 | 5,678 | 4,740 | 5,303 | 4,968 |

**Harvest (H) and Release (R) of Key Species Species Groups (thousands of fish)<sup>1</sup>**

|                                  |   | 2004  | 2005  | 2006  | 2007  | 2008  | 2009  | 2010  | 2011  | 2012  | 2013  |
|----------------------------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Black sea bass                   | H | 397   | 231   | 125   | 110   | 58    | 107   | 139   | 95    | 76    | 50    |
|                                  | R | 1,300 | 1,195 | 1,176 | 952   | 560   | 667   | 1,104 | 1,063 | 2,085 | 1,368 |
| Bluefish                         | H | 1,231 | 1,382 | 917   | 1,258 | 1,178 | 828   | 1,104 | 1,153 | 889   | 1,184 |
|                                  | R | 1,762 | 2,044 | 1,836 | 2,377 | 2,136 | 1,553 | 2,221 | 1,923 | 1,036 | 1,873 |
| Dolphinfish                      | H | 268   | 663   | 522   | 533   | 358   | 367   | 499   | 472   | 327   | 212   |
|                                  | R | 5     | 2     | 24    | 5     | 2     | 3     | 5     | 8     | 2     | 3     |
| Drum (Atlantic croaker and spot) | H | 4,337 | 3,340 | 3,535 | 3,539 | 2,163 | 1,425 | 1,313 | 1,454 | 1,073 | 1,876 |
|                                  | R | 2,914 | 2,736 | 5,167 | 2,805 | 2,742 | 3,134 | 2,469 | 2,798 | 2,014 | 3,298 |
| Drum (spotted seatrout)          | H | 285   | 586   | 565   | 531   | 655   | 608   | 195   | 216   | 501   | 369   |
|                                  | R | 261   | 1,059 | 595   | 849   | 881   | 1,213 | 1,685 | 1,916 | 1,647 | 1,427 |
| Flounder (lefteye and summer)    | H | 188   | 156   | 150   | 190   | 71    | 100   | 143   | 92    | 106   | 91    |
|                                  | R | 1,341 | 878   | 925   | 1,090 | 1,689 | 1,213 | 1,586 | 990   | 1,397 | 1,529 |
| King mackerel                    | H | 148   | 139   | 143   | 269   | 105   | 91    | 37    | 15    | 28    | 23    |
|                                  | R | 79    | 73    | 32    | 44    | 25    | 12    | 7     | 1     | 3     | 5     |
| Spanish mackerel                 | H | 326   | 336   | 306   | 495   | 744   | 678   | 484   | 368   | 491   | 497   |
|                                  | R | 150   | 180   | 96    | 259   | 449   | 312   | 294   | 171   | 235   | 289   |
| Striped bass                     | H | 432   | 137   | 99    | 49    | 36    | 12    | 34    | 106   | 8     | 20    |
|                                  | R | 585   | 124   | 63    | 82    | 175   | 121   | 108   | 296   | 176   | 124   |
| Yellowfin tuna                   | H | 169   | 181   | 166   | 102   | 26    | 29    | 23    | 26    | 57    | 45    |
|                                  | R | 10    | 8     | 13    | 1     | (1)   | 1     | 1     | (1)   | 4     | 1     |

<sup>1</sup> In this table, '(1)' = 0-999 thousand fish and '1' = 1,000-1,499 thousand fish.

North Carolina's State Economy (% of national total)

|          | Establishments | Employees        | Annual Payroll (\$ billions) | Employee Compensation (\$ billions) | Gross State Product (\$ billions) | Commercial Fishing Location Quotient <sup>1</sup> |
|----------|----------------|------------------|------------------------------|-------------------------------------|-----------------------------------|---|
| 2004     | 213,057 (2.9%) | 3,365,633 (2.9%) | 109.57 (2.6%)                | 179.05 (2.7%)                       | 331.60 (2.7%)                     | 0.39  |
| 2012     | 217,404 (2.9%) | 3,352,151 (2.9%) | 137.93 (2.5%)                | 233.41 (2.7%)                       | 452.36 (2.8%)                     | 0.13  |
| % change | 2              | -0.4             | 20.6                         | 23.3                                | 26.7                              | -200  |

Seafood Sales & Processing - Nonemployer Firms (thousands of dollars)<sup>2</sup>

|                                   |          | 2004   | 2005   | 2006   | 2007   | 2008   | 2009   | 2010  | 2011   | 2012   |
|-----------------------------------|----------|--------|--------|--------|--------|--------|--------|-------|--------|--------|
| Seafood product prep. & packaging | Firms    | 27     | 26     | 27     | 30     | ds     | 34     | 40    | 50     | 46     |
|                                   | Receipts | 1,515  | 1,106  | 1,084  | 1,813  | ds     | 1,297  | 1,652 | 2,705  | 1,630  |
| Seafood sales, retail             | Firms    | 144    | 130    | 115    | 150    | 114    | 140    | 126   | 144    | 136    |
|                                   | Receipts | 12,294 | 10,913 | 11,342 | 14,999 | 10,918 | 12,188 | 9,057 | 10,386 | 11,990 |

Seafood Sales & Processing - Employer Establishments (thousands of dollars)<sup>2</sup>

|                                   |                | 2004   | 2005   | 2006   | 2007   | 2008   | 2009   | 2010   | 2011   | 2012   |
|-----------------------------------|----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Seafood product prep. & packaging | Establishments | 18     | 17     | 18     | 22     | 18     | 16     | 16     | 14     | 12     |
|                                   | Employees      | ds     | ds     | 475    | ds     | 232    | 170    | 171    | ds     | ds     |
|                                   | Payroll        | ds     | ds     | 11,563 | 12,659 | 5,373  | 4,461  | 4,749  | 4,830  | 5,084  |
| Seafood sales, wholesale          | Establishments | 72     | 77     | 70     | 71     | 65     | 66     | 66     | 64     | 59     |
|                                   | Employees      | 627    | 703    | 582    | 597    | 559    | 584    | 590    | 603    | 793    |
|                                   | Payroll        | 17,411 | 17,577 | 16,543 | 15,655 | 16,843 | 17,383 | 18,348 | 19,344 | 23,949 |
| Seafood sales, retail             | Establishments | 88     | 90     | 89     | 86     | 90     | 77     | 82     | 84     | 88     |
|                                   | Employees      | 340    | 316    | 250    | 241    | 219    | 243    | 247    | 244    | 289    |
|                                   | Payroll        | 4,234  | 4,185  | 4,129  | 4,170  | 4,143  | 4,494  | 5,017  | 5,250  | 5,860  |

Transport, Support, & Marine Operations - Employer Establishments (thousands of dollars)<sup>2,3</sup>

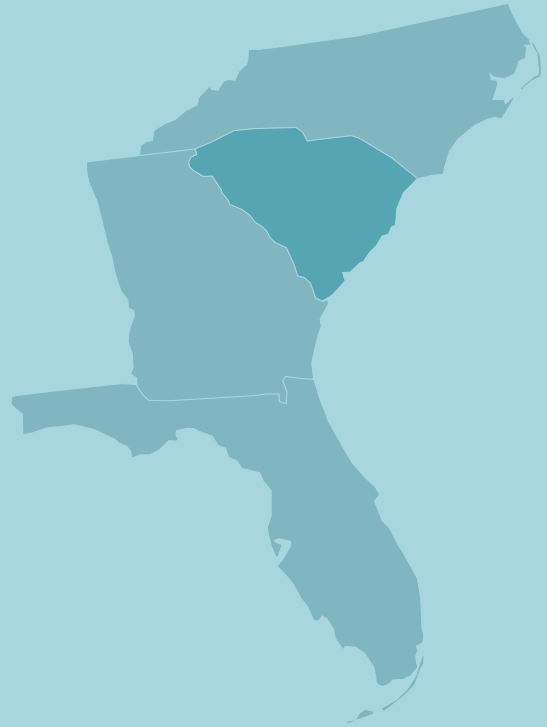
|  |                | 2004    | 2005    | 2006    | 2007   | 2008    | 2009   | 2010   | 2011   | 2012   |
|--|----------------|---------|---------|---------|--------|---------|--------|--------|--------|--------|
| Coastal & Great Lakes freight transportation | Establishments | 5       | 5       | 4       | 6      | 4       | 6      | 4      | 5      | 6      |
|  | Employees      | ds      | ds      | ds      | 54     | ds      | ds     | ds     | ds     | ds     |
|  | Payroll        | ds      | ds      | ds      | 2,061  | ds      | 2,366  | ds     | ds     | ds     |
| Deep sea freight transportation              | Establishments | 7       | 7       | 8       | 6      | 5       | 6      | 10     | 8      | 7      |
|  | Employees      | ds      | ds      | ds      | ds     | ds      | 9      | ds     | ds     | 25     |
|  | Payroll        | ds      | ds      | ds      | 510    | 533     | 617    | ds     | ds     | 1,579  |
| Deep sea passenger transportation            | Establishments | 2       | 2       | 1       | 1      | 0       | 1      | 0      | 1      | 0      |
|  | Employees      | ds      | ds      | ds      | ds     | NA      | ds     | NA     | ds     | NA     |
|  | Payroll        | ds      | ds      | ds      | ds     | NA      | ds     | NA     | ds     | NA     |
| Marinas                                      | Establishments | 97      | 103     | 103     | 96     | 107     | 105    | 102    | 104    | 102    |
|  | Employees      | 644     | 654     | 681     | 522    | 656     | 501    | 536    | 524    | 531    |
|  | Payroll        | 16,529  | 16,530  | 16,616  | 14,922 | 17,164  | 15,858 | 16,238 | 16,187 | 15,975 |
| Marine cargo handling                        | Establishments | 10      | 12      | 9       | 13     | 13      | 12     | 11     | 14     | 6      |
|  | Employees      | 668     | 641     | 757     | 652    | 760     | 914    | 600    | ds     | ds     |
|  | Payroll        | 28,676  | 25,988  | 19,736  | 25,164 | 23,328  | 20,707 | 20,755 | ds     | ds     |
| Navigational services to shipping            | Establishments | 6       | 8       | 7       | 14     | 10      | 11     | 13     | 11     | 8      |
|  | Employees      | ds      | ds      | ds      | 102    | 87      | 96     | 94     | 86     | 90     |
|  | Payroll        | ds      | ds      | ds      | 3,773  | 3,668   | 4,313  | 3,968  | 4,041  | 3,203  |
| Port & harbor operations                     | Establishments | 5       | 5       | 5       | 3      | 3       | 2      | 4      | 3      | 9      |
|  | Employees      | ds      | ds      | ds      | ds     | ds      | ds     | ds     | ds     | ds     |
|  | Payroll        | ds      | ds      | ds      | ds     | ds      | ds     | ds     | ds     | ds     |
| Ship & boat building                         | Establishments | 62      | 65      | 74      | 78     | 77      | 64     | 60     | 57     | 60     |
|  | Employees      | 3,622   | 3,957   | 4,232   | ds     | 4,281   | 1,983  | 1,501  | 1,515  | 1,760  |
|  | Payroll        | 127,472 | 133,665 | 153,672 | ds     | 138,243 | 68,004 | 64,807 | 66,929 | 74,843 |

<sup>1</sup> The US Commercial Fishing Location Quotient (CFLQ) is 1. A CFLQ less than (greater than) 1 implies that there is less (more) commercial fishing in this state than the national average.

<sup>2</sup> ds = these data are suppressed.

<sup>3</sup> NA = not applicable.

# Tables | South Carolina



**2013 Economic Impacts of the South Carolina Seafood Industry (thousands of dollars)**

|                                    | With Imports |         |        |             | Without Imports |        |        |             |
|------------------------------------|--------------|---------|--------|-------------|-----------------|--------|--------|-------------|
|                                    | Jobs         | Sales   | Income | Value Added | Jobs            | Sales  | Income | Value Added |
| Total Impacts                      | 1,742        | 124,561 | 40,713 | 57,853      | 1,409           | 73,525 | 30,310 | 40,284      |
| Commercial Harvesters              | 523          | 35,497  | 14,174 | 19,440      | 523             | 35,497 | 14,174 | 19,440      |
| Seafood Processors & Dealers       | 119          | 8,921   | 3,490  | 4,488       | 104             | 7,833  | 3,064  | 3,940       |
| Importers                          | 153          | 42,101  | 6,748  | 12,834      | 0               | 0      | 0      | 0           |
| Seafood Wholesalers & Distributors | 66           | 6,635   | 2,331  | 3,062       | 37              | 3,725  | 1,309  | 1,719       |
| Retail                             | 882          | 31,407  | 13,971 | 18,029      | 745             | 26,471 | 11,764 | 15,185      |

**Total Landings Revenue and Landings Revenue of Key Species/Species Groups (thousands of dollars)<sup>1</sup>**

|                    | 2004   | 2005   | 2006   | 2007   | 2008   | 2009   | 2010   | 2011   | 2012   | 2013   |
|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Total Revenue      | 18,542 | 17,570 | 17,025 | 16,017 | 17,872 | 17,256 | 21,205 | 23,300 | 24,061 | 21,618 |
| Finfish & Other    | 5,042  | 4,781  | 4,995  | 4,744  | 4,614  | 5,338  | 6,740  | 8,429  | 6,670  | 6,149  |
| Shellfish          | 13,499 | 12,789 | 12,031 | 11,274 | 13,259 | 11,918 | 14,465 | 14,871 | 17,391 | 15,469 |
| <b>Key Species</b> |        |        |        |        |        |        |        |        |        |        |
| Black sea bass     | 302    | 191    | 168    | 236    | 257    | 362    | 213    | 182    | 303    | 434    |
| Blue crab          | 3,591  | 3,766  | 3,304  | 3,511  | 4,187  | 4,059  | 3,593  | 5,084  | 5,804  | 6,367  |
| Clams              | 1,238  | 934    | 834    | 697    | 535    | 542    | 688    | 638    | 584    | 750    |
| Groupers           | 1,020  | 1,013  | 1,335  | 1,524  | 1,421  | 1,021  | 949    | 1,169  | 640    | 933    |
| Oysters            | 1,229  | 1,471  | 1,369  | 1,375  | 1,739  | 1,738  | 1,858  | 1,975  | 2,155  | 2,337  |
| Sharks             | 128    | 136    | 144    | 78     | 78     | 56     | 123    | 166    | 136    | 76     |
| Shrimp             | 7,385  | 6,572  | 6,481  | 5,634  | 6,712  | 5,487  | 8,168  | 7,008  | 8,688  | 5,823  |
| Snappers           | 1,237  | 1,190  | 823    | 773    | 864    | 568    | 1,079  | 1,080  | 1,338  | 1,001  |
| Swordfish          | 555    | NA     | NA     | NA     | 187    | 1,116  | 1,944  | 2,777  | 1,635  | 983    |
| Tilefish           | 221    | 143    | 271    | 5      | 66     | 9      | 25     | 8      | 128    | 379    |

**Total Landings and Landings of Key Species/Species Groups (thousands of pounds)<sup>1</sup>**

|                    | 2004   | 2005   | 2006   | 2007  | 2008   | 2009  | 2010   | 2011   | 2012   | 2013  |
|--------------------|--------|--------|--------|-------|--------|-------|--------|--------|--------|-------|
| Total Landings     | 12,439 | 11,212 | 10,602 | 9,310 | 10,081 | 9,599 | 10,567 | 12,131 | 12,325 | 9,735 |
| Finfish & Other    | 2,768  | 2,274  | 2,249  | 1,994 | 1,940  | 2,384 | 2,774  | 3,220  | 2,424  | 2,026 |
| Shellfish          | 9,670  | 8,938  | 8,353  | 7,316 | 8,141  | 7,215 | 7,793  | 8,911  | 9,902  | 7,709 |
| <b>Key Species</b> |        |        |        |       |        |       |        |        |        |       |
| Black sea bass     | 212    | 115    | 86     | 114   | 132    | 168   | 98     | 100    | 118    | 163   |
| Blue crab          | 4,374  | 4,440  | 4,215  | 4,137 | 4,484  | 4,014 | 3,275  | 5,439  | 5,905  | 5,133 |
| Clams              | 211    | 175    | 165    | 135   | 119    | 123   | 152    | 137    | 102    | 117   |
| Groupers           | 363    | 319    | 399    | 404   | 379    | 274   | 241    | 269    | 148    | 201   |
| Oysters            | 275    | 308    | 291    | 285   | 324    | 309   | 332    | 337    | 362    | 375   |
| Sharks             | 206    | 174    | 147    | 105   | 110    | 63    | 87     | 108    | 104    | 52    |
| Shrimp             | 4,773  | 3,957  | 3,650  | 2,727 | 3,162  | 2,716 | 3,951  | 2,918  | 3,435  | 1,999 |
| Snappers           | 492    | 447    | 267    | 250   | 277    | 194   | 365    | 356    | 427    | 299   |
| Swordfish          | 200    | NA     | NA     | NA    | 71     | 459   | 630    | 741    | 500    | 272   |
| Tilefish           | 124    | 80     | 139    | 4     | 28     | 5     | 15     | 4      | 46     | 150   |

**Average Annual Price of Key Species/Species Groups (dollars per pound)<sup>1</sup>**

|                | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|----------------|------|------|------|------|------|------|------|------|------|------|
| Black sea bass | 1.42 | 1.66 | 1.97 | 2.07 | 1.94 | 2.15 | 2.16 | 1.82 | 2.58 | 2.67 |
| Blue crab      | 0.82 | 0.85 | 0.78 | 0.85 | 0.93 | 1.01 | 1.10 | 0.93 | 0.98 | 1.24 |
| Clams          | 5.86 | 5.34 | 5.06 | 5.17 | 4.51 | 4.42 | 4.54 | 4.65 | 5.71 | 6.40 |
| Groupers       | 2.81 | 3.17 | 3.35 | 3.77 | 3.75 | 3.73 | 3.94 | 4.35 | 4.33 | 4.64 |
| Oysters        | 4.46 | 4.78 | 4.71 | 4.82 | 5.36 | 5.63 | 5.60 | 5.85 | 5.96 | 6.24 |
| Sharks         | 0.62 | 0.78 | 0.98 | 0.74 | 0.71 | 0.89 | 1.42 | 1.53 | 1.30 | 1.45 |
| Shrimp         | 1.55 | 1.66 | 1.78 | 2.07 | 2.12 | 2.02 | 2.07 | 2.40 | 2.53 | 2.91 |
| Snappers       | 2.51 | 2.66 | 3.08 | 3.09 | 3.12 | 2.92 | 2.95 | 3.03 | 3.13 | 3.34 |
| Swordfish      | 2.78 | NA   | NA   | NA   | 2.64 | 2.43 | 3.09 | 3.75 | 3.27 | 3.61 |
| Tilefish       | 1.78 | 1.78 | 1.95 | 1.36 | 2.30 | 2.00 | 1.71 | 1.84 | 2.78 | 2.53 |

<sup>1</sup> NA = these data are confidential thus not disclosable.



**2013 Economic Impacts of South Carolina Recreational Fishing Expenditures (thousands of dollars)**

|                              |              | Jobs  | Sales   | Income  | Value Added |
|------------------------------|--------------|-------|---------|---------|-------------|
| Trip Impacts by Fishing Mode | For-Hire     | 306   | 27,557  | 11,371  | 15,916      |
|                              | Private Boat | 405   | 33,489  | 12,249  | 19,764      |
|                              | Shore        | 1,745 | 152,710 | 53,204  | 90,095      |
| Total Durable Expenditures   |              | 1,824 | 170,626 | 68,948  | 106,133     |
| Total State Economic Impacts |              | 4,280 | 384,382 | 145,772 | 231,908     |

**2013 Angler Trip & Durable Expenditures (thousands of dollars)**

| Fishing Mode  | Trip Expenditures |           | Equipment                  | Durable Goods Expenditures |
|---|-------------------|-----------|----------------------------|----------------------------|
|   | Non-residents     | Residents |                            |                            |
|   |                   |           | Fishing Tackle             | 73,981                     |
| For-Hire  | 13,482            | 4,482     | Other Equipment            | 15,671                     |
| Private Boat  | 7,323             | 26,989    | Boat Expenses              | 98,646                     |
| Shore   | 107,831           | 17,650    | Vehicle Expenses           | 5,374                      |
| Total   | 128,637           | 49,121    | Second Home Expenses       | 0                          |
|   |                   |           | Total Durable Expenditures | 193,673                    |
| Total State Trip and Durable Equipment Expenditures |                   |           |                            | 371,431                    |

**Recreational Anglers by Residential Area (thousands of anglers)**

|               | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|---------------|------|------|------|------|------|------|------|------|------|------|
| Coastal       | 227  | 230  | 234  | 277  | 236  | 231  | 210  | 148  | 207  | 166  |
| Non-Coastal   | 101  | 120  | 146  | 113  | 103  | 112  | 104  | 66   | 123  | 84   |
| Out-of-State  | 334  | 448  | 617  | 551  | 604  | 554  | 494  | 264  | 406  | 602  |
| Total Anglers | 662  | 798  | 997  | 941  | 942  | 898  | 809  | 478  | 736  | 852  |

**Recreational Fishing Effort by Mode (thousands of angler-trips)**

|             | 2004  | 2005  | 2006  | 2007  | 2008  | 2009  | 2010  | 2011  | 2012  | 2013  |
|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| For-Hire    | 78    | 25    | 21    | 85    | 69    | 80    | 77    | 81    | 25    | 48    |
| Private     | 1,231 | 949   | 978   | 1,132 | 1,266 | 1,008 | 1,078 | 847   | 1,189 | 748   |
| Shore       | 1,138 | 1,220 | 1,240 | 813   | 1,116 | 1,325 | 1,143 | 879   | 992   | 1,181 |
| Total Trips | 2,448 | 2,194 | 2,238 | 2,030 | 2,451 | 2,413 | 2,298 | 1,806 | 2,206 | 1,977 |

**Harvest (H) and Release (R) of Key Species Species Groups (thousands of fish)<sup>1</sup>**

|                                  |   | 2004  | 2005 | 2006  | 2007 | 2008  | 2009  | 2010 | 2011 | 2012  | 2013  |
|----------------------------------|---|-------|------|-------|------|-------|-------|------|------|-------|-------|
| Black sea bass                   | H | 238   | 74   | 182   | 125  | 90    | 37    | 216  | 56   | 91    | 24    |
|                                  | R | 770   | 513  | 583   | 921  | 864   | 471   | 640  | 661  | 811   | 381   |
| Bluefish                         | H | 132   | 247  | 134   | 176  | 128   | 135   | 444  | 224  | 206   | 299   |
|                                  | R | 386   | 317  | 622   | 677  | 333   | 252   | 318  | 550  | 169   | 309   |
| Drum (Atlantic croaker and spot) | H | 902   | 502  | 1,229 | 643  | 2,799 | 829   | 370  | 947  | 1,030 | 832   |
|                                  | R | 530   | 504  | 1,092 | 376  | 394   | 840   | 354  | 464  | 358   | 1,751 |
| Drum (southern kingfish)         | H | 1,149 | 998  | 926   | 699  | 823   | 1,056 | 389  | 609  | 778   | 1,195 |
|                                  | R | 750   | 391  | 1,163 | 540  | 612   | 690   | (1)  | 68   | 146   | (1)   |
| Drum (spotted seatrout)          | H | 189   | 272  | 231   | 160  | 154   | 124   | 101  | 66   | 236   | 126   |
|                                  | R | 277   | 462  | 544   | 572  | 734   | 400   | 407  | 280  | 817   | 601   |
| Porgies (sheepshead)             | H | 95    | 45   | 61    | 109  | 217   | 222   | 102  | 171  | 76    | 26    |
|                                  | R | 22    | 47   | 27    | 21   | 60    | 23    | 58   | 93   | 45    | 81    |
| Red drum                         | H | 108   | 131  | 48    | 72   | 120   | 70    | 173  | 161  | 121   | 98    |
|                                  | R | 438   | 494  | 540   | 437  | 553   | 751   | 787  | 665  | 543   | 674   |
| Sharks <sup>2</sup>              | H | 15    | 38   | (1)   | 3    | 5     | 13    | (1)  | 3    | 3     | 1     |
|                                  | R | 402   | 604  | 514   | 171  | 259   | 397   | 468  | 347  | 626   | 1,134 |
| Southern flounder                | H | 216   | 85   | 111   | 77   | 103   | 89    | 109  | 102  | 91    | 62    |
|                                  | R | 89    | 73   | 200   | 106  | 103   | 74    | (1)  | 17   | 35    | (1)   |
| Spanish mackerel                 | H | 56    | 70   | 23    | 95   | 54    | 74    | 71   | 87   | 80    | 22    |
|                                  | R | 85    | 185  | 28    | 97   | 68    | 56    | 28   | 67   | 98    | 24    |

<sup>1</sup> In this table, '(1)' = 0-999 thousand fish and '1' = 1,000-1,499 thousand fish.

<sup>2</sup> Sharks include species within the requiem shark family, blacktip sharks, Atlantic sharpnose sharks, and unidentified sharks.

**South Carolina's State Economy (% of national total)**

|          | Establishments | Employees        | Annual Payroll (\$ billions) | Employee Compensation (\$ billions) | Gross State Product (\$ billions) | Commercial Fishing Location Quotient <sup>1</sup> |
|----------|----------------|------------------|------------------------------|-------------------------------------|-----------------------------------|---|
| 2004     | 101,165 (1.4%) | 1,560,573 (1.4%) | 46.66 (1.1%)                 | 78.02 (1.2%)                        | 136.18 (1.1%)                     | 0.18  |
| 2012     | 101,228 (1.4%) | 1,548,516 (1.3%) | 56.67 (1%)                   | 99.65 (1.2%)                        | 177.99 (1.1%)                     | 0.08  |
| % change | 0.1            | -0.8             | 17.7                         | 21.7                                | 23.5                              | -125  |

**Seafood Sales & Processing - Nonemployer Firms (thousands of dollars)**

|                                   |          | 2004  | 2005  | 2006  | 2007  | 2008  | 2009  | 2010  | 2011  | 2012  |
|-----------------------------------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Seafood product prep. & packaging | Firms    | 22    | 14    | 12    | 12    | 15    | 21    | 23    | 32    | 35    |
|                                   | Receipts | 1,797 | 2,234 | 1,303 | 857   | 1,155 | 1,794 | 1,386 | 1,326 | 1,868 |
| Seafood sales, retail             | Firms    | 74    | 61    | 76    | 75    | 64    | 77    | 78    | 87    | 67    |
|                                   | Receipts | 4,612 | 3,588 | 3,427 | 3,876 | 4,650 | 4,709 | 3,978 | 5,535 | 4,818 |

**Seafood Sales & Processing - Employer Establishments (thousands of dollars)<sup>2</sup>**

|                                   |                | 2004 | 2005  | 2006  | 2007  | 2008  | 2009  | 2010  | 2011  | 2012  |
|-----------------------------------|----------------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| Seafood product prep. & packaging | Establishments | 4    | 3     | 3     | 5     | 2     | 2     | 2     | 1     | 0     |
|                                   | Employees      | 28   | 7     | ds    | ds    | ds    | ds    | ds    | ds    | ds    |
|                                   | Payroll        | 805  | 145   | ds    | ds    | ds    | ds    | ds    | ds    | ds    |
| Seafood sales, wholesale          | Establishments | 18   | 22    | 19    | 26    | 20    | 15    | 16    | 12    | 15    |
|                                   | Employees      | ds   | 211   | 191   | 220   | 108   | 111   | 120   | 101   | 125   |
|                                   | Payroll        | ds   | 5,818 | 5,542 | 6,186 | 3,770 | 3,676 | 3,868 | 3,760 | 4,506 |
| Seafood sales, retail             | Establishments | 58   | 64    | 62    | 60    | 64    | 57    | 56    | 61    | 60    |
|                                   | Employees      | ds   | 206   | 190   | 210   | 292   | 261   | 260   | 245   | 228   |
|                                   | Payroll        | ds   | 2,773 | 2,905 | 3,155 | 4,871 | 4,901 | 4,580 | 4,231 | 3,670 |

**Transport, Support, & Marine Operations - Employer Establishments (thousands of dollars)<sup>2</sup>**

|  |                | 2004   | 2005   | 2006   | 2007    | 2008   | 2009   | 2010   | 2011   | 2012   |
|--|----------------|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Coastal & Great Lakes freight transportation | Establishments | 4      | 4      | 4      | 5       | 4      | 4      | 4      | 4      | 5      |
|  | Employees      | ds     | 45     | ds     | 60      | ds     | ds     | ds     | ds     | 40     |
|  | Payroll        | ds     | 1,882  | ds     | 2,352   | ds     | ds     | ds     | ds     | 2,625  |
| Deep sea freight transportation              | Establishments | 7      | 10     | 9      | 6       | 4      | 8      | 7      | 6      | 6      |
|  | Employees      | ds     | 113    | ds     | 67      | ds     | ds     | 20     | ds     | ds     |
|  | Payroll        | ds     | 4,600  | ds     | 3,419   | 659    | ds     | 758    | 722    | ds     |
| Deep sea passenger transportation            | Establishments | 1      | 1      | 1      | 1       | 7      | 6      | 2      | 2      | 1      |
|  | Employees      | ds     | ds     | ds     | ds      | ds     | ds     | ds     | ds     | ds     |
|  | Payroll        | ds     | ds     | ds     | ds      | ds     | ds     | ds     | ds     | ds     |
| Marinas                                      | Establishments | 69     | 70     | 71     | 72      | 68     | 69     | 73     | 75     | 70     |
|  | Employees      | 378    | 398    | 452    | 469     | 588    | 533    | 537    | 543    | 595    |
|  | Payroll        | 7,645  | 8,050  | 10,105 | 11,498  | 13,753 | 12,642 | 13,786 | 15,805 | 15,408 |
| Marine cargo handling                        | Establishments | 17     | 18     | 17     | 15      | 17     | 14     | 12     | 14     | 10     |
|  | Employees      | 2,253  | 1,994  | 2,707  | 1,419   | 1,282  | 1,953  | 1,731  | 1,717  | 715    |
|  | Payroll        | 81,691 | 66,767 | 83,142 | 75,967  | 56,812 | 43,170 | 39,625 | 49,172 | 30,381 |
| Navigational services to shipping            | Establishments | 5      | 7      | 8      | 6       | 8      | 8      | 7      | 8      | 10     |
|  | Employees      | ds     | ds     | 155    | 152     | 227    | 208    | 222    | 217    | 247    |
|  | Payroll        | ds     | ds     | 7,588  | 7,369   | 11,916 | 12,522 | 12,591 | 11,922 | 16,625 |
| Port & harbor operations                     | Establishments | 1      | 1      | 1      | 3       | 3      | 2      | 2      | 5      | 7      |
|  | Employees      | ds     | ds     | ds     | 113     | ds     | ds     | ds     | ds     | 676    |
|  | Payroll        | ds     | ds     | ds     | 7,058   | ds     | ds     | ds     | ds     | 29,332 |
| Ship & boat building                         | Establishments | 46     | 48     | 45     | 41      | 46     | 41     | 39     | 41     | 39     |
|  | Employees      | 2,380  | 2,672  | 2,425  | 2,962   | 3,001  | 1,929  | 1,922  | 1,943  | 1,980  |
|  | Payroll        | 90,974 | 97,087 | 92,098 | 102,531 | 97,743 | 73,988 | 74,945 | 85,568 | 90,942 |

<sup>1</sup> The US Commercial Fishing Location Quotient (CFLQ) is 1. A CFLQ less than (greater than) 1 implies that there is less (more) commercial fishing in this state than the national average.  
<sup>2</sup> ds = these data are suppressed.