

Chapter IV: CENTRAL AND SOUTHERN MANAGEMENT AREA RECREATIONAL FISHERY STATISTICS

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PROGRAM NARRATIVE

The Coastal Angling Program

The mission of the Coastal Angling Program (CAP) is to systematically collect recreational fisheries data using the best available scientific methods to accurately quantify and describe recreationally important marine fisheries of North Carolina.

Effective fisheries management requires accurate information on the number and size distributions of fisheries stocks. The Magnuson-Stevens Fishery Conservation and Management Act (MSFCMA) mandates a national program for management of fishery resources in the ocean zone known as the Exclusive Economic Zone (EEZ), or the area between 3 to 200 miles from shore. The MSFCMA also requires fishery management plans consider both recreational and commercial fisheries as well as their harvests.

The North Carolina Fisheries Reform Act of 1997 mandated the development of fishery management plans (FMPs) for fisheries of importance to North Carolina. The data collected and the estimates of finfish harvest and angler participation generated by CAP play a key role in the FMP development process. These data and estimates also play a critical role in DMF's compliance with the MSFCMA and the North Carolina Fisheries Reform Act.

To accomplish this mission, CAP oversees the following data collection initiatives:

- Marine Recreational Information Program
- Anadromous Creel Surveys
- Recreational Saltwater Activity Mail Surveys

Anadromous Creel Surveys

Coastal Striped Bass populations have continuously provided a popular and economically important fishery in North Carolina. Despite past surveys covering a considerable area, data were lacking in the Central/Southern Management Area (CSMA) where the stock was listed as overfished in 2003. The 2004 North Carolina Estuarine Striped Bass Fishery Management Plan addressed this issue, calling for assessments of the fishery. A comprehensive creel survey was initiated in January 2004 to identify and estimate recreational Striped Bass effort and catch in the CSMA. In 2012, other anadromous fish (i.e., American and Hickory Shad) were included in the estimation process.

SURVEY METHODOLOGY

Study Area

The CSMA includes all internal coastal, joint, and contiguous inland waters of North Carolina south of a line from Roanoke Marshes Point, across to Eagle Nest Bay and to the South Carolina state line. The areas surveyed in the CSMA include the Neuse, Trent, Tar/Pamlico, Cape Fear, and Pungo rivers (see *Figure IV.1*). The Neuse River basin drains over 6,200 square miles of land with over 3,000 miles of streams and rivers. The mouth of the main channel is six miles across – the widest in the United States. Over 1.3 million residents reside within this river basin. Major tributaries include Crabtree, Swift, and Contentnea creeks, along with the Eno, Little, and Trent rivers. Survey points included 45 boat ramps and fishing access points from Millburnie Park in East Raleigh to Lee's Landing on Broad Creek. The river was divided into three segments: 1) all access points in Goldsboro and upstream were labeled as the upper zone, 2) sites on Contentnea Creek and downstream from Goldsboro to Core Creek were labeled the middle zone, and 3) the sites downstream from Core Creek were labeled the lower zone.

The Tar/Pamlico River watershed drains over 5,500 square miles with over 2,400 miles of streams and rivers. Major tributaries include Cokey Swamp, Swift, Fishing, and Tranters creeks, and the 30-mile Pungo River near Belhaven, North Carolina – the main tributary in the lower basin. Access points surveyed on the Tar/Pamlico River include 19 boat ramps and access sites from Battle Park in Rocky Mount to the Quarterdeck Marina in Bath, NC. This system was divided into upper and lower zones, with sites upstream of Greenville, NC considered the upper zone (see *Figure IV.1*). The Pungo River was surveyed at the Leechville ramp (NC-264 bridge), the Belhaven North Carolina Wildlife Resource Commission (NCWRC) ramp, the Highway 99 Ramp in Belhaven, Wright's Creek Wildlife Resource Commission Ramp, and Cee Bee Marina on Pungo Creek.

Beginning in 2012, sampling within the CSMA was expanded to include the upper reaches of the Tar/Pamlico and Neuse Rivers. Additionally, the southernmost rivers in the CSMA (White Oak, New, Cape Fear, and Shallotte rivers) were excluded from the study area due to comparatively low recreational Striped Bass catch, but the Cape Fear was included to target shad (American and Hickory) beginning in 2013.

Sampling Procedures

Recreational fishing statistics from the CSMA were calculated through a non-uniform stratified access-point creel survey (Pollock et al. 1994) on the Neuse, Pamlico, and Pungo rivers from January to December. Site probabilities were set in proportion to the likely use of the site according to time of day, day of the week, and season. Probabilities for this survey were assigned based on observed effort from past years and direct observation by creel clerks. Morning and afternoon periods were assigned unequal probabilities of conducting interviews, with each period representing half a fishing day. A fishing day was defined as the period from one hour after sunrise until one hour after sunset. This is slightly different than in years prior to 2012 where the fishing day was defined as beginning 1.5 hours after sunrise. Monthly sampling periods for each

river and zone were stratified accordingly, and all weekend and holiday dates along with two randomly selected weekdays were chosen from each week for sampling.

Tar/Pamlico River anglers in the upper zone were interviewed throughout the spring months coinciding with anadromous species' spawning runs (January-May), while anglers in the lower zone were interviewed year-round based on the evidence of a year-round fishery and no seasonal closures. Two creel clerks were assigned to this river, with one surveying the upper zone January through May and one clerk surveying the lower zone from January through December. The three zones within the Neuse River were covered with one creel clerk per zone. The lower zone was surveyed from January to December while middle zone surveys were conducted January-May and the upper zone surveys from February to May to coincide with anadromous species' spawning runs. The Pungo River was surveyed throughout the year with one creel clerk.

Returning fishing parties were interviewed by a creel clerk at the selected access point to obtain information regarding party size, effort, total number of fish harvested and/or released, primary fishing method, and location. Harvested fish were identified, counted, measured to the nearest mm fork length (converted to centerline length and total length for appropriate species), and weighed to the nearest 0.1 kg, while information on discarded fish was obtained from the angler to acquire the number and status of discarded individuals. Scale collections were taken from available fish to determine age of catch. The age structures were given to the Fisheries Management section of the North Carolina Division of Marine Fisheries (NCDMF) for age determination. Creel clerks also obtained socioeconomic information from the angler, including age, state and county of residence, sex, ethnic background, trip information, and expenditures. The survey instrument used by creel clerks for interviews and assignment summary records are shown in Appendix IV.1 through Appendix IV.3.

Analyses

Effort and Catch Estimations

Samples were reduced to Striped Bass effort and catch only. Results were stratified by river, access point, and time of day. Catch was defined as the sum of harvested fish and discarded fish. Discarded fish equaled the sum of fish caught in excess of creel limits (over-creel), legal-sized fish caught and released, and sub-legal fish returned to the water. Daily effort and catch for each river were calculated by expanding observed numbers by the sample unit probability (time of day probability multiplied by access area probability). Total catch estimates for the CSMA and catch estimates for each zone and type of day were calculated based on the Horvitz-Thompson estimator for non-uniform probability sampling as such:

$$C = \sum_{i=1}^n (c_i / p_i)$$

where a sample of n units is taken, and the probability of the i^{th} unit being in the sample is denoted by p_i (Pollock et al. 1994). Total effort, in number of trips, over the CSMA and each individual zone and type of day were estimated in the same fashion, as were other extrapolated data. Targeted trips presented refer to trips where the angler explicitly identified their target species during the sampling interview. If multiple species were targeted, then a primary target species was

designated (1st target; see Appendix IV.1). Approximate standard errors (SE) of the catch and effort estimates within zone and type of day were calculated according to:

$$SE = \sqrt{N^2 \left(\frac{s^2}{n} \right)}$$

where s^2 is the variance of the observations, n is the number of days sampled, and N is the number of days of that type available for sampling (Pollock et al. 1994). Percent standard errors (PSE) for the year are presented by river system and zone. Monthly PSEs within river system and zone are available upon request. Estimated catch per unit effort (CPUE) values were obtained by dividing estimated catch by estimated Striped Bass trips as well as angler hours (angler-h) in order to identify trends in fishing pressure and angler success. Size structure of Striped Bass in harvests was described for each zone using length-frequency distributions of observed samples. Fishing party characteristics and methods used during Striped Bass trips reported by anglers were documented by river and day type. The database was created using Access[®] and statistical analyses were performed with SAS 9.4[®]. Beginning in 2012, the NCWRC Portal Access to Wildlife Systems (PAWS) was used to house these data and estimate effort and catch. NCDMF and NCWRC staff have been verifying calculations to ensure consistency with the previous work.

Please note: Estimates of catch and effort are expanded averages presented as whole numbers. Any inconsistency in the total catch and/or effort due to adding across rows or columns presented in this chapter is due to rounding.

Angler Demographics and Economic Analysis

The CSMA Creel Survey socioeconomic questionnaire (see Appendix IV.3) included questions to identify characteristics of the Striped Bass angling population. Demographics of anglers were reported according to age, residency, gender, and ethnic background, and are expressed as a percentage of the total angling population throughout the CSMA. Mean values were calculated for quantitative data. Results were further grouped by river and day type. Anglers were grouped as local, regional, or out-of-state residents. Local anglers resided within the county, while regional anglers resided elsewhere in North Carolina. The socioeconomic questionnaire also included questions regarding trip length, distance traveled, party size, and expenditures across lodging, food, ice, bait, equipment rental, and boat fuel and oil. Mean weighted expenditures per trip were reported by river and day type. Lodging and rental expenses were rarely encountered; therefore, they are not included within this report. The weighted mean of each expenditure was totaled to provide an average trip cost. The economic impact analysis can be found in Chapter VI.

LITERATURE CITED

Pollock, K. H., C. M. Jones, and T. L. Brown. 1994. Angler survey methods and their applications in fisheries management. American Fisheries Society. Special Publication 25, Bethesda, Maryland.

CONTACTS

This project was funded under the Federal Aid in Sport Fish Restoration Program using state fishing license money and federal grant funds derived from federal excise taxes on fishing tackle and other fishing related expenditures.

Funds from the Sport Fish Restoration Program are used for aquatic education, fisheries research and management, and boating access facilities. This program is administered cooperatively by the NCDMF, the NCWRC, and the U.S. Fish and Wildlife Service. For additional information regarding the survey or for a complete report, please reach out to one of the contacts below:

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Table IV.1 Measures of central tendency for lengths and weights of Striped Bass¹ (observed).

| Year | River | Length (inches) | | | | Weight (pounds) | | |
|------|-------------------------------|-----------------|-------|-------|-------|-----------------|-------|------|
| | | N | Min | Max | Mean | Min | Max | Mean |
| 2019 | Upper Neuse River | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Middle Neuse River | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Lower Neuse River | 18 | 17.28 | 21.76 | 19.67 | 2.65 | 4.41 | 3.44 |
| | Upper Tar River | 1 | 26.26 | 26.26 | 26.26 | 6.61 | 6.61 | 6.61 |
| | Lower Tar-Upper Pamlico River | 8 | 14.98 | 19.46 | 17.72 | 1.54 | 3.53 | 2.62 |
| | Pungo River | 1 | 18.82 | 18.82 | 18.82 | 2.54 | 2.54 | 2.54 |
| | Total | 28 | 14.98 | 26.26 | 19.32 | 1.54 | 6.61 | 3.28 |
| 2018 | Upper Neuse River | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Middle Neuse River | 14 | 17.93 | 27.07 | 20.70 | 2.09 | 8.38 | 3.73 |
| | Lower Neuse River | 25 | 17.57 | 27.23 | 19.19 | 2.09 | 8.82 | 3.04 |
| | Upper Tar River | 1 | 19.22 | 19.22 | 19.22 | 3.53 | 3.53 | 3.53 |
| | Lower Tar-Upper Pamlico River | 101 | 16.47 | 22.16 | 18.94 | 1.65 | 4.41 | 3.03 |
| | Pungo River | 14 | 17.61 | 29.27 | 21.03 | 2.20 | 11.91 | 3.87 |
| | Total | 155 | 16.47 | 29.27 | 19.33 | 1.65 | 11.91 | 3.17 |
| 2017 | Upper Neuse River | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Middle Neuse River | 8 | 19.42 | 29.60 | 23.99 | 2.82 | 13.80 | 7.14 |
| | Lower Neuse River | 70 | 17.57 | 28.03 | 20.50 | 1.98 | 10.80 | 3.89 |
| | Upper Tar River | 19 | 17.44 | 22.24 | 19.82 | 2.18 | 5.95 | 3.60 |
| | Lower Tar-Upper Pamlico River | 88 | 17.32 | 26.18 | 20.10 | 2.20 | 8.82 | 3.61 |
| | Pungo River | 17 | 18.82 | 26.47 | 20.89 | 1.54 | 6.39 | 3.20 |
| | Total | 202 | 17.32 | 29.60 | 20.43 | 1.54 | 13.80 | 3.81 |
| 2016 | Upper Neuse River | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Middle Neuse River | 2 | 18.90 | 20.27 | 19.58 | 2.87 | 3.59 | 3.23 |
| | Lower Neuse River | 21 | 17.97 | 28.87 | 20.52 | 2.20 | 8.82 | 3.73 |
| | Upper Tar River | 16 | 17.49 | 32.96 | 21.40 | 2.31 | 9.48 | 3.81 |
| | Lower Tar-Upper Pamlico River | 81 | 17.57 | 27.47 | 19.72 | 2.20 | 7.94 | 3.61 |
| | Pungo River | 24 | 18.25 | 26.95 | 20.81 | 2.43 | 5.95 | 3.41 |
| | Total | 144 | 17.49 | 32.96 | 20.20 | 2.20 | 9.48 | 3.61 |
| 2015 | Upper Neuse River | 2 | 16.31 | 19.91 | 18.11 | 1.65 | 3.09 | 2.37 |
| | Middle Neuse River | 2 | 26.26 | 26.91 | 26.59 | 2.98 | 9.26 | 6.12 |
| | Lower Neuse River | 25 | 17.57 | 26.10 | 19.98 | 2.09 | 7.50 | 3.48 |
| | Upper Tar River | 3 | 19.62 | 21.64 | 20.38 | 3.75 | 4.85 | 4.19 |
| | Lower Tar-Upper Pamlico River | 41 | 17.69 | 24.26 | 20.37 | 1.76 | 15.43 | 3.78 |
| | Pungo River | 33 | 18.13 | 26.99 | 21.28 | 1.98 | 7.05 | 3.33 |
| | Total | 106 | 16.31 | 26.99 | 20.63 | 1.65 | 15.43 | 3.60 |
| 2014 | Upper Neuse River | 2 | 20.63 | 20.63 | 20.63 | 3.86 | 3.86 | 3.86 |
| | Middle Neuse River | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Lower Neuse River | 32 | 17.93 | 30.24 | 21.39 | 2.31 | 14.33 | 4.76 |
| | Upper Tar River | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Lower Tar-Upper Pamlico River | 64 | 18.45 | 27.39 | 19.94 | 2.76 | 9.48 | 3.69 |
| | Pungo River | 17 | 19.79 | 20.03 | 19.91 | 2.43 | 4.85 | 3.46 |
| | Total | 115 | 17.93 | 30.24 | 20.47 | 2.31 | 14.33 | 3.94 |

¹From March 2019 onward, harvest of Striped Bass in the CSMA is prohibited, and no catch information was collected during this time.

Table IV.2 Measures of central tendency for lengths and weights of American Shad (observed).

| Year | River | Length (inches) | | | Weight (pounds) | | | |
|--------------|-------------------------------|-----------------|--------------|--------------|-----------------|-------------|-------------|-------------|
| | | N | Min | Max | Mean | Min | Max | Mean |
| 2023 | Upper Neuse River | 1 | 16.50 | 16.50 | 16.50 | 2.43 | 2.43 | 2.43 |
| | Middle Neuse River | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Lower Neuse River | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Upper Tar River | 11 | 13.98 | 17.99 | 15.85 | 0.88 | 3.53 | 1.92 |
| | Lower Tar-Upper Pamlico River | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Pungo River | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Cape Fear River | 38 | 14.09 | 20.67 | 17.25 | 1.65 | 3.97 | 2.57 |
| Total | | 50 | 13.98 | 20.67 | 16.93 | 0.88 | 3.97 | 2.41 |
| 2022 | Upper Neuse River | 3 | 13.39 | 16.89 | 15.17 | 1.10 | 2.65 | 1.93 |
| | Middle Neuse River | 5 | 16.06 | 17.01 | 16.63 | 1.54 | 2.20 | 1.87 |
| | Lower Neuse River | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Upper Tar River | 5 | 15.08 | 18.11 | 17.04 | 1.21 | 3.75 | 2.69 |
| | Lower Tar-Upper Pamlico River | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Pungo River | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Cape Fear River | 27 | 13.39 | 18.11 | 15.85 | 0.99 | 3.09 | 2.02 |
| Total | | 40 | 13.39 | 18.11 | 16.04 | 0.99 | 3.75 | 2.08 |
| 2021 | Upper Neuse River | 1 | 17.91 | 17.91 | 17.91 | 3.42 | 3.42 | 3.42 |
| | Middle Neuse River | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Lower Neuse River | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Upper Tar River | 9 | 13.94 | 18.23 | 16.83 | 1.43 | 3.42 | 2.61 |
| | Lower Tar-Upper Pamlico River | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Pungo River | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Cape Fear River | 93 | 11.10 | 19.29 | 16.66 | 1.10 | 5.40 | 2.50 |
| Total | | 103 | 11.10 | 19.29 | 16.69 | 1.10 | 5.40 | 2.52 |
| 2020 | Upper Neuse River | 7 | 14.76 | 17.09 | 15.87 | 1.50 | 2.65 | 1.93 |
| | Middle Neuse River | 7 | 9.61 | 17.99 | 15.24 | 0.55 | 3.53 | 2.20 |
| | Lower Neuse River | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Upper Tar River | 8 | 14.92 | 17.40 | 16.38 | 1.76 | 3.09 | 2.66 |
| | Lower Tar-Upper Pamlico River | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Pungo River | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Cape Fear River | 88 | 12.20 | 19.17 | 15.72 | 0.18 | 4.41 | 2.28 |
| Total | | 110 | 9.61 | 19.17 | 15.74 | 0.18 | 4.41 | 2.28 |
| 2019 | Upper Neuse River | 7 | 15.59 | 17.13 | 16.41 | 1.65 | 2.65 | 2.14 |
| | Middle Neuse River | 5 | 13.54 | 17.76 | 15.61 | 1.23 | 2.98 | 2.09 |
| | Lower Neuse River | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Upper Tar River | 19 | 13.43 | 17.40 | 15.35 | 0.99 | 2.76 | 1.73 |
| | Lower Tar-Upper Pamlico River | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Pungo River | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Cape Fear River | 148 | 11.89 | 19.45 | 15.36 | 1.10 | 4.41 | 2.50 |
| Total | | 179 | 11.89 | 19.45 | 15.41 | 0.99 | 4.41 | 2.39 |

Table IV.2 Measures of central tendency for lengths and weights of American Shad (observed) (continued).

| Year | River | Length (inches) | | | Weight (pounds) | | | |
|------|-------------------------------|-----------------|-------|-------|-----------------|------|------|------|
| | | N | Min | Max | Mean | Min | Max | Mean |
| 2018 | Upper Neuse River | 3 | 16.54 | 18.03 | 17.30 | 2.87 | 4.00 | 3.20 |
| | Middle Neuse River | 4 | 13.62 | 18.90 | 16.11 | 1.32 | 3.75 | 2.45 |
| | Lower Neuse River | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Upper Tar River | 13 | 16.93 | 20.47 | 18.29 | 1.54 | 3.53 | 2.32 |
| | Lower Tar-Upper Pamlico River | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Pungo River | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Cape Fear River | 210 | 12.76 | 19.41 | 16.43 | 0.44 | 3.97 | 2.34 |
| | Total | 230 | 12.76 | 20.47 | 16.54 | 0.44 | 4.00 | 2.38 |
| 2017 | Upper Neuse River | 1 | 18.41 | 18.41 | 18.41 | 1.43 | 1.43 | 1.43 |
| | Middle Neuse River | 16 | 13.93 | 19.02 | 16.67 | 1.43 | 4.41 | 2.57 |
| | Lower Neuse River | 1 | 17.65 | 17.65 | 17.65 | 3.31 | 3.31 | 3.31 |
| | Upper Tar River | 13 | 14.98 | 19.02 | 17.09 | 1.21 | 3.97 | 2.41 |
| | Lower Tar-Upper Pamlico River | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Pungo River | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Cape Fear River | 75 | 13.97 | 22.61 | 19.38 | 1.10 | 4.41 | 2.78 |
| | Total | 106 | 13.93 | 22.61 | 18.66 | 1.10 | 4.41 | 2.70 |
| 2016 | Upper Neuse River | 4 | 15.12 | 17.99 | 16.23 | 1.54 | 2.54 | 2.07 |
| | Middle Neuse River | 2 | 15.47 | 16.85 | 16.16 | 1.65 | 2.43 | 2.04 |
| | Lower Neuse River | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Upper Tar River | 6 | 11.85 | 19.49 | 15.45 | 1.32 | 3.06 | 1.82 |
| | Lower Tar-Upper Pamlico River | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Pungo River | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Cape Fear River | 369 | 5.63 | 22.05 | 16.54 | 0.66 | 4.19 | 2.24 |
| | Total | 381 | 5.63 | 22.05 | 16.52 | 0.66 | 4.19 | 2.23 |
| 2015 | Upper Neuse River | 3 | 14.98 | 17.12 | 16.11 | 1.32 | 1.98 | 1.69 |
| | Middle Neuse River | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Lower Neuse River | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Upper Tar River | 14 | 15.59 | 22.61 | 20.03 | 1.32 | 3.75 | 3.24 |
| | Lower Tar-Upper Pamlico River | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Pungo River | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Cape Fear River | 131 | 13.32 | 20.47 | 17.87 | 0.99 | 4.30 | 2.74 |
| | Total | 148 | 13.32 | 22.61 | 7.72 | 0.99 | 4.30 | 1.10 |
| 2014 | Upper Neuse River | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Middle Neuse River | 6 | 14.69 | 18.43 | 16.67 | 1.65 | 3.64 | 2.72 |
| | Lower Neuse River | 4 | 17.87 | 18.50 | 18.19 | 3.53 | 3.97 | 3.75 |
| | Upper Tar River | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Lower Tar-Upper Pamlico River | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Pungo River | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Cape Fear River | 175 | 14.88 | 22.28 | 19.90 | 0.99 | 4.85 | 3.15 |
| | Total | 185 | 14.69 | 22.28 | 18.25 | 0.99 | 4.85 | 3.20 |

Table IV.3 Measures of central tendency for lengths and weights of Hickory Shad (observed).

| Year | River | Length (inches) | | | | Weight (pounds) | | |
|------|-------------------------------|-----------------|-------|-------|-------|-----------------|------|------|
| | | N | Min | Max | Mean | Min | Max | Mean |
| 2023 | Upper Neuse River | 4 | 10.63 | 13.86 | 11.99 | 0.55 | 1.21 | 0.80 |
| | Middle Neuse River | 46 | 11.38 | 15.87 | 13.96 | 0.66 | 2.31 | 1.48 |
| | Lower Neuse River | 32 | 10.63 | 15.12 | 13.02 | 0.55 | 1.76 | 1.10 |
| | Upper Tar River | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Lower Tar-Upper Pamlico River | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Pungo River | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Cape Fear River | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Total | 82 | 10.63 | 15.87 | 13.50 | 0.55 | 2.31 | 1.30 |
| 2022 | Upper Neuse River | 15 | 11.42 | 15.28 | 14.14 | 0.66 | 2.20 | 1.40 |
| | Middle Neuse River | 154 | 10.67 | 16.97 | 14.30 | 0.22 | 2.87 | 1.58 |
| | Lower Neuse River | 23 | 11.73 | 16.10 | 14.26 | 0.77 | 2.54 | 1.59 |
| | Upper Tar River | 30 | 10.63 | 15.87 | 13.65 | 0.55 | 2.43 | 1.43 |
| | Lower Tar-Upper Pamlico River | 1 | 14.88 | 14.88 | 14.88 | 1.76 | 1.76 | 1.76 |
| | Pungo River | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Cape Fear River | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Total | 223 | 10.63 | 16.97 | 14.20 | 0.22 | 2.87 | 1.55 |
| 2021 | Upper Neuse River | 59 | 10.24 | 15.63 | 13.04 | 0.44 | 1.87 | 1.06 |
| | Middle Neuse River | 91 | 9.49 | 16.54 | 13.46 | 0.44 | 2.31 | 1.25 |
| | Lower Neuse River | 25 | 10.98 | 16.50 | 13.40 | 0.66 | 2.54 | 1.25 |
| | Upper Tar River | 73 | 10.24 | 16.46 | 12.91 | 0.44 | 2.31 | 1.13 |
| | Lower Tar-Upper Pamlico River | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Pungo River | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Cape Fear River | 1 | 14.84 | 14.84 | 14.84 | 1.32 | 1.32 | 1.32 |
| | Total | 249 | 9.49 | 16.54 | 13.20 | 0.44 | 2.54 | 1.17 |
| 2020 | Upper Neuse River | 8 | 10.98 | 15.28 | 13.44 | 0.57 | 1.90 | 1.26 |
| | Middle Neuse River | 151 | 10.24 | 16.50 | 13.89 | 0.44 | 2.54 | 1.38 |
| | Lower Neuse River | 14 | 10.98 | 15.31 | 14.19 | 0.77 | 2.09 | 1.56 |
| | Upper Tar River | 35 | 9.65 | 15.83 | 14.16 | 0.55 | 2.54 | 1.63 |
| | Lower Tar-Upper Pamlico River | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Pungo River | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Cape Fear River | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Total | 208 | 9.65 | 16.50 | 13.94 | 0.44 | 2.54 | 1.43 |
| 2019 | Upper Neuse River | 2 | 12.87 | 13.19 | 13.03 | 0.99 | 1.10 | 1.05 |
| | Middle Neuse River | 102 | 10.98 | 15.75 | 13.59 | 0.71 | 2.54 | 1.27 |
| | Lower Neuse River | 37 | 10.91 | 16.02 | 13.62 | 0.66 | 2.43 | 1.38 |
| | Upper Tar River | 168 | 10.00 | 15.35 | 13.27 | 0.60 | 2.09 | 1.24 |
| | Lower Tar-Upper Pamlico River | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Pungo River | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Cape Fear River | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Total | 309 | 10.00 | 16.02 | 13.42 | 0.60 | 2.54 | 1.26 |

Table IV.3 Measures of central tendency for lengths and weights of Hickory Shad (observed) (continued).

| Year | River | Length (inches) | | | | Weight (pounds) | | |
|------|-------------------------------|-----------------|-------|-------|-------|-----------------|------|------|
| | | N | Min | Max | Mean | Min | Max | Mean |
| 2018 | Upper Neuse River | 4 | 12.99 | 13.58 | 13.25 | 1.10 | 1.32 | 1.21 |
| | Middle Neuse River | 179 | 10.31 | 16.73 | 13.38 | 0.55 | 2.54 | 1.28 |
| | Lower Neuse River | 22 | 10.59 | 16.02 | 13.17 | 0.55 | 2.20 | 1.26 |
| | Upper Tar River | 17 | 11.81 | 17.32 | 14.98 | 0.66 | 2.65 | 1.28 |
| | Lower Tar-Upper Pamlico River | 5 | 13.86 | 17.80 | 16.09 | 0.99 | 2.20 | 1.51 |
| | Pungo River | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Cape Fear River | 2 | 13.94 | 15.43 | 14.69 | 1.43 | 1.98 | 1.71 |
| | Total | 229 | 10.31 | 17.80 | 13.55 | 0.55 | 2.65 | 1.29 |
| 2017 | Upper Neuse River | 10 | 12.34 | 16.80 | 14.76 | 0.66 | 1.32 | 1.03 |
| | Middle Neuse River | 168 | 10.43 | 17.28 | 13.66 | 0.55 | 4.19 | 1.20 |
| | Lower Neuse River | 17 | 11.49 | 16.60 | 14.06 | 0.77 | 2.20 | 1.31 |
| | Upper Tar River | 31 | 10.96 | 18.01 | 13.71 | 0.49 | 5.11 | 1.35 |
| | Lower Tar-Upper Pamlico River | 1 | 12.75 | 12.75 | 12.75 | 0.88 | 0.88 | 0.88 |
| | Pungo River | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Cape Fear River | 1 | 14.57 | 14.57 | 14.57 | 1.10 | 1.10 | 1.10 |
| | Total | 228 | 10.43 | 18.01 | 13.74 | 0.49 | 5.11 | 1.22 |
| 2016 | Upper Neuse River | 18 | 10.67 | 14.76 | 12.42 | 0.55 | 1.76 | 1.00 |
| | Middle Neuse River | 116 | 10.55 | 15.39 | 12.72 | 0.55 | 1.87 | 1.04 |
| | Lower Neuse River | 7 | 11.30 | 14.96 | 13.67 | 0.66 | 1.54 | 1.29 |
| | Upper Tar River | 4 | 7.36 | 15.59 | 12.35 | 0.73 | 2.34 | 1.40 |
| | Lower Tar-Upper Pamlico River | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Pungo River | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Cape Fear River | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Total | 145 | 7.36 | 15.59 | 12.71 | 0.55 | 2.34 | 1.06 |
| 2015 | Upper Neuse River | 35 | 8.44 | 15.22 | 13.02 | 0.33 | 1.76 | 0.96 |
| | Middle Neuse River | 108 | 10.64 | 15.42 | 13.21 | 0.55 | 1.65 | 1.03 |
| | Lower Neuse River | 1 | 13.97 | 13.97 | 13.97 | 1.43 | 1.43 | 1.43 |
| | Upper Tar River | 16 | 12.75 | 18.21 | 15.02 | 0.44 | 1.98 | 1.12 |
| | Lower Tar-Upper Pamlico River | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Pungo River | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Cape Fear River | 1 | 11.45 | 11.45 | 11.45 | 0.66 | 0.66 | 0.66 |
| | Total | 161 | 8.44 | 18.21 | 9.52 | 0.33 | 1.98 | 0.74 |
| 2014 | Upper Neuse River | 28 | 10.43 | 14.69 | 12.63 | 0.55 | 1.54 | 1.01 |
| | Middle Neuse River | 236 | 10.16 | 14.61 | 12.51 | 0.55 | 1.76 | 1.06 |
| | Lower Neuse River | 66 | 10.71 | 15.16 | 12.87 | 0.55 | 1.87 | 1.17 |
| | Upper Tar River | 2 | 12.99 | 14.02 | 13.50 | 1.10 | 1.32 | 1.21 |
| | Lower Tar-Upper Pamlico River | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Pungo River | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Cape Fear River | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Total | 332 | 10.16 | 15.16 | 12.88 | 0.55 | 1.87 | 1.11 |

Table IV.4 Reported and observed catches (in numbers) by species and disposition.

| Year | Common Name | Harvest | Discards | | | | | Number of Fish | Percent Total |
|------|----------------------------|---------|-------------|------------|-----------|------------|------------|----------------|---------------|
| | | | Legal Sized | Over Creel | Sub-Legal | Slot-Limit | Over Sized | | |
| 2023 | Bass, Black Sea | 0 | 2 | 0 | 6 | 0 | 0 | 8 | 0.04 |
| | Bass, Hybrid Striped | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0.01 |
| | Bass, Largemouth | 12 | 2,057 | 0 | 87 | 0 | 0 | 2,156 | 10.80 |
| | Bass, Spotted | 0 | 9 | 0 | 0 | 0 | 0 | 9 | 0.05 |
| | Bass, Striped | 0 | 306 | 0 | 124 | 60 | 1 | 491 | 2.46 |
| | Bluefish | 31 | 318 | 31 | 4 | 0 | 0 | 384 | 1.92 |
| | Bluegill | 673 | 419 | 15 | 0 | 0 | 0 | 1,107 | 5.55 |
| | Bowfin | 0 | 70 | 0 | 0 | 0 | 0 | 70 | 0.35 |
| | Bullhead, Black | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0.01 |
| | Bullhead, Brown | 0 | 15 | 0 | 0 | 0 | 0 | 15 | 0.08 |
| | Carp, Common | 0 | 5 | 0 | 0 | 0 | 0 | 5 | 0.03 |
| | Catfish Family, Freshwater | 4 | 58 | 0 | 0 | 0 | 0 | 62 | 0.31 |
| | Catfish, Blue | 25 | 39 | 0 | 0 | 0 | 0 | 64 | 0.32 |
| | Catfish, Channel | 108 | 59 | 0 | 0 | 0 | 0 | 167 | 0.84 |
| | Catfish, Flathead | 3 | 21 | 0 | 0 | 0 | 0 | 24 | 0.12 |
| | Crappie, Black | 125 | 157 | 0 | 52 | 0 | 0 | 334 | 1.67 |
| | Croaker, Atlantic | 49 | 262 | 0 | 6 | 0 | 0 | 317 | 1.59 |
| | Dolphin | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 0.01 |
| | Drum, Black | 8 | 6 | 0 | 47 | 0 | 0 | 61 | 0.31 |
| | Drum, Red | 94 | 164 | 53 | 755 | 0 | 23 | 1,089 | 5.46 |
| | Eel, American | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 0.01 |
| | Flounder, Lefteye Family | 3 | 180 | 4 | 497 | 0 | 0 | 684 | 3.43 |
| | Flounder, Southern | 14 | 2 | 0 | 16 | 0 | 0 | 32 | 0.16 |
| | Gar, Longnose | 1 | 79 | 0 | 0 | 0 | 0 | 80 | 0.40 |
| | Herring Family | 0 | 1 | 0 | 1 | 0 | 0 | 2 | 0.01 |
| | Mackerel, Spanish | 44 | 6 | 0 | 70 | 0 | 0 | 120 | 0.60 |
| | Menhaden, Atlantic | 0 | 7 | 0 | 0 | 0 | 0 | 7 | 0.04 |
| | Mullet Genus | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0.01 |
| | Mullet, Striped | 4 | 22 | 0 | 0 | 0 | 0 | 26 | 0.13 |
| | Perch, White | 137 | 73 | 0 | 0 | 0 | 0 | 210 | 1.05 |
| | Perch, Yellow | 5 | 11 | 0 | 0 | 0 | 0 | 16 | 0.08 |
| | Pickrel, Chain | 0 | 39 | 0 | 0 | 0 | 0 | 39 | 0.20 |
| | Pigfish | 0 | 5 | 0 | 0 | 0 | 0 | 5 | 0.03 |
| | Pinfish | 0 | 119 | 0 | 25 | 0 | 0 | 144 | 0.72 |
| | Pumpkinseed | 6 | 16 | 0 | 0 | 0 | 0 | 22 | 0.11 |
| | Ray, Cownose | 0 | 7 | 0 | 0 | 0 | 0 | 7 | 0.04 |
| | Seatrout, Spotted | 1,940 | 2,336 | 913 | 3,623 | 0 | 0 | 8,812 | 44.16 |
| | Shad, American | 115 | 308 | 46 | 0 | 0 | 0 | 469 | 2.35 |
| | Shad, Gizzard | 1 | 5 | 0 | 0 | 0 | 0 | 6 | 0.03 |
| | Shad, Hickory | 234 | 833 | 20 | 0 | 0 | 0 | 1,087 | 5.45 |
| | Shad, Misc | 0 | 7 | 0 | 0 | 0 | 0 | 7 | 0.04 |
| | Sheepshead | 0 | 0 | 0 | 12 | 0 | 0 | 12 | 0.06 |
| | Skate, Clearnose | 0 | 11 | 0 | 0 | 0 | 0 | 11 | 0.06 |
| | Spot | 13 | 34 | 0 | 0 | 0 | 0 | 47 | 0.24 |
| | Stingray Family | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 0.01 |

Table IV.4 Reported and observed catches (in numbers) by species and disposition (*continued*).

| Year | Common Name | Harvest | Discards | | | | | Number of Fish | Percent Total |
|------|--------------------|--------------|--------------|--------------|--------------|------------|------------|----------------|---------------|
| | | | Legal Sized | Over Creel | Sub-Legal | Slot-Limit | Over Sized | | |
| 2023 | Stingray, Atlantic | 0 | 3 | 0 | 0 | 0 | 0 | 3 | 0.02 |
| | Sunfish Genus | 26 | 1,302 | 185 | 0 | 0 | 0 | 1,513 | 7.58 |
| | Sunfish, Redbreast | 15 | 8 | 0 | 0 | 0 | 0 | 23 | 0.12 |
| | Sunfish, Redear | 85 | 58 | 0 | 0 | 0 | 0 | 143 | 0.72 |
| | Toadfish, Oyster | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0.01 |
| | Unidentified Fish | 0 | 4 | 0 | 0 | 0 | 0 | 4 | 0.02 |
| | Warmouth | 8 | 30 | 0 | 0 | 0 | 0 | 38 | 0.19 |
| | Weakfish | 9 | 3 | 0 | 1 | 0 | 0 | 13 | 0.07 |
| | Total | 3,792 | 9,485 | 1,267 | 5,327 | 60 | 24 | 19,955 | 100.00 |

Table IV.4 Reported and observed catches (in numbers) by species and disposition (continued).

| Year | Common Name | Harvest | Discards | | | | | Number of Fish | Percent Total |
|------|----------------------------|---------|-------------|------------|-----------|------------|------------|----------------|---------------|
| | | | Legal Sized | Over Creel | Sub-Legal | Slot-Limit | Over Sized | | |
| 2022 | Bass, Hybrid Striped | 0 | 9 | 0 | 0 | 25 | 0 | 34 | 0.13 |
| | Bass, Largemouth | 17 | 2,748 | 0 | 74 | 0 | 0 | 2,839 | 10.77 |
| | Bass, Striped | 0 | 608 | 0 | 339 | 217 | 8 | 1,172 | 4.45 |
| | Bass, White | 0 | 1 | 0 | 0 | 0 | 0 | 1 | <0.01 |
| | Bluefish | 22 | 294 | 0 | 0 | 0 | 0 | 316 | 1.20 |
| | Bluegill | 699 | 597 | 0 | 0 | 0 | 0 | 1,296 | 4.92 |
| | Bowfin | 0 | 287 | 0 | 0 | 0 | 0 | 287 | 1.09 |
| | Bullhead, Brown | 0 | 12 | 0 | 0 | 0 | 0 | 12 | 0.05 |
| | Carp, Common | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 0.01 |
| | Catfish Family, Freshwater | 30 | 93 | 0 | 0 | 0 | 0 | 123 | 0.47 |
| | Catfish, Blue | 85 | 31 | 0 | 0 | 0 | 0 | 116 | 0.44 |
| | Catfish, Channel | 192 | 117 | 0 | 0 | 0 | 0 | 309 | 1.17 |
| | Catfish, Flathead | 12 | 15 | 0 | 0 | 0 | 0 | 27 | 0.10 |
| | Crappie Genus | 0 | 9 | 0 | 30 | 0 | 0 | 39 | 0.15 |
| | Crappie, Black | 141 | 184 | 15 | 94 | 0 | 0 | 434 | 1.65 |
| | Croaker, Atlantic | 38 | 137 | 0 | 14 | 0 | 0 | 189 | 0.72 |
| | Drum, Black | 22 | 7 | 1 | 22 | 0 | 0 | 52 | 0.20 |
| | Drum, Red | 156 | 153 | 68 | 1,222 | 0 | 141 | 1,740 | 6.60 |
| | Eel, American | 0 | 1 | 0 | 0 | 0 | 0 | 1 | <0.01 |
| | Flounder, Lefteye Family | 12 | 266 | 94 | 958 | 0 | 0 | 1,330 | 5.05 |
| | Flounder, Southern | 46 | 13 | 0 | 37 | 0 | 0 | 96 | 0.36 |
| | Flounder, Summer | 0 | 4 | 0 | 0 | 0 | 0 | 4 | 0.02 |
| | Gar, Longnose | 0 | 150 | 0 | 0 | 0 | 0 | 150 | 0.57 |
| | Herring Genus | 0 | 10 | 0 | 0 | 0 | 0 | 10 | 0.04 |
| | Kingfish Genus | 0 | 1 | 0 | 0 | 0 | 0 | 1 | <0.01 |
| | Ladyfish | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 0.01 |
| | Lizardfish, Inshore | 0 | 4 | 0 | 0 | 0 | 0 | 4 | 0.02 |
| | Mackerel, Spanish | 57 | 2 | 0 | 22 | 0 | 0 | 81 | 0.31 |
| | Menhaden, Atlantic | 0 | 16 | 0 | 0 | 0 | 0 | 16 | 0.06 |
| | Mullet Genus | 0 | 19 | 0 | 0 | 0 | 0 | 19 | 0.07 |
| | Mullet, Striped | 13 | 17 | 0 | 0 | 0 | 0 | 30 | 0.11 |
| | Perch, Silver | 0 | 4 | 0 | 0 | 0 | 0 | 4 | 0.02 |
| | Perch, White | 315 | 137 | 0 | 0 | 0 | 0 | 452 | 1.72 |
| | Perch, Yellow | 7 | 17 | 0 | 0 | 0 | 0 | 24 | 0.09 |
| | Pickrel, Chain | 1 | 153 | 0 | 0 | 0 | 0 | 154 | 0.58 |
| | Pigfish | 0 | 3 | 0 | 0 | 0 | 0 | 3 | 0.01 |
| | Pinfish | 0 | 104 | 0 | 0 | 0 | 0 | 104 | 0.39 |
| | Pumpkinseed | 4 | 5 | 0 | 0 | 0 | 0 | 9 | 0.03 |
| | Ray, Cownose | 0 | 9 | 0 | 0 | 0 | 0 | 9 | 0.03 |
| | Seatrout Genus | 0 | 10 | 0 | 0 | 0 | 0 | 10 | 0.04 |
| | Seatrout, Spotted | 2,376 | 2,370 | 1,223 | 3,949 | 0 | 0 | 9,918 | 37.64 |
| | Shad Genus | 2 | 422 | 0 | 0 | 0 | 0 | 424 | 1.61 |
| | Shad, American | 72 | 150 | 15 | 0 | 0 | 0 | 237 | 0.90 |
| | Shad, Gizzard | 11 | 46 | 0 | 0 | 0 | 0 | 57 | 0.22 |
| | Shad, Hickory | 479 | 1,269 | 80 | 0 | 0 | 0 | 1,828 | 6.94 |

Table IV.4 **Reported and observed catches (in numbers) by species and disposition (continued).**

| Year | Common Name | Harvest | Discards | | | | | Number of Fish | Percent Total |
|------|--------------------|--------------|---------------|--------------|--------------|------------|------------|----------------|---------------|
| | | | Legal Sized | Over Creel | Sub-Legal | Slot-Limit | Over Sized | | |
| 2022 | Sheepshead | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 0.01 |
| | Shiner, Golden | 0 | 1 | 0 | 0 | 0 | 0 | 1 | <0.01 |
| | Skate, Clearnose | 0 | 125 | 0 | 0 | 0 | 0 | 125 | 0.47 |
| | Spot | 15 | 49 | 0 | 0 | 0 | 0 | 64 | 0.24 |
| | Stingray Family | 0 | 13 | 0 | 0 | 0 | 0 | 13 | 0.05 |
| | Stingray, Atlantic | 0 | 3 | 0 | 0 | 0 | 0 | 3 | 0.01 |
| | Sunfish Genus | 48 | 1,512 | 265 | 0 | 0 | 0 | 1,825 | 6.93 |
| | Sunfish, Green | 4 | 33 | 0 | 0 | 0 | 0 | 37 | 0.14 |
| | Sunfish, Redbreast | 31 | 50 | 0 | 0 | 0 | 0 | 81 | 0.31 |
| | Sunfish, Redear | 130 | 76 | 0 | 0 | 0 | 0 | 206 | 0.78 |
| | Weakfish | 9 | 1 | 0 | 17 | 0 | 0 | 27 | 0.10 |
| | Total | 5,046 | 12,373 | 1,761 | 6,778 | 242 | 149 | 26,349 | 100.00 |

Table IV.4 Reported and observed catches (in numbers) by species and disposition (continued).

| Year | Common Name | Harvest | Discards | | | | | Number of Fish | Percent Total |
|------|----------------------------|---------|-------------|------------|-----------|------------|------------|----------------|---------------|
| | | | Legal Sized | Over Creel | Sub-Legal | Slot-Limit | Over Sized | | |
| 2021 | Bass, Hybrid Striped | 0 | 1 | 0 | 0 | 1 | 0 | 2 | 0.01 |
| | Bass, Largemouth | 44 | 3,980 | 11 | 116 | 0 | 0 | 4,151 | 15.71 |
| | Bass, Striped | 0 | 655 | 0 | 366 | 86 | 0 | 1,107 | 4.19 |
| | Bass, White | 0 | 0 | 0 | 1 | 0 | 0 | 1 | <0.01 |
| | Bluefish | 19 | 50 | 0 | 0 | 0 | 0 | 69 | 0.26 |
| | Bluegill | 681 | 522 | 0 | 0 | 0 | 0 | 1,203 | 4.55 |
| | Bowfin | 4 | 154 | 0 | 0 | 0 | 0 | 158 | 0.60 |
| | Bullhead, Brown | 0 | 1 | 0 | 0 | 0 | 0 | 1 | <0.01 |
| | Carp, Common | 1 | 3 | 0 | 0 | 0 | 0 | 4 | 0.02 |
| | Catfish Family, Freshwater | 19 | 134 | 0 | 0 | 0 | 0 | 153 | 0.58 |
| | Catfish, Blue | 46 | 38 | 0 | 0 | 0 | 0 | 84 | 0.32 |
| | Catfish, Channel | 94 | 87 | 0 | 0 | 0 | 0 | 181 | 0.69 |
| | Catfish, Flathead | 6 | 9 | 0 | 0 | 0 | 0 | 15 | 0.06 |
| | Catfish, White | 0 | 6 | 0 | 0 | 0 | 0 | 6 | 0.02 |
| | Crappie, Black | 353 | 481 | 0 | 208 | 0 | 0 | 1,042 | 3.94 |
| | Crappie, White | 1 | 1 | 0 | 1 | 0 | 0 | 3 | 0.01 |
| | Croaker, Atlantic | 45 | 177 | 0 | 0 | 0 | 0 | 222 | 0.84 |
| | Drum, Black | 4 | 1 | 0 | 1 | 0 | 0 | 6 | 0.02 |
| | Drum, Red | 110 | 119 | 24 | 969 | 0 | 54 | 1,276 | 4.83 |
| | Eel, American | 0 | 7 | 0 | 0 | 0 | 0 | 7 | 0.03 |
| | Flounder, Lefteye Family | 86 | 215 | 6 | 864 | 0 | 0 | 1,171 | 4.43 |
| | Flounder, Southern | 48 | 40 | 0 | 156 | 0 | 0 | 244 | 0.92 |
| | Gar, Longnose | 0 | 52 | 0 | 0 | 0 | 0 | 52 | 0.20 |
| | Herring Genus | 0 | 5 | 0 | 0 | 0 | 0 | 5 | 0.02 |
| | Ladyfish | 0 | 9 | 0 | 0 | 0 | 0 | 9 | 0.03 |
| | Mackerel, Spanish | 7 | 8 | 0 | 31 | 0 | 0 | 46 | 0.17 |
| | Mullet Genus | 10 | 3 | 0 | 0 | 0 | 0 | 13 | 0.05 |
| | Mullet, Striped | 1 | 8 | 0 | 0 | 0 | 0 | 9 | 0.03 |
| | Perch, Silver | 0 | 3 | 0 | 0 | 0 | 0 | 3 | 0.01 |
| | Perch, White | 156 | 121 | 0 | 0 | 0 | 0 | 277 | 1.05 |
| | Perch, Yellow | 8 | 25 | 0 | 0 | 0 | 0 | 33 | 0.12 |
| | Pickrel, Chain | 1 | 171 | 0 | 0 | 0 | 0 | 172 | 0.65 |
| | Pinfish | 0 | 45 | 0 | 0 | 0 | 0 | 45 | 0.17 |
| | Pumpkinseed | 30 | 30 | 0 | 0 | 0 | 0 | 60 | 0.23 |
| | Ray, Cownose | 0 | 21 | 0 | 0 | 0 | 0 | 21 | 0.08 |
| | Seatrout, Spotted | 2,134 | 1,244 | 1,250 | 2,153 | 0 | 0 | 6,781 | 25.67 |
| | Shad Genus | 12 | 316 | 0 | 0 | 0 | 0 | 328 | 1.24 |
| | Shad, American | 198 | 448 | 136 | 0 | 0 | 0 | 782 | 2.96 |
| | Shad, Gizzard | 20 | 4 | 0 | 0 | 0 | 0 | 24 | 0.09 |
| | Shad, Hickory | 499 | 1,320 | 82 | 0 | 0 | 0 | 1,901 | 7.20 |
| | Sheepshead | 0 | 1 | 0 | 2 | 0 | 0 | 3 | 0.01 |
| | Skate, Clearnose | 0 | 10 | 0 | 0 | 0 | 0 | 10 | 0.04 |
| | Spot | 47 | 60 | 0 | 0 | 0 | 0 | 107 | 0.40 |
| | Stingray Family | 0 | 6 | 0 | 0 | 0 | 0 | 6 | 0.02 |
| | Sunfish Genus | 190 | 3,864 | 167 | 0 | 0 | 0 | 4,221 | 15.98 |

Table IV.4 **Reported and observed catches (in numbers) by species and disposition (continued).**

| Year | Common Name | Harvest | Discards | | | | | Number of Fish | Percent Total |
|------|--------------------|--------------|---------------|--------------|--------------|------------|------------|----------------|---------------|
| | | | Legal Sized | Over Creel | Sub-Legal | Slot-Limit | Over Sized | | |
| 2021 | Sunfish, Green | 5 | 36 | 0 | 0 | 0 | 0 | 41 | 0.16 |
| | Sunfish, Redbreast | 15 | 11 | 0 | 0 | 0 | 0 | 26 | 0.10 |
| | Sunfish, Redear | 218 | 108 | 0 | 0 | 0 | 0 | 326 | 1.23 |
| | Unidentified Fish | 0 | 5 | 0 | 0 | 0 | 0 | 5 | 0.02 |
| | Weakfish | 5 | 0 | 0 | 3 | 0 | 0 | 8 | 0.03 |
| | Total | 5,117 | 14,615 | 1,676 | 4,871 | 87 | 54 | 26,420 | 100.00 |

Table IV.4 Reported and observed catches (in numbers) by species and disposition (continued).

| Year | Common Name | Harvest | Discards | | | | | Number of Fish | Percent Total |
|------|----------------------------|--------------|--------------|------------|--------------|------------|------------|----------------|---------------|
| | | | Legal Sized | Over Creel | Sub-Legal | Slot-Limit | Over Sized | | |
| 2020 | Bass, Black Sea | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0.01 |
| | Bass, Largemouth | 9 | 1,175 | 0 | 36 | 0 | 0 | 1,220 | 10.10 |
| | Bass, Striped | 0 | 150 | 0 | 175 | 50 | 0 | 375 | 3.11 |
| | Bluefish | 13 | 0 | 0 | 0 | 0 | 0 | 13 | 0.11 |
| | Bluegill | 222 | 180 | 58 | 0 | 0 | 0 | 460 | 3.81 |
| | Bowfin | 1 | 56 | 0 | 0 | 0 | 0 | 57 | 0.47 |
| | Catfish, Blue | 7 | 7 | 0 | 0 | 0 | 0 | 14 | 0.12 |
| | Catfish, Channel | 21 | 28 | 0 | 0 | 0 | 0 | 49 | 0.41 |
| | Catfish, Flathead | 1 | 1 | 0 | 0 | 0 | 0 | 2 | 0.02 |
| | Catfish, Freshwater Family | 29 | 41 | 0 | 0 | 0 | 0 | 70 | 0.58 |
| | Crappie, Black | 341 | 88 | 32 | 75 | 0 | 0 | 536 | 4.44 |
| | Croaker, Atlantic | 24 | 5 | 0 | 0 | 0 | 0 | 29 | 0.24 |
| | Drum, Black | 25 | 1 | 0 | 0 | 0 | 0 | 26 | 0.22 |
| | Drum, Red | 145 | 35 | 6 | 276 | 0 | 2 | 464 | 3.84 |
| | Eel, American | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 0.02 |
| | Flounder, Lefteye Family | 9 | 12 | 0 | 106 | 0 | 0 | 127 | 1.05 |
| | Flounder, Southern | 44 | 0 | 0 | 8 | 0 | 0 | 52 | 0.43 |
| | Flounder, Summer | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 0.02 |
| | Gar, Longnose | 1 | 28 | 0 | 0 | 0 | 0 | 29 | 0.24 |
| | Herring Family | 0 | 20 | 0 | 0 | 0 | 0 | 20 | 0.17 |
| | Kingfish Genus | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 0.02 |
| | Mackerel, Spanish | 28 | 0 | 0 | 0 | 0 | 0 | 28 | 0.23 |
| | Menhaden, Atlantic | 0 | 10 | 0 | 0 | 0 | 0 | 10 | 0.08 |
| | Mullet, Striped | 77 | 1 | 0 | 0 | 0 | 0 | 78 | 0.65 |
| | Perch, White | 225 | 96 | 0 | 0 | 0 | 0 | 321 | 2.66 |
| | Perch, Yellow | 44 | 44 | 0 | 0 | 0 | 0 | 88 | 0.73 |
| | Pickrel, Chain | 0 | 48 | 0 | 0 | 0 | 0 | 48 | 0.40 |
| | Pumpkinseed | 15 | 2 | 0 | 0 | 0 | 0 | 17 | 0.14 |
| | Ray, Cownose | 0 | 3 | 0 | 0 | 0 | 0 | 3 | 0.02 |
| | Seatrout, Spotted | 2,290 | 319 | 40 | 762 | 0 | 0 | 3,411 | 28.24 |
| | Shad Genus | 0 | 559 | 74 | 0 | 0 | 0 | 633 | 5.24 |
| | Shad, American | 128 | 235 | 33 | 0 | 0 | 0 | 396 | 3.28 |
| | Shad, Hickory | 616 | 1,328 | 79 | 0 | 0 | 0 | 2,023 | 16.75 |
| | Spot | 59 | 85 | 0 | 0 | 0 | 0 | 144 | 1.19 |
| | Sunfish Genus | 295 | 924 | 45 | 0 | 0 | 0 | 1,264 | 10.47 |
| | Sunfish, Redbreast | 19 | 0 | 0 | 0 | 0 | 0 | 19 | 0.16 |
| | Sunfish, Redear | 23 | 5 | 0 | 0 | 0 | 0 | 28 | 0.23 |
| | Toadfish, Oyster | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0.01 |
| | Warmouth | 0 | 14 | 0 | 0 | 0 | 0 | 14 | 0.12 |
| | Weakfish | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0.01 |
| | Total | 4,714 | 5,503 | 367 | 1,441 | 50 | 2 | 12,077 | 100.00 |

Table IV.4 Reported and observed catches (in numbers) by species and disposition (*continued*).

| Year | Common Name | Harvest | Discards | | | | | Number of Fish | Percent Total |
|------|----------------------------|---------|-------------|------------|-----------|------------|------------|----------------|---------------|
| | | | Legal Sized | Over Creel | Sub-Legal | Slot-Limit | Over Sized | | |
| 2019 | Bass, Largemouth | 126 | 1,856 | 5 | 979 | 0 | 0 | 2,966 | 11.37 |
| | Bass, Striped | 38 | 533 | 39 | 1,449 | 155 | 0 | 2,214 | 8.49 |
| | Bluefish | 10 | 25 | 0 | 0 | 0 | 0 | 35 | 0.13 |
| | Bluegill | 620 | 465 | 0 | 0 | 0 | 0 | 1,085 | 4.16 |
| | Bowfin | 3 | 474 | 0 | 0 | 0 | 0 | 477 | 1.83 |
| | Carp, Common | 0 | 3 | 0 | 0 | 0 | 0 | 3 | 0.01 |
| | Catfish, Blue | 40 | 38 | 0 | 0 | 0 | 0 | 78 | 0.30 |
| | Catfish, Brown Bullhead | 6 | 0 | 0 | 0 | 0 | 0 | 6 | 0.02 |
| | Catfish, Channel | 82 | 85 | 0 | 0 | 0 | 0 | 167 | 0.64 |
| | Catfish, Flathead | 11 | 9 | 0 | 0 | 0 | 0 | 20 | 0.08 |
| | Catfish, Freshwater Family | 107 | 191 | 0 | 0 | 0 | 0 | 298 | 1.14 |
| | Catfish, White | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 0.01 |
| | Crappie, Black | 539 | 295 | 15 | 276 | 0 | 0 | 1,125 | 4.31 |
| | Croaker, Atlantic | 12 | 143 | 0 | 0 | 0 | 0 | 155 | 0.59 |
| | Drum, Black | 32 | 5 | 0 | 22 | 0 | 0 | 59 | 0.23 |
| | Drum, Red | 13 | 60 | 1 | 2,275 | 0 | 26 | 2,375 | 9.10 |
| | Eel, American | 0 | 5 | 0 | 0 | 0 | 0 | 5 | 0.02 |
| | Flounder, Lefteye Family | 1 | 55 | 0 | 731 | 0 | 0 | 787 | 3.02 |
| | Flounder, Southern | 66 | 7 | 0 | 85 | 0 | 0 | 158 | 0.61 |
| | Flounder, Summer | 16 | 5 | 0 | 13 | 0 | 0 | 34 | 0.13 |
| | Gar, Longnose | 2 | 84 | 0 | 0 | 0 | 0 | 86 | 0.33 |
| | Herring Genus | 0 | 8 | 0 | 0 | 0 | 0 | 8 | 0.03 |
| | Herring, Blueback | 0 | 1 | 0 | 0 | 0 | 0 | 1 | <0.01 |
| | Kingfish Genus | 1 | 0 | 0 | 0 | 0 | 0 | 1 | <0.01 |
| | Ladyfish | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 0.01 |
| | Mackerel, Spanish | 11 | 1 | 0 | 32 | 0 | 0 | 44 | 0.17 |
| | Manhaden, Atlantic | 0 | 20 | 0 | 0 | 0 | 0 | 20 | 0.08 |
| | Mullet Genus | 0 | 1 | 0 | 0 | 0 | 0 | 1 | <0.01 |
| | Mullet, Striped | 1 | 1 | 0 | 0 | 0 | 0 | 2 | 0.01 |
| | Perch, Silver | 0 | 7 | 0 | 0 | 0 | 0 | 7 | 0.03 |
| | Perch, White | 297 | 143 | 0 | 0 | 0 | 0 | 440 | 1.69 |
| | Perch, Yellow | 23 | 96 | 0 | 0 | 0 | 0 | 119 | 0.46 |
| | Pickrel, Chain | 2 | 114 | 0 | 0 | 0 | 0 | 116 | 0.44 |
| | Pinfish | 0 | 24 | 0 | 0 | 0 | 0 | 24 | 0.09 |
| | Pumpkinseed | 62 | 25 | 0 | 0 | 0 | 0 | 87 | 0.33 |
| | Ray, Cownose | 0 | 6 | 0 | 0 | 0 | 0 | 6 | 0.02 |
| | Seatrout, Spotted | 1,996 | 926 | 401 | 3,305 | 0 | 0 | 6,628 | 25.41 |
| | Shad Genus | 4 | 184 | 125 | 0 | 0 | 0 | 313 | 1.20 |
| | Shad, American | 194 | 238 | 0 | 0 | 0 | 0 | 432 | 1.66 |
| | Shad, Gizzard | 0 | 3 | 0 | 0 | 0 | 0 | 3 | 0.01 |
| | Shad, Hickory | 489 | 1,465 | 43 | 0 | 0 | 0 | 1,997 | 7.65 |
| | Shiner, Golden | 1 | 0 | 0 | 0 | 0 | 0 | 1 | <0.01 |
| | Skate, Clearnose | 0 | 1 | 0 | 0 | 0 | 0 | 1 | <0.01 |
| | Spot | 65 | 170 | 0 | 0 | 0 | 0 | 235 | 0.90 |
| | Sunfish Genus | 794 | 2,396 | 15 | 0 | 0 | 0 | 3,205 | 12.29 |

Table IV.4 Reported and observed catches (in numbers) by species and disposition (*continued*).

| Year | Common Name | Harvest | Discards | | | | | Number of Fish | Percent Total |
|------|--------------------|--------------|---------------|------------|--------------|------------|------------|----------------|---------------|
| | | | Legal Sized | Over Creel | Sub-Legal | Slot-Limit | Over Sized | | |
| 2019 | Sunfish, Green | 12 | 0 | 0 | 0 | 0 | 0 | 12 | 0.05 |
| | Sunfish, Redbreast | 5 | 13 | 0 | 0 | 0 | 0 | 18 | 0.07 |
| | Sunfish, Redear | 103 | 96 | 0 | 0 | 0 | 0 | 199 | 0.76 |
| | Unidentified Fish | 0 | 4 | 0 | 0 | 0 | 0 | 4 | 0.02 |
| | Warmouth | 3 | 23 | 0 | 0 | 0 | 0 | 26 | 0.10 |
| | Weakfish | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0.00 |
| | Total | 5,789 | 10,307 | 644 | 9,167 | 155 | 26 | 26,088 | 100.00 |

Table IV.4 Reported and observed catches (in numbers) by species and disposition (continued).

| Year | Common Name | Harvest | Discards | | | | | Number of Fish | Percent Total |
|------|--------------------------|---------|-------------|------------|-----------|------------|------------|----------------|---------------|
| | | | Legal Sized | Over Creel | Sub-Legal | Slot-Limit | Over Sized | | |
| 2018 | Bass, Hybrid Striped | 0 | 4 | 0 | 0 | 0 | 0 | 4 | 0.02 |
| | Bass, Largemouth | 50 | 1,479 | 0 | 518 | 0 | 0 | 2,047 | 10.42 |
| | Bass, Striped | 219 | 566 | 82 | 2,244 | 121 | 2 | 3,234 | 16.47 |
| | Bass, White | 0 | 7 | 0 | 0 | 0 | 0 | 7 | 0.04 |
| | Bluefish | 10 | 141 | 0 | 0 | 0 | 0 | 151 | 0.77 |
| | Bluegill | 559 | 569 | 0 | 0 | 0 | 0 | 1,128 | 5.74 |
| | Bowfin | 23 | 289 | 0 | 0 | 0 | 0 | 312 | 1.59 |
| | Carp, Common | 1 | 4 | 0 | 0 | 0 | 0 | 5 | 0.03 |
| | Catfish Family | 59 | 232 | 0 | 0 | 0 | 0 | 291 | 1.48 |
| | Catfish, Blue | 72 | 67 | 0 | 0 | 0 | 0 | 139 | 0.71 |
| | Catfish, Brown Bullhead | 4 | 0 | 0 | 0 | 0 | 0 | 4 | 0.02 |
| | Catfish, Channel | 71 | 76 | 0 | 0 | 0 | 0 | 147 | 0.75 |
| | Catfish, Flathead | 12 | 10 | 0 | 0 | 0 | 0 | 22 | 0.11 |
| | Catfish, White | 6 | 0 | 0 | 0 | 0 | 0 | 6 | 0.03 |
| | Catfish, Yellow Bullhead | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 0.01 |
| | Crappie, Black | 603 | 214 | 20 | 309 | 0 | 0 | 1,146 | 5.84 |
| | Croaker, Atlantic | 2 | 63 | 0 | 0 | 0 | 0 | 65 | 0.33 |
| | Drum, Black | 31 | 1 | 0 | 4 | 0 | 0 | 36 | 0.18 |
| | Drum, Red | 23 | 18 | 0 | 88 | 3 | 21 | 153 | 0.78 |
| | Eel, American | 1 | 28 | 0 | 0 | 0 | 0 | 29 | 0.15 |
| | Flounder, Lefteye Family | 6 | 16 | 10 | 759 | 0 | 0 | 791 | 4.03 |
| | Flounder, Southern | 55 | 0 | 0 | 0 | 0 | 0 | 55 | 0.28 |
| | Gar, Longnose | 2 | 95 | 0 | 0 | 0 | 0 | 97 | 0.49 |
| | Herring Family | 0 | 9 | 0 | 0 | 0 | 0 | 9 | 0.05 |
| | Herring, Blueback | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 0.01 |
| | Mackerel, Spanish | 0 | 0 | 0 | 6 | 0 | 0 | 6 | 0.03 |
| | Mullet Genus | 0 | 46 | 0 | 0 | 0 | 0 | 46 | 0.23 |
| | Mullet, Striped | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 0.01 |
| | Perch, Silver | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 0.01 |
| | Perch, White | 604 | 169 | 0 | 0 | 0 | 0 | 773 | 3.94 |
| | Perch, Yellow | 68 | 59 | 0 | 0 | 0 | 0 | 127 | 0.65 |
| | Pickrel, Chain | 1 | 85 | 0 | 0 | 0 | 0 | 86 | 0.44 |
| | Pinfish | 0 | 35 | 0 | 0 | 0 | 0 | 35 | 0.18 |
| | Pumpkinseed | 32 | 17 | 0 | 0 | 0 | 0 | 49 | 0.25 |
| | Ray, Cownose | 0 | 13 | 0 | 0 | 0 | 0 | 13 | 0.07 |
| | Seatrout, Spotted | 62 | 135 | 0 | 845 | 0 | 0 | 1,042 | 5.31 |
| | Shad Genus | 0 | 204 | 16 | 0 | 0 | 0 | 220 | 1.12 |
| | Shad, American | 289 | 383 | 86 | 0 | 0 | 0 | 758 | 3.86 |
| | Shad, Gizzard | 0 | 3 | 0 | 0 | 0 | 0 | 3 | 0.02 |
| | Shad, Hickory | 939 | 2,682 | 390 | 0 | 0 | 0 | 4,011 | 20.42 |
| | Shiner, Golden | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0.01 |
| | Skate, Clearnose | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0.01 |
| | Spot | 24 | 86 | 0 | 0 | 0 | 0 | 110 | 0.56 |
| | Stingray Family | 0 | 11 | 0 | 0 | 0 | 0 | 11 | 0.06 |
| | Stingray, Atlantic | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 0.01 |

Table IV.4 **Reported and observed catches (in numbers) by species and disposition (continued).**

| Year | Common Name | Harvest | Discards | | | | | Number of Fish | Percent Total |
|------|--------------------|--------------|--------------|------------|--------------|------------|------------|----------------|---------------|
| | | | Legal Sized | Over Creel | Sub-Legal | Slot-Limit | Over Sized | | |
| 2018 | Sunfish Genus | 306 | 1,789 | 108 | 0 | 0 | 0 | 2,203 | 11.22 |
| | Sunfish, Redbreast | 12 | 21 | 0 | 0 | 0 | 0 | 33 | 0.17 |
| | Sunfish, Redear | 102 | 59 | 0 | 0 | 0 | 0 | 161 | 0.82 |
| | Tarpon | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0.01 |
| | Warmouth | 8 | 52 | 0 | 0 | 0 | 0 | 60 | 0.31 |
| | Total | 4,263 | 9,743 | 712 | 4,773 | 124 | 23 | 19,638 | 100.00 |

Table IV.4 Reported and observed catches (in numbers) by species and disposition (continued).

| Year | Common Name | Harvest | Discards | | | | | Number of Fish | Percent Total |
|------|----------------------------|---------|-------------|------------|-----------|------------|------------|----------------|---------------|
| | | | Legal Sized | Over Creel | Sub-Legal | Slot-Limit | Over Sized | | |
| 2017 | Bass, Hybrid Striped | 2 | 2 | 0 | 1 | 0 | 0 | 5 | 0.02 |
| | Bass, Largemouth | 86 | 2,296 | 0 | 995 | 0 | 0 | 3,377 | 11.65 |
| | Bass, Spotted | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 0.01 |
| | Bass, Striped | 304 | 853 | 59 | 5,020 | 83 | 6 | 6,325 | 21.83 |
| | Bass, White | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 0.01 |
| | Bluefish | 6 | 44 | 0 | 0 | 0 | 0 | 50 | 0.17 |
| | Bluegill | 752 | 588 | 0 | 0 | 0 | 0 | 1,340 | 4.62 |
| | Bowfin | 5 | 466 | 0 | 0 | 0 | 0 | 471 | 1.63 |
| | Catfish, Black Bullhead | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 0.01 |
| | Catfish, Blue | 52 | 67 | 0 | 0 | 0 | 0 | 119 | 0.41 |
| | Catfish, Brown Bullhead | 0 | 1 | 0 | 0 | 0 | 0 | 1 | <0.01 |
| | Catfish, Channel | 72 | 84 | 0 | 0 | 0 | 0 | 156 | 0.54 |
| | Catfish, Flatfish | 8 | 14 | 0 | 0 | 0 | 0 | 22 | 0.08 |
| | Catfish, Freshwater Family | 53 | 135 | 0 | 0 | 0 | 0 | 188 | 0.65 |
| | Crappie, Black | 681 | 251 | 31 | 370 | 0 | 0 | 1,333 | 4.60 |
| | Croaker, Atlantic | 34 | 184 | 0 | 0 | 0 | 0 | 218 | 0.75 |
| | Drum, Black | 38 | 0 | 0 | 13 | 0 | 0 | 51 | 0.18 |
| | Drum, Red | 93 | 77 | 20 | 838 | 1 | 6 | 1,035 | 3.57 |
| | Eel, American | 0 | 13 | 0 | 0 | 0 | 0 | 13 | 0.04 |
| | Flounder, Lefteye Family | 16 | 9 | 0 | 1,046 | 0 | 0 | 1,071 | 3.70 |
| | Flounder, Southern | 90 | 5 | 0 | 7 | 0 | 0 | 102 | 0.35 |
| | Gar, Longnose | 3 | 109 | 0 | 0 | 0 | 0 | 112 | 0.39 |
| | Herring Family | 0 | 25 | 0 | 0 | 0 | 0 | 25 | 0.09 |
| | Herring, Blueback | 1 | 0 | 0 | 0 | 0 | 0 | 1 | <0.01 |
| | Mackerel, Spanish | 1 | 0 | 0 | 1 | 0 | 0 | 2 | 0.01 |
| | Mullet Genus | 1 | 50 | 0 | 0 | 0 | 0 | 51 | 0.18 |
| | Mullet, Striped | 0 | 6 | 0 | 0 | 0 | 0 | 6 | 0.02 |
| | Perch, Silver | 0 | 11 | 0 | 0 | 0 | 0 | 11 | 0.04 |
| | Perch, White | 828 | 354 | 0 | 0 | 0 | 0 | 1,182 | 4.08 |
| | Perch, Yellow | 64 | 106 | 18 | 0 | 0 | 0 | 188 | 0.65 |
| | Pickrel, Chain | 6 | 217 | 0 | 0 | 0 | 0 | 223 | 0.77 |
| | Pinfish | 0 | 53 | 0 | 0 | 0 | 0 | 53 | 0.18 |
| | Pumpkinseed | 78 | 29 | 0 | 0 | 0 | 0 | 107 | 0.37 |
| | Ray, Cownose | 0 | 7 | 0 | 0 | 0 | 0 | 7 | 0.02 |
| | Seatrout, Spotted | 657 | 320 | 42 | 2,686 | 0 | 0 | 3,705 | 12.78 |
| | Shad Genus | 0 | 199 | 0 | 0 | 0 | 0 | 199 | 0.69 |
| | Shad, American | 118 | 413 | 6 | 0 | 0 | 0 | 537 | 1.85 |
| | Shad, Gizzard | 1 | 7 | 0 | 0 | 0 | 0 | 8 | 0.03 |
| | Shad, Hickory | 680 | 2,330 | 198 | 0 | 0 | 0 | 3,208 | 11.07 |
| | Skate, Clearnose | 0 | 9 | 0 | 0 | 0 | 0 | 9 | 0.03 |
| | Spot | 59 | 170 | 0 | 0 | 0 | 0 | 229 | 0.79 |
| | Stingray Family | 0 | 8 | 0 | 0 | 0 | 0 | 8 | 0.03 |
| | Sunfish Genus | 2 | 2,393 | 162 | 0 | 0 | 0 | 2,557 | 8.82 |
| | Sunfish, Green | 1 | 0 | 0 | 0 | 0 | 0 | 1 | <0.01 |
| | Sunfish, Redbreast | 27 | 71 | 0 | 0 | 0 | 0 | 98 | 0.34 |

Table IV.4 Reported and observed catches (in numbers) by species and disposition (*continued*).

| Year | Common Name | Harvest | Discards | | | | | Number of Fish | Percent Total |
|------|-----------------|---------|-------------|------------|-----------|------------|------------|----------------|---------------|
| | | | Legal Sized | Over Creel | Sub-Legal | Slot-Limit | Over Sized | | |
| 2017 | Sunfish, Redear | 175 | 84 | 0 | 0 | 0 | 0 | 259 | 0.89 |
| | Tarpon | 210 | 0 | 0 | 0 | 0 | 0 | 210 | 0.72 |
| | Warmouth | 19 | 76 | 0 | 0 | 0 | 0 | 95 | 0.33 |
| | Weakfish | 0 | 1 | 0 | 5 | 0 | 0 | 6 | 0.02 |
| | Total | 5,223 | 12,141 | 536 | 10,984 | 84 | 12 | 28,980 | 100.00 |

Table IV.4 Reported and observed catches (in numbers) by species and disposition (continued).

| Year | Common Name | Harvest | Discards | | | | | Number of Fish | Percent Total |
|------|----------------------------|---------|-------------|------------|-----------|------------|------------|----------------|---------------|
| | | | Legal Sized | Over Creel | Sub-Legal | Slot-Limit | Over Sized | | |
| 2016 | Bass, Black Sea | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0.01 |
| | Bass, Hybrid Striped | 11 | 0 | 0 | 1 | 1 | 0 | 13 | 0.18 |
| | Bass, Largemouth | 51 | 305 | 2 | 180 | 0 | 0 | 538 | 7.44 |
| | Bass, Spotted | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0.01 |
| | Bass, Striped | 260 | 80 | 1 | 468 | 67 | 14 | 890 | 12.30 |
| | Bass, White | 4 | 3 | 0 | 0 | 0 | 0 | 7 | 0.10 |
| | Bluegill | 475 | 76 | 2 | 1 | 0 | 0 | 554 | 7.66 |
| | Bowfin | 25 | 101 | 0 | 1 | 0 | 0 | 127 | 1.76 |
| | Catfish, Blue | 96 | 21 | 0 | 0 | 0 | 0 | 117 | 1.62 |
| | Catfish, Brown Bullhead | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0.01 |
| | Catfish, Channel | 61 | 9 | 0 | 0 | 0 | 0 | 70 | 0.97 |
| | Catfish, Flathead | 21 | 7 | 0 | 0 | 0 | 0 | 28 | 0.39 |
| | Catfish, Freshwater Family | 12 | 46 | 0 | 4 | 0 | 0 | 62 | 0.86 |
| | Catfish, White | 3 | 0 | 0 | 0 | 0 | 0 | 3 | 0.04 |
| | Crappie, Black | 499 | 72 | 1 | 34 | 0 | 0 | 606 | 8.38 |
| | Croaker, Atlantic | 32 | 36 | 0 | 2 | 0 | 0 | 70 | 0.97 |
| | Drum, Black | 51 | 1 | 0 | 9 | 0 | 0 | 61 | 0.84 |
| | Drum, Red | 19 | 10 | 0 | 153 | 0 | 0 | 182 | 2.52 |
| | Eel, American | 1 | 4 | 0 | 0 | 0 | 0 | 5 | 0.07 |
| | Flounder, Lefteye Family | 22 | 3 | 0 | 112 | 0 | 0 | 137 | 1.89 |
| | Flounder, Southern | 55 | 0 | 0 | 0 | 0 | 0 | 55 | 0.76 |
| | Gar, Longnose | 0 | 36 | 0 | 0 | 0 | 0 | 36 | 0.50 |
| | Ladyfish | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0.01 |
| | Mackerel, Spanish | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0.01 |
| | Menhaden, Atlantic | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0.01 |
| | Mullet Genus | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 0.03 |
| | Mullet, Striped | 0 | 2 | 0 | 1 | 0 | 0 | 3 | 0.04 |
| | Perch, Yellow | 13 | 29 | 0 | 1 | 0 | 0 | 43 | 0.59 |
| | Perch, Silver | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 0.03 |
| | Perch, White | 712 | 88 | 0 | 14 | 0 | 0 | 814 | 11.25 |
| | Pickrel, Chain | 3 | 81 | 0 | 2 | 0 | 0 | 86 | 1.19 |
| | Pinfish | 3 | 6 | 0 | 0 | 0 | 0 | 9 | 0.12 |
| | Pinfish, Spottail | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0.01 |
| | Pumpkinseed | 25 | 9 | 0 | 1 | 0 | 0 | 35 | 0.48 |
| | Ray, Cownose | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 0.03 |
| | Seatrout, Spotted | 234 | 11 | 1 | 134 | 0 | 0 | 380 | 5.25 |
| | Shad Genus | 0 | 5 | 5 | 0 | 0 | 0 | 10 | 0.14 |
| | Shad, American | 492 | 54 | 12 | 10 | 0 | 0 | 568 | 7.85 |
| | Shad, Gizzard | 288 | 9 | 0 | 1 | 0 | 0 | 298 | 4.12 |
| | Shad, Hickory | 418 | 67 | 4 | 0 | 0 | 0 | 489 | 6.76 |
| | Shad, Threadfin | 137 | 2 | 0 | 0 | 0 | 0 | 139 | 1.92 |
| | Skate, Clearnose | 0 | 3 | 0 | 0 | 0 | 0 | 3 | 0.04 |
| | Spot | 6 | 8 | 0 | 4 | 0 | 0 | 18 | 0.25 |
| | Stingray Family | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0.01 |
| | Sunfish Genus | 352 | 146 | 3 | 14 | 0 | 0 | 515 | 7.12 |

Table IV.4 Reported and observed catches (in numbers) by species and disposition (*continued*).

| Year | Common Name | Harvest | Discards | | | | | Number of Fish | Percent Total |
|------|--------------------|--------------|--------------|------------|--------------|------------|------------|----------------|---------------|
| | | | Legal Sized | Over Creel | Sub-Legal | Slot-Limit | Over Sized | | |
| 2016 | Sunfish, Green | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 0.03 |
| | Sunfish, Redbreast | 45 | 16 | 0 | 1 | 0 | 0 | 62 | 0.86 |
| | Sunfish, Redear | 135 | 18 | 0 | 1 | 0 | 0 | 154 | 2.13 |
| | Unidentified Fish | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0.01 |
| | Warmouth | 9 | 19 | 0 | 0 | 0 | 0 | 28 | 0.39 |
| | Weakfish | 2 | 1 | 0 | 0 | 0 | 0 | 3 | 0.04 |
| | Total | 4,573 | 1,396 | 31 | 1,153 | 68 | 14 | 7,235 | 100.00 |

Table IV.4 Reported and observed catches (in numbers) by species and disposition (continued).

| Year | Common Name | Harvest | Discards | | | | | Number of Fish | Percent Total |
|------|----------------------------|--------------|--------------|------------|------------|------------|------------|----------------|---------------|
| | | | Legal Sized | Over Creel | Sub-Legal | Slot-Limit | Over Sized | | |
| 2015 | Bass, Hybrid Striped | 11 | 1 | 0 | 3 | 0 | 0 | 15 | 0.26 |
| | Bass, Largemouth | 61 | 244 | 0 | 182 | 0 | 0 | 487 | 8.50 |
| | Bass, Striped | 151 | 71 | 2 | 263 | 23 | 21 | 531 | 9.27 |
| | Bass, White | 0 | 3 | 0 | 0 | 0 | 0 | 3 | 0.05 |
| | Bluefish | 0 | 5 | 0 | 0 | 0 | 0 | 5 | 0.09 |
| | Bluegill | 745 | 91 | 0 | 0 | 0 | 0 | 836 | 14.59 |
| | Bowfin | 3 | 77 | 0 | 0 | 0 | 0 | 80 | 1.40 |
| | Carp, Common | 0 | 4 | 0 | 0 | 0 | 0 | 4 | 0.07 |
| | Catfish, Black Bullhead | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0.02 |
| | Catfish, Blue | 128 | 26 | 0 | 0 | 0 | 0 | 154 | 2.69 |
| | Catfish, Brown Bullhead | 4 | 0 | 0 | 0 | 0 | 0 | 4 | 0.07 |
| | Catfish, Channel | 67 | 24 | 0 | 0 | 0 | 0 | 91 | 1.59 |
| | Catfish, Flathead | 7 | 6 | 0 | 0 | 0 | 0 | 13 | 0.23 |
| | Catfish, Freshwater Family | 14 | 43 | 0 | 0 | 0 | 0 | 57 | 0.99 |
| | Catfish, White | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0.02 |
| | Crappie, Black | 462 | 48 | 0 | 29 | 0 | 0 | 539 | 9.40 |
| | Croaker, Atlantic | 10 | 28 | 0 | 6 | 0 | 0 | 44 | 0.77 |
| | Drum, Red | 2 | 10 | 1 | 28 | 0 | 1 | 42 | 0.73 |
| | Eel, American | 1 | 4 | 0 | 1 | 0 | 0 | 6 | 0.10 |
| | Flounder, Lefteye Family | 8 | 4 | 1 | 101 | 0 | 0 | 114 | 1.99 |
| | Flounder, Southern | 70 | 1 | 0 | 6 | 0 | 0 | 77 | 1.34 |
| | Flounder, Summer | 29 | 9 | 0 | 16 | 0 | 0 | 54 | 0.94 |
| | Gar, Longnose | 0 | 34 | 0 | 0 | 0 | 0 | 34 | 0.59 |
| | Mackerel, Spanish | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 0.03 |
| | Mullet, Striped | 4 | 1 | 0 | 0 | 0 | 0 | 5 | 0.09 |
| | Perch, Silver | 2 | 2 | 0 | 0 | 0 | 0 | 4 | 0.07 |
| | Perch, White | 623 | 55 | 0 | 24 | 0 | 0 | 702 | 12.25 |
| | Perch, Yellow | 29 | 16 | 0 | 1 | 0 | 0 | 46 | 0.80 |
| | Pickrel, Chain | 1 | 39 | 0 | 0 | 0 | 0 | 40 | 0.70 |
| | Pinfish | 0 | 12 | 0 | 0 | 0 | 0 | 12 | 0.21 |
| | Pumpkinseed | 57 | 6 | 0 | 0 | 0 | 0 | 63 | 1.10 |
| | Ray, Cownose | 0 | 6 | 0 | 0 | 0 | 0 | 6 | 0.10 |
| | Seatrout, Spotted | 93 | 10 | 1 | 92 | 0 | 0 | 196 | 3.42 |
| | Shad Genus | 0 | 15 | 0 | 0 | 0 | 0 | 15 | 0.26 |
| | Shad, American | 169 | 25 | 4 | 0 | 0 | 0 | 198 | 3.45 |
| | Shad, Gizzard | 4 | 6 | 0 | 0 | 0 | 0 | 10 | 0.17 |
| | Shad, Hickory | 428 | 65 | 9 | 0 | 0 | 0 | 502 | 8.76 |
| | Shad, Threadfin | 22 | 1 | 0 | 0 | 0 | 0 | 23 | 0.40 |
| | Shiner, Golden | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0.02 |
| | Spot | 74 | 17 | 0 | 3 | 0 | 0 | 94 | 1.64 |
| | Stingray Family | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 0.03 |
| | Sunfish Genus | 300 | 138 | 1 | 11 | 0 | 0 | 450 | 7.85 |
| | Sunfish, Redbreast | 58 | 15 | 0 | 0 | 0 | 0 | 73 | 1.27 |
| | Sunfish, Redear | 63 | 12 | 0 | 0 | 0 | 0 | 75 | 1.31 |
| | Unidentified Fish | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 0.03 |
| | Warmouth | 10 | 8 | 0 | 0 | 0 | 0 | 18 | 0.31 |
| | Total | 3,712 | 1,187 | 19 | 768 | 23 | 22 | 5,731 | 100.00 |

Table IV.4 Reported and observed catches (in numbers) by species and disposition (continued).

| Year | Common Name | Harvest | Discards | | | | | Number of Fish | Percent Total |
|------|----------------------------|---------|-------------|------------|-----------|------------|------------|----------------|---------------|
| | | | Legal Sized | Over Creel | Sub-Legal | Slot-Limit | Over Sized | | |
| 2014 | Bass, Black Sea | 0 | 1 | 0 | 1 | 0 | 0 | 2 | 0.02 |
| | Bass, Hybrid Striped | 25 | 8 | 0 | 36 | 1 | 0 | 70 | 0.66 |
| | Bass, Largemouth | 40 | 467 | 3 | 545 | 0 | 0 | 1,055 | 9.99 |
| | Bass, Spotted | 0 | 1 | 0 | 2 | 0 | 0 | 3 | 0.03 |
| | Bass, Striped | 149 | 290 | 20 | 800 | 155 | 10 | 1,424 | 13.48 |
| | Bass, White | 0 | 6 | 0 | 2 | 0 | 0 | 8 | 0.08 |
| | Bluefish | 3 | 49 | 0 | 0 | 0 | 0 | 52 | 0.49 |
| | Bluegill | 699 | 111 | 1 | 0 | 0 | 0 | 811 | 7.68 |
| | Bowfin | 0 | 112 | 0 | 0 | 0 | 0 | 112 | 1.06 |
| | Carp, Common | 2 | 4 | 0 | 0 | 0 | 0 | 6 | 0.06 |
| | Catfish, Blue | 219 | 62 | 0 | 0 | 0 | 0 | 281 | 2.66 |
| | Catfish, Brown Bullhead | 7 | 0 | 0 | 0 | 0 | 0 | 7 | 0.07 |
| | Catfish, Channel | 36 | 43 | 0 | 0 | 0 | 0 | 79 | 0.75 |
| | Catfish, Flathead | 5 | 19 | 0 | 0 | 0 | 0 | 24 | 0.23 |
| | Catfish, Freshwater Family | 38 | 125 | 0 | 0 | 0 | 0 | 163 | 1.54 |
| | Catfish, White | 30 | 1 | 0 | 0 | 0 | 0 | 31 | 0.29 |
| | Crappie, Black | 386 | 67 | 2 | 89 | 0 | 0 | 544 | 5.15 |
| | Croaker, Atlantic | 92 | 117 | 0 | 0 | 0 | 0 | 209 | 1.98 |
| | Drum, Black | 0 | 10 | 0 | 2 | 0 | 0 | 12 | 0.11 |
| | Drum, Red | 13 | 65 | 6 | 558 | 0 | 2 | 644 | 6.10 |
| | Eel, American | 0 | 21 | 0 | 0 | 0 | 0 | 21 | 0.20 |
| | Flounder, Lefteye Family | 21 | 25 | 0 | 600 | 0 | 0 | 646 | 6.12 |
| | Flounder, Southern | 98 | 0 | 0 | 7 | 0 | 0 | 105 | 0.99 |
| | Flounder, Summer | 1 | 0 | 0 | 27 | 0 | 0 | 28 | 0.27 |
| | Gar, Longnose | 0 | 105 | 0 | 0 | 0 | 0 | 105 | 0.99 |
| | Kingfish Genus | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0.01 |
| | Mackerel, Spanish | 0 | 1 | 0 | 1 | 0 | 0 | 2 | 0.02 |
| | Menhaden, Atlantic | 0 | 3 | 0 | 0 | 0 | 0 | 3 | 0.03 |
| | Mullet Genus | 0 | 6 | 0 | 0 | 0 | 0 | 6 | 0.06 |
| | Mullet, Striped | 7 | 9 | 0 | 0 | 0 | 0 | 16 | 0.15 |
| | Perch, Silver | 3 | 2 | 0 | 0 | 0 | 0 | 5 | 0.05 |
| | Perch, White | 318 | 68 | 0 | 3 | 0 | 0 | 389 | 3.68 |
| | Perch, Yellow | 27 | 30 | 0 | 0 | 0 | 0 | 57 | 0.54 |
| | Pickrel, Chain | 1 | 81 | 0 | 0 | 0 | 0 | 82 | 0.78 |
| | Pigfish | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0.01 |
| | Pinfish | 8 | 69 | 0 | 0 | 0 | 0 | 77 | 0.73 |
| | Pumpkinseed | 113 | 17 | 0 | 0 | 0 | 0 | 130 | 1.23 |
| | Ray, Cownose | 0 | 17 | 0 | 0 | 0 | 0 | 17 | 0.16 |
| | Seatrout Genus | 1 | 2 | 0 | 5 | 0 | 0 | 8 | 0.08 |
| | Seatrout, Spotted | 300 | 158 | 24 | 844 | 0 | 0 | 1,326 | 12.55 |
| | Shad Genus | 0 | 68 | 20 | 1 | 0 | 0 | 89 | 0.84 |
| | Shad, American | 282 | 125 | 4 | 0 | 0 | 0 | 411 | 3.89 |
| | Shad, Gizzard | 27 | 17 | 0 | 0 | 0 | 0 | 44 | 0.42 |
| | Shad, Hickory | 351 | 255 | 6 | 0 | 0 | 0 | 612 | 5.79 |
| | Shad, Threadfin | 25 | 1 | 0 | 0 | 0 | 0 | 26 | 0.25 |

Table IV.4 **Reported and observed catches (in numbers) by species and disposition (continued).**

| Year | Common Name | Harvest | Discards | | | | | Number of Fish | Percent Total |
|------|--------------------|--------------|--------------|------------|--------------|------------|------------|----------------|---------------|
| | | | Legal Sized | Over Creel | Sub-Legal | Slot-Limit | Over Sized | | |
| 2014 | Sheepshead | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0.01 |
| | Shiner, Golden | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0.01 |
| | Skate, Clearnose | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 0.02 |
| | Spot | 68 | 57 | 0 | 0 | 0 | 0 | 125 | 1.18 |
| | Stingray Family | 0 | 9 | 0 | 0 | 0 | 0 | 9 | 0.09 |
| | Sucker, White | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0.01 |
| | Sunfish Genus | 153 | 417 | 14 | 8 | 0 | 0 | 592 | 5.60 |
| | Sunfish, Green | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0.01 |
| | Sunfish, Redbreast | 6 | 6 | 0 | 0 | 0 | 0 | 12 | 0.11 |
| | Sunfish, Redear | 47 | 12 | 0 | 0 | 0 | 0 | 59 | 0.56 |
| | Unidentified Fish | 0 | 3 | 0 | 0 | 0 | 0 | 3 | 0.03 |
| | Warmouth | 4 | 5 | 0 | 0 | 0 | 0 | 9 | 0.09 |
| | Weakfish | 0 | 0 | 0 | 3 | 0 | 0 | 3 | 0.03 |
| | Total | 3,606 | 3,154 | 100 | 3,534 | 156 | 12 | 10,562 | 100.00 |

Table IV.5 Percent of reported target species trips by year.

| Target Species | 2023 | 2022 | 2021 | 2020 | 2019 | 2018 | 2017 | 2016 | 2015 | 2014 | Percent of All Years |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------------|
| Bass, Largemouth | 12.72 | 14.74 | 19.52 | 12.24 | 18.05 | 18.75 | 16.56 | 14.24 | 13.79 | 11.40 | 15.55 |
| Bass, Striped | 1.80 | 2.77 | 3.49 | 2.31 | 7.39 | 19.13 | 21.65 | 25.39 | 18.25 | 20.10 | 11.37 |
| Bass, White | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.05 | 0 | 0 | <0.01 |
| Bluefish | 0.36 | 0.08 | 0 | 0.05 | 0 | 0.09 | 0 | 0 | 0 | <0.01 | 0.06 |
| Bluegill | 0.21 | 0 | 0.12 | 0 | 0 | 0.60 | 0.76 | 0.63 | 0.97 | 0.70 | 0.40 |
| Bowfin | 0 | 0 | 0.08 | 0 | 0 | 0.09 | 0 | 0 | 0.19 | 0.10 | 0.04 |
| Carp, Common | 0 | 0 | 0 | 0 | 0.04 | 0.09 | 0 | 0 | 0 | 0 | 0.01 |
| Catfish, Blue | 0.10 | 0 | 0.41 | 0 | 0 | 0.19 | 0.09 | 0 | 0 | 0 | 0.09 |
| Catfish, Channel | 0 | 0 | 0.04 | 0 | 0 | 0 | 0.09 | 0 | 0 | 0 | 0.02 |
| Catfish, Flathead | 0.10 | <0.01 | 0.08 | 0 | 0 | 0 | 0.09 | 0 | 0 | 0 | 0.03 |
| Catfish, Freshwater Family | 5.46 | 5.62 | 5.18 | 1.87 | 6.66 | 8.61 | 4.11 | 6.23 | 11.94 | 7.60 | 5.99 |
| Crappie, Black | 1.70 | 1.33 | 2.71 | 1.47 | 3.50 | 3.12 | 2.77 | 2.41 | 2.82 | 3.10 | 2.48 |
| Croaker, Atlantic | 0 | 0 | 0.16 | 0 | 0 | 0 | 0 | 0.16 | 0 | 0.20 | 0.09 |
| Drum, Black | 0.57 | 0 | 0.04 | 0 | 0 | 0 | 0.13 | 0.79 | 0 | 0.10 | 0.30 |
| Drum, Red | 6.59 | 7.15 | 4.27 | 6.34 | 2.15 | 2.19 | 2.63 | 0.73 | 0.58 | 0.80 | 3.59 |
| Flounder, Lefteye Family | 1.70 | 1.77 | 2.42 | 2.41 | 2.69 | 5.26 | 3.39 | 4.08 | 2.33 | 5.30 | 3.09 |
| Flounder, Southern | 0 | 0 | 0.04 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <0.01 |
| Flounder, Summer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.97 | 0 | 0.06 |
| Gar, Longnose | 0.10 | <0.01 | 0 | 0 | 0 | 0 | 0.09 | 0.05 | 0.10 | 0 | 0.07 |
| Mackerel, Spanish | 0.67 | 0 | 0.25 | 0.54 | 0.15 | 0 | 0 | 0 | 0 | 0.10 | 0.25 |
| Mullet Genus | 0 | 0 | 0.04 | 0 | 0 | 0 | 0.13 | 0 | 0 | 0 | 0.02 |
| Mullet, Striped | 0 | <0.01 | 0 | 0 | 0 | 0 | 0 | 0 | 0.10 | 0 | 0.03 |
| Perch, White | 0.82 | 1.57 | 0.86 | 1.03 | 1.65 | 2.37 | 2.68 | 3.25 | 0.97 | 1.10 | 1.67 |
| Perch, Yellow | 0 | 0 | 0.12 | 0.05 | 0.15 | 0.14 | 0 | 0.05 | 0.19 | 0 | 0.07 |
| Pumpkinseed sunfish | 0 | 0 | 0 | 0 | <0.01 | 0 | 0 | 0 | 0 | 0 | <0.01 |
| Seatrout, Spotted | 50.72 | 41.06 | 35.76 | 50.66 | 32.24 | 8.28 | 22.01 | 15.08 | 6.99 | 18.70 | 29.72 |
| Shad Genus | 9.37 | 16.55 | 16.11 | 15.68 | 18.81 | 18.71 | 14.33 | 14.03 | 29.6 | 22.30 | 16.88 |
| Shad, American | 2.27 | 1.61 | 3.12 | 1.08 | 0.15 | 4.19 | 2.37 | 6.86 | 0.68 | 1.00 | 2.36 |
| Shad, Gizzard | 0 | 0 | 0.08 | 0 | 0 | 0 | 0 | 0.26 | 0.19 | 0.10 | 0.05 |
| Shad, Hickory | 0.21 | 0.24 | 0.29 | 0.25 | 0 | 1.77 | 1.07 | 0.42 | 0.58 | 0.40 | 0.55 |
| Shad, Threadfin | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.10 | 0 | <0.01 |
| Spot | 0.05 | 0.08 | 0.04 | 0.05 | 0.04 | 0 | 0.18 | 0.05 | 0.10 | 0.20 | 0.07 |
| Sunfish Genus | 4.33 | 3.98 | 4.40 | 3.10 | 5.04 | 5.44 | 4.42 | 4.97 | 8.35 | 6.50 | 4.83 |
| Sunfish, Green | 0 | 0 | 0.04 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <0.01 |
| Sunfish, Redbreast | 0 | 0 | 0 | 0 | 0 | 0 | 0.09 | 0.05 | 0 | 0 | 0.02 |
| Sunfish, Redear | 0 | 0 | 0.21 | 0.05 | 0.08 | 0 | 0 | 0.05 | 0.10 | 0 | 0.05 |
| Tarpon | 0.05 | 0 | 0.08 | 0 | 0 | 0 | 0 | 0.16 | 0 | 0.20 | 0.09 |
| Total Number of Trips | 1,942 | 2,489 | 2,433 | 2,035 | 2,599 | 2,149 | 2,240 | 1,910 | 1,030 | 1,639 | 100.00 |

Table IV.6 Estimated Striped Bass effort and catch in the CSMA.

| Year | Area | Month | Total Fishing Trips | Target Striped Bass Trips | Target Striped Bass Hours | Harvest | | Discards (numbers) | | | | Total Catch # Fish |
|------|------|-------|---------------------|---------------------------|---------------------------|--------------|---------------|--------------------|-------------|---------------|---------------|--------------------|
| | | | | | | Number | Pounds | Legal Sized | Under Sized | Over Creel | Slot | |
| 2023 | CSMA | Jan | 6,695 | 123 | 722 | 0 | 0 | 843 | 1,497 | 0 | 72 | 2,411 |
| | | Feb | 9,487 | 433 | 832 | 0 | 0 | 781 | 94 | 0 | 125 | 1,001 |
| | | Mar | 11,346 | 473 | 2,374 | 0 | 0 | 474 | 653 | 0 | 224 | 1,352 |
| | | Apr | 8,496 | 191 | 957 | 0 | 0 | 333 | 353 | 0 | 79 | 764 |
| | | May | 6,380 | 136 | 514 | 0 | 0 | 754 | 162 | 0 | 0 | 916 |
| | | Jun | 6,470 | 1,379 | 3,765 | 0 | 0 | 1,154 | 1,602 | 0 | 34 | 2,790 |
| | | Jul | 5,483 | 259 | 1,614 | 0 | 0 | 934 | 44 | 0 | 51 | 1,030 |
| | | Aug | 3,805 | 62 | 124 | 0 | 0 | 534 | 127 | 0 | 164 | 825 |
| | | Sep | 4,703 | 16 | 28 | 0 | 0 | 28 | 32 | 0 | 16 | 76 |
| | | Oct | 7,021 | 0 | 0 | 0 | 0 | 396 | 339 | 0 | 994 | 1,730 |
| | | Nov | 6,398 | 13 | 40 | 0 | 0 | 19 | 226 | 0 | 0 | 245 |
| | | Dec | 6,739 | 33 | 305 | 0 | 0 | 188 | 138 | 0 | 70 | 396 |
| | | | | Total | 83,021 | 3,118 | 11,276 | 0 | 0 | 6,439 | 5,268 | 0 |
| | | PSE | 6.78 | 41.20 | 27.70 | - | - | 23.69 | 42.01 | - | 52.82 | 26.68 |
| 2022 | CSMA | Jan | 6,527 | 92 | 525 | 0 | 0 | 1,016 | 487 | 0 | 0 | 1,503 |
| | | Feb | 12,547 | 941 | 3,910 | 0 | 0 | 1,600 | 2,345 | 0 | 335 | 4,281 |
| | | Mar | 12,362 | 293 | 968 | 0 | 0 | 397 | 803 | 0 | 97 | 1,296 |
| | | Apr | 20,605 | 2,169 | 6,012 | 0 | 0 | 5,441 | 801 | 0 | 392 | 6,635 |
| | | May | 16,276 | 1,083 | 3,509 | 0 | 0 | 1,064 | 1,086 | 0 | 1,829 | 3,979 |
| | | Jun | 4,436 | 248 | 834 | 0 | 0 | 635 | 410 | 0 | 1,011 | 2,056 |
| | | Jul | 5,345 | 34 | 201 | 0 | 0 | 384 | 764 | 0 | 9 | 1,157 |
| | | Aug | 4,550 | 28 | 89 | 0 | 0 | 1,101 | 434 | 0 | 425 | 1,960 |
| | | Sep | 6,216 | 113 | 824 | 0 | 0 | 641 | 263 | 0 | 33 | 936 |
| | | Oct | 7,076 | 10 | 143 | 0 | 0 | 176 | 169 | 0 | 59 | 404 |
| | | Nov | 11,319 | 115 | 391 | 0 | 0 | 945 | 2,001 | 0 | 122 | 3,068 |
| | | Dec | 7,828 | 73 | 479 | 0 | 0 | 1,284 | 1,077 | 0 | 390 | 2,751 |
| | | | | Total | 115,087 | 5,200 | 17,885 | 0 | 0 | 14,685 | 10,639 | 0 |
| | | PSE | 7.27 | 27.24 | 26.40 | - | - | 24.33 | 24.56 | - | 39.97 | 19.93 |
| 2021 | CSMA | Jan | 4,144 | 365 | 1,370 | 0 | 0 | 959 | 460 | 0 | 0 | 1,419 |
| | | Feb | 5,424 | 269 | 1,076 | 0 | 0 | 1,113 | 391 | 0 | 441 | 1,944 |
| | | Mar | 22,471 | 1,086 | 4,508 | 0 | 0 | 417 | 218 | 0 | 240 | 875 |
| | | Apr | 13,785 | 1,462 | 4,873 | 0 | 0 | 5,074 | 671 | 0 | 263 | 6,008 |
| | | May | 14,740 | 421 | 1,259 | 0 | 0 | 610 | 3,596 | 0 | 14 | 4,220 |
| | | Jun | 4,525 | 0 | 0 | 0 | 0 | 24 | 106 | 0 | 0 | 130 |
| | | Jul | 7,586 | 619 | 2,192 | 0 | 0 | 1,096 | 1,286 | 0 | 167 | 2,548 |
| | | Aug | 4,320 | 241 | 1,360 | 0 | 0 | 475 | 544 | 0 | 0 | 1,019 |
| | | Sep | 7,861 | 37 | 83 | 0 | 0 | 346 | 336 | 0 | 240 | 921 |
| | | Oct | 6,333 | 43 | 200 | 0 | 0 | 245 | 812 | 0 | 163 | 1,219 |
| | | Nov | 8,373 | 101 | 646 | 0 | 0 | 544 | 395 | 0 | 181 | 1,120 |
| | | Dec | 6,270 | 128 | 674 | 0 | 0 | 1,420 | 310 | 0 | 61 | 1,791 |
| | | | | Total | 105,833 | 4,772 | 18,241 | 0 | 0 | 12,322 | 9,124 | 0 |
| | | PSE | 6.1 | 17.57 | 18.00 | - | - | 26.23 | 39.89 | - | 28.78 | |

Table IV.6 Estimated Striped Bass effort and catch in the CSMA (continued).

| Year | Area | Month | Total Fishing Trips | Target Striped Bass Trips | Target Striped Bass Hours | Harvest | | Discards (numbers) | | | | Total Catch # Fish | |
|-------------------|------|-------|---------------------|---------------------------|---------------------------|---------|--------|--------------------|-------------|------------|-------|--------------------|--------|
| | | | | | | Number | Pounds | Legal Sized | Under Sized | Over Creel | Slot | | |
| 2020 ¹ | CSMA | Jan | 7,470 | 237 | 1,154 | 0 | 0 | 826 | 762 | 0 | 769 | 2,357 | |
| | | Feb | 10,417 | 285 | 1,016 | 0 | 0 | 755 | 572 | 0 | 100 | 1,427 | |
| | | Mar | 24,425 | 969 | 5,453 | 0 | 0 | 1,086 | 4,247 | 0 | 226 | 5,560 | |
| | | Apr | 0 | - | - | - | - | - | - | - | - | - | - |
| | | May | 0 | - | - | - | - | - | - | - | - | - | - |
| | | Jun | 6,528 | 260 | 1,284 | 0 | 0 | 784 | 616 | 0 | 54 | 1,454 | |
| | | Jul | 9,297 | 578 | 2,521 | 0 | 0 | 989 | 1,432 | 0 | 98 | 2,520 | |
| | | Aug | 5,465 | 75 | 295 | 0 | 0 | 1,248 | 641 | 0 | 0 | 1,889 | |
| | | Sep | 8,543 | 158 | 588 | 0 | 0 | 575 | 604 | 0 | 7 | 1,186 | |
| | | Oct | 10,062 | 40 | 104 | 0 | 0 | 401 | 468 | 0 | 19 | 887 | |
| | | Nov | 7,986 | 78 | 129 | 0 | 0 | 529 | 687 | 0 | 0 | 1,215 | |
| | | Dec | 4,347 | 166 | 728 | 0 | 0 | 383 | 410 | 0 | 131 | 925 | |
| | | | Total | 94,541 | 2,846 | 13,272 | 0 | 0 | 7,575 | 10,440 | 0 | 1,406 | 19,420 |
| | PSE | 7.79 | 23.50 | 28.06 | - | - | 16.82 | 28.67 | - | 39.36 | | | |
| 2019 | CSMA | Jan | 4,702 | 1,856 | 6,453 | 500 | 1,777 | 325 | 3,563 | 651 | 206 | 5,244 | |
| | | Feb | 10,765 | 2,779 | 12,279 | 286 | 1,122 | 221 | 2,288 | 0 | 152 | 2,947 | |
| | | Mar | 14,704 | 1,595 | 9,530 | 152 | 524 | 1,177 | 2,407 | 274 | 1,548 | 5,559 | |
| | | Apr | 11,047 | 285 | 1,038 | 0 | 0 | 118 | 930 | 0 | 15 | 1,063 | |
| | | May | 9,126 | 227 | 1,236 | 0 | 0 | 302 | 2,471 | 0 | 183 | 2,956 | |
| | | Jun | 6,133 | 1,248 | 5,953 | 0 | 0 | 1,000 | 1,583 | 0 | 0 | 2,583 | |
| | | Jul | 8,460 | 209 | 785 | 0 | 0 | 212 | 1,241 | 0 | 0 | 1,453 | |
| | | Aug | 6,818 | 91 | 347 | 0 | 0 | 218 | 1,517 | 0 | 15 | 1,749 | |
| | | Sep | 9,076 | 89 | 311 | 0 | 0 | 109 | 2,930 | 0 | 57 | 3,096 | |
| | | Oct | 9,900 | 0 | 0 | 0 | 0 | 332 | 865 | 0 | 0 | 1,197 | |
| | | Nov | 5,298 | 131 | 1,159 | 0 | 0 | 2,591 | 3,636 | 0 | 0 | 6,226 | |
| | | Dec | 12,874 | 311 | 1,488 | 21 | 139 | 1,211 | 1,427 | 0 | 306 | 2,965 | |
| | | | Total | 108,902 | 8,820 | 40,580 | 959 | 3,562 | 7,817 | 24,857 | 924 | 2,481 | 37,039 |
| | PSE | 5.13 | 14.85 | 16.82 | 38.86 | 36.95 | 23.51 | 14.65 | 73.67 | 48.46 | | | |
| 2018 | CSMA | Jan | 2,495 | 1,500 | 6,166 | 334 | 1,047 | 262 | 3,751 | 0 | 99 | 4,447 | |
| | | Feb | 17,733 | 4,617 | 21,561 | 1,116 | 3,560 | 490 | 3,549 | 0 | 270 | 5,425 | |
| | | Mar | 14,874 | 2,709 | 11,974 | 717 | 2,156 | 710 | 7,244 | 491 | 348 | 9,511 | |
| | | Apr | 14,300 | 1,729 | 7,266 | 835 | 2,814 | 210 | 2,224 | 168 | 134 | 3,571 | |
| | | May | 13,662 | 1,403 | 5,901 | 16 | 48 | 5,140 | 3,787 | 0 | 37 | 8,980 | |
| | | Jun | 7,019 | 620 | 1,914 | 0 | 0 | 1,253 | 2,166 | 0 | 524 | 3,943 | |
| | | Jul | 7,582 | 871 | 4,356 | 11 | 34 | 1,829 | 1,997 | 0 | 464 | 4,300 | |
| | | Aug | 4,816 | 684 | 2,147 | 0 | 0 | 1,306 | 1,616 | 0 | 0 | 2,922 | |
| | | Sep | 3,944 | 70 | 271 | 0 | 0 | 167 | 488 | 0 | 0 | 655 | |
| | | Oct | 3,980 | 566 | 2,553 | 15 | 54 | 52 | 1,340 | 0 | 0 | 1,407 | |
| | | Nov | 3,880 | 543 | 2,030 | 119 | 461 | 182 | 2,302 | 0 | 0 | 2,604 | |
| | | Dec | 3,102 | 1,081 | 3,778 | 206 | 709 | 630 | 3,664 | 212 | 15 | 4,727 | |
| | | | Total | 97,386 | 16,394 | 69,917 | 3,371 | 10,884 | 12,232 | 34,128 | 871 | 1,890 | 52,492 |
| | PSE | 5.49 | 10.48 | 11.57 | 15.67 | 15.22 | 29.15 | 14.30 | 44.32 | 38.38 | | | |

¹Creel sampling was suspended from March 18, 2020 through May 31, 2020, due to the State of North Carolina COVID-19 Safety Protocols.

Table IV.6 Estimated Striped Bass effort and catch in the CSMA (continued).

| Year | Area | Month | Total Fishing Trips | Target Striped Bass Trips | Target Striped Bass Hours | Harvest | | Discards (numbers) | | | | Total Catch # Fish |
|------|------|-------|---------------------|---------------------------|---------------------------|---------------|----------------|--------------------|---------------|---------------|----------------|--------------------|
| | | | | | | Number | Pounds | Legal Sized | Under Sized | Over Creel | Slot | |
| 2017 | CSMA | Jan | 3,236 | 2,055 | 7,876 | 158 | 593 | 88 | 14,351 | 0 | 73 | 14,670 |
| | | Feb | 18,301 | 6,542 | 32,602 | 1,717 | 6,808 | 611 | 23,151 | 0 | 410 | 25,889 |
| | | Mar | 22,784 | 5,208 | 22,649 | 1,290 | 4,765 | 856 | 11,610 | 0 | 986 | 14,742 |
| | | Apr | 19,341 | 4,672 | 19,251 | 1,085 | 4,022 | 780 | 11,257 | 0 | 123 | 13,244 |
| | | May | 4,894 | 210 | 748 | 0 | 0 | 82 | 1,765 | 0 | 0 | 1,847 |
| | | Jun | 8,946 | 984 | 6,845 | 0 | 0 | 2,098 | 6,965 | 0 | 11 | 9,074 |
| | | Jul | 8,582 | 629 | 2,932 | 0 | 0 | 6,197 | 4,525 | 0 | 348 | 11,070 |
| | | Aug | 7,897 | 320 | 2,432 | 0 | 0 | 2,736 | 2,802 | 0 | 14 | 5,552 |
| | | Sep | 9,630 | 124 | 649 | 13 | 48 | 10,238 | 12,062 | 0 | 107 | 22,420 |
| | | Oct | 8,447 | 1,550 | 6,705 | 728 | 2,486 | 688 | 4,287 | 31 | 149 | 5,883 |
| | | Nov | 8,600 | 2,241 | 9,662 | 1,135 | 4,074 | 792 | 5,623 | 450 | 0 | 8,000 |
| | | Dec | 5,647 | 1,589 | 7,331 | 1,209 | 4,178 | 1,337 | 3,388 | 68 | 71 | 6,073 |
| | | | | Total | 126,305 | 26,125 | 119,680 | 7,334 | 26,973 | 26,501 | 101,787 | 549 |
| | | PSE | 8.90 | 8.44 | 10.27 | 15.76 | 15.49 | 25.55 | 11.52 | 55.40 | 23.35 | |
| 2016 | CSMA | Jan | 4,978 | 3,329 | 17,342 | 1,344 | 5,214 | 575 | 10,532 | 0 | 537 | 12,988 |
| | | Feb | 5,749 | 1,108 | 4,569 | 262 | 943 | 61 | 2,082 | 0 | 93 | 2,498 |
| | | Mar | 24,075 | 4,588 | 24,538 | 635 | 2,186 | 405 | 6,458 | 0 | 1,230 | 8,727 |
| | | Apr | 20,965 | 7,426 | 34,657 | 3,193 | 12,042 | 464 | 5,389 | 203 | 3,523 | 12,772 |
| | | May | 18,055 | 1,196 | 3,558 | 0 | 0 | 3,058 | 4,011 | 0 | 0 | 7,069 |
| | | Jun | 6,759 | 287 | 850 | 0 | 0 | 659 | 1,083 | 0 | 0 | 1,742 |
| | | Jul | 6,439 | 113 | 479 | 5 | 17 | 385 | 1,586 | 0 | 0 | 1,976 |
| | | Aug | 5,648 | 580 | 1,725 | 0 | 0 | 1,661 | 897 | 0 | 179 | 2,737 |
| | | Sep | 7,278 | 125 | 126 | 0 | 0 | 670 | 4,067 | 0 | 0 | 4,737 |
| | | Oct | 4,718 | 1,660 | 7,823 | 139 | 495 | 438 | 4,652 | 0 | 36 | 5,264 |
| | | Nov | 4,465 | 666 | 2,996 | 153 | 540 | 140 | 3,932 | 0 | 22 | 4,246 |
| | | Dec | 6,159 | 2,597 | 11,790 | 966 | 3,824 | 2,076 | 13,199 | 0 | 1,159 | 17,400 |
| | | | | Total | 115,289 | 23,675 | 110,453 | 6,697 | 25,260 | 10,593 | 57,886 | 203 |
| | | PSE | 4.90 | 9.30 | 12.06 | 21.20 | 19.02 | 18.73 | 11.97 | 100.00 | 31.88 | |
| 2015 | CSMA | Jan | 5,169 | 2,917 | 11,748 | 709 | 2,613 | 883 | 3,113 | 0 | 54 | 4,155 |
| | | Feb | 2,753 | 1,245 | 5,666 | 493 | 1,854 | 178 | 1,405 | 0 | 22 | 1,983 |
| | | Mar | 15,489 | 1,422 | 7,253 | 585 | 2,062 | 1,961 | 564 | 0 | 115 | 1,532 |
| | | Apr | 18,492 | 3,322 | 11,024 | 507 | 1,830 | 852 | 1,385 | 0 | 303 | 2,316 |
| | | May | 19,476 | 514 | 1,455 | 56 | 211 | 391 | 36 | 0 | 107 | 743 |
| | | Jun | 7,835 | 426 | 1,918 | 0 | 0 | 565 | 456 | 0 | 0 | 1,021 |
| | | Jul | 7,397 | 335 | 1,583 | 0 | 0 | 2,012 | 388 | 0 | 19 | 3,877 |
| | | Aug | 8,558 | 611 | 2,286 | 0 | 0 | 54 | 205 | 0 | 0 | 358 |
| | | Sep | 5,359 | 414 | 1,718 | 0 | 0 | 513 | 1,442 | 0 | 0 | 2,630 |
| | | Oct | 6,946 | 1,927 | 10,391 | 277 | 977 | 66 | 3,263 | 0 | 133 | 4,269 |
| | | Nov | 6,207 | 1,964 | 9,682 | 526 | 1,904 | 577 | 3,930 | 0 | 13 | 4,576 |
| | | Dec | 6,297 | 3,062 | 14,673 | 781 | 2,819 | 1,620 | 6,260 | 40 | 47 | 7,824 |
| | | | | Total | 109,979 | 18,159 | 79,398 | 3,934 | 14,269 | 9,671 | 22,448 | 40 |
| | | PSE | 5.50 | 8.94 | 10.62 | 20.26 | 19.55 | 32.37 | 13.92 | 73.74 | 26.99 | |

Table IV.6 Estimated Striped Bass effort and catch in the CSMA (continued).

| Year | Area | Month | Total Fishing Trips | Target Striped Bass Trips | Target Striped Bass Hours | Harvest | | Discards (numbers) | | | | Total Catch # Fish |
|------|------|--------------|---------------------|---------------------------|---------------------------|---------------|---------------|--------------------|---------------|--------------|---------------|--------------------|
| | | | | | | Number | Pounds | Legal Sized | Under Sized | Over Creel | Slot | |
| 2014 | CSMA | Jan | 2,273 | 1,259 | 4,973 | 329 | 1,284 | 58 | 49 | 0 | 45 | 482 |
| | | Feb | 9,221 | 2,010 | 7,426 | 498 | 2,045 | 524 | 502 | 98 | 234 | 1,856 |
| | | Mar | 15,896 | 2,673 | 12,722 | 769 | 3,192 | 604 | 2,392 | 310 | 709 | 4,783 |
| | | Apr | 15,958 | 2,464 | 13,448 | 603 | 2,502 | 932 | 2,542 | 144 | 126 | 4,347 |
| | | May | 12,211 | 599 | 2,811 | 0 | 0 | 733 | 1,032 | 0 | 20 | 1,785 |
| | | Jun | 5,735 | 391 | 1,755 | 0 | 0 | 480 | 522 | 0 | 0 | 1,003 |
| | | Jul | 4,360 | 59 | 89 | 0 | 0 | 101 | 187 | 0 | 0 | 288 |
| | | Aug | 5,396 | 501 | 1,694 | 0 | 0 | 1,000 | 1,553 | 0 | 0 | 2,553 |
| | | Sep | 2,777 | 256 | 708 | 0 | 0 | 2,215 | 75 | 0 | 0 | 2,290 |
| | | Oct | 6,694 | 2,038 | 8,043 | 117 | 431 | 44 | 2,909 | 0 | 7 | 3,077 |
| | | Nov | 5,412 | 1,475 | 6,583 | 579 | 2,369 | 929 | 3,937 | 177 | 93 | 5,715 |
| | | Dec | 7,749 | 1,957 | 10,064 | 405 | 1,547 | 314 | 4,206 | 0 | 407 | 5,331 |
| | | Total | | | 93,684 | 15,682 | 70,316 | 3,301 | 13,368 | 7,934 | 19,905 | 728 |
| PSE | | | 5.60 | 10.08 | 13.09 | 20.38 | 21.53 | 22.73 | 20.10 | 48.97 | 40.28 | |

Table IV.7 Estimated effort, harvest, and discards for Striped Bass in the Neuse River by month.

| Year | Area | Month | Striped Bass Trips | Striped Bass Hours | Harvest | | Discards (numbers) | | | | Total Catch # Fish |
|-------|--------|-------|--------------------|--------------------|---------|--------|--------------------|-------------|------------|--------|--------------------|
| | | | | | Number | Pounds | Legal Sized | Under Sized | Over Creel | Slot | |
| 2023 | Upper | Jan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Mar | 59 | 473 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Apr | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | May | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Total | 59 | 473 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | PSE | 100.00 | 100.00 | - | - | - | - | - | - | - |
| | Middle | Jan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Mar | 15 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Apr | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | May | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Total | 15 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | PSE | 100.00 | 100.00 | - | - | - | - | - | - | - |
| | Lower | Jan | 117 | 701 | 0 | 0 | 832 | 1,492 | 0 | 0 | 2,325 |
| | | Feb | 36 | 109 | 0 | 0 | 0 | 14 | 0 | 42 | 56 |
| | | Mar | 127 | 985 | 0 | 0 | 290 | 600 | 0 | 224 | 1,114 |
| | | Apr | 178 | 894 | 0 | 0 | 301 | 329 | 0 | 79 | 709 |
| | | May | 53 | 237 | 0 | 0 | 216 | 162 | 0 | 0 | 379 |
| | | Jun | 1,363 | 3,666 | 0 | 0 | 1,116 | 1,602 | 0 | 34 | 2,752 |
| | | Jul | 259 | 1,614 | 0 | 0 | 934 | 44 | 0 | 51 | 1,030 |
| Aug | | 62 | 124 | 0 | 0 | 517 | 127 | 0 | 164 | 808 | |
| Sep | | 16 | 28 | 0 | 0 | 0 | 32 | 0 | 16 | 48 | |
| Oct | | 0 | 0 | 0 | 0 | 396 | 166 | 0 | 994 | 1,557 | |
| Nov | | 0 | 0 | 0 | 0 | 19 | 199 | 0 | 0 | 218 | |
| Dec | | 33 | 305 | 0 | 0 | 162 | 93 | 0 | 37 | 292 | |
| Total | | 2,244 | 8,663 | 0 | 0 | 4,784 | 4,862 | 0 | 1,641 | 11,288 | |
| PSE | 54.27 | 34.22 | - | - | 28.79 | 45.35 | - | 58.58 | | | |

Table IV.7 Estimated effort, harvest, and discards for Striped Bass in the Neuse River by month (continued).

| Year | Area | Month | Striped Bass Trips | Striped Bass Hours | Harvest | | Discards (numbers) | | | | Total Catch # Fish |
|-------|--------|--------|--------------------|--------------------|---------|--------|--------------------|-------------|------------|--------|--------------------|
| | | | | | Number | Pounds | Legal Sized | Under Sized | Over Creel | Slot | |
| 2022 | Upper | Jan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Mar | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Apr | 241 | 483 | 0 | 0 | 2,173 | 0 | 0 | 0 | 2,173 |
| | | May | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Total | 241 | 483 | 0 | 0 | 2,173 | 0 | 0 | 0 | 2,173 |
| | PSE | 100.00 | 100.00 | - | - | 100 | - | - | - | - | - |
| | Middle | Jan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 0 | 0 | 0 | 0 | 86 | 48 | 0 | 0 | 134 |
| | | Mar | 17 | 162 | 0 | 0 | 0 | 23 | 0 | 3 | 27 |
| | | Apr | 29 | 58 | 0 | 0 | 113 | 0 | 0 | 0 | 113 |
| | | May | 83 | 125 | 0 | 0 | 0 | 0 | 0 | 14 | 14 |
| | | Total | 129 | 345 | 0 | 0 | 199 | 71 | 0 | 17 | 287 |
| | PSE | 69.46 | 61.60 | - | - | 47.23 | 45.11 | - | 82.30 | - | - |
| | Lower | Jan | 0 | 0 | 0 | 0 | 144 | 214 | 0 | 0 | 357 |
| | | Feb | 292 | 1,550 | 0 | 0 | 164 | 1,789 | 0 | 6 | 1,959 |
| | | Mar | 58 | 256 | 0 | 0 | 102 | 337 | 0 | 6 | 445 |
| | | Apr | 76 | 209 | 0 | 0 | 371 | 553 | 0 | 187 | 1,111 |
| | | May | 974 | 3,288 | 0 | 0 | 974 | 1,027 | 0 | 1,816 | 3,817 |
| | | Jun | 248 | 834 | 0 | 0 | 448 | 380 | 0 | 802 | 1,630 |
| Jul | | 21 | 125 | 0 | 0 | 272 | 260 | 0 | 0 | 532 | |
| Aug | | 28 | 89 | 0 | 0 | 1,092 | 414 | 0 | 425 | 1,931 | |
| Sep | | 93 | 661 | 0 | 0 | 359 | 230 | 0 | 0 | 589 | |
| Oct | | 0 | 0 | 0 | 0 | 26 | 145 | 0 | 17 | 188 | |
| Nov | | 88 | 167 | 0 | 0 | 757 | 2,001 | 0 | 48 | 2,806 | |
| Dec | | 37 | 275 | 0 | 0 | 1,083 | 1,049 | 0 | 256 | 2,388 | |
| Total | | 1,917 | 7,454 | 0 | 0 | 5,790 | 8,398 | 0 | 3,563 | 17,752 | |
| PSE | | 52.46 | 46.65 | - | - | 26.96 | 29.92 | - | 51.32 | - | - |

Table IV.7 Estimated effort, harvest, and discards for Striped Bass in the Neuse River by month (continued).

| Year | Area | Month | Striped Bass Trips | Striped Bass Hours | Harvest | | Discards (numbers) | | | | Total Catch # Fish |
|------|--------|-------|--------------------|--------------------|---------|--------|--------------------|-------------|------------|--------|--------------------|
| | | | | | Number | Pounds | Legal Sized | Under Sized | Over Creel | Slot | |
| 2021 | Upper | Jan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Mar | 101 | 370 | 0 | 0 | 27 | 0 | 0 | 0 | 27 |
| | | Apr | 308 | 767 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | May | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Total | 408 | 1,137 | 0 | 0 | 27 | 0 | 0 | 0 | 27 |
| | | PSE | 50.74 | 51.70 | - | - | 100.00 | - | - | - | - |
| | Middle | Jan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Mar | 41 | 166 | 0 | 0 | 0 | 0 | 0 | 12 | 12 |
| | | Apr | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | May | 49 | 255 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Total | 91 | 421 | 0 | 0 | 0 | 0 | 0 | 12 | 12 |
| | | PSE | 66.82 | 68.75 | - | - | - | - | - | 100.00 | - |
| | Lower | Jan | 248 | 798 | 0 | 0 | 274 | 211 | 0 | 0 | 485 |
| | | Feb | 125 | 341 | 0 | 0 | 554 | 115 | 0 | 324 | 993 |
| | | Mar | 570 | 2,081 | 0 | 0 | 340 | 10 | 0 | 69 | 419 |
| | | Apr | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | May | 148 | 407 | 0 | 0 | 0 | 113 | 0 | 0 | 113 |
| | | Jun | 0 | 0 | 0 | 0 | 11 | 98 | 0 | 0 | 109 |
| | | Jul | 576 | 2,057 | 0 | 0 | 991 | 1,225 | 0 | 167 | 2,383 |
| | | Aug | 223 | 1,293 | 0 | 0 | 446 | 544 | 0 | 0 | 990 |
| | | Sep | 37 | 83 | 0 | 0 | 38 | 249 | 0 | 211 | 498 |
| | | Oct | 15 | 55 | 0 | 0 | 218 | 508 | 0 | 117 | 843 |
| | | Nov | 28 | 73 | 0 | 0 | 165 | 113 | 0 | 79 | 356 |
| | | Dec | 25 | 94 | 0 | 0 | 218 | 37 | 0 | 45 | 300 |
| | | Total | 1,995 | 7,281 | 0 | 0 | 3,255 | 3,223 | 0 | 1,012 | 7,490 |
| PSE | 37.06 | 38.08 | - | - | 29.26 | 31.74 | - | 39.63 | - | | |

Table IV.7 Estimated effort, harvest, and discards for Striped Bass in the Neuse River by month (continued).

| Year | Area | Month | Striped Bass Trips | Striped Bass Hours | Harvest | | Discards (numbers) | | | | Total Catch # Fish |
|-------------------|--------|-------|--------------------|--------------------|---------|--------|--------------------|-------------|------------|------|--------------------|
| | | | | | Number | Pounds | Legal Sized | Under Sized | Over Creel | Slot | |
| 2020 ¹ | Upper | Jan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Mar | 12 | 52 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Apr | - | - | - | - | - | - | - | - | - |
| | | May | - | - | - | - | - | - | - | - | - |
| | | Total | 12 | 52 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | PSE | 100.00 | 100.00 | - | - | - | - | - | - | - |
| | Middle | Jan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 0 | 0 | 0 | 0 | 76 | 0 | 0 | 0 | 76 |
| | | Mar | 248 | 913 | 0 | 0 | 26 | 120 | 0 | 0 | 146 |
| | | Apr | - | - | - | - | - | - | - | - | - |
| | | May | - | - | - | - | - | - | - | - | - |
| | | Total | 248 | 913 | 0 | 0 | 103 | 120 | 0 | 0 | 222 |
| | | PSE | 76.60 | 63.72 | - | - | 61.12 | 45.67 | - | - | - |
| | Lower | Jan | 57 | 287 | 0 | 0 | 57 | 92 | 0 | 488 | 638 |
| | | Feb | 32 | 57 | 0 | 0 | 151 | 343 | 0 | 63 | 557 |
| | | Mar | 0 | 0 | 0 | 0 | 172 | 595 | 0 | 116 | 883 |
| | | Apr | - | - | - | - | - | - | - | - | - |
| | | May | - | - | - | - | - | - | - | - | - |
| | | Jun | 93 | 544 | 0 | 0 | 234 | 453 | 0 | 54 | 741 |
| | | Jul | 439 | 1,966 | 0 | 0 | 531 | 1,029 | 0 | 98 | 1,658 |
| | | Aug | 0 | 0 | 0 | 0 | 235 | 147 | 0 | 0 | 382 |
| | | Sep | 0 | 0 | 0 | 0 | 149 | 191 | 0 | 7 | 348 |
| | | Oct | 0 | 0 | 0 | 0 | 0 | 320 | 0 | 11 | 330 |
| | | Nov | 0 | 0 | 0 | 0 | 11 | 35 | 0 | 0 | 46 |
| | | Dec | 69 | 389 | 0 | 0 | 46 | 188 | 0 | 13 | 248 |
| | | Total | 691 | 3,242 | 0 | 0 | 1,587 | 3,393 | 0 | 852 | 5,831 |
| | PSE | 32.42 | 37.08 | - | - | 28.63 | 32.31 | - | 30.47 | - | |

¹Creel sampling was suspended from March 18, 2020 through June 1, 2020, due to the State of North Carolina COVID-19 Safety Protocols.

Table IV.7 Estimated effort, harvest, and discards for Striped Bass in the Neuse River by month (continued).

| Year | Area | Month | Striped Bass Trips | Striped Bass Hours | Harvest | | Discards (numbers) | | | | Total Catch # Fish |
|-------|--------|-------|--------------------|--------------------|---------|--------|--------------------|-------------|------------|--------|--------------------|
| | | | | | Number | Pounds | Legal Sized | Under Sized | Over Creel | Slot | |
| 2019 | Upper | Jan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Mar | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Apr | 41 | 94 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | May | 85 | 739 | 0 | 0 | 0 | 118 | 0 | 0 | 118 |
| | | Total | 126 | 833 | 0 | 0 | 0 | 118 | 0 | 0 | 118 |
| | | PSE | 62.34 | 88.21 | - | - | - | 58.08 | - | - | - |
| | Middle | Jan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 667 | 1,416 | 0 | 0 | 0 | 21 | 0 | 0 | 21 |
| | | Mar | 39 | 100 | 0 | 0 | 4 | 31 | 0 | 0 | 35 |
| | | Apr | 11 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | May | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Total | 716 | 1,533 | 0 | 0 | 4 | 52 | 0 | 0 | 56 |
| | | PSE | 51.06 | 44.46 | - | - | 100.00 | 51.07 | - | - | - |
| | Lower | Jan | 635 | 2,637 | 481 | 1,662 | 6 | 682 | 651 | 206 | 2,026 |
| | | Feb | 801 | 4,017 | 215 | 739 | 59 | 4 | 0 | 152 | 430 |
| | | Mar | 745 | 5,884 | 152 | 524 | 929 | 269 | 274 | 1,548 | 3,172 |
| | | Apr | 28 | 166 | 0 | 0 | 64 | 26 | 0 | 15 | 105 |
| | | May | 0 | 0 | 0 | 0 | 166 | 0 | 0 | 183 | 349 |
| | | Jun | 457 | 2,471 | 0 | 0 | 1,000 | 420 | 0 | 0 | 1,420 |
| | | Jul | 81 | 272 | 0 | 0 | 143 | 367 | 0 | 0 | 510 |
| Aug | | 54 | 134 | 0 | 0 | 165 | 243 | 0 | 15 | 423 | |
| Sep | | 89 | 311 | 0 | 0 | 109 | 906 | 0 | 57 | 1,072 | |
| Oct | | 0 | 0 | 0 | 0 | 226 | 238 | 0 | 0 | 464 | |
| Nov | | 0 | 0 | 0 | 0 | 522 | 2,167 | 0 | 0 | 2,689 | |
| Dec | | 66 | 412 | 0 | 0 | 793 | 408 | 0 | 132 | 1,333 | |
| Total | | 2,955 | 16,305 | 849 | 2,925 | 4,182 | 5,731 | 924 | 2,307 | 13,994 | |
| PSE | 23.81 | 29.93 | 43.39 | 43.42 | 25.40 | 30.47 | 73.67 | 51.76 | - | | |

Table IV.7 Estimated effort, harvest, and discards for Striped Bass in the Neuse River by month (continued).

| Year | Area | Month | Striped Bass Trips | Striped Bass Hours | Harvest | | Discards (numbers) | | | | Total Catch # Fish |
|------|--------|-------|--------------------|--------------------|---------|--------|--------------------|-------------|------------|-------|--------------------|
| | | | | | Number | Pounds | Legal Sized | Under Sized | Over Creel | Slot | |
| 2018 | Upper | Jan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Mar | 216 | 1,298 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Apr | 76 | 218 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | May | 534 | 2,265 | 0 | 0 | 3,393 | 0 | 0 | 0 | 3,393 |
| | | Total | 827 | 3,781 | 0 | 0 | 3,393 | 0 | 0 | 0 | 3,393 |
| | | PSE | 57.65 | 56.90 | - | - | 95.00 | - | - | - | - |
| | Middle | Jan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 840 | 4,727 | 133 | 496 | 0 | 90 | 0 | 113 | 336 |
| | | Mar | 345 | 1,687 | 45 | 169 | 42 | 0 | 17 | 30 | 135 |
| | | Apr | 83 | 342 | 46 | 171 | 0 | 10 | 0 | 19 | 75 |
| | | May | 289 | 867 | 0 | 0 | 0 | 12 | 0 | 37 | 49 |
| | | Total | 1,557 | 7,624 | 224 | 837 | 42 | 112 | 17 | 199 | 594 |
| | | PSE | 33.04 | 34.30 | 41.70 | 41.70 | 87.66 | 81.96 | 100.00 | 63.27 | |
| | Lower | Jan | 735 | 2,803 | 162 | 494 | 252 | 217 | 0 | 70 | 702 |
| | | Feb | 543 | 2,182 | 151 | 460 | 75 | 767 | 0 | 137 | 1,131 |
| | | Mar | 627 | 3,012 | 177 | 538 | 350 | 756 | 0 | 69 | 1,352 |
| | | Apr | 216 | 948 | 245 | 744 | 81 | 241 | 0 | 33 | 600 |
| | | May | 71 | 439 | 0 | 0 | 147 | 373 | 0 | 0 | 520 |
| | | Jun | 92 | 282 | 0 | 0 | 655 | 310 | 0 | 0 | 965 |
| | | Jul | 451 | 2,132 | 0 | 0 | 1,350 | 301 | 0 | 464 | 2,115 |
| | | Aug | 475 | 1,766 | 0 | 0 | 811 | 174 | 0 | 0 | 984 |
| | | Sep | 0 | 0 | 0 | 0 | 133 | 148 | 0 | 0 | 281 |
| | | Oct | 76 | 247 | 6 | 17 | 0 | 0 | 0 | 0 | 6 |
| | | Nov | 60 | 167 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Dec | 346 | 843 | 0 | 0 | 6 | 60 | 0 | 15 | 80 |
| | | Total | 3,692 | 14,823 | 741 | 2,253 | 3,861 | 3,347 | 0 | 788 | 8,736 |
| PSE | 15.82 | 18.21 | 27.79 | 27.78 | 29.73 | 20.16 | - | 61.57 | | | |

Table IV.7 Estimated effort, harvest, and discards for Striped Bass in the Neuse River by month (continued).

| Year | Area | Month | Striped Bass Trips | Striped Bass Hours | Harvest | | Discards (numbers) | | | | Total Catch # Fish |
|------|--------|-------|--------------------|--------------------|---------|--------|--------------------|-------------|------------|-------|--------------------|
| | | | | | Number | Pounds | Legal Sized | Under Sized | Over Creel | Slot | |
| 2017 | Upper | Jan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Mar | 457 | 944 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Apr | 571 | 1,404 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | May | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Total | 1,028 | 2,349 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | PSE | 43.31 | 42.27 | - | - | - | - | - | - | - |
| | Middle | Jan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 736 | 2,945 | 62 | 260 | 16 | 301 | 0 | 29 | 407 |
| | | Mar | 902 | 5,026 | 46 | 195 | 0 | 163 | 0 | 86 | 296 |
| | | Apr | 499 | 2,001 | 72 | 305 | 15 | 19 | 0 | 15 | 122 |
| | | May | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Total | 2,137 | 9,972 | 180 | 761 | 31 | 483 | 0 | 131 | 825 |
| | | PSE | 23.08 | 29.98 | 42.62 | 27.61 | 70.74 | 32.71 | - | 57.35 | |
| | Lower | Jan | 550 | 1,386 | 111 | 430 | 56 | 366 | 0 | 73 | 605 |
| | | Feb | 1,852 | 11,372 | 696 | 3,025 | 411 | 6,110 | 0 | 276 | 7,494 |
| | | Mar | 1,022 | 5,950 | 402 | 1,565 | 576 | 1,663 | 0 | 537 | 3,178 |
| | | Apr | 585 | 2,155 | 306 | 1,191 | 285 | 1,804 | 0 | 16 | 2,410 |
| | | May | 70 | 189 | 0 | 0 | 0 | 48 | 0 | 0 | 48 |
| | | Jun | 760 | 5,478 | 0 | 0 | 1,384 | 4,012 | 0 | 11 | 5,408 |
| | | Jul | 629 | 2,932 | 0 | 0 | 5,439 | 2,912 | 0 | 288 | 8,639 |
| | | Aug | 306 | 2,397 | 0 | 0 | 2,723 | 920 | 0 | 0 | 3,643 |
| | | Sep | 65 | 386 | 0 | 0 | 4,131 | 5,393 | 0 | 107 | 9,631 |
| | | Oct | 348 | 2,184 | 196 | 764 | 688 | 1,521 | 0 | 36 | 2,442 |
| | | Nov | 830 | 2,554 | 709 | 2,676 | 401 | 1,716 | 450 | 0 | 3,277 |
| | | Dec | 269 | 1,343 | 587 | 1,924 | 219 | 920 | 68 | 4 | 1,798 |
| | | Total | 7,285 | 38,327 | 3,008 | 11,576 | 16,312 | 27,387 | 519 | 1,348 | 48,573 |
| PSE | 16.74 | 21.35 | 25.80 | 24.54 | 26.40 | 21.05 | 60.41 | 34.49 | | | |

Table IV.7 Estimated effort, harvest, and discards for Striped Bass in the Neuse River by month (continued).

| Year | Area | Month | Striped Bass Trips | Striped Bass Hours | Harvest | | Discards (numbers) | | | | Total Catch # Fish |
|------|--------|-------|--------------------|--------------------|---------|--------|--------------------|-------------|------------|--------|--------------------|
| | | | | | Number | Pounds | Legal Sized | Under Sized | Over Creel | Slot | |
| 2016 | Upper | Jan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Mar | 70 | 316 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Apr | 536 | 1,576 | 0 | 0 | 0 | 0 | 0 | 72 | 72 |
| | | May | 41 | 41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Total | 647 | 1,933 | 0 | 0 | 0 | 0 | 0 | 72 | 72 |
| | | PSE | 28.11 | 29.81 | - | - | - | - | - | 75 | |
| | Middle | Jan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 0 | 0 | 15 | 54 | 0 | 29 | 0 | 0 | 44 |
| | | Mar | 83 | 679 | 20 | 72 | 39 | 20 | 0 | 20 | 98 |
| | | Apr | 151 | 324 | 0 | 0 | 0 | 37 | 0 | 0 | 37 |
| | | May | 108 | 273 | 0 | 0 | 0 | 38 | 0 | 0 | 38 |
| | | Total | 341 | 1,276 | 34 | 126 | 39 | 123 | 0 | 20 | 216 |
| | | PSE | 38.08 | 51.56 | 73.54 | 73.54 | 100.00 | 52.28 | - | 100.00 | |
| | Lower | Jan | 533 | 1,680 | 357 | 1,331 | 166 | 1,123 | 0 | 342 | 1,988 |
| | | Feb | 456 | 1,755 | 21 | 78 | 61 | 1,062 | 0 | 42 | 1,186 |
| | | Mar | 2,191 | 13,462 | 222 | 828 | 135 | 2,418 | 0 | 829 | 3,604 |
| | | Apr | 806 | 3,203 | 783 | 2,923 | 35 | 1,695 | 0 | 439 | 2,952 |
| | | May | 110 | 579 | 0 | 0 | 147 | 402 | 0 | 0 | 549 |
| | | Jun | 142 | 482 | 0 | 0 | 533 | 121 | 0 | 0 | 654 |
| | | Jul | 65 | 309 | 0 | 0 | 326 | 0 | 0 | 0 | 326 |
| | | Aug | 444 | 1,093 | 0 | 0 | 1,483 | 413 | 0 | 179 | 2,076 |
| | | Sep | 100 | 101 | 0 | 0 | 88 | 1,103 | 0 | 0 | 1,191 |
| | | Oct | 530 | 1,776 | 27 | 99 | 398 | 1,361 | 0 | 0 | 1,786 |
| | | Nov | 65 | 126 | 19 | 69 | 0 | 450 | 0 | 0 | 468 |
| | | Dec | 677 | 2,648 | 44 | 165 | 187 | 515 | 0 | 265 | 1,011 |
| | | Total | 6,119 | 27,213 | 1,472 | 5,493 | 3,560 | 10,665 | 0 | 2,096 | 17,793 |
| | | PSE | 20.59 | 29.09 | 58.71 | 36.99 | 28.71 | 21.00 | - | 33.65 | |

Table IV.7 Estimated effort, harvest, and discards for Striped Bass in the Neuse River by month (continued).

| Year | Area | Month | Striped Bass Trips | Striped Bass Hours | Harvest | | Discards (numbers) | | | | Total Catch # Fish |
|------|--------|-------|--------------------|--------------------|---------|--------|--------------------|-------------|------------|-------|--------------------|
| | | | | | Number | Pounds | Legal Sized | Under Sized | Over Creel | Slot | |
| 2015 | Upper | Jan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Mar | 17 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Apr | 292 | 625 | 171 | 612 | 0 | 0 | 0 | 0 | 171 |
| | | May | 129 | 419 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Total | 439 | 1,061 | 171 | 612 | 0 | 0 | 0 | 0 | 171 |
| | | PSE | 45.81 | 39.72 | 75.46 | 75.46 | - | - | - | - | - |
| | Middle | Jan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Mar | 0 | 0 | 17 | 59 | 0 | 28 | 0 | 0 | 45 |
| | | Apr | 118 | 583 | 33 | 118 | 0 | 0 | 0 | 69 | 102 |
| | | May | 0 | 0 | 0 | 0 | 89 | 0 | 0 | 107 | 196 |
| | | Total | 118 | 583 | 49 | 178 | 89 | 28 | 0 | 176 | 342 |
| | | PSE | 65.58 | 73.29 | 33.40 | 33.40 | 100.00 | 100.00 | - | 50.17 | - |
| | Lower | Jan | 842 | 2,609 | 174 | 605 | 0 | 994 | 0 | 54 | 1,222 |
| | | Feb | 369 | 1,610 | 33 | 114 | 0 | 87 | 0 | 22 | 142 |
| | | Mar | 544 | 4,522 | 498 | 1,736 | 103 | 200 | 0 | 0 | 802 |
| | | Apr | 465 | 1,122 | 0 | 0 | 0 | 127 | 0 | 0 | 127 |
| | | May | 60 | 122 | 0 | 0 | 64 | 0 | 0 | 0 | 64 |
| | | Jun | 197 | 426 | 0 | 0 | 0 | 431 | 0 | 0 | 431 |
| | | Jul | 240 | 1,025 | 0 | 0 | 1,457 | 351 | 0 | 0 | 1,808 |
| | | Aug | 542 | 2,236 | 0 | 0 | 99 | 32 | 0 | 0 | 131 |
| | | Sep | 313 | 1,417 | 0 | 0 | 676 | 991 | 0 | 0 | 1,667 |
| | | Oct | 922 | 3,401 | 15 | 51 | 581 | 448 | 0 | 102 | 1,145 |
| | | Nov | 602 | 2,891 | 151 | 527 | 58 | 621 | 0 | 13 | 843 |
| | | Dec | 862 | 4,722 | 282 | 981 | 58 | 594 | 0 | 21 | 954 |
| | | Total | 5,959 | 26,103 | 1,153 | 4,015 | 3,096 | 4,876 | 0 | 211 | 9,336 |
| PSE | 13.48 | 18.59 | 49.51 | 46.21 | 53.23 | 22.19 | - | 50.58 | - | | |

Table IV.7 Estimated effort, harvest, and discards for Striped Bass in the Neuse River by month (continued).

| Year | Area | Month | Striped Bass Trips | Striped Bass Hours | Harvest | | Discards (numbers) | | | | Total Catch # Fish |
|-------|--------|-------|--------------------|--------------------|---------|--------|--------------------|-------------|------------|--------|--------------------|
| | | | | | Number | Pounds | Legal Sized | Under Sized | Over Creel | Slot | |
| 2014 | Upper | Jan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Mar | 28 | 28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Apr | 398 | 809 | 130 | 589 | 0 | 0 | 0 | 0 | 130 |
| | | May | 199 | 398 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Total | 624 | 1,235 | 130 | 589 | 0 | 0 | 0 | 0 | 130 |
| | | PSE | 43.13 | 41.76 | 100.00 | 100.00 | - | - | - | - | - |
| | Middle | Jan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Mar | 132 | 468 | 0 | 0 | 0 | 37 | 0 | 0 | 37 |
| | | Apr | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | May | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Total | 132 | 468 | 0 | 0 | 0 | 37 | 0 | 0 | 37 |
| | | PSE | 48.02 | 54.37 | - | - | - | 100.00 | - | - | - |
| | Lower | Jan | 583 | 2,605 | 64 | 292 | 38 | 33 | 0 | 38 | 173 |
| | | Feb | 978 | 3,181 | 44 | 203 | 0 | 208 | 0 | 24 | 277 |
| | | Mar | 1,345 | 6,802 | 492 | 2,242 | 534 | 1,907 | 0 | 679 | 3,612 |
| | | Apr | 1,114 | 9,098 | 179 | 816 | 115 | 385 | 0 | 82 | 762 |
| | | May | 224 | 1,595 | 0 | 0 | 439 | 840 | 0 | 0 | 1,278 |
| | | Jun | 340 | 1,471 | 0 | 0 | 299 | 430 | 0 | 0 | 729 |
| | | Jul | 59 | 89 | 0 | 0 | 69 | 34 | 0 | 0 | 103 |
| Aug | | 215 | 1,091 | 0 | 0 | 872 | 528 | 0 | 0 | 1,400 | |
| Sep | | 116 | 326 | 0 | 0 | 51 | 0 | 0 | 0 | 51 | |
| Oct | | 864 | 2,817 | 0 | 0 | 0 | 376 | 0 | 0 | 376 | |
| Nov | | 674 | 2,325 | 276 | 1,260 | 481 | 415 | 0 | 0 | 1,172 | |
| Dec | | 571 | 2,726 | 44 | 202 | 151 | 617 | 0 | 220 | 1,033 | |
| Total | | 7,083 | 34,127 | 1,100 | 5,014 | 3,050 | 5,773 | 0 | 1,044 | 10,966 | |
| PSE | | 16.84 | 23.18 | 46.59 | 46.59 | 37.54 | 29.22 | - | 60.71 | - | |

Table IV.8 Estimated effort, harvest, and discards for Striped Bass in the Tar/Pamlico River by month.

| Year | Area | Month | Striped Bass Trips | Striped Bass Hours | Harvest | | Discards (numbers) | | | | Total Catch # Fish |
|-------|-------|-------|--------------------|--------------------|---------|--------|--------------------|-------------|------------|--------|--------------------|
| | | | | | Number | Pounds | Legal Sized | Under Sized | Over Creel | Slot | |
| 2023 | Upper | Jan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Mar | 236 | 707 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Apr | 9 | 45 | 0 | 0 | 31 | 0 | 0 | 0 | 31 |
| | | May | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Total | 245 | 752 | 0 | 0 | 31 | 0 | 0 | 0 | 31 |
| | | PSE | 96.41 | 94.24 | - | - | 71.37 | - | - | - | - |
| | Lower | Jan | 6 | 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 65 | 455 | 0 | 0 | 621 | 29 | 0 | 0 | 650 |
| | | Mar | 23 | 117 | 0 | 0 | 143 | 38 | 0 | 0 | 181 |
| | | Apr | 4 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | May | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Jun | 15 | 99 | 0 | 0 | 38 | 0 | 0 | 0 | 38 |
| | | Jul | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Aug | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Sep | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Oct | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nov | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Dec | | 0 | 0 | 0 | 0 | 0 | 30 | 0 | 0 | 30 | |
| Total | | 113 | 712 | 0 | 0 | 802 | 97 | 0 | 0 | 899 | |
| PSE | 38.80 | 46.17 | - | - | 47.68 | 58.22 | - | - | - | | |
| 2022 | Upper | Jan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 62 | 488 | 0 | 0 | 15 | 382 | 0 | 0 | 397 |
| | | Mar | 193 | 499 | 0 | 0 | 132 | 64 | 0 | 0 | 195 |
| | | Apr | 1,041 | 2,486 | 0 | 0 | 351 | 102 | 0 | 187 | 640 |
| | | May | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Total | 1,296 | 3,473 | 0 | 0 | 498 | 547 | 0 | 187 | 1,232 |
| | | PSE | 34.81 | 34.09 | - | - | 42.80 | 66.14 | - | 100.00 | - |
| | Lower | Jan | 92 | 525 | 0 | 0 | 797 | 274 | 0 | 0 | 1,071 |
| | | Feb | 136 | 521 | 0 | 0 | 373 | 118 | 0 | 291 | 782 |
| | | Mar | 25 | 50 | 0 | 0 | 0 | 79 | 0 | 0 | 79 |
| | | Apr | 11 | 66 | 0 | 0 | 22 | 0 | 0 | 0 | 22 |
| | | May | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Jun | 0 | 0 | 0 | 0 | 0 | 30 | 0 | 0 | 30 |
| | | Jul | 0 | 0 | 0 | 0 | 74 | 504 | 0 | 0 | 578 |
| | | Aug | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Sep | 20 | 164 | 0 | 0 | 282 | 0 | 0 | 0 | 282 |
| | | Oct | 10 | 143 | 0 | 0 | 111 | 0 | 0 | 0 | 111 |
| Total | 294 | 1,468 | 0 | 0 | 1,920 | 1,031 | 0 | 291 | 3,242 | | |
| PSE | 46.11 | 46.34 | - | - | 38.18 | 51.33 | - | 100.00 | - | | |

Table IV.8 Estimated effort, harvest, and discards for Striped Bass in the Tar/Pamlico River by month (continued).

| Year | Area | Month | Striped Bass Trips | Striped Bass Hours | Harvest | | Discards (numbers) | | | | Total Catch # Fish |
|-------------------|-------|-------|--------------------|--------------------|---------|--------|--------------------|-------------|------------|-------|--------------------|
| | | | | | Number | Pounds | Legal Sized | Under Sized | Over Creel | Slot | |
| 2021 | Upper | Jan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 0 | 0 | 0 | 0 | 129 | 194 | 0 | 0 | 323 |
| | | Mar | 169 | 829 | 0 | 0 | 0 | 48 | 0 | 0 | 48 |
| | | Apr | 1,001 | 2,969 | 0 | 0 | 4,409 | 293 | 0 | 263 | 4,964 |
| | | May | 224 | 597 | 0 | 0 | 610 | 3,455 | 0 | 14 | 4,079 |
| | | Total | 1,394 | 4,395 | 0 | 0 | 5,147 | 3,990 | 0 | 277 | 9,414 |
| | | PSE | 20.48 | 28.31 | - | - | 57.19 | 87.06 | - | 94.95 | |
| | Lower | Jan | 117 | 572 | 0 | 0 | 652 | 180 | 0 | 0 | 832 |
| | | Feb | 122 | 684 | 0 | 0 | 418 | 61 | 0 | 0 | 479 |
| | | Mar | 115 | 778 | 0 | 0 | 32 | 93 | 0 | 0 | 125 |
| | | Apr | 56 | 576 | 0 | 0 | 596 | 0 | 0 | 0 | 596 |
| | | May | 0 | 0 | 0 | 0 | 0 | 27 | 0 | 0 | 27 |
| | | Jun | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Jul | 43 | 135 | 0 | 0 | 95 | 51 | 0 | 0 | 146 |
| | | Aug | 18 | 67 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Sep | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 6 |
| | | Oct | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Nov | 34 | 134 | 0 | 0 | 335 | 228 | 0 | 0 | 562 |
| | | Dec | 81 | 476 | 0 | 0 | 1,190 | 236 | 0 | 0 | 1,425 |
| Total | | 586 | 3,421 | 0 | 0 | 3,318 | 882 | 0 | 0 | 4,199 | |
| | PSE | 23.64 | 25.16 | - | - | 27.28 | 30.24 | - | - | | |
| 2020 ¹ | Upper | Jan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 16 | 64 | 0 | 0 | 62 | 62 | 0 | 0 | 123 |
| | | Mar | 543 | 3,374 | 0 | 0 | 31 | 2,714 | 0 | 0 | 2,744 |
| | | Apr | - | - | - | - | - | - | - | - | - |
| | | May | - | - | - | - | - | - | - | - | - |
| | | Total | 559 | 3,439 | 0 | 0 | 92 | 2,775 | 0 | 0 | 2,867 |
| | | PSE | 91.27 | 93.11 | - | - | 74.60 | 96.49 | - | - | |
| | Lower | Jan | 180 | 866 | 0 | 0 | 731 | 640 | 0 | 281 | 1,651 |
| | | Feb | 229 | 871 | 0 | 0 | 452 | 111 | 0 | 37 | 600 |
| | | Mar | 166 | 1,114 | 0 | 0 | 858 | 804 | 0 | 0 | 1,661 |
| | | Apr | - | - | - | - | - | - | - | - | - |
| | | May | - | - | - | - | - | - | - | - | - |
| | | Jun | 167 | 740 | 0 | 0 | 533 | 139 | 0 | 0 | 672 |
| | | Jul | 139 | 555 | 0 | 0 | 451 | 378 | 0 | 0 | 829 |
| | | Aug | 75 | 295 | 0 | 0 | 892 | 404 | 0 | 0 | 1,296 |
| | | Sep | 23 | 180 | 0 | 0 | 403 | 91 | 0 | 0 | 493 |
| | | Oct | 13 | 38 | 0 | 0 | 349 | 0 | 0 | 0 | 349 |
| | | Nov | 78 | 129 | 0 | 0 | 72 | 169 | 0 | 0 | 242 |
| | | Dec | 40 | 140 | 0 | 0 | 337 | 50 | 0 | 0 | 387 |
| Total | | 1,109 | 4,928 | 0 | 0 | 5,078 | 2,785 | 0 | 318 | 8,181 | |
| | PSE | 25.41 | 26.01 | - | - | 22.75 | 24.33 | - | 52.25 | | |

¹Creel sampling was suspended from March 18, 2020 through June 1, 2020, due to the State of North Carolina COVID-19 Safety Protocols.

Table IV.8 Estimated effort, harvest, and discards for Striped Bass in the Tar/Pamlico River by month (continued).

| Year | Area | Month | Striped Bass Trips | Striped Bass Hours | Harvest | | Discards (numbers) | | | | Total Catch # Fish |
|-------|-------|--------|--------------------|--------------------|---------|--------|--------------------|-------------|------------|-------|--------------------|
| | | | | | Number | Pounds | Legal Sized | Under Sized | Over Creel | Slot | |
| 2019 | Upper | Jan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 600 | 2,853 | 29 | 102 | 0 | 474 | 0 | 0 | 503 |
| | | Mar | 282 | 1,250 | 0 | 0 | 0 | 98 | 0 | 0 | 98 |
| | | Apr | 92 | 285 | 0 | 0 | 0 | 262 | 0 | 0 | 262 |
| | | May | 0 | 0 | 0 | 0 | 0 | 29 | 0 | 0 | 29 |
| | | Total | 974 | 4,389 | 29 | 102 | 0 | 863 | 0 | 0 | 892 |
| | PSE | 47.22 | 49.76 | 100.00 | 100.00 | - | 52.94 | - | - | - | |
| | Lower | Jan | 1,153 | 3,414 | 15 | 101 | 320 | 2,709 | 0 | 0 | 3,044 |
| | | Feb | 561 | 3,131 | 42 | 282 | 162 | 1,685 | 0 | 0 | 1,890 |
| | | Mar | 493 | 2,139 | 0 | 0 | 245 | 1,671 | 0 | 0 | 1,915 |
| | | Apr | 89 | 382 | 0 | 0 | 24 | 26 | 0 | 0 | 50 |
| | | May | 143 | 497 | 0 | 0 | 4 | 164 | 0 | 0 | 168 |
| | | Jun | 30 | 91 | 0 | 0 | 0 | 269 | 0 | 0 | 269 |
| | | Jul | 128 | 513 | 0 | 0 | 69 | 785 | 0 | 0 | 854 |
| | | Aug | 0 | 0 | 0 | 0 | 17 | 77 | 0 | 0 | 94 |
| | | Sep | 0 | 0 | 0 | 0 | 0 | 725 | 0 | 0 | 725 |
| | | Oct | 0 | 0 | 0 | 0 | 18 | 233 | 0 | 0 | 251 |
| Nov | | 84 | 340 | 0 | 0 | 1,282 | 409 | 0 | 0 | 1,692 | |
| Dec | 246 | 1,077 | 21 | 139 | 346 | 657 | 0 | 174 | 1,197 | | |
| Total | 2,927 | 11,583 | 78 | 521 | 2,486 | 9,411 | 0 | 174 | 12,149 | | |
| PSE | 17.51 | 17.19 | 63.30 | 63.30 | 51.05 | 20.24 | - | 79.93 | - | | |
| 2018 | Upper | Jan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 781 | 3,125 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Mar | 568 | 1,816 | 0 | 0 | 67 | 47 | 0 | 0 | 114 |
| | | Apr | 153 | 632 | 57 | 436 | - | 69 | 0 | 0 | 126 |
| | | May | 187 | 1,317 | 0 | 0 | 372 | 0 | 0 | 0 | 372 |
| | | Total | 1,688 | 6,890 | 57 | 436 | 439 | 116 | 0 | 0 | 612 |
| | PSE | 49.27 | 51.28 | 80.20 | 80.21 | 55.77 | 51.19 | - | - | - | |
| | Lower | Jan | 737 | 3,141 | 133 | 404 | 10 | 3,509 | 0 | 28 | 3,681 |
| | | Feb | 2,429 | 11,434 | 801 | 2,483 | 414 | 2,605 | 0 | 21 | 3,841 |
| | | Mar | 809 | 3,385 | 401 | 1,086 | 238 | 4,597 | 474 | 249 | 5,960 |
| | | Apr | 1,110 | 4,876 | 442 | 1,288 | 128 | 1,594 | 168 | 82 | 2,414 |
| | | May | 303 | 933 | 16 | 48 | 1,079 | 3,215 | 0 | 0 | 4,311 |
| | | Jun | 344 | 1,043 | 0 | 0 | 590 | 1,105 | 0 | 524 | 2,219 |
| | | Jul | 381 | 2,126 | 11 | 34 | 200 | 450 | 0 | 0 | 661 |
| | | Aug | 194 | 278 | 0 | 0 | 165 | 243 | 0 | 0 | 408 |
| | | Sep | 70 | 271 | 0 | 0 | 34 | 33 | 0 | 0 | 67 |
| | | Oct | 322 | 1,023 | 0 | 0 | 0 | 248 | 0 | 0 | 248 |
| Nov | | 291 | 814 | 0 | 0 | 104 | 1,478 | 0 | 0 | 1,582 | |
| Dec | 597 | 2,334 | 184 | 624 | 625 | 3,174 | 212 | 0 | 4,195 | | |
| Total | 7,586 | 31,658 | 1,989 | 5,967 | 3,589 | 22,250 | 854 | 904 | 29,586 | | |
| PSE | 15.28 | 17.97 | 23.20 | 23.20 | 25.89 | 20.11 | 45.16 | 58.15 | - | | |

Table IV.8 Estimated effort, harvest, and discards for Striped Bass in the Tar/Pamlico River by month (continued).

| Year | Area | Month | Striped Bass Trips | Striped Bass Hours | Harvest | | Discards (numbers) | | | | Total Catch # Fish |
|-------|-------|-------|--------------------|--------------------|---------|--------|--------------------|-------------|------------|--------|--------------------|
| | | | | | Number | Pounds | Legal Sized | Under Sized | Over Creel | Slot | |
| 2017 | Upper | Jan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 2,457 | 11,155 | 309 | 1,112 | 45 | 10,588 | 0 | 21 | 10,964 |
| | | Mar | 1,912 | 7,542 | 705 | 2,534 | 70 | 1,652 | 0 | 303 | 2,730 |
| | | Apr | 1,941 | 9,340 | 416 | 1,494 | 0 | 0 | 0 | 60 | 476 |
| | | May | 53 | 149 | 0 | 0 | 10 | 0 | 0 | 0 | 10 |
| | | Total | 6,363 | 28,187 | 1,430 | 5,141 | 126 | 12,240 | 0 | 385 | 14,181 |
| | | PSE | 19.80 | 22.63 | 51.15 | 51.15 | 53.68 | 48.31 | - | 80.49 | |
| | Lower | Jan | 1,379 | 5,653 | 26 | 94 | 0 | 12,593 | 0 | 0 | 12,619 |
| | | Feb | 1,402 | 6,736 | 650 | 2,410 | 124 | 5,229 | 0 | 84 | 6,087 |
| | | Mar | 806 | 2,541 | 78 | 282 | 210 | 5,107 | 0 | 60 | 5,455 |
| | | Apr | 974 | 3,942 | 237 | 857 | 467 | 5,493 | 0 | 24 | 6,221 |
| | | May | 87 | 409 | 0 | 0 | 72 | 794 | 0 | 0 | 866 |
| | | Jun | 224 | 1,367 | 0 | 0 | 702 | 1,454 | 0 | 0 | 2,156 |
| | | Jul | 0 | 0 | 0 | 0 | 758 | 401 | 0 | 60 | 1,219 |
| | | Aug | 15 | 35 | 0 | 0 | 13 | 747 | 0 | 14 | 775 |
| | | Sep | 59 | 263 | 13 | 48 | 5,931 | 3,415 | 0 | 0 | 9,359 |
| | | Oct | 1,085 | 3,862 | 485 | 1,572 | 0 | 1,704 | 0 | 113 | 2,302 |
| | | Nov | 1,314 | 6,476 | 244 | 813 | 385 | 1,437 | 0 | 0 | 2,065 |
| | | Dec | 929 | 4,373 | 333 | 1,349 | 736 | 719 | 20 | 63 | 1,849 |
| Total | | 8,273 | 35,656 | 2,065 | 7,425 | 9,396 | 39,094 | 20 | 418 | 50,973 | |
| | PSE | 13.84 | 15.89 | 18.95 | 18.93 | 56.00 | 19.88 | 100.00 | 32.72 | | |
| 2016 | Upper | Jan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Mar | 954 | 5,093 | 92 | 350 | 0 | 375 | 0 | 170 | 637 |
| | | Apr | 4,928 | 24,501 | 2,109 | 8,036 | 336 | 1,432 | 203 | 2,707 | 6,786 |
| | | May | 425 | 373 | 0 | 0 | 1,048 | 46 | 0 | 0 | 1,094 |
| | | Total | 6,307 | 29,967 | 2,201 | 8,386 | 1,383 | 1,853 | 203 | 2,876 | 8,517 |
| | | PSE | 22.67 | 28.61 | 40.13 | 40.13 | 36.33 | 30.03 | 100.00 | 67.85 | |
| | Lower | Jan | 2,533 | 14,617 | 949 | 3,750 | 409 | 6,632 | 0 | 196 | 8,184 |
| | | Feb | 461 | 1,980 | 214 | 767 | 0 | 380 | 0 | 51 | 645 |
| | | Mar | 959 | 3,687 | 276 | 849 | 196 | 2,295 | 0 | 212 | 2,979 |
| | | Apr | 882 | 4,505 | 271 | 981 | 77 | 2,165 | 0 | 289 | 2,803 |
| | | May | 317 | 1,382 | 0 | 0 | 1,187 | 1,595 | 0 | 0 | 2,781 |
| | | Jun | 145 | 368 | 0 | 0 | 74 | 461 | 0 | 0 | 534 |
| | | Jul | 48 | 169 | 0 | 0 | 0 | 110 | 0 | 0 | 110 |
| | | Aug | 136 | 632 | 0 | 0 | 78 | 246 | 0 | 0 | 323 |
| | | Sep | 0 | 0 | 0 | 0 | 527 | 2,506 | 0 | 0 | 3,033 |
| | | Oct | 952 | 5,224 | 68 | 247 | 33 | 1,757 | 0 | 26 | 1,885 |
| | | Nov | 555 | 2,605 | 0 | 0 | 0 | 290 | 0 | 0 | 290 |
| | | Dec | 1,615 | 7,761 | 881 | 3,521 | 1,882 | 8,799 | 0 | 894 | 12,456 |
| Total | | 8,601 | 42,930 | 2,659 | 10,115 | 4,461 | 27,236 | 0 | 1,668 | 36,024 | |
| | PSE | 12.17 | 14.69 | 26.11 | 27.13 | 33.57 | 21.66 | - | 35.99 | | |

Table IV.8 Estimated effort, harvest, and discards for Striped Bass in the Tar/Pamlico River by month (continued).

| Year | Area | Month | Striped Bass Trips | Striped Bass Hours | Harvest | | Discards (numbers) | | | | Total Catch # Fish |
|-------|-------|--------|--------------------|--------------------|---------|--------|--------------------|-------------|------------|--------|--------------------|
| | | | | | Number | Pounds | Legal Sized | Under Sized | Over Creel | Slot | |
| 2015 | Upper | Jan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Mar | 0 | 0 | 0 | 0 | 0 | 60 | 0 | 0 | 60 |
| | | Apr | 1,380 | 5,231 | 175 | 630 | 0 | 382 | 0 | 194 | 751 |
| | | May | 31 | 92 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Total | 1,411 | 5,324 | 175 | 630 | 0 | 441 | 0 | 194 | 810 |
| | | PSE | 32.54 | 47.04 | 60.03 | 60.03 | - | 41.90 | - | 60.17 | |
| | Lower | Jan | 1,983 | 8,828 | 499 | 1,886 | 278 | 1,818 | 0 | 0 | 2,595 |
| | | Feb | 856 | 3,918 | 460 | 1,740 | 64 | 1,318 | 0 | 0 | 1,842 |
| | | Mar | 690 | 1,922 | 70 | 267 | 143 | 276 | 0 | 115 | 604 |
| | | Apr | 1,024 | 3,144 | 92 | 348 | 0 | 714 | 0 | 40 | 846 |
| | | May | 215 | 722 | 56 | 211 | 391 | 0 | 0 | 0 | 446 |
| | | Jun | 229 | 1,492 | 0 | 0 | 565 | 0 | 0 | 0 | 565 |
| | | Jul | 95 | 558 | 0 | 0 | 2,004 | 38 | 0 | 19 | 2,060 |
| | | Aug | 69 | 51 | 0 | 0 | 50 | 116 | 0 | 0 | 167 |
| | | Sep | 100 | 301 | 0 | 0 | 455 | 89 | 0 | 0 | 544 |
| | | Oct | 782 | 5,503 | 115 | 436 | 0 | 583 | 0 | 32 | 730 |
| Nov | | 1,197 | 6,183 | 277 | 1,048 | 17 | 2,380 | 0 | 0 | 2,675 | |
| Dec | | 2,074 | 9,360 | 403 | 1,517 | 600 | 4,556 | 40 | 26 | 5,625 | |
| Total | | 9,314 | 41,981 | 1,972 | 7,453 | 4,566 | 11,888 | 40 | 232 | 18,698 | |
| PSE | 13.99 | 15.00 | 26.27 | 26.28 | 44.06 | 22.20 | 73.74 | 53.37 | | | |
| 2014 | Upper | Jan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Mar | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Apr | 334 | 1,001 | 0 | 0 | 108 | 0 | 0 | 13 | 121 |
| | | May | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Total | 334 | 1,001 | 0 | 0 | 108 | 0 | 0 | 13 | 121 |
| | | PSE | 54.01 | 63.14 | - | - | 100.00 | - | - | 100.00 | |
| | Lower | Jan | 652 | 2,296 | 265 | 992 | 20 | 17 | 0 | 7 | 309 |
| | | Feb | 1,021 | 4,208 | 453 | 1,842 | 524 | 294 | 98 | 210 | 1,579 |
| | | Mar | 1,031 | 4,842 | 277 | 950 | 70 | 448 | 310 | 30 | 1,135 |
| | | Apr | 480 | 1,707 | 276 | 1,033 | 0 | 1,453 | 144 | 31 | 1,904 |
| | | May | 0 | 0 | 0 | 0 | 52 | 104 | 0 | 20 | 176 |
| | | Jun | 0 | 0 | 0 | 0 | 0 | 44 | 0 | 0 | 44 |
| | | Jul | 0 | 0 | 0 | 0 | 28 | 48 | 0 | 0 | 77 |
| | | Aug | 286 | 602 | 0 | 0 | 103 | 982 | 0 | 0 | 1,085 |
| | | Sep | 132 | 368 | 0 | 0 | 703 | 75 | 0 | 0 | 778 |
| | | Oct | 1,003 | 4,461 | 87 | 326 | 44 | 2,401 | 0 | 0 | 2,533 |
| Nov | 718 | 3,831 | 204 | 765 | 303 | 3,411 | 177 | 59 | 4,155 | | |
| Dec | 1,289 | 6,814 | 336 | 1,256 | 95 | 3,516 | 0 | 162 | 4,108 | | |
| Total | 6,612 | 29,130 | 1,898 | 7,163 | 1,944 | 12,793 | 728 | 518 | 17,882 | | |
| PSE | 14.49 | 15.38 | 21.58 | 21.76 | 28.08 | 29.23 | 48.97 | 35.51 | | | |

Table IV.9 Estimated effort, harvest, and discards for Striped Bass in the Pungo River by month.

| Year | Area | Month | Striped Bass Trips | Striped Bass Hours | Harvest | | Discards (numbers) | | | | Total Catch # Fish |
|------|-------|-------|--------------------|--------------------|---------|--------|--------------------|-------------|------------|-------|--------------------|
| | | | | | Number | Pounds | Legal Sized | Under Sized | Over Creel | Slot | |
| 2023 | Pungo | Jan | 0 | 0 | 0 | 0 | 11 | 4 | 0 | 72 | 86 |
| | | Feb | 332 | 268 | 0 | 0 | 161 | 51 | 0 | 83 | 295 |
| | | Mar | 0 | 0 | 0 | 0 | 0 | 15 | 0 | 0 | 15 |
| | | Apr | 0 | 0 | 0 | 0 | 0 | 24 | 0 | 0 | 24 |
| | | May | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Jun | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Jul | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Aug | 0 | 0 | 0 | 0 | 17 | 0 | 0 | 0 | 17 |
| | | Sep | 0 | 0 | 0 | 0 | 28 | 0 | 0 | 0 | 28 |
| | | Oct | 0 | 0 | 0 | 0 | 0 | 173 | 0 | 0 | 173 |
| | | Nov | 13 | 40 | 0 | 0 | 0 | 27 | 0 | 0 | 27 |
| | | Dec | 0 | 0 | 0 | 0 | 27 | 15 | 0 | 33 | 74 |
| | | Total | 345 | 308 | 0 | 0 | 243 | 309 | 0 | 187 | 739 |
| | | PSE | 91.83 | 78.68 | - | - | 66.66 | 58.07 | - | 49.16 | |
| 2022 | Pungo | Jan | 0 | 0 | 0 | 0 | 75 | 0 | 0 | 0 | 75 |
| | | Feb | 0 | 0 | 0 | 0 | 737 | 9 | 0 | 38 | 784 |
| | | Mar | 0 | 0 | 0 | 0 | 164 | 300 | 0 | 88 | 551 |
| | | Apr | 0 | 0 | 0 | 0 | 130 | 108 | 0 | 18 | 257 |
| | | May | 0 | 0 | 0 | 0 | 71 | 59 | 0 | 0 | 130 |
| | | Jun | 0 | 0 | 0 | 0 | 187 | 0 | 0 | 208 | 395 |
| | | Jul | 13 | 75 | 0 | 0 | 38 | 0 | 0 | 9 | 47 |
| | | Aug | 0 | 0 | 0 | 0 | 9 | 20 | 0 | 0 | 29 |
| | | Sep | 0 | 0 | 0 | 0 | 0 | 33 | 0 | 33 | 66 |
| | | Oct | 0 | 0 | 0 | 0 | 40 | 24 | 0 | 41 | 105 |
| | | Nov | 27 | 224 | 0 | 0 | 47 | 0 | 0 | 73 | 120 |
| | | Dec | 36 | 204 | 0 | 0 | 83 | 0 | 0 | 134 | 217 |
| | | Total | 76 | 503 | 0 | 0 | 1,580 | 553 | 0 | 643 | 2,776 |
| | | PSE | 48.67 | 53.95 | - | - | 39.06 | 56.39 | - | 40.10 | |
| 2021 | Pungo | Jan | 0 | 0 | 0 | 0 | 33 | 68 | 0 | 0 | 102 |
| | | Feb | 21 | 51 | 0 | 0 | 11 | 21 | 0 | 117 | 149 |
| | | Mar | 58 | 201 | 0 | 0 | 7 | 67 | 0 | 160 | 234 |
| | | Apr | 0 | 0 | 0 | 0 | 69 | 69 | 0 | 0 | 139 |
| | | May | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Jun | 0 | 0 | 0 | 0 | 13 | 8 | 0 | 0 | 21 |
| | | Jul | 0 | 0 | 0 | 0 | 10 | 10 | 0 | 0 | 20 |
| | | Aug | 0 | 0 | 0 | 0 | 29 | 0 | 0 | 0 | 29 |
| | | Sep | 0 | 0 | 0 | 0 | 308 | 81 | 0 | 29 | 418 |
| | | Oct | 28 | 146 | 0 | 0 | 26 | 304 | 0 | 46 | 376 |
| | | Nov | 39 | 439 | 0 | 0 | 45 | 55 | 0 | 102 | 202 |
| | | Dec | 22 | 105 | 0 | 0 | 13 | 38 | 0 | 16 | 66 |
| | | Total | 167 | 942 | 0 | 0 | 564 | 721 | 0 | 469 | 1,754 |
| | | PSE | 39.09 | 52.31 | - | - | 49.20 | 30.19 | - | 36.43 | |

Table IV.9 Estimated effort, harvest, and discards for Striped Bass in the Pungo River by month (continued).

| Year | Area | Month | Striped Bass Trips | Striped Bass Hours | Harvest | | Discards (numbers) | | | | Total Catch # Fish |
|-------------------|-------|-------|--------------------|--------------------|---------|--------|--------------------|-------------|------------|------|--------------------|
| | | | | | Number | Pounds | Legal Sized | Under Sized | Over Creel | Slot | |
| 2020 ¹ | Pungo | Jan | 0 | 0 | 0 | 0 | 37 | 30 | 0 | 0 | 68 |
| | | Feb | 0 | 0 | 0 | 0 | 14 | 57 | 0 | 0 | 71 |
| | | Mar | 0 | 0 | 0 | 0 | 0 | 15 | 0 | 110 | 125 |
| | | Apr | - | - | - | - | - | - | - | - | - |
| | | May | - | - | - | - | - | - | - | - | - |
| | | Jun | 0 | 0 | 0 | 0 | 18 | 24 | 0 | 0 | 42 |
| | | Jul | 0 | 0 | 0 | 0 | 7 | 25 | 0 | 0 | 33 |
| | | Aug | 0 | 0 | 0 | 0 | 120 | 90 | 0 | 0 | 211 |
| | | Sep | 136 | 408 | 0 | 0 | 23 | 322 | 0 | 0 | 345 |
| | | Oct | 27 | 66 | 0 | 0 | 51 | 149 | 0 | 8 | 208 |
| | | Nov | 0 | 0 | 0 | 0 | 445 | 482 | 0 | 0 | 927 |
| | | Dec | 57 | 199 | 0 | 0 | 0 | 172 | 0 | 118 | 290 |
| | | Total | 220 | 673 | 0 | 0 | 716 | 1,367 | 0 | 236 | 2,319 |
| | PSE | 65.66 | 64.48 | - | - | 38.00 | 25.58 | - | 48.55 | | |
| 2019 | Pungo | Jan | 68 | 402 | 3 | 14 | 0 | 171 | 0 | 0 | 174 |
| | | Feb | 149 | 861 | 0 | 0 | 0 | 103 | 0 | 0 | 103 |
| | | Mar | 37 | 156 | 0 | 0 | 0 | 335 | 0 | 0 | 335 |
| | | Apr | 0 | 0 | 0 | 0 | 30 | 201 | 0 | 0 | 231 |
| | | May | 0 | 0 | 0 | 0 | 132 | 97 | 0 | 0 | 228 |
| | | Jun | 760 | 3,390 | 0 | 0 | 0 | 894 | 0 | 0 | 894 |
| | | Jul | 0 | 0 | 0 | 0 | 0 | 89 | 0 | 0 | 89 |
| | | Aug | 38 | 213 | 0 | 0 | 36 | 1,197 | 0 | 0 | 1,233 |
| | | Sep | 0 | 0 | 0 | 0 | 0 | 1,299 | 0 | 0 | 1,299 |
| | | Oct | 0 | 0 | 0 | 0 | 89 | 393 | 0 | 0 | 482 |
| | | Nov | 47 | 819 | 0 | 0 | 786 | 1,059 | 0 | 0 | 1,845 |
| | | Dec | 0 | 0 | 0 | 0 | 72 | 362 | 0 | 0 | 435 |
| | | Total | 1,099 | 5,842 | 3 | 14 | 1,146 | 6,200 | 0 | 0 | 7,349 |
| | PSE | 70.87 | 61.75 | 100.00 | 100.00 | 69.87 | 24.04 | - | 0 | | |
| 2018 | Pungo | Jan | 28 | 222 | 39 | 149 | 0 | 26 | 0 | 0 | 64 |
| | | Feb | 23 | 92 | 31 | 122 | 0 | 86 | 0 | 0 | 118 |
| | | Mar | 127 | 740 | 94 | 363 | 13 | 1,844 | 0 | 0 | 1,950 |
| | | Apr | 90 | 250 | 45 | 174 | 0 | 311 | 0 | 0 | 356 |
| | | May | 12 | 55 | 0 | 0 | 9 | 187 | 0 | 0 | 196 |
| | | Jun | 185 | 589 | 0 | 0 | 8 | 751 | 0 | 0 | 759 |
| | | Jul | 39 | 97 | 0 | 0 | 278 | 1,246 | 0 | 0 | 1,523 |
| | | Aug | 15 | 103 | 0 | 0 | 331 | 1,199 | 0 | 0 | 1,530 |
| | | Sep | 0 | 0 | 0 | 0 | 0 | 307 | 0 | 0 | 307 |
| | | Oct | 169 | 1,282 | 10 | 37 | 52 | 1,092 | 0 | 0 | 1,154 |
| | | Nov | 192 | 1,048 | 119 | 461 | 78 | 825 | 0 | 0 | 1,022 |
| | | Dec | 138 | 601 | 22 | 85 | 0 | 430 | 0 | 0 | 452 |
| | | Total | 1,019 | 5,080 | 360 | 1,391 | 768 | 8,304 | 0 | 0 | 9,432 |
| | PSE | 28.03 | 26.69 | 31.47 | 31.47 | 34.45 | 21.95 | - | - | | |

¹Creel sampling was suspended from March 18, 2020 through June 1, 2020, due to the State of North Carolina COVID-19 Safety Protocols.

Table IV.9 Estimated effort, harvest, and discards for Striped Bass in the Pungo River by month (continued).

| Year | Area | Month | Striped Bass Trips | Striped Bass Hours | Harvest | | Discards (numbers) | | | | Total Catch # Fish |
|------|-------|-------|--------------------|--------------------|---------|--------|--------------------|-------------|------------|-------|--------------------|
| | | | | | Number | Pounds | Legal Sized | Under Sized | Over Creel | Slot | |
| 2017 | Pungo | Jan | 126 | 837 | 21 | 68 | 32 | 1,392 | 0 | 0 | 1,445 |
| | | Feb | 69 | 236 | 0 | 0 | 0 | 923 | 0 | 0 | 923 |
| | | Mar | 109 | 645 | 58 | 188 | 0 | 3,024 | 0 | 0 | 3,083 |
| | | Apr | 102 | 408 | 54 | 175 | 13 | 3,941 | 0 | 7 | 4,015 |
| | | May | 0 | 0 | 0 | 0 | 0 | 923 | 0 | 0 | 923 |
| | | Jun | 0 | 0 | 0 | 0 | 12 | 1,498 | 0 | 0 | 1,510 |
| | | Jul | 0 | 0 | 0 | 0 | 0 | 1,212 | 0 | 0 | 1,212 |
| | | Aug | 0 | 0 | 0 | 0 | 0 | 1,135 | 0 | 0 | 1,135 |
| | | Sep | 0 | 0 | 0 | 0 | 175 | 3,254 | 0 | 0 | 3,430 |
| | | Oct | 118 | 658 | 46 | 149 | 0 | 1,062 | 31 | 0 | 1,139 |
| | | Nov | 98 | 632 | 182 | 586 | 6 | 2,469 | 0 | 0 | 2,658 |
| | | Dec | 392 | 1,615 | 289 | 905 | 383 | 1,749 | 0 | 4 | 2,426 |
| | | Total | 1,013 | 5,031 | 652 | 2,070 | 622 | 22,582 | 31 | 11 | 23,898 |
| | | PSE | 16.20 | 17.81 | 24.43 | 24.39 | 52.16 | 11.48 | 100.00 | 72.12 | |
| 2016 | Pungo | Jan | 263 | 1,045 | 39 | 132 | 0 | 2,777 | 0 | 0 | 2,816 |
| | | Feb | 191 | 834 | 13 | 43 | 0 | 610 | 0 | 0 | 623 |
| | | Mar | 153 | 551 | 25 | 87 | 24 | 1,337 | 0 | 0 | 1,387 |
| | | Apr | 37 | 233 | 30 | 102 | 0 | 60 | 0 | 15 | 105 |
| | | May | 68 | 512 | 0 | 0 | 88 | 1,930 | 0 | 0 | 2,018 |
| | | Jun | 0 | 0 | 0 | 0 | 52 | 501 | 0 | 0 | 554 |
| | | Jul | 0 | 0 | 5 | 17 | 60 | 1,475 | 0 | 0 | 1,540 |
| | | Aug | 0 | 0 | 0 | 0 | 100 | 237 | 0 | 0 | 338 |
| | | Sep | 26 | 25 | 0 | 0 | 56 | 458 | 0 | 0 | 514 |
| | | Oct | 177 | 823 | 44 | 149 | 6 | 1,533 | 0 | 10 | 1,593 |
| | | Nov | 46 | 265 | 134 | 471 | 140 | 3,192 | 0 | 22 | 3,488 |
| | | Dec | 306 | 1,382 | 40 | 138 | 7 | 3,885 | 0 | 0 | 3,933 |
| | | Total | 1,268 | 5,670 | 330 | 1,139 | 534 | 17,997 | 0 | 46 | 18,908 |
| | | PSE | 18.01 | 19.14 | 29.26 | 29.45 | 34.08 | 15.57 | - | 60.47 | |
| 2015 | Pungo | Jan | 93 | 312 | 37 | 122 | 0 | 302 | 0 | 0 | 339 |
| | | Feb | 20 | 138 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Mar | 59 | 371 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Apr | 24 | 137 | 37 | 122 | 122 | 0 | 0 | 0 | 158 |
| | | May | 0 | 0 | 0 | 0 | 0 | 22 | 0 | 0 | 22 |
| | | Jun | 0 | 0 | 0 | 0 | 0 | 25 | 0 | 0 | 25 |
| | | Jul | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 9 |
| | | Aug | 0 | 0 | 0 | 0 | 4 | 57 | 0 | 0 | 60 |
| | | Sep | 0 | 0 | 0 | 0 | 58 | 361 | 0 | 0 | 419 |
| | | Oct | 223 | 1,488 | 147 | 490 | 15 | 2,232 | 0 | 0 | 2,394 |
| | | Nov | 166 | 608 | 98 | 329 | 32 | 929 | 0 | 0 | 1,059 |
| | | Dec | 126 | 592 | 96 | 321 | 39 | 1,110 | 0 | 0 | 1,246 |
| | | Total | 711 | 3,644 | 414 | 1,383 | 279 | 5,038 | 0 | 0 | 5,731 |
| | | PSE | 21.68 | 30.39 | 27.88 | 27.83 | 50.66 | 25.02 | - | - | |

Table IV.9 Estimated effort, harvest, and discards for Striped Bass in the Pungo River by month (continued).

| Year | Area | Month | Striped Bass Trips | Striped Bass Hours | Harvest | | Discards (numbers) | | | | Total Catch # Fish |
|------|-------|-------|--------------------|--------------------|---------|--------|--------------------|-------------|------------|-------|--------------------|
| | | | | | Number | Pounds | Legal Sized | Under Sized | Over Creel | Slot | |
| 2014 | Pungo | Jan | 24 | 71 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 11 | 37 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Mar | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Apr | 0 | 0 | 18 | 64 | 0 | 0 | 0 | 0 | 18 |
| | | May | 14 | 70 | 0 | 0 | 120 | 71 | 0 | 0 | 191 |
| | | Jun | 52 | 284 | 0 | 0 | 181 | 48 | 0 | 0 | 230 |
| | | Jul | 0 | 0 | 0 | 0 | 3 | 104 | 0 | 0 | 107 |
| | | Aug | 0 | 0 | 0 | 0 | 25 | 42 | 0 | 0 | 68 |
| | | Sep | 8 | 14 | 0 | 0 | 1,460 | 0 | 0 | 0 | 1,460 |
| | | Oct | 171 | 766 | 30 | 105 | 0 | 132 | 0 | 7 | 169 |
| | | Nov | 83 | 427 | 99 | 344 | 145 | 111 | 0 | 34 | 388 |
| | | Dec | 97 | 524 | 25 | 88 | 67 | 73 | 0 | 25 | 190 |
| | | Total | | | 459 | 2,192 | 173 | 602 | 2,002 | 582 | 0 |
| PSE | | | 25.29 | 26.86 | 41.83 | 36.19 | 56.26 | 26.48 | - | 56.38 | |

Table IV.10 Estimated effort, harvest, and discards for Striped Bass in the Cape Fear River¹ by month.

| Year | Area | Month | Striped Bass Trips | Striped Bass Hours | Harvest | | Discards (numbers) | | | | Total Catch # Fish |
|-------------------|-----------|-------|--------------------|--------------------|---------|--------|--------------------|-------------|------------|------|--------------------|
| | | | | | Number | Pounds | Legal Sized | Under Sized | Over Creel | Slot | |
| 2023 | Cape Fear | Jan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Mar | 14 | 76 | 0 | 0 | 42 | 0 | 0 | 0 | 42 |
| | | Apr | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | May | 84 | 277 | 0 | 0 | 537 | 0 | 0 | 0 | 537 |
| | | Total | 98 | 353 | 0 | 0 | 579 | 0 | 0 | 0 | 579 |
| | | PSE | 79.15 | 78.07 | - | - | 87.62 | - | - | - | - |
| 2022 | Cape Fear | Jan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 450 | 1,351 | 0 | 0 | 225 | 0 | 0 | 0 | 225 |
| | | Mar | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Apr | 771 | 2,711 | 0 | 0 | 2,282 | 38 | 0 | 0 | 2,320 |
| | | May | 26 | 97 | 0 | 0 | 19 | 0 | 0 | 0 | 19 |
| | | Total | 1,247 | 4,159 | 0 | 0 | 2,526 | 38 | 0 | 0 | 2,564 |
| | | PSE | 67.35 | 67.95 | - | - | 85.25 | 100.00 | - | - | - |
| 2021 | Cape Fear | Jan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Mar | 34 | 84 | 0 | 0 | 11 | 0 | 0 | 0 | 11 |
| | | Apr | 98 | 561 | 0 | 0 | 0 | 309 | 0 | 0 | 309 |
| | | May | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Total | 131 | 645 | 0 | 0 | 11 | 309 | 0 | 0 | 321 |
| | | PSE | 52.05 | 57.34 | - | - | 100.00 | 46.67 | - | - | - |
| 2020 ² | Cape Fear | Jan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 8 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Mar | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Apr | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | May | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Total | 8 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | PSE | 100 | 100 | - | - | - | - | - | - | - |
| 2019 | Cape Fear | Jan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Mar | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 4 |
| | | Apr | 24 | 94 | 0 | 0 | 0 | 415 | 0 | 0 | 415 |
| | | May | 0 | 0 | 0 | 0 | 0 | 2,064 | 0 | 0 | 2,064 |
| | | Total | 24 | 94 | 0 | 0 | 0 | 2,482 | 0 | 0 | 2,482 |
| | | PSE | 100.00 | 100.00 | - | - | - | 82.01 | - | - | - |

¹A moratorium on harvest of Striped Bass in the Cape Fear River was implemented in 2012.

²Creel sampling was suspended from March 18, 2020 through June 1, 2020, due to the State of North Carolina COVID-19 Safety Protocols.

Table IV.10 Estimated effort, harvest, and discards for Striped Bass in the Cape Fear River¹ by month (continued).

| Year | Area | Month | Striped Bass Trips | Striped Bass Hours | Harvest | | Discards (numbers) | | | | Total Catch # Fish |
|------|-----------|-------|--------------------|--------------------|---------|--------|--------------------|-------------|------------|------|--------------------|
| | | | | | Number | Pounds | Legal Sized | Under Sized | Over Creel | Slot | |
| 2018 | Cape Fear | Jan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Mar | 18 | 35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Apr | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | May | 7 | 26 | 0 | 0 | 140 | 0 | 0 | 0 | 140 |
| | | Total | 24 | 61 | 0 | 0 | 140 | 0 | 0 | 0 | 140 |
| | | PSE | 77.12 | 72 | - | - | 70.75 | - | - | - | - |
| 2017 | Cape Fear | Jan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 26 | 159 | 0 | 0 | 14 | 0 | 0 | 0 | 14 |
| | | Mar | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Apr | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | May | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Total | 26 | 159 | 0 | 0 | 14 | 0 | 0 | 0 | 14 |
| | | PSE | 100.00 | 100.00 | - | - | 100.00 | - | - | - | - |
| 2016 | Cape Fear | Jan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Mar | 179 | 750 | 0 | 0 | 10 | 12 | 0 | 0 | 22 |
| | | Apr | 87 | 315 | 0 | 0 | 17 | 0 | 0 | 0 | 17 |
| | | May | 126 | 399 | 0 | 0 | 588 | 0 | 0 | 0 | 588 |
| | | Total | 391 | 1,464 | 0 | 0 | 616 | 12 | 0 | 0 | 628 |
| | | PSE | 46.44 | 44.35 | - | - | 95.83 | 100.00 | - | - | - |
| 2015 | Cape Fear | Jan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Mar | 110 | 422 | 0 | 0 | 22 | 0 | 0 | 0 | 22 |
| | | Apr | 19 | 181 | 0 | 0 | 0 | 162 | 0 | 0 | 162 |
| | | May | 79 | 100 | 0 | 0 | 0 | 15 | 0 | 0 | 15 |
| | | Total | 209 | 702 | 0 | 0 | 22 | 176 | 0 | 0 | 199 |
| | | PSE | 50.10 | 52.97 | - | - | 100.00 | 57.39 | - | - | - |
| 2014 | Cape Fear | Jan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Mar | 138 | 582 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Apr | 138 | 833 | 0 | 0 | 708 | 703 | 0 | 0 | 1,412 |
| | | May | 161 | 748 | 0 | 0 | 122 | 17 | 0 | 0 | 139 |
| | | Total | 438 | 2,164 | 0 | 0 | 830 | 721 | 0 | 0 | 1,551 |
| | | PSE | 41.96 | 45.87 | - | - | 72.68 | 77.47 | - | - | - |

¹A moratorium on harvest of Striped Bass in the Cape Fear River was implemented in 2012.

Table IV.11 Estimated shad effort and catch¹ (in numbers) by river in the CSMA.

| Year | River | Month | Shad | | American Shad | | Hickory Shad | |
|------|-------------------------|-------|-------|--------|---------------|----------|--------------|----------|
| | | | Trips | Hours | Number | Released | Number | Released |
| 2023 | Upper Neuse River | Jan | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 945 | 2,966 | 16 | 16 | 329 | 489 |
| | | Mar | 187 | 346 | 0 | 14 | 37 | 171 |
| | | Apr | 28 | 85 | 0 | 0 | 0 | 0 |
| | | May | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Total | 1,160 | 3,398 | 16 | 30 | 366 | 660 |
| | Middle Neuse River | Jan | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 346 | 2,023 | 0 | 54 | 859 | 5,144 |
| | | Mar | 1,075 | 6,529 | 139 | 814 | 1,878 | 7,089 |
| | | Apr | 0 | 0 | 0 | 0 | 0 | 0 |
| | | May | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Total | 1,422 | 8,553 | 139 | 867 | 2,737 | 12,233 |
| | Lower Neuse River | Jan | 121 | 304 | 0 | 0 | 0 | 0 |
| | | Feb | 528 | 1,444 | 0 | 88 | 329 | 492 |
| | | Mar | 426 | 937 | 0 | 24 | 526 | 1,037 |
| | | Apr | 0 | 0 | 0 | 0 | 0 | 0 |
| | | May | 83 | 41 | 0 | 0 | 0 | 0 |
| | | Total | 1,157 | 2,726 | 0 | 115 | 855 | 1,573 |
| | Upper Tar River | Jan | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 204 | 430 | 25 | 324 | 0 | 398 |
| | | Mar | 1,157 | 2,656 | 749 | 1,369 | 0 | 171 |
| | | Apr | 247 | 401 | 47 | 205 | 0 | 0 |
| | | May | 69 | 245 | 0 | 190 | 0 | 304 |
| | | Total | 1,677 | 3,731 | 821 | 2,089 | 0 | 873 |
| | Lower Tar/Pamlico River | Jan | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Mar | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Apr | 0 | 0 | 0 | 0 | 0 | 0 |
| | | May | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Total | 0 | 0 | 0 | 0 | 0 | 0 |
| | Cape Fear River | Jan | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Mar | 641 | 3,099 | 1,205 | 2,645 | 0 | 0 |
| | | Apr | 533 | 2,240 | 584 | 2,016 | 0 | 0 |
| | | May | 69 | 146 | 290 | 1,114 | 0 | 0 |
| | | Total | 1,243 | 5,484 | 2,079 | 5,775 | 0 | 0 |
| | CSMA Combined | Jan | 121 | 304 | 0 | 0 | 0 | 0 |
| | | Feb | 2,023 | 6,864 | 40 | 482 | 1,517 | 6,523 |
| | | Mar | 3,485 | 13,567 | 2,092 | 4,866 | 2,441 | 8,467 |
| | | Apr | 809 | 2,726 | 632 | 2,222 | 0 | 0 |
| | | May | 221 | 432 | 290 | 1,304 | 0 | 304 |
| | | Total | 6,659 | 23,892 | 3,055 | 8,877 | 3,959 | 15,338 |

¹Catch of American Shad and Hickory Shad were calculated by assigning a ratio of observed shad by species to reported miscellaneous catch. PSEs are not available for shad.

Table IV.11 Estimated shad effort and catch¹ (in numbers) by river in the CSMA (continued).

| Year | River | Month | Shad | | American Shad | | Hickory Shad | |
|------|-------------------------|-------|--------|--------|---------------|----------|--------------|----------|
| | | | Trips | Hours | Number | Released | Number | Released |
| 2022 | Upper Neuse River | Jan | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 753 | 2,156 | 0 | 5 | 51 | 314 |
| | | Mar | 1,030 | 2,179 | 20 | 16 | 99 | 87 |
| | | Apr | 118 | 533 | 0 | 0 | 0 | 0 |
| | | May | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Total | 1,901 | 4,868 | 20 | 21 | 150 | 401 |
| | Middle Neuse River | Jan | 52 | 30 | 0 | 0 | 0 | 0 |
| | | Feb | 1,519 | 6,417 | 9 | 77 | 1,446 | 2,104 |
| | | Mar | 1,529 | 4,410 | 7 | 82 | 1,745 | 9,621 |
| | | Apr | 16 | 49 | 0 | 0 | 0 | 0 |
| | | May | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Total | 3,115 | 10,905 | 16 | 158 | 3,191 | 11,725 |
| | Lower Neuse River | Jan | 0 | 0 | 0 | 0 | 0 | 104 |
| | | Feb | 745 | 1,109 | 0 | 0 | 620 | 650 |
| | | Mar | 456 | 799 | 0 | 0 | 71 | 467 |
| | | Apr | 0 | 0 | 0 | 0 | 0 | 0 |
| | | May | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Total | 1,200 | 1,908 | 0 | 0 | 691 | 1,221 |
| | Upper Tar River | Jan | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 512 | 1,186 | 82 | 358 | 50 | 445 |
| | | Mar | 3,508 | 4,488 | 69 | 318 | 811 | 3,538 |
| | | Apr | 1,611 | 2,515 | 322 | 694 | 28 | 58 |
| | | May | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Total | 5,631 | 8,189 | 473 | 1,370 | 888 | 4,042 |
| | Lower Tar/Pamlico River | Jan | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 14 | 34 | 0 | 0 | 9 | 0 |
| | | Mar | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Apr | 0 | 0 | 0 | 0 | 0 | 0 |
| | | May | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Total | 14 | 34 | 0 | 0 | 9 | 0 |
| | Cape Fear River | Jan | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 105 | 490 | 126 | 0 | 0 | 0 |
| | | Mar | 94 | 275 | 38 | 54 | 0 | 0 |
| | | Apr | 923 | 2,394 | 2,496 | 520 | 0 | 0 |
| | | May | 136 | 839 | 6 | 378 | 0 | 0 |
| | | Total | 1,257 | 3,998 | 2,666 | 953 | 0 | 0 |
| | CSMA Combined | Jan | 52 | 30 | 0 | 0 | 0 | 104 |
| | | Feb | 3,646 | 11,392 | 217 | 440 | 2,176 | 3,514 |
| | | Mar | 6,617 | 12,151 | 134 | 470 | 2,726 | 13,713 |
| | | Apr | 2,669 | 5,490 | 2,818 | 1,214 | 28 | 58 |
| | | May | 136 | 839 | 6 | 378 | 0 | 0 |
| | | Total | 13,119 | 29,903 | 3,176 | 2,503 | 4,930 | 17,389 |

¹Catch of American Shad and Hickory Shad were calculated by assigning a ratio of observed shad by species to reported miscellaneous catch. PSEs are not available for shad.

Table IV.11 Estimated shad effort and catch¹ (in numbers) by river in the CSMA (continued).

| Year | River | Month | Shad | | American Shad | | Hickory Shad | |
|------|-------------------------|-------|--------|--------|---------------|----------|--------------|----------|
| | | | Trips | Hours | Number | Released | Number | Released |
| 2021 | Upper Neuse River | Jan | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 95 | 211 | 0 | 0 | 0 | 0 |
| | | Mar | 1,599 | 5,333 | 12 | 55 | 1,810 | 2,078 |
| | | Apr | 92 | 242 | 0 | 0 | 0 | 0 |
| | | May | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Total | 1,785 | 5,786 | 12 | 55 | 1,810 | 2,078 |
| | Middle Neuse River | Jan | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 729 | 1,262 | 0 | 0 | 65 | 130 |
| | | Mar | 2,371 | 8,461 | 13 | 14 | 4,490 | 15,462 |
| | | Apr | 87 | 71 | 0 | 0 | 0 | 326 |
| | | May | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Total | 3,187 | 9,794 | 13 | 14 | 4,555 | 15,919 |
| | Lower Neuse River | Jan | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 148 | 72 | 0 | 0 | 0 | 24 |
| | | Mar | 1,330 | 3,395 | 11 | 0 | 1,124 | 2,328 |
| | | Apr | 130 | 285 | 0 | 0 | 0 | 0 |
| | | May | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Total | 1,608 | 3,752 | 11 | 0 | 1,124 | 2,352 |
| | Upper Tar River | Jan | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 599 | 511 | 0 | 0 | 0 | 19 |
| | | Mar | 7,809 | 19,626 | 496 | 1,723 | 6,163 | 24,143 |
| | | Apr | 1,837 | 3,293 | 302 | 3,652 | 29 | 213 |
| | | May | 0 | 0 | 0 | 0 | 0 | 14 |
| | | Total | 10,245 | 23,429 | 797 | 5,375 | 6,192 | 24,390 |
| | Lower Tar/Pamlico River | Jan | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 0 | 0 | 0 | 0 | 0 | 6 |
| | | Mar | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Apr | 0 | 0 | 0 | 0 | 0 | 0 |
| | | May | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Total | 0 | 0 | 0 | 0 | 0 | 6 |
| | Cape Fear River | Jan | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Mar | 466 | 1,837 | 369 | 631 | 12 | 0 |
| | | Apr | 920 | 4,812 | 2,164 | 5,259 | 0 | 0 |
| | | May | 98 | 676 | 90 | 1,025 | 0 | 0 |
| | | Total | 1,484 | 7,325 | 2,624 | 6,914 | 12 | 0 |
| | CSMA Combined | Jan | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 1,571 | 2,055 | 0 | 0 | 65 | 179 |
| | | Mar | 13,575 | 38,652 | 901 | 2,423 | 13,599 | 44,012 |
| | | Apr | 3,065 | 8,703 | 2,465 | 8,911 | 29 | 540 |
| | | May | 98 | 676 | 90 | 1,025 | 0 | 14 |
| | | Total | 18,309 | 50,085 | 3,457 | 12,358 | 13,693 | 44,745 |

¹Catch of American Shad and Hickory Shad were calculated by assigning a ratio of observed shad by species to reported miscellaneous catch. PSEs are not available for shad.

Table IV.11 Estimated shad effort and catch¹ (in numbers) by river in the CSMA (continued).

| Year | River | Month | Shad | | American Shad | | Hickory Shad | |
|-------------------|-------------------------|-------|--------|--------|---------------|----------|--------------|----------|
| | | | Trips | Hours | Number | Released | Number | Released |
| 2020 ₂ | Upper Neuse River | Jan | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 640 | 1,614 | 0 | 0 | 0 | 0 |
| | | Mar | 2,166 | 6,407 | 646 | 199 | 183 | 57 |
| | | Apr | - | - | - | - | - | - |
| | | May | - | - | - | - | - | - |
| | | Total | 2,806 | 8,021 | 646 | 199 | 183 | 57 |
| | Middle Neuse River | Jan | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 1,433 | 5,253 | 39 | 326 | 3,327 | 2,606 |
| | | Mar | 5,609 | 23,526 | 145 | 2,205 | 9,684 | 47,390 |
| | | Apr | - | - | - | - | - | - |
| | | May | - | - | - | - | - | - |
| | | Total | 7,042 | 28,780 | 184 | 2,531 | 13,011 | 49,996 |
| | Lower Neuse River | Jan | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 326 | 654 | 0 | 0 | 628 | 296 |
| | | Mar | 322 | 1,396 | 0 | 83 | 311 | 1,878 |
| | | Apr | - | - | - | - | - | - |
| | | May | - | - | - | - | - | - |
| | | Total | 648 | 2,050 | 0 | 83 | 939 | 2,173 |
| | Upper Tar River | Jan | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 1,556 | 4,837 | 0 | 359 | 16 | 1,456 |
| | | Mar | 4,319 | 15,037 | 209 | 376 | 721 | 14,146 |
| | | Apr | - | - | - | - | - | - |
| | | May | - | - | - | - | - | - |
| | | Total | 5,876 | 19,875 | 209 | 736 | 738 | 15,602 |
| | Lower Tar/Pamlico River | Jan | 0 | 0 | 0 | 0 | 0 | 160 |
| | | Feb | 38 | 296 | 0 | 0 | 0 | 32 |
| | | Mar | 0 | 0 | 0 | 102 | 0 | 0 |
| | | Apr | - | - | - | - | - | - |
| | | May | - | - | - | - | - | - |
| | | Total | 38 | 296 | 0 | 102 | 0 | 191 |
| | Cape Fear River | Jan | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Mar | 1,050 | 4,453 | 3,582 | 3,740 | 0 | 0 |
| | | Apr | - | - | - | - | - | - |
| | | May | - | - | - | - | - | - |
| | | Total | 1,050 | 4,453 | 3,582 | 3,740 | 0 | 0 |
| | CSMA Combined | Jan | 0 | 0 | 0 | 0 | 0 | 160 |
| | | Feb | 3,992 | 12,654 | 39 | 685 | 3,971 | 4,390 |
| | | Mar | 13,468 | 50,820 | 4,582 | 6,706 | 10,900 | 63,470 |
| | | Apr | - | - | - | - | - | - |
| | | May | - | - | - | - | - | - |
| | | Total | 17,459 | 63,474 | 4,621 | 7,391 | 14,871 | 68,020 |

¹Catch of American Shad and Hickory Shad were calculated by assigning a ratio of observed shad by species to reported miscellaneous catch. PSEs are not available for shad.

²Creel sampling was suspended from March 18, 2020 through June 1, 2020, due to the State of North Carolina COVID-19 Safety Protocols

Table IV.11 Estimated shad effort and catch¹ (in numbers) by river in the CSMA (continued).

| Year | River | Month | Shad | | American Shad | | Hickory Shad | |
|------|-------------------------|-------|--------|--------|---------------|----------|--------------|----------|
| | | | Trips | Hours | Number | Released | Number | Released |
| 2019 | Upper Neuse River | Jan | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 653 | 204 | 0 | 0 | 0 | 0 |
| | | Mar | 862 | 1,463 | 39 | 0 | 26 | 69 |
| | | Apr | 194 | 792 | 111 | 0 | 0 | 0 |
| | | May | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Total | 1,708 | 2,459 | 150 | 0 | 26 | 69 |
| | Middle Neuse River | Jan | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 1,541 | 5,970 | 33 | 6 | 676 | 1,279 |
| | | Mar | 2,213 | 7,131 | 4 | 33 | 1,550 | 6,842 |
| | | Apr | 367 | 1,442 | 28 | 25 | 146 | 524 |
| | | May | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Total | 4,120 | 14,544 | 65 | 64 | 2,372 | 8,645 |
| | Lower Neuse River | Jan | 307 | 677 | 0 | 0 | 25 | - |
| | | Feb | 820 | 2,822 | 0 | 59 | 499 | 466 |
| | | Mar | 746 | 2,520 | 0 | 0 | 1,088 | 1,188 |
| | | Apr | 15 | 70 | 0 | 0 | 108 | 46 |
| | | May | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Total | 1,889 | 6,088 | 0 | 59 | 1,720 | 1,701 |
| | Upper Tar River | Jan | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 1,958 | 4,355 | 12 | 486 | 394 | 708 |
| | | Mar | 3,187 | 7,661 | 171 | 2,277 | 3,533 | 9,446 |
| | | Apr | 571 | 1,175 | 369 | 357 | 313 | 247 |
| | | May | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Total | 5,716 | 13,191 | 552 | 3,120 | 4,240 | 10,401 |
| | Lower Tar/Pamlico River | Jan | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Mar | 15 | 33 | 0 | 0 | 0 | 0 |
| | | Apr | 0 | 0 | 0 | 0 | 0 | 0 |
| | | May | 0 | 0 | 0 | 0 | 0 | 4 |
| | | Total | 15 | 33 | 0 | 0 | 0 | 4 |
| | Cape Fear River | Jan | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Mar | 311 | 805 | 634 | 806 | 0 | 0 |
| | | Apr | 443 | 1,470 | 1,387 | 2,161 | 0 | 20 |
| | | May | 244 | 680 | 250 | 441 | 0 | 0 |
| | | Total | 999 | 2,955 | 2,271 | 3,408 | 0 | 20 |
| | CSMA Combined | Jan | 307 | 677 | 0 | 0 | 25 | 0 |
| | | Feb | 4,973 | 13,352 | 46 | 551 | 1,569 | 2,453 |
| | | Mar | 7,334 | 19,613 | 848 | 3,116 | 6,198 | 17,546 |
| | | Apr | 1,590 | 4,948 | 1,894 | 2,543 | 567 | 837 |
| | | May | 244 | 680 | 250 | 441 | 0 | 4 |
| | | Total | 14,448 | 39,270 | 3,038 | 6,652 | 8,358 | 20,841 |

¹Catch of American Shad and Hickory Shad were calculated by assigning a ratio of observed shad by species to reported miscellaneous catch. PSEs are not available for shad.

²Creel sampling was suspended from March 18, 2020 through June 1, 2020, due to the State of North Carolina COVID-19 Safety Protocols

Table IV.11 Estimated shad effort and catch¹ (in numbers) by river in the CSMA (continued).

| Year | River | Month | Shad | | American Shad | | Hickory Shad | |
|------|-------------------------|-------|--------|--------|---------------|----------|--------------|----------|
| | | | Trips | Hours | Number | Released | Number | Released |
| 2018 | Upper Neuse River | Jan | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 2,655 | 3,038 | 30 | 0 | 30 | 0 |
| | | Mar | 1,271 | 2,745 | 24 | 36 | 80 | 0 |
| | | Apr | 24 | 84 | 0 | 0 | 0 | 0 |
| | | May | 15 | 7 | 0 | 0 | 0 | 0 |
| | | Total | 3,964 | 5,874 | 54 | 36 | 110 | 0 |
| | Middle Neuse River | Jan | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 5,145 | 20,422 | 36 | 218 | 9,573 | 32,053 |
| | | Mar | 2,997 | 11,064 | 22 | 104 | 5,637 | 20,999 |
| | | Apr | 574 | 970 | 0 | 0 | 319 | 399 |
| | | May | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Total | 8,716 | 32,457 | 58 | 322 | 15,529 | 53,451 |
| | Lower Neuse River | Jan | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 87 | 342 | 0 | 0 | 234 | 56 |
| | | Mar | 586 | 2,141 | 0 | 0 | 1,364 | 4,415 |
| | | Apr | 0 | 0 | 0 | 0 | 32 | 21 |
| | | May | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Total | 673 | 2,483 | 0 | 0 | 1,630 | 4,493 |
| | Upper Tar River | Jan | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 2,373 | 3,287 | 391 | 873 | 195 | 1,658 |
| | | Mar | 2,496 | 6,896 | 138 | 391 | 487 | 4,060 |
| | | Apr | 629 | 2,288 | 131 | 1,301 | 158 | 298 |
| | | May | 151 | 343 | 25 | 202 | - | 25 |
| | | Total | 5,648 | 12,814 | 685 | 2,767 | 840 | 6,041 |
| | Lower Tar/Pamlico River | Jan | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 14 | 15 | 0 | 0 | 0 | 30 |
| | | Mar | 0 | 0 | 0 | 0 | 50 | 176 |
| | | Apr | 34 | 73 | 0 | 0 | 34 | 56 |
| | | May | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Total | 48 | 89 | 0 | 0 | 85 | 262 |
| | Cape Fear River | Jan | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Mar | 737 | 2,774 | 676 | 1,298 | 12 | 53 |
| | | Apr | 1,654 | 7,850 | 4,104 | 6,386 | 0 | 0 |
| | | May | 217 | 899 | 585 | 243 | 0 | 0 |
| | | Total | 2,608 | 11,523 | 5,365 | 7,927 | 12 | 53 |
| | CSMA Combined | Jan | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 10,274 | 27,105 | 457 | 1,091 | 10,033 | 33,797 |
| | | Mar | 8,086 | 25,620 | 860 | 1,829 | 7,631 | 29,703 |
| | | Apr | 2,915 | 11,266 | 4,235 | 7,687 | 544 | 773 |
| | | May | 383 | 1,249 | 610 | 445 | 0 | 25 |
| | | Total | 21,657 | 65,240 | 6,162 | 11,052 | 18,208 | 64,299 |

¹Catch of American Shad and Hickory Shad were calculated by assigning a ratio of observed shad by species to reported miscellaneous catch. PSEs are not available for shad.

²Creel sampling was suspended from March 18, 2020 through June 1, 2020, due to the State of North Carolina COVID-19 Safety Protocols

Table IV.11 Estimated shad effort and catch¹ (in numbers) by river in the CSMA (continued).

| Year | River | Month | Shad | | American Shad | | Hickory Shad | |
|------|-------------------------|-------|--------|--------|---------------|----------|--------------|----------|
| | | | Trips | Hours | Number | Released | Number | Released |
| 2017 | Upper Neuse River | Jan | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Mar | 1,146 | 2,725 | 44 | 11 | 480 | 273 |
| | | Apr | 560 | 1,103 | 0 | 0 | 0 | 0 |
| | | May | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Total | 1,706 | 3,828 | 44 | 11 | 480 | 273 |
| | Middle Neuse River | Jan | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 4,037 | 14,512 | 204 | 782 | 3,871 | 13,230 |
| | | Mar | 4,136 | 16,841 | 140 | 1,285 | 8,161 | 33,858 |
| | | Apr | 549 | 3,008 | 19 | 96 | 557 | 3,880 |
| | | May | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Total | 8,722 | 34,362 | 363 | 2,136 | 12,590 | 50,996 |
| | Lower Neuse River | Jan | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 1,104 | 5,957 | 1 | 0 | 402 | 426 |
| | | Mar | 1,534 | 5,928 | 112 | 444 | 3,299 | 20,577 |
| | | Apr | 0 | 0 | 0 | 0 | 0 | 0 |
| | | May | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Total | 2,638 | 11,885 | 112 | 444 | 3,701 | 21,662 |
| | Upper Tar River | Jan | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 1,871 | 6,814 | 132 | 318 | 81 | 190 |
| | | Mar | 3,576 | 9,190 | 677 | 1,848 | 1,550 | 6,711 |
| | | Apr | 593 | 667 | 88 | 44 | 0 | 207 |
| | | May | 60 | 77 | 1 | 0 | 50 | 1 |
| | | Total | 6,101 | 16,748 | 897 | 2,210 | 1,680 | 7,108 |
| | Lower Tar/Pamlico River | Jan | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 22 | 160 | 0 | 7 | 0 | 0 |
| | | Mar | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Apr | 52 | 129 | 1 | 0 | 15 | 16 |
| | | May | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Total | 74 | 290 | 1 | 7 | 15 | 16 |
| | Cape Fear River | Jan | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 623 | 2,481 | 319 | 389 | 0 | 0 |
| | | Mar | 427 | 1,647 | 617 | 2,147 | 14 | 0 |
| | | Apr | 319 | 1,837 | 416 | 133 | 0 | 0 |
| | | May | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Total | 1,368 | 5,965 | 1,352 | 2,669 | 14 | 0 |
| | CSMA Combined | Jan | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 7,656 | 29,926 | 656 | 1,496 | 4,354 | 13,846 |
| | | Mar | 10,819 | 36,330 | 1,590 | 5,735 | 13,504 | 61,420 |
| | | Apr | 2,073 | 6,744 | 524 | 273 | 572 | 4,104 |
| | | May | 60 | 77 | 1 | 0 | 50 | 1 |
| | | Total | 20,609 | 73,077 | 2,769 | 7,477 | 18,480 | 80,056 |

¹Catch of American Shad and Hickory Shad were calculated by assigning a ratio of observed shad by species to reported miscellaneous catch. PSEs are not available for shad.

²Creel sampling was suspended from March 18, 2020 through June 1, 2020, due to the State of North Carolina COVID-19 Safety Protocols

Table IV.11 Estimated shad effort and catch¹ (in numbers) by river in the CSMA (continued).

| Year | River | Month | Shad | | American Shad | | Hickory Shad | |
|------|-------------------------|-------|--------|--------|---------------|----------|--------------|----------|
| | | | Trips | Hours | Number | Released | Number | Released |
| 2016 | Upper Neuse River | Jan | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 172 | 144 | 0 | 0 | 0 | 0 |
| | | Mar | 1,235 | 2,601 | 90 | 50 | 898 | 150 |
| | | Apr | 643 | 1,174 | 102 | 282 | 0 | 0 |
| | | May | 171 | 488 | 0 | 798 | 0 | 0 |
| | | Total | 2,221 | 4,406 | 192 | 1,144 | 898 | 136 |
| | Middle Neuse River | Jan | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 1,191 | 2,783 | 0 | 0 | 505 | 249 |
| | | Mar | 4,454 | 13,958 | 60 | 280 | 7,651 | 28,168 |
| | | Apr | 151 | 27 | 0 | 0 | 0 | 0 |
| | | May | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Total | 5,795 | 16,768 | 60 | 279 | 8,157 | 28,418 |
| | Lower Neuse River | Jan | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 362 | 996 | 0 | 0 | 21 | 42 |
| | | Mar | 1,212 | 5,042 | 0 | 0 | 1,777 | 1,498 |
| | | Apr | 0 | 0 | 0 | 0 | 0 | 0 |
| | | May | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Total | 1,573 | 6,038 | 0 | 0 | 1,798 | 1,540 |
| | Upper Tar River | Jan | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 495 | 315 | 0 | 0 | 0 | 0 |
| | | Mar | 2,748 | 9,309 | 492 | 1,043 | 1,186 | 11,531 |
| | | Apr | 1,711 | 8,026 | 559 | 1,776 | 223 | 0 |
| | | May | 241 | 282 | 0 | 0 | 0 | 0 |
| | | Total | 5,195 | 17,932 | 1,051 | 2,820 | 1,409 | 11,531 |
| | Lower Tar/Pamlico River | Jan | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 8 | 35 | 0 | 0 | 0 | 0 |
| | | Mar | 34 | 155 | 0 | 0 | 0 | 0 |
| | | Apr | 0 | 0 | 0 | 0 | 0 | 0 |
| | | May | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Total | 42 | 191 | 0 | 0 | 0 | 59 |
| | Cape Fear River | Jan | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 29 | 72 | 0 | 0 | 0 | 0 |
| | | Mar | 2,321 | 10,072 | 5,157 | 4,114 | 0 | 0 |
| | | Apr | 2,294 | 11,354 | 4,682 | 7,144 | 0 | 0 |
| | | May | 406 | 1,009 | 405 | 129 | 0 | 0 |
| | | Total | 5,050 | 22,507 | 10,244 | 11,388 | 0 | 0 |
| | CSMA Combined | Jan | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 2,257 | 4,345 | 0 | 0 | 526 | 291 |
| | | Mar | 12,003 | 41,137 | 5,799 | 5,488 | 11,513 | 41,347 |
| | | Apr | 4,799 | 20,581 | 5,343 | 9,203 | 223 | 0 |
| | | May | 818 | 1,779 | 405 | 927 | 0 | 0 |
| | | Total | 19,877 | 67,842 | 11,547 | 15,631 | 12,262 | 41,684 |

¹Catch of American Shad and Hickory Shad were calculated by assigning a ratio of observed shad by species to reported miscellaneous catch. PSEs are not available for shad.

²Creel sampling was suspended from March 18, 2020 through June 1, 2020, due to the State of North Carolina COVID-19 Safety Protocols

Table IV.11 Estimated shad effort and catch¹ (in numbers) by river in the CSMA (continued).

| Year | River | Month | Shad | | American Shad | | Hickory Shad | |
|------|-------------------------|-------|--------|--------|---------------|----------|--------------|----------|
| | | | Trips | Hours | Number | Released | Number | Released |
| 2015 | Upper Neuse River | Jan | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Mar | 2,378 | 4,123 | 28 | 16 | 1,562 | 172 |
| | | Apr | 712 | 1,245 | 65 | 92 | 768 | 163 |
| | | May | 41 | 154 | 0 | 0 | 0 | 0 |
| | | Total | 3,131 | 5,522 | 94 | 107 | 2,330 | 335 |
| | Middle Neuse River | Jan | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 365 | 420 | 0 | 0 | 0 | 0 |
| | | Mar | 3,259 | 10,237 | 0 | 17 | 5,299 | 9,882 |
| | | Apr | 1,025 | 3,452 | 0 | 13 | 2,742 | 2,100 |
| | | May | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Total | 4,649 | 14,109 | 0 | 30 | 8,040 | 11,981 |
| | Lower Neuse River | Jan | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 142 | 362 | 0 | 0 | 0 | 0 |
| | | Mar | 95 | 286 | 0 | 0 | 48 | 0 |
| | | Apr | 0 | 0 | 0 | 0 | 0 | 0 |
| | | May | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Total | 237 | 648 | 0 | 0 | 48 | 0 |
| | Upper Tar River | Jan | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 121 | 302 | 0 | 0 | 0 | 0 |
| | | Mar | 2,329 | 6,148 | 618 | 1,528 | 598 | 4,063 |
| | | Apr | 1,183 | 2,842 | 363 | 188 | 266 | 720 |
| | | May | 50 | 360 | 25 | 2,138 | 0 | 100 |
| | | Total | 3,682 | 9,652 | 1,006 | 3,917 | 864 | 4,821 |
| | Lower Tar/Pamlico River | Jan | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Mar | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Apr | 0 | 0 | 0 | 0 | 0 | 0 |
| | | May | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Total | 0 | 0 | 0 | 0 | 0 | 0 |
| | Cape Fear River | Jan | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Mar | 1,616 | 6,635 | 2,061 | 1,394 | 12 | 2 |
| | | Apr | 1,488 | 6,405 | 1,860 | 4,993 | 0 | 0 |
| | | May | 307 | 890 | 215 | 0 | 0 | 0 |
| | | Total | 3,411 | 13,930 | 4,136 | 6,388 | 12 | 1 |
| | CSMA Combined | Jan | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 628 | 1,084 | 0 | 0 | 0 | 0 |
| | | Mar | 9,677 | 27,431 | 2,707 | 2,954 | 7,518 | 14,118 |
| | | Apr | 4,408 | 13,943 | 2,288 | 5,286 | 3,776 | 2,983 |
| | | May | 398 | 1,403 | 240 | 2,138 | 0 | 100 |
| | | Total | 15,111 | 43,861 | 5,235 | 10,442 | 11,293 | 17,138 |

¹Catch of American Shad and Hickory Shad were calculated by assigning a ratio of observed shad by species to reported miscellaneous catch. PSEs are not available for shad.

²Creel sampling was suspended from March 18, 2020 through June 1, 2020, due to the State of North Carolina COVID-19 Safety Protocols

Table IV.11 Estimated shad effort and catch¹ (in numbers) by river in the CSMA (continued).

| Year | River | Month | Shad | | American Shad | | Hickory Shad | |
|------|-------------------------|-------|--------|--------|---------------|----------|--------------|----------|
| | | | Trips | Hours | Number | Released | Number | Released |
| 2014 | Upper Neuse River | Jan | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Mar | 1,740 | 4,616 | 0 | 616 | 402 | 737 |
| | | Apr | 629 | 686 | 0 | 0 | 0 | 0 |
| | | May | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Total | 2,369 | 5,302 | 0 | 616 | 402 | 737 |
| | Middle Neuse River | Jan | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 1,681 | 3,028 | 128 | 185 | 1,130 | 2,596 |
| | | Mar | 4,307 | 11,318 | 0 | 73 | 5,219 | 11,347 |
| | | Apr | 570 | 1,150 | 0 | 0 | 74 | 60 |
| | | May | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Total | 6,558 | 15,495 | 128 | 261 | 6,424 | 14,000 |
| | Lower Neuse River | Jan | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 3,046 | 9,084 | 0 | 0 | 6,429 | 12,536 |
| | | Mar | 1,542 | 3,389 | 285 | 120 | 2,024 | 775 |
| | | Apr | 222 | 260 | 0 | 0 | 0 | 0 |
| | | May | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Total | 4,810 | 12,733 | 285 | 120 | 8,453 | 13,311 |
| | Upper Tar River | Jan | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 425 | 1,378 | 0 | 0 | 0 | 0 |
| | | Mar | 1,118 | 2,570 | 112 | 1,207 | 123 | 711 |
| | | Apr | 1,011 | 2,949 | 56 | 107 | 218 | 1,340 |
| | | May | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Total | 2,554 | 6,897 | 168 | 1,314 | 341 | 2,052 |
| | Lower Tar/Pamlico River | Jan | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 40 | 7 | 0 | 0 | 0 | 0 |
| | | Mar | 37 | 132 | 0 | 0 | 0 | 0 |
| | | Apr | 0 | 0 | 0 | 0 | 0 | 0 |
| | | May | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Total | 78 | 138 | 0 | 0 | 0 | 0 |
| | Cape Fear River | Jan | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Mar | 559 | 1,366 | 372 | 0 | 0 | 0 |
| | | Apr | 1,898 | 9,161 | 5,400 | 9,719 | 0 | 0 |
| | | May | 553 | 1,914 | 1,680 | 1,306 | 0 | 0 |
| | | Total | 3,010 | 12,441 | 7,453 | 11,025 | 0 | 0 |
| | CSMA Combined | Jan | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Feb | 5,192 | 13,496 | 128 | 185 | 7,559 | 15,132 |
| | | Mar | 9,303 | 23,390 | 768 | 2,017 | 7,768 | 13,571 |
| | | Apr | 4,330 | 14,205 | 5,457 | 9,826 | 292 | 1,400 |
| | | May | 553 | 1,914 | 1,680 | 1,306 | 0 | 0 |
| | | Total | 19,378 | 53,006 | 8,034 | 13,337 | 15,619 | 30,100 |

¹Catch of American Shad and Hickory Shad were calculated by assigning a ratio of observed shad by species to reported miscellaneous catch. PSEs are not available for shad.

²Creel sampling was suspended from March 18, 2020 through June 1, 2020, due to the State of North Carolina COVID-19 Safety Protocols

Table IV.12 Estimated average Striped Bass¹ catch (harvest + discard) per unit effort in number from the CSMA by month.

| Year | Month | Harvests per Trip | Discards per Trip | Total Caught per Trip |
|------|-----------|----------------------|----------------------|-----------------------------|
| 2023 | January | 0 | 0.36 | 0.36 |
| | February | 0 | 0.11 | 0.11 |
| | March | 0 | 0.12 | 0.12 |
| | April | 0 | 0.09 | 0.09 |
| | May | 0 | 0.14 | 0.14 |
| | June | 0 | 0.23 | 0.23 |
| | July | 0 | 0.19 | 0.19 |
| | August | 0 | 0.22 | 0.22 |
| | September | 0 | 0.02 | 0.02 |
| | October | 0 | 0.25 | 0.25 |
| | November | 0 | 0.04 | 0.04 |
| | December | 0 | 0.06 | 0.06 |
| | Annual | 0 | 0.16 | 0.16 |
| 2022 | January | 0 | 0.23 | 0.23 |
| | February | 0 | 0.34 | 0.34 |
| | March | 0 | 0.10 | 0.10 |
| | April | 0 | 0.32 | 0.32 |
| | May | 0 | 0.24 | 0.24 |
| | June | 0 | 0.46 | 0.46 |
| | July | 0 | 0.22 | 0.22 |
| | August | 0 | 0.43 | 0.43 |
| | September | 0 | 0.15 | 0.15 |
| | October | 0 | 0.06 | 0.06 |
| | November | 0 | 0.27 | 0.27 |
| | December | 0 | 0.35 | 0.35 |
| | Annual | 0 | 0.26 | 0.26 |
| 2021 | January | 0 | 0.34 | 0.34 |
| | February | 0 | 0.36 | 0.36 |
| | March | 0 | 0.04 | 0.04 |
| | April | 0 | 0.44 | 0.44 |
| | May | 0 | 0.29 | 0.29 |
| | June | 0 | 0.03 | 0.03 |
| | July | 0 | 0.34 | 0.34 |
| | August | 0 | 0.24 | 0.24 |
| | September | 0 | 0.12 | 0.12 |
| | October | 0 | 0.19 | 0.19 |
| | November | 0 | 0.13 | 0.13 |
| | December | 0 | 0.29 | 0.29 |
| | Annual | 0 | 0.22 | 0.22 |

¹ From March 2019 onward, harvest of Striped Bass in the CSMA is prohibited, and no harvest information was collected during this time.

² Creel sampling was suspended from March 18, 2020 through June 1, 2020, due to the State of North Carolina COVID-19 Safety Protocols.

Table IV.12 Estimated average Striped Bass¹ catch (harvest + discard) per unit effort in number from the CSMA by month (continued).

| Year | Month | Harvests per Trip | Discards per Trip | Total Caught per Trip |
|-------------------|-----------|----------------------|----------------------|-----------------------------|
| 2020 ² | January | 0 | 0.32 | 0.32 |
| | February | 0 | 0.14 | 0.14 |
| | March | 0 | 0.23 | 0.23 |
| | April | - | - | - |
| | May | - | - | - |
| | June | 0 | 0.22 | 0.22 |
| | July | 0 | 0.27 | 0.27 |
| | August | 0 | 0.35 | 0.35 |
| | September | 0 | 0.14 | 0.14 |
| | October | 0 | 0.09 | 0.09 |
| | November | 0 | 0.15 | 0.15 |
| | December | 0 | 0.21 | 0.21 |
| | Annual | 0 | 0.21 | 0.21 |
| 2019 | January | 0.11 | 1.01 | 1.12 |
| | February | 0.03 | 0.25 | 0.27 |
| | March | 0.01 | 0.37 | 0.38 |
| | April | 0 | 0.10 | 0.10 |
| | May | 0 | 0.32 | 0.32 |
| | June | 0 | 0.42 | 0.42 |
| | July | 0 | 0.17 | 0.17 |
| | August | 0 | 0.26 | 0.26 |
| | September | 0 | 0.34 | 0.34 |
| | October | 0 | 0.12 | 0.12 |
| | November | 0 | 1.18 | 1.18 |
| | December | <0.01 | 0.23 | 0.23 |
| | Annual | 0.01 | 0.33 | 0.34 |
| 2018 | January | 0.13 | 1.65 | 1.78 |
| | February | 0.06 | 0.24 | 0.31 |
| | March | 0.05 | 0.59 | 0.64 |
| | April | 0.06 | 0.19 | 0.25 |
| | May | 0 | 0.66 | 0.66 |
| | June | 0 | 0.56 | 0.56 |
| | July | 0 | 0.57 | 0.57 |
| | August | 0 | 0.61 | 0.61 |
| | September | 0 | 0.17 | 0.17 |
| | October | <0.01 | 0.35 | 0.35 |
| | November | 0.03 | 0.64 | 0.67 |
| | December | 0.08 | 1.66 | 1.73 |
| | Annual | 0.03 | 0.51 | 0.54 |

¹ From March 2019 onward, harvest of Striped Bass in the CSMA is prohibited, and no harvest information was collected during this time.

² Creel sampling was suspended from March 18, 2020 through June 1, 2020, due to the State of North Carolina COVID-19 Safety Protocols.

Table IV.12 Estimated average Striped Bass¹ catch (harvest + discard) per unit effort in number from the CSMA by month (continued).

| Year | Month | Harvests per Trip | Discards per Trip | Total Caught per Trip |
|------|-----------|----------------------|----------------------|-----------------------------|
| 2017 | January | 0.01 | 0.98 | 1.00 |
| | February | 0.07 | 0.92 | 0.98 |
| | March | 0.08 | 0.86 | 0.94 |
| | April | 0.08 | 0.91 | 0.99 |
| | May | 0 | 1.00 | 1.00 |
| | June | 0 | 1.00 | 1.00 |
| | July | 0 | 0.97 | 0.97 |
| | August | 0 | 1.00 | 1.00 |
| | September | <0.01 | 0.99 | 1.00 |
| | October | 0.12 | 0.85 | 0.97 |
| | November | 0.13 | 0.81 | 0.95 |
| | December | 0.19 | 0.78 | 0.98 |
| | Annual | 0.05 | 0.93 | 0.98 |
| 2016 | January | 0.27 | 2.34 | 2.61 |
| | February | 0.05 | 0.39 | 0.44 |
| | March | 0.03 | 0.34 | 0.36 |
| | April | 0.15 | 0.46 | 0.61 |
| | May | 0 | 0.39 | 0.39 |
| | June | 0 | 0.26 | 0.26 |
| | July | 0 | 0.31 | 0.31 |
| | August | 0 | 0.48 | 0.48 |
| | September | 0 | 0.65 | 0.65 |
| | October | 0.03 | 1.09 | 1.12 |
| | November | 0.03 | 0.92 | 0.95 |
| | December | 0.16 | 2.67 | 2.82 |
| | Annual | 0.06 | 0.65 | 0.71 |
| 2015 | January | 0.14 | 0.67 | 0.80 |
| | February | 0.18 | 0.54 | 0.72 |
| | March | 0.04 | 0.06 | 0.10 |
| | April | 0.03 | 0.10 | 0.13 |
| | May | 0 | 0.04 | 0.04 |
| | June | 0 | 0.13 | 0.13 |
| | July | 0 | 0.52 | 0.52 |
| | August | 0 | 0.04 | 0.04 |
| | September | 0 | 0.49 | 0.49 |
| | October | 0.04 | 0.58 | 0.62 |
| | November | 0.08 | 0.65 | 0.74 |
| | December | 0.12 | 1.12 | 1.24 |
| | Annual | 0.04 | 0.29 | 0.32 |

¹ From March 2019 onward, harvest of Striped Bass in the CSMA is prohibited, and no harvest information was collected during this time.

² Creel sampling was suspended from March 18, 2020 through June 1, 2020, due to the State of North Carolina COVID-19 Safety Protocols.

Table IV.12 Estimated average Striped Bass¹ catch (harvest + discard) per unit effort in number from the CSMA by month (*continued*).

| Year | Month | Harvests per Trip | Discards per Trip | Total Caught per Trip |
|------|-----------|----------------------|----------------------|-----------------------------|
| 2014 | January | 0.14 | 0.07 | 0.21 |
| | February | 0.06 | 0.15 | 0.21 |
| | March | 0.05 | 0.25 | 0.30 |
| | April | 0.04 | 0.23 | 0.27 |
| | May | 0 | 0.15 | 0.15 |
| | June | 0 | 0.17 | 0.17 |
| | July | 0 | 0.07 | 0.07 |
| | August | 0 | 0.47 | 0.47 |
| | September | 0 | 0.81 | 0.81 |
| | October | 0.01 | 0.37 | 0.39 |
| | November | 0.11 | 0.97 | 1.08 |
| | December | 0.05 | 0.64 | 0.69 |
| | Annual | | 0.04 | 0.32 |

¹ From March 2019 onward, harvest of Striped Bass in the CSMA is prohibited, and no harvest information was collected during this time.

² Creel sampling was suspended from March 18, 2020 through June 1, 2020, due to the State of North Carolina COVID-19 Safety Protocols.

Table IV.13 Number of observed anglers living in North Carolina by county of residency and river fished.

| Upper Neuse River County | 2023 | | 2022 | | 2021 | | 2020 | | 2019 | |
|-----------------------------|-----------|---------------|------------|---------------|------------|---------------|-----------|---------------|------------|---------------|
| | Num | % | Num | % | Num | % | Num | % | Num | % |
| Beaufort | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bladen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.97 |
| Brunswick | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Burke | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Camden | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Carteret | 0 | 0 | 1 | 0.78 | 0 | 0 | 0 | 0 | 0 | 0 |
| Chatham | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Craven | 0 | 0 | 0 | 0 | 1 | 0.8 | 0 | 0 | 0 | 0 |
| Cumberland | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Davidson | 0 | 0 | 0 | 0 | 2 | 1.68 | 0 | 0 | 0 | 0 |
| Duplin | 3 | 6.52 | 1 | 0.78 | 1 | 1 | 1 | 1.33 | 2 | 1.94 |
| Durham | 0 | 0 | 0 | 0 | 1 | 0.84 | 1 | 1.33 | 0 | 0 |
| Franklin | 0 | 0 | 1 | 0.78 | 0 | 0 | 0 | 0 | 0 | 0.0 |
| Graham | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Granville | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Greene | 0 | 0 | 0 | 0 | 1 | 0.84 | 0 | 0 | 0 | 0 |
| Guilford | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Halifax | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Harnett | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1.33 | 2 | 1.94 |
| Hyde | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Johnston | 7 | 15.22 | 21 | 16.28 | 28 | 23.53 | 22 | 29.33 | 12 | 11.65 |
| Lenoir | 0 | 0 | 1 | 0.78 | 2 | 1.68 | 0 | 0 | 1 | 0.97 |
| Mecklenburg | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nash | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 |
| New Hanover | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Onslow | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Orange | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 6.67 | 0 | 0 |
| Pitt | 0 | 0 | 2 | 1.55 | 0 | 0 | 0 | 0 | 0 | 0 |
| Robeson | 0 | 0 | 1 | 0.78 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sampson | 5 | 10.87 | 9 | 6.98 | 5 | 4.20 | 8 | 10.67 | 2 | 1.94 |
| Wake | 10 | 21.74 | 27 | 20.93 | 45 | 37.82 | 11 | 14.67 | 42 | 40.78 |
| Wayne | 21 | 45.65 | 64 | 49.61 | 31 | 26.05 | 25 | 33.33 | 41 | 39.81 |
| Wilson | 0 | 0 | 1 | 0.78 | 1 | 0.84 | 1 | 1.33 | 0 | 0 |
| Total | 46 | 100.00 | 129 | 100.00 | 119 | 100.00 | 75 | 100.00 | 103 | 100.00 |

Table IV.13 Number of observed anglers living in North Carolina by county of residency and river fished (continued).

| Upper Neuse River County | 2018 | | 2017 | | 2016 | | 2015 | | 2014 | |
|-----------------------------|-----------|---------------|-----------|---------------|-----------|---------------|------------|---------------|------------|---------------|
| | Num | % | Num | % | Num | % | Num | % | Num | % |
| Beaufort | 0 | 0 | 1 | 1.39 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bladen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Brunswick | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.88 |
| Burke | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1.77 |
| Camden | 0 | 0 | 1 | 1.39 | 0 | 0 | 0 | 0 | 0 | 0 |
| Carteret | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Chatham | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.88 |
| Craven | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cumberland | 0 | 0 | 2 | 2.78 | 1 | 1.03 | 1 | 0.73 | 0 | 0 |
| Davidson | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Duplin | 0 | 0 | 0 | 0 | 1 | 1.03 | 3 | 2.19 | 0 | 0 |
| Durham | 0 | 0 | 0 | 0 | 1 | 1.03 | 0 | 0 | 0 | 0 |
| Franklin | 1 | 1.05 | 0 | 0 | 0 | 0 | 3 | 2.19 | 0 | 0 |
| Graham | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.88 |
| Granville | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.73 | 0 | 0 |
| Greene | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Guilford | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1.77 |
| Halifax | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.73 | 0 | 0 |
| Harnett | 0 | 0 | 1 | 1.39 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hyde | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.73 | 0 | 0 |
| Johnston | 23 | 24.21 | 13 | 18.06 | 19 | 19.59 | 25 | 18.25 | 23 | 20.35 |
| Lenoir | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1.77 |
| Mecklenburg | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.73 | 0 | 0 |
| Nash | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| New Hanover | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.73 | 0 | 0 |
| Onslow | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1.46 | 0 | 0 |
| Orange | 1 | 1.05 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pitt | 0 | 0 | 0 | 0 | 1 | 1.03 | 0 | 0 | 0 | 0 |
| Robeson | 0 | 0 | 0 | 0 | 1 | 1.03 | 0 | 0 | 0 | 0 |
| Sampson | 3 | 3.16 | 1 | 1 | 0 | 0 | 2 | 1.46 | 2 | 1.77 |
| Wake | 33 | 34.74 | 18 | 25.00 | 43 | 44.33 | 45 | 32.85 | 39 | 34.51 |
| Wayne | 33 | 34.74 | 35 | 48.61 | 30 | 30.93 | 49 | 35.77 | 40 | 35.40 |
| Wilson | 1 | 1.05 | 0 | 0 | 0 | 0 | 2 | 1.46 | 0 | 0 |
| Total | 95 | 100.00 | 72 | 100.00 | 97 | 100.00 | 137 | 100.00 | 113 | 100.00 |

Table IV.13 Number of observed anglers living in North Carolina by county of residency and river fished (continued).

| Middle Neuse River | 2023 | | 2022 | | 2021 | | 2020 | | 2019 | |
|--------------------|------|-------|------|-------|------|-------|------|-------|------|-------|
| | Num | % | Num | % | Num | % | Num | % | Num | % |
| County | | | | | | | | | | |
| Beaufort | 2 | 2.53 | 0 | 0 | 1 | 0.61 | 2 | 1.63 | 3 | 1.05 |
| Bladen | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.81 | 0 | 0 |
| Carteret | 1 | 1.27 | 11 | 4.12 | 1 | 0.61 | 5 | 4.07 | 2 | 0.70 |
| Catawba | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.35 |
| Chatham | 0 | 0 | 0 | 0 | 1 | 0.61 | 0 | 0 | 0 | 0 |
| Craven | 6 | 7.59 | 47 | 17.60 | 11 | 6.75 | 8 | 6.50 | 54 | 18.82 |
| Cumberland | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.35 |
| Davidson | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Duplin | 7 | 8.86 | 6 | 2.25 | 8 | 5 | 4 | 3 | 15 | 5 |
| Edgecombe | 0 | 0 | 3 | 1.12 | 0 | 0 | 1 | 0.81 | 1 | 0.35 |
| Forsyth | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Franklin | 0 | 0 | 0 | 0 | 2 | 1.23 | 0 | 0 | 0 | 0 |
| Gates | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1.63 | 0 | 0 |
| Granville | 0 | 0 | 1 | 0.37 | 0 | 0 | 0 | 0 | 0 | 0 |
| Greene | 12 | 15.19 | 43 | 16.10 | 20 | 12.27 | 16 | 13.01 | 12 | 4.18 |
| Guilford | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Halifax | 0 | 0 | 1 | 0.37 | 0 | 0 | 0 | 0 | 0 | 0 |
| Harnett | 1 | 1.27 | 2 | 0.75 | 0 | 0 | 1 | 0.81 | 2 | 0.70 |
| Hoke | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hyde | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Johnston | 2 | 2.53 | 3 | 1.12 | 2 | 1.23 | 3 | 2.44 | 13 | 4.53 |
| Jones | 2 | 2.53 | 6 | 2.25 | 2 | 1.23 | 1 | 0.81 | 13 | 4.53 |
| Lee | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.81 | 0 | 0 |
| Lenoir | 16 | 20.25 | 68 | 25.47 | 44 | 26.99 | 38 | 30.89 | 76 | 26.48 |
| Martin | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.35 |
| Nash | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| New Hanover | 1 | 1.27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Onslow | 2 | 2.53 | 6 | 2.25 | 8 | 4.91 | 3 | 2.44 | 6 | 2.09 |
| Pamlico | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1.05 |
| Pasquotank | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.35 |
| Pender | 0 | 0 | 1 | 0.37 | 0 | 0 | 0 | 0 | 0 | 0 |
| Perquimans | 0 | 0 | 0 | 0 | 1 | 0.61 | 0 | 0 | 0 | 0 |
| Person | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.35 |

Table IV.13 Number of observed anglers living in North Carolina by county of residency and river fished (*continued*).

| Middle Neuse River | 2023 | | 2022 | | 2021 | | 2020 | | 2019 | |
|--------------------|-----------|---------------|------------|---------------|------------|---------------|------------|---------------|------------|---------------|
| | Num | % | Num | % | Num | % | Num | % | Num | % |
| County | | | | | | | | | | |
| Pitt | 16 | 20.25 | 44 | 16.48 | 53 | 32.52 | 24 | 19.51 | 53 | 18.47 |
| Robeson | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Transylvania | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sampson | 0 | 0 | 1 | 0.37 | 2 | 1.23 | 4 | 3.25 | 5 | 1.74 |
| Scotland | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wake | 2 | 2.53 | 4 | 1.50 | 2 | 1.23 | 0 | 0 | 2 | 1 |
| Washington | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wayne | 9 | 11.39 | 19 | 7.12 | 4 | 2.45 | 9 | 7.32 | 22 | 7.67 |
| Vance | 0 | 0 | 1 | 0.37 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wilson | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 79 | 100.00 | 267 | 100.00 | 163 | 100.00 | 123 | 100.00 | 287 | 100.00 |

Table IV.13 Number of observed anglers living in North Carolina by county of residency and river fished (continued).

| Middle Neuse River | 2018 | | 2017 | | 2016 | | 2015 | | 2014 | |
|--------------------|------|-------|------|-------|------|-------|------|-------|------|-------|
| | Num | % | Num | % | Num | % | Num | % | Num | % |
| County | | | | | | | | | | |
| Beaufort | 4 | 1.93 | 3 | 1.69 | 1 | 0.72 | 1 | 0.49 | 3 | 2.01 |
| Bladen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Carteret | 5 | 2.42 | 2 | 1.13 | 1 | 0.72 | 2 | 0.99 | 1 | 0.67 |
| Catawba | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Chatham | 1 | 0.48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Craven | 21 | 10.14 | 24 | 13.56 | 13 | 9.35 | 31 | 15.27 | 6 | 4.03 |
| Cumberland | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.49 | 0 | 0 |
| Davidson | 1 | 0.48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Duplin | 10 | 5 | 6 | 3 | 3 | 2 | 5 | 2.46 | 3 | 2 |
| Edgecombe | 2 | 0.97 | 1 | 0.56 | 1 | 0.72 | 0 | 0 | 0 | 0 |
| Forsyth | 0 | 0 | 1 | 0.56 | 0 | 0 | 0 | 0 | 0 | 0 |
| Franklin | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Gates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Granville | 1 | 0.48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Greene | 11 | 5.31 | 21 | 11.86 | 15 | 10.79 | 34 | 16.75 | 13 | 8.72 |
| Guilford | 1 | 0.48 | 1 | 0.56 | 0 | 0 | 0 | 0 | 0 | 0 |
| Halifax | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Harnett | 1 | 0.48 | 1 | 0.56 | 1 | 0.72 | 1 | 0.49 | 0 | 0 |
| Hoke | 1 | 0.48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hyde | 0 | 0 | 1 | 0.56 | 0 | 0 | 0 | 0 | 0 | 0 |
| Johnston | 3 | 1.45 | 3 | 1.69 | 3 | 2.16 | 4 | 1.97 | 3 | 2.01 |
| Jones | 6 | 2.90 | 4 | 2.26 | 5 | 3.60 | 6 | 2.96 | 8 | 5.37 |
| Lee | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Lenoir | 51 | 24.64 | 37 | 20.90 | 41 | 29.50 | 58 | 28.57 | 60 | 40.27 |
| Martin | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nash | 2 | 0.97 | 2 | 1.13 | 1 | 0.72 | 0 | 0 | 0 | 0 |
| New Hanover | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Onslow | 8 | 3.86 | 2 | 1.13 | 1 | 0.72 | 4 | 1.97 | 1 | 0.67 |
| Pamlico | 1 | 0.48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pasquotank | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pender | 1 | 0.48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Perquimans | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Person | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Table IV.13 Number of observed anglers living in North Carolina by county of residency and river fished (*continued*).

| Middle Neuse River | 2018 | | 2017 | | 2016 | | 2015 | | 2014 | |
|--------------------|------------|---------------|------------|---------------|------------|---------------|------------|---------------|------------|---------------|
| | Num | % | Num | % | Num | % | Num | % | Num | % |
| County | | | | | | | | | | |
| Pitt | 45 | 21.74 | 39 | 22.03 | 39 | 28.06 | 38 | 18.72 | 36 | 24.16 |
| Robeson | 1 | 0.48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Transylvania | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.49 | 0 | 0 |
| Sampson | 0 | 0 | 0 | 0 | 1 | 0.72 | 0 | 0 | 0 | 0 |
| Scotland | 1 | 0.48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wake | 4 | 1.93 | 9 | 5.08 | 0 | 0 | 1 | 0.49 | 0 | 0 |
| Washington | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.49 | 0 | 0 |
| Wayne | 25 | 12.08 | 18 | 10.17 | 11 | 7.91 | 14 | 6.90 | 15 | 10.07 |
| Vance | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wilson | 0 | 0 | 2 | 1.13 | 2 | 1.44 | 1 | 0.49 | 0 | 0 |
| Total | 207 | 100.00 | 177 | 100.00 | 139 | 100.00 | 203 | 100.00 | 149 | 100.00 |

Table IV.13 Number of observed anglers living in North Carolina by county of residency and river fished (continued).

| Lower Neuse River County | 2023 | | 2022 | | 2021 | | 2020 | | 2019 | |
|-----------------------------|------|-------|------|-------|------|-------|------|-------|------|-------|
| | Num | % | Num | % | Num | % | Num | % | Num | % |
| Alamance | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.17 | 2 | 0.23 |
| Ashe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Beaufort | 5 | 0.61 | 3 | 0.35 | 5 | 0.72 | 2 | 0.35 | 15 | 1.72 |
| Bertie | 0 | 0 | 0 | 0 | 1 | 0.14 | 0 | 0 | 0 | 0 |
| Brunswick | 3 | 0.36 | 2 | 0.23 | 2 | 0 | 0 | 0 | 0 | 0 |
| Cabarrus | 0 | 0 | 0 | 0 | 1 | 0.14 | 1 | 0.17 | 0 | 0 |
| Carteret | 23 | 2.79 | 22 | 2.54 | 15 | 2.17 | 6 | 1 | 16 | 1.84 |
| Catawba | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.11 |
| Chowan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Columbus | 0 | 0 | 3 | 0.35 | 0 | 0 | 0 | 0 | 5 | 0.57 |
| Chatham | 1 | 0.12 | 0 | 0 | 2 | 0.29 | 1 | 0.17 | 0 | 0 |
| Columbus | 9 | 1.09 | 0 | 0 | 7 | 1.01 | 1 | 0.17 | 0 | 0 |
| Craven | 295 | 35.84 | 311 | 35.87 | 260 | 37.57 | 227 | 39.62 | 370 | 42.53 |
| Cumberland | 0 | 0 | 6 | 0.69 | 1 | 0.14 | 2 | 0.35 | 5 | 0.57 |
| Currituck | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.11 |
| Davidson | 0 | 0 | 1 | 0.12 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dare | 0 | 0 | 1 | 0.12 | 0 | 0 | 0 | 0 | 0 | 0 |
| Duplin | 33 | 4.01 | 30 | 3.46 | 19 | 2.75 | 17 | 2.97 | 17 | 1.95 |
| Durham | 1 | 0.12 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.11 |
| Edgecombe | 2 | 0.24 | 0 | 0 | 1 | 0.14 | 2 | 0.35 | 1 | 0.11 |
| Franklin | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0.23 |
| Forsyth | 1 | 0.12 | 1 | 0.12 | 1 | 0.14 | 1 | 0.17 | 0 | 0 |
| Gaston | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Granville | 0 | 0 | 1 | 0.12 | 0 | 0 | 0 | 0 | 1 | 0.11 |
| Greene | 5 | 0.61 | 18 | 2.08 | 12 | 1.73 | 11 | 1.92 | 16 | 1.84 |
| Guilford | 0 | 0 | 2 | 0.23 | 0 | 0 | 0 | 0 | 2 | 0.23 |
| Halifax | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Harnett | 2 | 0.24 | 5 | 0.58 | 0 | 0 | 1 | 0 | 1 | 0.11 |
| Hertford | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Johnston | 13 | 1.58 | 19 | 2.19 | 9 | 1.30 | 11 | 1.92 | 8 | 0.92 |
| Jones | 79 | 9.60 | 67 | 7.73 | 55 | 7.95 | 35 | 6.11 | 62 | 7.13 |
| Lee | 1 | 0.12 | 1 | 0.12 | 0 | 0 | 0 | 0 | 0 | 0 |
| Lenoir | 59 | 7.17 | 83 | 9.57 | 59 | 8.53 | 55 | 9.60 | 61 | 7.01 |

Table IV.13 Number of observed anglers living in North Carolina by county of residency and river fished (continued).

| Lower Neuse River | 2023 | | 2022 | | 2021 | | 2020 | | 2019 | |
|-------------------|------------|---------------|------------|---------------|------------|---------------|------------|---------------|------------|---------------|
| | Num | % | Num | % | Num | % | Num | % | Num | % |
| County | | | | | | | | | | |
| Lincoln | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.17 | 0 | 0 |
| Martin | 2 | 0.24 | 1 | 0.12 | 0 | 0 | 1 | 0 | 2 | 0.23 |
| Mecklenburg | 1 | 0.12 | 1 | 0.12 | 0 | 0 | 0 | 0 | 1 | 0.11 |
| Moore | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.17 | 1 | 0.11 |
| Nash | 0 | 0 | 1 | 0.12 | 0 | 0 | 0 | 0 | 2 | 0.23 |
| New Hanover | 0 | 0 | 3 | 0.35 | 0 | 0 | 0 | 0 | 0 | 0 |
| Northampton | 0 | 0 | 1 | 0.12 | 0 | 0 | 0 | 0 | 0 | 0 |
| Onslow | 131 | 15.92 | 120 | 13.84 | 122 | 17.63 | 82 | 14.31 | 114 | 13.10 |
| Orange | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.17 | 0 | 0 |
| Pamlico | 37 | 4.50 | 41 | 4.73 | 32 | 4.60 | 31 | 5.41 | 42 | 4.83 |
| Pender | 3 | 0.36 | 2 | 0.23 | 1 | 0.14 | 2 | 0.35 | 2 | 0.23 |
| Pitt | 50 | 6.08 | 49 | 5.65 | 43 | 6.21 | 36 | 6.28 | 59 | 6.78 |
| Randolph | 1 | 0.12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rockingham | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Robeson | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sampson | 2 | 0.24 | 4 | 0.46 | 3 | 0.43 | 3 | 0.52 | 5 | 0.57 |
| Stokes | 1 | 0.12 | 1 | 0.12 | 0 | 0 | 0 | 0 | 0 | 0 |
| Union | 1 | 0.12 | 9 | 1.04 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wake | 12 | 1.46 | 1 | 0.12 | 9 | 1.30 | 5 | 0.87 | 9 | 1.03 |
| Warren | 0 | 0 | 56 | 6.46 | 0 | 0 | 0 | 0 | 0 | 0 |
| Watauga | 1 | 0.12 | 1 | 0.12 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wayne | 48 | 5.83 | 0 | 0 | 28 | 4.05 | 32 | 5.58 | 41 | 4.71 |
| Wilson | 1 | 0.12 | 0 | 0 | 4 | 0.58 | 3 | 0.52 | 5 | 0.57 |
| Yadkin | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.17 | 0 | 0 |
| Total | 823 | 100.00 | 867 | 100.00 | 692 | 100.00 | 573 | 100.00 | 870 | 100.00 |

Table IV.13 Number of observed anglers living in North Carolina by county of residency and river fished (continued).

| Lower Neuse River | 2018 | | 2017 | | 2016 | | 2015 | | 2014 | |
|-------------------|------|-------|------|-------|------|-------|------|-------|------|-------|
| | Num | % | Num | % | Num | % | Num | % | Num | % |
| County | | | | | | | | | | |
| Alamance | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ashe | 0 | 0 | 1 | 0.12 | 0 | 0 | 0 | 0 | 0 | 0 |
| Beaufort | 0 | 0 | 5 | 0.58 | 4 | 0.73 | 4 | 0.76 | 2 | 0.47 |
| Bertie | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Brunswick | 1 | 0.16 | 1 | 0.12 | 1 | 0.18 | 0 | 0 | 2 | 0.47 |
| Cabarrus | 1 | 0.16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Carteret | 13 | 2.12 | 21 | 2.45 | 13 | 2.37 | 12 | 2.27 | 14 | 3.30 |
| Catawba | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Chowan | 1 | 0.16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Columbus | 4 | 0.65 | 11 | 1.28 | 5 | 0.91 | 4 | 0.76 | 1 | 0.24 |
| Chatham | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Columbus | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Craven | 252 | 41.04 | 339 | 39.56 | 225 | 40.98 | 233 | 44.05 | 200 | 47.17 |
| Cumberland | 2 | 0.33 | 0 | 0 | 0 | 0 | 2 | 0.38 | 1 | 0.24 |
| Currituck | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Davidson | 0 | 0 | 1 | 0.12 | 0 | 0 | 0 | 0 | 1 | 0.24 |
| Dare | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Duplin | 27 | 4.40 | 22 | 2.57 | 12 | 2.19 | 9 | 1.70 | 3 | 0.71 |
| Durham | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Edgecombe | 2 | 0.33 | 1 | 0.12 | 0 | 0 | 0 | 0 | 2 | 0.47 |
| Franklin | 2 | 0.33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Forsyth | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0.57 | 0 | 0 |
| Gaston | 0 | 0 | 2 | 0.23 | 0 | 0 | 0 | 0 | 0 | 0 |
| Granville | 0 | 0 | 2 | 0.23 | 0 | 0 | 0 | 0 | 0 | 0 |
| Greene | 3 | 0.49 | 21 | 2.45 | 12 | 2.19 | 7 | 1.32 | 10 | 2.36 |
| Guilford | 1 | 0.16 | 0 | 0 | 0 | 0 | 2 | 0.38 | 0 | 0 |
| Halifax | 0 | 0 | 1 | 0.12 | 0 | 0 | 0 | 0 | 0 | 0 |
| Harnett | 1 | 0.16 | 2 | 0 | 1 | 0.18 | 1 | 0.19 | 2 | 0.47 |
| Hertford | 0 | 0 | 0 | 0 | 1 | 0.18 | 0 | 0 | 0 | 0 |
| Johnston | 7 | 1.14 | 10 | 1.17 | 2 | 0.36 | 6 | 1.13 | 10 | 2.36 |
| Jones | 60 | 9.77 | 56 | 6.53 | 42 | 7.65 | 37 | 6.99 | 23 | 5.42 |
| Lee | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Lenoir | 29 | 4.72 | 58 | 6.77 | 37 | 6.74 | 40 | 7.56 | 31 | 7.31 |

Table IV.13 Number of observed anglers living in North Carolina by county of residency and river fished (continued).

| Lower Neuse River | 2018 | | 2017 | | 2016 | | 2015 | | 2014 | |
|-------------------|------------|---------------|------------|---------------|------------|---------------|------------|---------------|------------|---------------|
| | Num | % | Num | % | Num | % | Num | % | Num | % |
| County | | | | | | | | | | |
| Lincoln | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Martin | 0 | 0 | 2 | 0.23 | 0 | 0 | 1 | 0.19 | 0 | 0 |
| Mecklenburg | 2 | 0.33 | 0 | 0 | 0 | 0 | 1 | 0.19 | 1 | 0.24 |
| Moore | 0 | 0 | 1 | 0.12 | 1 | 0.18 | 0 | 0 | 1 | 0.24 |
| Nash | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.19 | 0 | 0 |
| New Hanover | 0 | 0 | 5 | 0.58 | 3 | 0.55 | 2 | 0.38 | 0 | 0 |
| Northampton | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Onslow | 114 | 18.57 | 146 | 17.04 | 94 | 17.12 | 74 | 13.99 | 75 | 17.69 |
| Orange | 0 | 0 | 1 | 0.12 | 0 | 0 | 0 | 0 | 1 | 0.24 |
| Pamlico | 27 | 4.40 | 47 | 5.48 | 38 | 6.92 | 32 | 6.05 | 18 | 4.25 |
| Pender | 3 | 0.49 | 4 | 0.47 | 3 | 0.55 | 2 | 0.38 | 0 | 0 |
| Pitt | 32 | 5.21 | 54 | 6.30 | 28 | 5.10 | 28 | 5.29 | 9 | 2.12 |
| Randolph | 3 | 0.49 | 0 | 0 | 0 | 0 | 1 | 0.19 | 0 | 0 |
| Rockingham | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.19 | 0 | 0 |
| Robeson | 0 | 0 | 1 | 0.12 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sampson | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0.38 | 1 | 0.24 |
| Stokes | 0 | 0 | 0 | 0 | 1 | 0.18 | 0 | 0 | 0 | 0 |
| Union | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wake | 3 | 0.49 | 2 | 0.23 | 4 | 0.73 | 3 | 0.57 | 4 | 0.94 |
| Warren | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.24 |
| Watauga | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0.38 | 0 | 0 |
| Wayne | 24 | 3.91 | 39 | 4.55 | 16 | 2.91 | 16 | 3.02 | 6 | 1.42 |
| Wilson | 0 | 0 | 1 | 0.12 | 6 | 1.09 | 3 | 0.57 | 5 | 1.18 |
| Yadkin | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 614 | 100.00 | 857 | 100.00 | 549 | 100.00 | 529 | 100.00 | 424 | 100.00 |

Table IV.13 Number of observed anglers living in North Carolina by county of residency and river fished (continued).

| Upper Tar River | 2023 | | 2022 | | 2021 | | 2020 | | 2019 | |
|-----------------|-----------|---------------|------------|---------------|------------|---------------|-----------|---------------|------------|---------------|
| | Num | % | Num | % | Num | % | Num | % | Num | % |
| County | | | | | | | | | | |
| Beaufort | 1 | 1.56 | 3 | 1.42 | 1 | 0.34 | 1 | 1.39 | 2 | 1.00 |
| Bertie | 0 | 0 | 1 | 0.47 | 1 | 0.34 | 0 | 0 | 1 | 0.50 |
| Buncombe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Carteret | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Chatham | 0 | 0 | 0 | 0 | 1 | 0.34 | 0 | 0 | 0 | 0 |
| Craven | 1 | 1.56 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cumberland | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1.00 |
| Dare | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Duplin | 0 | 0 | 0 | 0 | 2 | 0.68 | 0 | 0 | 0 | 0 |
| Durham | 0 | 0 | 2 | 0.95 | 1 | 0 | 0 | 0 | 0 | 0 |
| Edgecombe | 35 | 54.69 | 74 | 35.07 | 117 | 39.66 | 26 | 36.11 | 74 | 37.00 |
| Franklin | 0 | 0 | 3 | 1.42 | 2 | 0.68 | 0 | 0 | 6 | 3.00 |
| Granville | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.50 |
| Greene | 2 | 3.13 | 2 | 0.95 | 5 | 1.69 | 0 | 0 | 1 | 0.50 |
| Guilford | 0 | 0 | 3 | 1.42 | 1 | 0 | 0 | 0 | 1 | 0.50 |
| Halifax | 0 | 0 | 0 | 0 | 4 | 1.36 | 0 | 0 | 1 | 0.50 |
| Harnett | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hertford | 0 | 0 | 1 | 0.47 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hyde | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Lee | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Johnston | 0 | 0 | 3 | 1.42 | 5 | 1.69 | 1 | 1.39 | 4 | 2 |
| Jones | 0 | 0 | 1 | 0.47 | 0 | 0 | 0 | 0 | 0 | 0 |
| Lenoir | 0 | 0 | 0 | 0 | 1 | 0.34 | 0 | 0 | 0 | 0 |
| Martin | 0 | 0 | 0 | 0 | 1 | 0.34 | 1 | 1.39 | 3 | 1.50 |
| Nash | 1 | 1.56 | 49 | 23.22 | 65 | 22.03 | 14 | 19.44 | 41 | 20.50 |
| New Hanover | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Northampton | 0 | 0 | 2 | 0.95 | 1 | 0.34 | 0 | 0 | 0 | 0 |
| Pender | 0 | 0.0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0.50 |
| Pitt | 23 | 35.94 | 47 | 22.27 | 50 | 16.95 | 25 | 34.72 | 33 | 16.50 |
| Randolph | 1 | 1.56 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sampson | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wake | 0 | 0 | 10 | 4.74 | 13 | 4.41 | 1 | 1.39 | 12 | 6.00 |
| Washington | 0 | 0 | 1 | 0.47 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wayne | 0 | 0 | 1 | 0.47 | 2 | 0.68 | 1 | 1.39 | 1 | 0.50 |
| Wilson | 0 | 0 | 8 | 3.79 | 21 | 7.12 | 2 | 2.78 | 16 | 8.00 |
| Total | 64 | 100.00 | 211 | 100.00 | 295 | 100.00 | 72 | 100.00 | 200 | 100.00 |

Table IV.13 Number of observed anglers living in North Carolina by county of residency and river fished (continued).

| Upper Tar River | 2018 | | 2017 | | 2016 | | 2015 | | 2014 | |
|-----------------|------------|---------------|------------|---------------|------------|---------------|------------|---------------|-----------|---------------|
| | Num | % | Num | % | Num | % | Num | % | Num | % |
| County | | | | | | | | | | |
| Beaufort | 1 | 0.61 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1.52 |
| Bertie | 0 | 0 | 0 | 0 | 1 | 0.65 | 0 | 0 | 0 | 0 |
| Buncombe | 0 | 0 | 0 | 0 | 1 | 0.65 | 0 | 0 | 0 | 0 |
| Carteret | 2 | 1.21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Chatham | 1 | 0.61 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Craven | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cumberland | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dare | 1 | 0.61 | 0 | 0 | 1 | 0.65 | 0 | 0 | 0 | 0 |
| Duplin | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Durham | 0 | 0 | 1 | 0.87 | 0 | 0 | 0 | 0 | 0 | 0 |
| Edgecombe | 80 | 48.48 | 65 | 56.52 | 70 | 45.16 | 124 | 54.87 | 33 | 50.00 |
| Franklin | 2 | 1.21 | 1 | 0.87 | 0 | 0 | 2 | 0.88 | 0 | 0 |
| Granville | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Greene | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 2.65 | 0 | 0 |
| Guilford | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Halifax | 0 | 0 | 1 | 0.87 | 2 | 1.29 | 0 | 0 | 0 | 0 |
| Harnett | 0 | 0 | 0 | 0 | 1 | 0.65 | 0 | 0 | 0 | 0 |
| Hertford | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hyde | 0 | 0 | 1 | 0.87 | 0 | 0 | 0 | 0 | 0 | 0 |
| Lee | 0 | 0 | 0 | 0 | 2 | 1.29 | 0 | 0 | 0 | 0 |
| Johnston | 3 | 1.82 | 3 | 2.61 | 0 | 0 | 2 | 0.88 | 0 | 0 |
| Jones | 1 | 0.61 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Lenoir | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Martin | 0 | 0 | 1 | 0.87 | 2 | 1.29 | 2 | 0.88 | 0 | 0 |
| Nash | 51 | 30.91 | 16 | 13.91 | 44 | 28.39 | 64 | 28.32 | 15 | 22.73 |
| New Hanover | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0.88 | 0 | 0 |
| Northampton | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pender | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pitt | 7 | 4.24 | 12 | 10.43 | 18 | 11.61 | 6 | 2.65 | 7 | 10.61 |
| Randolph | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sampson | 0 | 0 | 2 | 1.74 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wake | 4 | 2.42 | 4 | 3.48 | 5 | 3.23 | 8 | 3.54 | 3 | 4.55 |
| Washington | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wayne | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wilson | 12 | 7.27 | 8 | 6.96 | 8 | 5.16 | 10 | 4.42 | 7 | 10.61 |
| Total | 165 | 100.00 | 115 | 100.00 | 155 | 100.00 | 226 | 100.00 | 66 | 100.00 |

Table IV.13 Number of observed anglers living in North Carolina by county of residency and river fished (continued).

| Lower Tar/ Upper Pamlico River | 2023 | | 2022 | | 2021 | | 2020 | | 2019 | |
|--------------------------------|------|-------|------|-------|------|-------|------|-------|------|-------|
| | Num | % | Num | % | Num | % | Num | % | Num | % |
| County | | | | | | | | | | |
| Beaufort | 129 | 55.84 | 193 | 59.20 | 219 | 50.69 | 211 | 42.80 | 288 | 41.74 |
| Bertie | 0 | 0 | 0 | 0 | 1 | 0.23 | 4 | 0.81 | 3 | 0.43 |
| Bladen | 0 | 0 | 0 | 0 | 1 | 0.23 | 0 | 0 | 1 | 0.14 |
| Burke | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0.58 |
| Carteret | 0 | 0 | 1 | 0.31 | 0 | 0 | 2 | 0.41 | 0 | 0 |
| Catawba | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Chatham | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Craven | 0 | 0 | 6 | 1.84 | 4 | 0.93 | 0 | 0 | 0 | 0 |
| Chowan | 1 | 0.43 | 0 | 0 | 0 | 0 | 2 | 0.41 | 0 | 0 |
| Columbus | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0.61 | 3 | 0.43 |
| Craven | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 1.42 | 18 | 2.61 |
| Cumberland | 1 | 0.43 | 0 | 0 | 0 | 0 | 3 | 1 | 1 | 0 |
| Dare | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Davidson | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Duplin | 0 | 0 | 0 | 0 | 2 | 0.46 | 0 | 0 | 2 | 0.29 |
| Durham | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.20 | 0 | 0 |
| Edgecombe | 2 | 0.87 | 4 | 1.23 | 8 | 1.85 | 18 | 3.65 | 17 | 2.46 |
| Franklin | 0 | 0 | 1 | 0.31 | 0 | 0 | 0 | 0 | 1 | 0 |
| Granville | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Greene | 3 | 1.30 | 6 | 1.84 | 9 | 2.08 | 12 | 2.43 | 9 | 1.30 |
| Guilford | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Halifax | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.20 | 0 | 0 |
| Harnett | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0.61 | 0 | 0 |
| Haywood | 0 | 0 | 0 | 0 | 1 | 0.23 | 0 | 0 | 0 | 0 |
| Henderson | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hertford | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 4 | 0.58 |
| Hoke | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hyde | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| Johnston | 1 | 0.43 | 3 | 0.92 | 6 | 1.39 | 10 | 2.03 | 10 | 1.45 |
| Jones | 0 | 0 | 0 | 0 | 1 | 0.23 | 1 | 0.20 | 0 | 0 |
| Lee | 0 | 0 | 0 | 0 | 1 | 0.23 | 0 | 0 | 0 | 0 |
| Lenoir | 2 | 0.87 | 2 | 0.61 | 3 | 0.69 | 8 | 1.62 | 6 | 0.87 |
| Martin | 3 | 1.30 | 4 | 1.23 | 16 | 3.70 | 17 | 3.45 | 34 | 4.93 |

Table IV.13 Number of observed anglers living in North Carolina by county of residency and river fished (continued).

| Lower Tar/ Upper Pamlico River | 2023 | | 2022 | | 2021 | | 2020 | | 2019 | |
|--------------------------------|------------|---------------|------------|---------------|------------|---------------|------------|---------------|------------|---------------|
| | Num | % | Num | % | Num | % | Num | % | Num | % |
| County | | | | | | | | | | |
| McDowell | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.20 | 0 | 0 |
| Mecklenburg | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Moore | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.14 |
| Nash | 0 | 0 | 3 | 0.92 | 3 | 0.69 | 4 | 0.81 | 8 | 1.16 |
| New Hanover | 0 | 0 | 0 | 0 | 1 | 0.23 | 0 | 0 | 2 | 0.29 |
| Northampton | 0 | 0 | 1 | 0.31 | 0 | 0 | 0 | 0 | 0 | 0 |
| Onslow | 0 | 0 | 1 | 0.31 | 15 | 3.47 | 8 | 1.62 | 13 | 1.88 |
| Orange | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pamlico | 2 | 0.87 | 0 | 0 | 0 | 0 | 1 | 0.20 | 0 | 0 |
| Pasquotank | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pender | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0.43 |
| Perquimans | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.14 |
| Pitt | 84 | 36.36 | 83 | 25.46 | 129 | 29.86 | 155 | 31.44 | 218 | 31.59 |
| Robeson | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0.41 | 1 | 0 |
| Rockingham | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sampson | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.14 |
| Union | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.20 | 0 | 0 |
| Wake | 1 | 0.43 | 1 | 0.31 | 4 | 0.93 | 7 | 1.42 | 9 | 1.30 |
| Washington | 0 | 0 | 0 | 0 | 1 | 0.23 | 0 | 0 | 1 | 0.14 |
| Watauga | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wayne | 2 | 0.87 | 11 | 3.37 | 5 | 1.16 | 6 | 1.22 | 9 | 1.30 |
| Wilson | 0 | 0 | 6 | 1.84 | 2 | 0.46 | 4 | 0.81 | 20 | 2.90 |
| Yadkin | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 231 | 100.00 | 326 | 100.00 | 432 | 100.00 | 493 | 100.00 | 690 | 100.00 |

Table IV.13 Number of observed anglers living in North Carolina by county of residency and river fished (continued).

| Lower Tar/ Upper Pamlico River | 2018 | | 2017 | | 2016 | | 2015 | | 2014 | |
|--------------------------------|------|-------|------|-------|------|-------|------|-------|------|-------|
| | Num | % | Num | % | Num | % | Num | % | Num | % |
| County | | | | | | | | | | |
| Beaufort | 266 | 40.00 | 337 | 45.42 | 238 | 47.41 | 362 | 39.78 | 92 | 36.36 |
| Bertie | 7 | 1.05 | 7 | 0.94 | 1 | 0.20 | 6 | 0.66 | 0 | 0 |
| Bladen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Burke | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Carteret | 7 | 1.05 | 1 | 0.13 | 0 | 0 | 1 | 0.11 | 0 | 0 |
| Catawba | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0.22 | 0 | 0 |
| Chatham | 2 | 0.30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Craven | 0 | 0 | 0 | 0 | 5 | 1.00 | 0 | 0 | 0 | 0 |
| Chowan | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0.22 | 1 | 0.40 |
| Columbus | 3 | 0.45 | 1 | 0.13 | 0 | 0 | 2 | 0.22 | 0 | 0 |
| Craven | 23 | 3.46 | 12 | 1.62 | 0 | 0 | 14 | 1.54 | 3 | 1.19 |
| Cumberland | 0 | 0 | 2 | 0 | 0 | 0 | 4 | 0 | 2 | 0.79 |
| Dare | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.40 |
| Davidson | 0 | 0 | 0 | 0 | 1 | 0.20 | 0 | 0 | 0 | 0 |
| Duplin | 0 | 0 | 1 | 0.13 | 0 | 0 | 1 | 0.11 | 0 | 0 |
| Durham | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.11 | 0 | 0 |
| Edgecombe | 17 | 2.56 | 20 | 2.70 | 17 | 3.39 | 16 | 1.76 | 5 | 1.98 |
| Franklin | 0 | 0 | 2 | 0.27 | 0 | 0 | 1 | 0.11 | 0 | 0 |
| Granville | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Greene | 11 | 1.65 | 9 | 1.21 | 19 | 3.78 | 34 | 3.74 | 11 | 4.35 |
| Guilford | 1 | 0 | 0 | 0 | 1 | 0.20 | 2 | 0.22 | 0 | 0 |
| Halifax | 1 | 0.15 | 3 | 0.40 | 0 | 0 | 2 | 0.22 | 1 | 0.40 |
| Harnett | 2 | 0.30 | 1 | 0.13 | 0 | 0 | 0 | 0 | 1 | 0.40 |
| Haywood | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Henderson | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.11 | 0 | 0 |
| Hertford | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hoke | 1 | 0.15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hyde | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Johnston | 3 | 0.45 | 4 | 0.54 | 4 | 0.80 | 17 | 1.87 | 4 | 1.58 |
| Jones | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Lee | 0 | 0 | 1 | 0.13 | 0 | 0 | 0 | 0 | 0 | 0 |
| Lenoir | 9 | 1.35 | 7 | 0.94 | 7 | 1.39 | 7 | 0.77 | 0 | 0 |
| Martin | 25 | 3.76 | 42 | 5.66 | 26 | 5.18 | 36 | 3.96 | 11 | 4.35 |

Table IV.13 Number of observed anglers living in North Carolina by county of residency and river fished (continued).

| Lower Tar/ Upper Pamlico River | 2018 | | 2017 | | 2016 | | 2015 | | 2014 | |
|--------------------------------|------------|---------------|------------|---------------|------------|---------------|------------|---------------|------------|---------------|
| | Num | % | Num | % | Num | % | Num | % | Num | % |
| County | | | | | | | | | | |
| McDowell | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mecklenburg | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.40 |
| Moore | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nash | 8 | 1.20 | 11 | 1.48 | 7 | 1.39 | 12 | 1.32 | 6 | 2.37 |
| New Hanover | 0 | 0 | 2 | 0.27 | 0 | 0 | 1 | 0.11 | 0 | 0 |
| Northampton | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Onslow | 21 | 3.16 | 9 | 1.21 | 3 | 0.60 | 44 | 4.84 | 1 | 0.40 |
| Orange | 0 | 0 | 1 | 0.13 | 1 | 0.20 | 0 | 0 | 0 | 0 |
| Pamlico | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.11 | 0 | 0 |
| Pasquotank | 1 | 0.15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pender | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.11 | 0 | 0 |
| Perquimans | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pitt | 219 | 32.93 | 229 | 30.86 | 147 | 29.28 | 268 | 29.45 | 98 | 38.74 |
| Robeson | 2 | 0.30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rockingham | 1 | 0.15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sampson | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Union | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wake | 8 | 1.20 | 11 | 1.48 | 3 | 0.60 | 7 | 0.77 | 4 | 1.58 |
| Washington | 0 | 0 | 1 | 0.13 | 2 | 0.40 | 0 | 0 | 0 | 0 |
| Watauga | 0 | 0 | 0 | 0 | 1 | 0.20 | 0 | 0 | 0 | 0 |
| Wayne | 5 | 0.75 | 12 | 1.62 | 3 | 0.60 | 26 | 2.86 | 2 | 0.79 |
| Wilson | 18 | 2.71 | 14 | 1.89 | 16 | 3.19 | 39 | 4.29 | 9 | 3.56 |
| Yadkin | 0 | 0 | 1 | 0.13 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 665 | 100.00 | 742 | 100.00 | 502 | 100.00 | 910 | 100.00 | 253 | 100.00 |

Table IV.13 Number of observed anglers living in North Carolina by county of residency and river fished (continued).

| Pungo River | 2023 | | 2022 | | 2021 | | 2020 | | 2019 | |
|---------------|------|-------|------|-------|------|-------|------|-------|------|-------|
| | Num | % | Num | % | Num | % | Num | % | Num | % |
| County | | | | | | | | | | |
| Alamance | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Alexander | 0 | 0 | 1 | 0.16 | 1 | 0.14 | 0 | 0 | 0 | 0 |
| Ashe | 1 | 0.15 | 0 | 0 | 1 | 0.14 | 0 | 0 | 0 | 0 |
| Beaufort | 199 | 30.71 | 212 | 33.44 | 250 | 35.06 | 214 | 37.74 | 135 | 30.89 |
| Bertie | 13 | 2.01 | 22 | 3.47 | 15 | 2.10 | 9 | 1.59 | 9 | 2.06 |
| Bladen | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.18 | 0 | 0 |
| Brunswick | 0 | 0 | 0 | 0 | 2 | 0.28 | 1 | 0.18 | 0 | 0 |
| Burke | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.23 |
| Cabarrus | 0 | 0 | 2 | 0.32 | 0 | 0 | 1 | 0.18 | 0 | 0 |
| Caldwell | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Camden | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Carteret | 3 | 0.46 | 1 | 0.16 | 0 | 0 | 1 | 0.18 | 0 | 0 |
| Chatham | 1 | 0.15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Chowan | 7 | 1.08 | 3 | 0 | 7 | 0.98 | 5 | 0.88 | 5 | 1.14 |
| Craven | 4 | 0.62 | 3 | 0 | 6 | 0.84 | 3 | 0.53 | 2 | 0.46 |
| Cumberland | 0 | 0 | 2 | 0.32 | 1 | 0 | 1 | 0 | 1 | 0.23 |
| Currituck | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.23 |
| Dare | 4 | 0.62 | 5 | 0.79 | 2 | 0.28 | 0 | 0 | 0 | 0 |
| Davidson | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0.23 |
| Davie | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Duplin | 3 | 0.46 | 3 | 0.47 | 1 | 0.14 | 0 | 0 | 1 | 0.23 |
| Durham | 0 | 0 | 1 | 0.16 | 0 | 0 | 0 | 0 | 2 | 0.46 |
| Edgecombe | 48 | 7.41 | 52 | 8.20 | 57 | 7.99 | 46 | 8.11 | 35 | 8.01 |
| Forsyth | 1 | 0.15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Franklin | 0 | 0 | 1 | 0.16 | 2 | 0.28 | 2 | 0.35 | 2 | 0.46 |
| Gates | 0 | 0 | 1 | 0.16 | 0 | 0 | 1 | 0.18 | 0 | 0 |
| Granville | 0 | 0 | 1 | 0 | 2 | 0.28 | 1 | 0 | 0 | 0 |
| Greene | 10 | 1.54 | 8 | 1.26 | 8 | 1.12 | 8 | 1.41 | 7 | 1.60 |
| Guilford | 4 | 0.62 | 1 | 0.16 | 1 | 0.14 | 1 | 0.18 | 0 | 0 |
| Halifax | 1 | 0.15 | 1 | 0.16 | 1 | 0.14 | 3 | 0.53 | 1 | 0.23 |
| Harnett | 1 | 0.15 | 1 | 0.16 | 1 | 0.14 | 0 | 0 | 0 | 0 |
| Hertford | 2 | 0.31 | 1 | 0.16 | 3 | 0.42 | 2 | 0.35 | 0 | 0 |
| Hyde | 6 | 0.93 | 6 | 0.95 | 0 | 0 | 3 | 0.53 | 1 | 0.23 |

Table IV.13 Number of observed anglers living in North Carolina by county of residency and river fished (continued).

| Pungo River | 2023 | | 2022 | | 2021 | | 2020 | | 2019 | |
|---------------|------------|---------------|------------|---------------|------------|---------------|------------|---------------|------------|---------------|
| | Num | % | Num | % | Num | % | Num | % | Num | % |
| County | | | | | | | | | | |
| Johnston | 11 | 1.70 | 15 | 2.37 | 10 | 1.40 | 4 | 0.71 | 11 | 2.52 |
| Jones | 1 | 0.15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Lee | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Lenoir | 4 | 0.62 | 10 | 1.58 | 7 | 0.98 | 2 | 0.35 | 1 | 0.23 |
| Martin | 35 | 5.40 | 23 | 3.63 | 43 | 6.03 | 36 | 6.35 | 23 | 5.26 |
| Mecklenburg | 0 | 0 | 2 | 0.32 | 0 | 0 | 1 | 0.18 | 0 | 0 |
| Moore | 0 | 0 | 3 | 0.47 | 2 | 0.28 | 0 | 0 | 0 | 0 |
| Nash | 17 | 2.62 | 16 | 2.52 | 30 | 4.21 | 21 | 3.70 | 16 | 3.66 |
| New Hanover | 3 | 0.46 | 2 | 0.32 | 3 | 0.42 | 0 | 0 | 0 | 0 |
| Northampton | 0 | 0 | 1 | 0.16 | 0 | 0 | 0 | 0 | 0 | 0 |
| Onslow | 3 | 0.46 | 1 | 0.16 | 2 | 0.28 | 1 | 0.18 | 0 | 0 |
| Orange | 0 | 0 | 2 | 0.32 | 1 | 0.14 | 0 | 0 | 1 | 0.23 |
| Pamlico | 0 | 0 | 0 | 0 | 1 | 0.14 | 0 | 0 | 0 | 0 |
| Pasquotank | 0 | 0 | 0 | 0 | 1 | 0.14 | 1 | 0.18 | 0 | 0 |
| Pender | 0 | 0 | 2 | 0.32 | 1 | 0.14 | 0 | 0 | 1 | 0.23 |
| Perquimans | 2 | 0.31 | 2 | 0.32 | 0 | 0 | 0 | 0 | 1 | 0.23 |
| Pitt | 165 | 25.46 | 144 | 22.71 | 150 | 21.04 | 121 | 21.34 | 130 | 29.75 |
| Randolph | 0 | 0 | 0 | 0 | 1 | 0.14 | 0 | 0 | 1 | 0.23 |
| Rockingham | 0 | 0 | 0 | 0 | 1 | 0.14 | 0 | 0 | 0 | 0 |
| Sampson | 5 | 0.77 | 1 | 0.16 | 3 | 0 | 0 | 0 | 0 | 0 |
| Stokes | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0.35 | 0 | 0 |
| Union | 1 | 0.15 | 0 | 0 | 1 | 0.14 | 0 | 0 | 0 | 0 |
| Vance | 0 | 0 | 1 | 0.16 | 1 | 0.14 | 0 | 0 | 0 | 0 |
| Wake | 17 | 2.62 | 21 | 3.31 | 23 | 3.23 | 13 | 2.29 | 18 | 4.12 |
| Washington | 14 | 2.16 | 13 | 2.05 | 20 | 2.81 | 16 | 2.82 | 7 | 1.60 |
| Watauga | 0 | 0 | 0 | 0 | 1 | 0.14 | 0 | 0 | 0 | 0 |
| Wayne | 26 | 4.01 | 14 | 2.21 | 21 | 2.95 | 12 | 2.12 | 6 | 1.37 |
| Wilson | 36 | 5.56 | 33 | 5.21 | 26 | 3.65 | 34 | 6.00 | 17 | 3.89 |
| Yadkin | 0 | 0 | 0 | 0 | 1 | 0.14 | 0 | 0 | 0 | 0 |
| Total | 648 | 100.00 | 634 | 100.00 | 713 | 100.00 | 567 | 100.00 | 437 | 100.00 |

Table IV.13 Number of observed anglers living in North Carolina by county of residency and river fished (continued).

| Pungo River | 2018 | | 2017 | | 2016 | | 2015 | | 2014 | |
|---------------|------|-------|------|-------|------|-------|------|-------|------|-------|
| | Num | % | Num | % | Num | % | Num | % | Num | % |
| County | | | | | | | | | | |
| Alamance | 1 | 0.33 | 0 | 0 | 0 | 0 | 1 | 0.30 | 0 | 0 |
| Alexander | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ashe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Beaufort | 107 | 34.97 | 157 | 38.48 | 164 | 43.97 | 110 | 33.03 | 63 | 41.18 |
| Bertie | 1 | 0.33 | 8 | 1.96 | 0 | 0 | 9 | 2.70 | 2 | 1.31 |
| Bladen | 0 | 0 | 1 | 0.25 | 0 | 0 | 0 | 0 | 0 | 0 |
| Brunswick | 1 | 0.33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Burke | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cabarrus | 0 | 0 | 1 | 0.25 | 1 | 0.27 | 0 | 0 | 0 | 0 |
| Caldwell | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.30 | 0 | 0 |
| Camden | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.30 | 0 | 0 |
| Carteret | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Chatham | 2 | 0.65 | 0 | 0 | 1 | 0.27 | 0 | 0 | 0 | 0 |
| Chowan | 0 | 0 | 0 | 0 | 3 | 0.80 | 0 | 0 | 2 | 1.31 |
| Craven | 3 | 0.98 | 5 | 1.23 | 0 | 0 | 2 | 0.60 | 1 | 0.65 |
| Cumberland | 0 | 0 | 0 | 0 | 2 | 0.54 | 1 | 0.30 | 0 | 0 |
| Currituck | 0 | 0 | 1 | 0.25 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dare | 1 | 0.33 | 0 | 0 | 1 | 0.27 | 1 | 0.30 | 0 | 0 |
| Davidson | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Davie | 1 | 0.33 | 2 | 0.49 | 0 | 0 | 0 | 0 | 0 | 0 |
| Duplin | 1 | 0.33 | 1 | 0.25 | 0 | 0 | 0 | 0 | 0 | 0 |
| Durham | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.30 | 1 | 0.65 |
| Edgecombe | 21 | 6.86 | 34 | 8.33 | 28 | 7.51 | 37 | 11.11 | 15 | 9.80 |
| Forsyth | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0.60 | 0 | 0 |
| Franklin | 0 | 0 | 6 | 1.47 | 0 | 0 | 1 | 0.30 | 0 | 0 |
| Gates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Granville | 0 | 0 | 1 | 0.25 | 1 | 0.27 | 0 | 0 | 0 | 0 |
| Greene | 2 | 0.65 | 5 | 1.23 | 0 | 0 | 2 | 0.60 | 2 | 1.31 |
| Guilford | 2 | 0.65 | 2 | 0.49 | 0 | 0 | 0 | 0 | 0 | 0 |
| Halifax | 0 | 0 | 1 | 0.25 | 0 | 0 | 0 | 0 | 0 | 0 |
| Harnett | 1 | 0.33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hertford | 1 | 0.33 | 1 | 0.25 | 2 | 0.54 | 0 | 0 | 2 | 1.31 |
| Hyde | 2 | 0.65 | 6 | 1.47 | 4 | 1.07 | 6 | 1.80 | 0 | 0 |

Table IV.13 Number of observed anglers living in North Carolina by county of residency and river fished (continued).

| Pungo River | 2018 | | 2017 | | 2016 | | 2015 | | 2014 | |
|---------------|------------|---------------|------------|---------------|------------|---------------|------------|---------------|------------|---------------|
| | Num | % | Num | % | Num | % | Num | % | Num | % |
| County | | | | | | | | | | |
| Johnston | 6 | 1.96 | 5 | 1.23 | 8 | 2.14 | 4 | 1.20 | 1 | 0.65 |
| Jones | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.65 |
| Lee | 1 | 0.33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Lenoir | 3 | 0.98 | 1 | 0.25 | 2 | 0.54 | 2 | 0.60 | 0 | 0 |
| Martin | 19 | 6.21 | 22 | 5.39 | 24 | 6.43 | 16 | 4.80 | 4 | 2.61 |
| Mecklenburg | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Moore | 0 | 0 | 1 | 0.25 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nash | 14 | 4.58 | 16 | 3.92 | 17 | 4.56 | 9 | 2.70 | 9 | 5.88 |
| New Hanover | 0 | 0 | 0 | 0 | 1 | 0.27 | 0 | 0 | 0 | 0 |
| Northampton | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Onslow | 1 | 0.33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Orange | 0 | 0 | 0 | 0 | 1 | 0.27 | 0 | 0 | 0 | 0 |
| Pamlico | 1 | 0.33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pasquotank | 0 | 0 | 1 | 0.25 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pender | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Perquimans | 0 | 0 | 1 | 0.25 | 3 | 0.80 | 1 | 0.30 | 0 | 0 |
| Pitt | 67 | 21.90 | 71 | 17.40 | 68 | 18.23 | 64 | 19.22 | 28 | 18.30 |
| Randolph | 0 | 0 | 0 | 0 | 1 | 0.27 | 0 | 0 | 0 | 0 |
| Rockingham | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sampson | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Stokes | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Union | 1 | 0.33 | 0 | 0 | 0 | 0 | 2 | 0.60 | 0 | 0 |
| Vance | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wake | 15 | 4.90 | 20 | 4.90 | 10 | 2.68 | 15 | 4.50 | 10 | 6.54 |
| Washington | 4 | 1.31 | 14 | 3.43 | 13 | 3.49 | 11 | 3.30 | 5 | 3.27 |
| Watauga | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wayne | 4 | 1.31 | 3 | 0.74 | 5 | 1.34 | 11 | 3.30 | 2 | 1.31 |
| Wilson | 23 | 7.52 | 21 | 5.15 | 12 | 3.22 | 23 | 6.91 | 5 | 3.27 |
| Yadkin | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 306 | 100.00 | 408 | 100.00 | 373 | 100.00 | 333 | 100.00 | 153 | 100.00 |

Table IV.14 Mean¹ reported angler expenditures by river and expense type.

| Year | Expenditure | Cape Fear ² | Upper Neuse | Middle Neuse | Lower Neuse | Upper Tar | Lower Tar/ Upper Pamlico | Pungo | All CSMA |
|-------------------|------------------------|------------------------|-------------|--------------|-------------|-----------|-----------------------------|---------|----------|
| 2023 | Miles Traveled | 22.63 | 13.88 | 29.88 | 35.90 | 13.92 | 17.18 | 57.00 | 36.60 |
| | Food Cost | \$6.94 | \$6.11 | \$8.19 | \$7.59 | \$3.55 | \$2.07 | \$17.40 | \$8.79 |
| | Ice Cost | \$2.22 | \$0.58 | \$1.19 | \$1.02 | \$0.00 | \$3.05 | \$1.59 | \$1.20 |
| | Bait Cost | \$7.83 | \$4.19 | \$1.01 | \$1.93 | \$3.17 | \$2.81 | \$0.43 | \$1.90 |
| | Boat Fuel and Oil Cost | \$27.56 | \$8.43 | \$11.12 | \$14.39 | \$2.31 | \$19.61 | \$24.87 | \$16.35 |
| | Total | \$44.55 | \$19.32 | \$21.51 | \$24.93 | \$9.03 | \$27.54 | \$44.29 | \$28.22 |
| 2022 | Miles Traveled | 16.25 | 12.88 | 26.91 | 37.81 | 19.66 | 28.99 | 62.98 | 35.97 |
| | Food Cost | \$8.83 | \$4.72 | \$6.79 | \$7.81 | \$6.19 | \$7.06 | \$22.55 | \$9.45 |
| | Ice Cost | \$2.93 | \$0.38 | \$0.80 | \$0.90 | \$0.34 | \$2.77 | \$2.78 | \$1.28 |
| | Bait Cost | \$7.00 | \$2.61 | \$1.91 | \$1.78 | \$0.69 | \$5.94 | \$1.21 | \$2.07 |
| | Boat Fuel and Oil Cost | \$28.04 | \$8.40 | \$11.16 | \$17.30 | \$9.98 | \$16.97 | \$29.19 | \$18.56 |
| | Total | \$46.80 | \$16.10 | \$20.65 | \$27.80 | \$17.19 | \$32.75 | \$55.74 | \$31.36 |
| 2021 | Miles Traveled | 35.53 | 17.02 | 27.67 | 33.05 | 8.77 | 30.91 | 50.11 | 35.10 |
| | Food Cost | \$16.86 | \$4.89 | \$9.53 | \$5.68 | \$0.00 | \$7.91 | \$8.18 | \$7.01 |
| | Ice Cost | \$1.36 | \$0.26 | \$0.79 | \$0.89 | \$0.96 | \$1.39 | \$1.95 | \$1.21 |
| | Bait Cost | \$2.36 | \$2.40 | \$0.04 | \$1.76 | \$0.00 | \$2.72 | \$3.10 | \$2.14 |
| | Boat Fuel and Oil Cost | \$7.33 | \$3.88 | \$8.39 | \$10.07 | \$0.00 | \$12.19 | \$15.26 | \$11.69 |
| | Total | \$27.90 | \$11.42 | \$18.75 | \$18.40 | \$0.96 | \$24.22 | \$28.49 | \$22.05 |
| 2020 ³ | Miles Traveled | 35.53 | 17.02 | 27.67 | 33.05 | 8.77 | 30.91 | 50.11 | 35.10 |
| | Food Cost | \$16.86 | \$4.89 | \$9.53 | \$5.68 | \$0.00 | \$7.91 | \$8.18 | \$7.01 |
| | Ice Cost | \$1.36 | \$0.26 | \$0.79 | \$0.89 | \$0.96 | \$1.39 | \$1.95 | \$1.21 |
| | Bait Cost | \$2.36 | \$2.40 | \$0.04 | \$1.76 | \$0.00 | \$2.72 | \$3.10 | \$2.14 |
| | Boat Fuel and Oil Cost | \$7.33 | \$3.88 | \$8.39 | \$10.07 | \$0.00 | \$12.19 | \$15.26 | \$11.69 |
| | Total | \$27.90 | \$11.42 | \$18.75 | \$18.40 | \$0.96 | \$24.22 | \$28.49 | \$22.05 |
| 2019 | Miles Traveled | 36.01 | 12.21 | 25.14 | 28.35 | 18.81 | 29.27 | 51.65 | 30.87 |
| | Food Cost | \$7.04 | \$1.37 | \$8.10 | \$7.49 | \$3.11 | \$5.09 | \$7.83 | \$6.50 |
| | Ice Cost | \$0.50 | \$0.37 | \$1.19 | \$0.81 | \$0.49 | \$0.65 | \$1.92 | \$0.96 |
| | Bait Cost | \$0.83 | \$2.42 | \$1.57 | \$4.47 | \$2.36 | \$4.68 | \$0.93 | \$3.19 |
| | Boat Fuel and Oil Cost | \$7.14 | \$2.67 | \$7.27 | \$13.86 | \$4.26 | \$11.93 | \$19.35 | \$13.31 |
| | Total | \$15.51 | \$6.83 | \$18.13 | \$26.63 | \$10.21 | \$22.35 | \$30.03 | \$23.96 |
| 2018 | Miles Traveled | 28.08 | 11.62 | 27.74 | 25.39 | 16.77 | 27.92 | 52.08 | 29.18 |
| | Food Cost | \$6.44 | \$0.53 | \$6.99 | \$5.85 | \$0.71 | \$6.21 | \$8.76 | \$5.93 |
| | Ice Cost | \$0.42 | \$0.27 | \$1.07 | \$1.27 | \$0.07 | \$0.91 | \$1.60 | \$1.01 |
| | Bait Cost | \$1.68 | \$3.97 | \$1.08 | \$2.93 | \$0.23 | \$3.41 | \$1.63 | \$2.41 |
| | Boat Fuel and Oil Cost | \$8.40 | \$5.21 | \$8.31 | \$12.68 | \$2.10 | \$14.08 | \$17.52 | \$12.81 |
| | Total | \$16.93 | \$9.98 | \$17.45 | \$22.73 | \$3.11 | \$24.61 | \$29.52 | \$22.16 |

¹Means reported include expenditures greater than or equal to zero dollars "\$0.00." Lodging not included because of low response rate.

²Cape Fear data only sampled from March–May.

³Creel sampling was suspended from March 18, 2020 through June 1, 2020, due to the State of North Carolina COVID-19 Safety Protocols.

Table IV.14 Mean¹ reported angler expenditures by river and expense type (continued).

| Year | Expenditure | Cape Fear ² | Upper Neuse | Middle Neuse | Lower Neuse | Upper Tar | Lower Tar/ Upper Pamlico | Pungo | All CSMA |
|------|------------------------|------------------------|----------------|----------------|----------------|----------------|-----------------------------|----------------|----------------|
| 2017 | Miles Traveled | 32.50 | 10.85 | 29.12 | 27.11 | 14.86 | 26.71 | 47.05 | 29.57 |
| | Food Cost | \$4.48 | \$5.27 | \$8.80 | \$6.20 | \$1.50 | \$6.76 | \$11.55 | \$7.14 |
| | Ice Cost | \$0.56 | \$0.89 | \$0.89 | \$1.00 | \$0.30 | \$0.95 | \$1.61 | \$1.03 |
| | Bait Cost | \$3.83 | \$2.38 | \$1.13 | \$2.51 | \$2.00 | \$4.89 | \$2.14 | \$2.92 |
| | Boat Fuel and Oil Cost | \$10.48 | \$3.64 | \$7.33 | \$11.15 | \$6.79 | \$11.29 | \$16.50 | \$11.64 |
| | Total | \$19.35 | \$12.17 | \$18.15 | \$20.85 | \$10.59 | \$23.89 | \$31.80 | \$22.74 |
| 2016 | Miles Traveled | 26.70 | 12.70 | 18.40 | 23.90 | 16.30 | 28.90 | 42.40 | 27.50 |
| | Food Cost | \$7.25 | \$4.34 | \$5.79 | \$4.78 | \$3.90 | \$5.94 | \$9.82 | \$6.25 |
| | Ice Cost | \$1.06 | \$0.35 | \$0.53 | \$0.76 | \$0.67 | \$0.87 | \$1.53 | \$0.92 |
| | Bait Cost | \$5.89 | \$0.98 | \$3.00 | \$3.32 | \$0.69 | \$3.13 | \$0.59 | \$2.63 |
| | Boat Fuel and Oil Cost | \$8.70 | \$2.85 | \$6.31 | \$9.28 | \$15.24 | \$11.25 | \$14.01 | \$10.80 |
| | Total | \$22.90 | \$8.53 | \$15.63 | \$18.13 | \$20.50 | \$21.19 | \$25.94 | \$20.59 |
| 2015 | Miles Traveled | 32.07 | 12.96 | 19.67 | 26.44 | 13.00 | 31.71 | 48.85 | 29.14 |
| | Food Cost | \$12.70 | \$3.36 | \$5.57 | \$5.13 | \$1.40 | \$7.58 | \$9.55 | \$6.46 |
| | Ice Cost | \$2.14 | \$0.28 | \$0.78 | \$0.82 | \$0.35 | \$1.03 | \$1.53 | \$0.94 |
| | Bait Cost | \$11.43 | \$1.42 | \$4.73 | \$3.74 | \$0.51 | \$2.61 | \$0.87 | \$2.74 |
| | Boat Fuel and Oil Cost | \$12.10 | \$6.53 | \$8.35 | \$9.11 | \$4.66 | \$13.72 | \$12.70 | \$11.46 |
| | Total | \$38.37 | \$11.59 | \$19.43 | \$18.81 | \$6.91 | \$24.93 | \$24.65 | \$21.60 |
| 2014 | Miles Traveled | 28.56 | 10.93 | 15.36 | 27.19 | 13.13 | 27.47 | 57.14 | 30.19 |
| | Food Cost | \$5.14 | \$5.09 | \$5.45 | \$5.60 | \$0.59 | \$7.32 | \$19.62 | \$8.16 |
| | Ice Cost | \$0.73 | \$0.42 | \$0.49 | \$0.82 | \$0.00 | \$0.80 | \$2.25 | \$0.98 |
| | Bait Cost | \$2.64 | \$1.62 | \$0.71 | \$3.78 | \$0.17 | \$1.76 | \$1.59 | \$2.34 |
| | Boat Fuel and Oil Cost | \$9.71 | \$6.47 | \$8.83 | \$16.14 | \$2.20 | \$12.96 | \$20.16 | \$14.92 |
| | Total | \$18.22 | \$13.60 | \$15.49 | \$26.34 | \$2.96 | \$22.85 | \$43.61 | \$26.40 |

¹Means reported include expenditures greater than or equal to zero dollars "\$0.00." Lodging not included because of low response rate.

²Cape Fear data only sampled from March–May.

³Creel sampling was suspended from March 18, 2020 through June 1, 2020, due to the State of North Carolina COVID-19 Safety Protocols.

| River Zones | |
|--------------------------------------|--------------------------|
| Upper Tar River | Upper Neuse River |
| Battle Park | Milburnie Park |
| Dunbar | Anderson Point Park |
| Bell's Bridge Tarboro | Smithfield |
| River Bend Park Tarboro | Richardson's Bridge |
| Old Sparta | Williford Road |
| Falkland Ramp | Cox's Ferry |
| Hwy 97 Canoe Access (Pipe) | Steven's Mills Road |
| Town Common | Goldsboro HWY 117 |
| Port Terminal | Goldsboro HWY 581 |
| Lower Tar & Pamlico River | Middle Neuse |
| Tranter's Creek | Seven Springs |
| Washington | Kinston - HWY 70 |
| Dinah's Landing | Kinston - Braxton Rd. |
| Quarter Deck | Snow Hill |
| Durham's Creek | Hookerton |
| Blounts Creek (Crisp Landing) | Grifton |
| Cotton Patch Landing | Maple Cypress |
| | Core Creek |
| Pungo River | Lower Neuse |
| Leechville | Cowpen Landing |
| Belhaven WRC | Spring Garden |
| CeeBee Marine | Cool Springs |
| Wrights Creek | Glenburnie |
| | Bridgeton |
| Cape Fear River | Union Point |
| Lock and Dam 3 | Pollocksville |
| Tar Heel | Brice's Creek |
| Torry Hole | Lawson's Creek |
| Lock and Dam 2 | Lees Landing |
| Elwell's Ferry | |
| Lock and Dam 1 | |
| Mitchell's Landing | |
| Castle Hayne | |
| Fayetteville | |

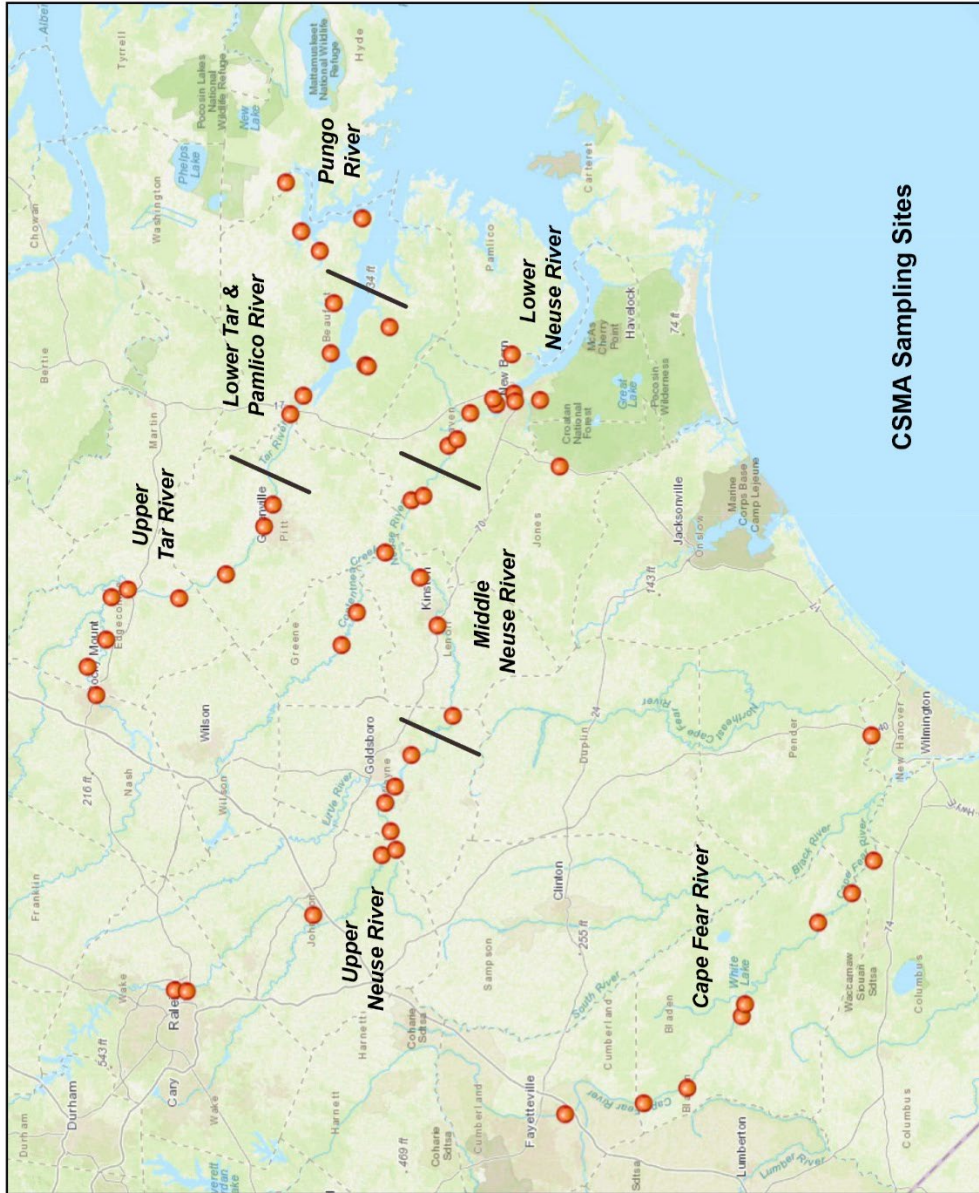


Figure IV.1 Map of study area including sampling sites and description of upper and lower zones.

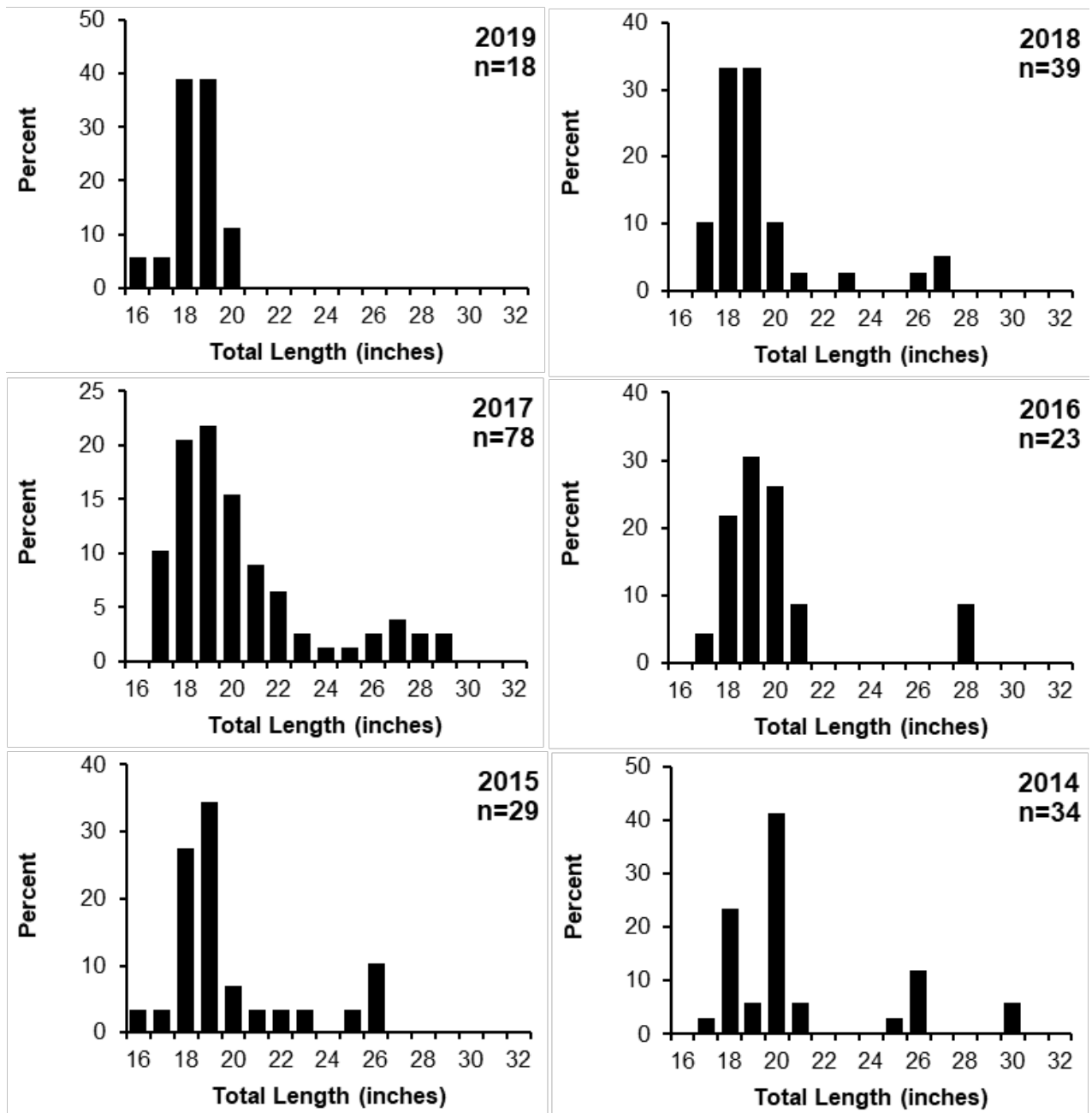


Figure IV.2 Length frequencies by percent of total observed Striped Bass¹ from the Neuse River.

¹Beginning in March 2019, harvest of Striped Bass is prohibited in the CSMA. No length or weight data is available from 2020-present.

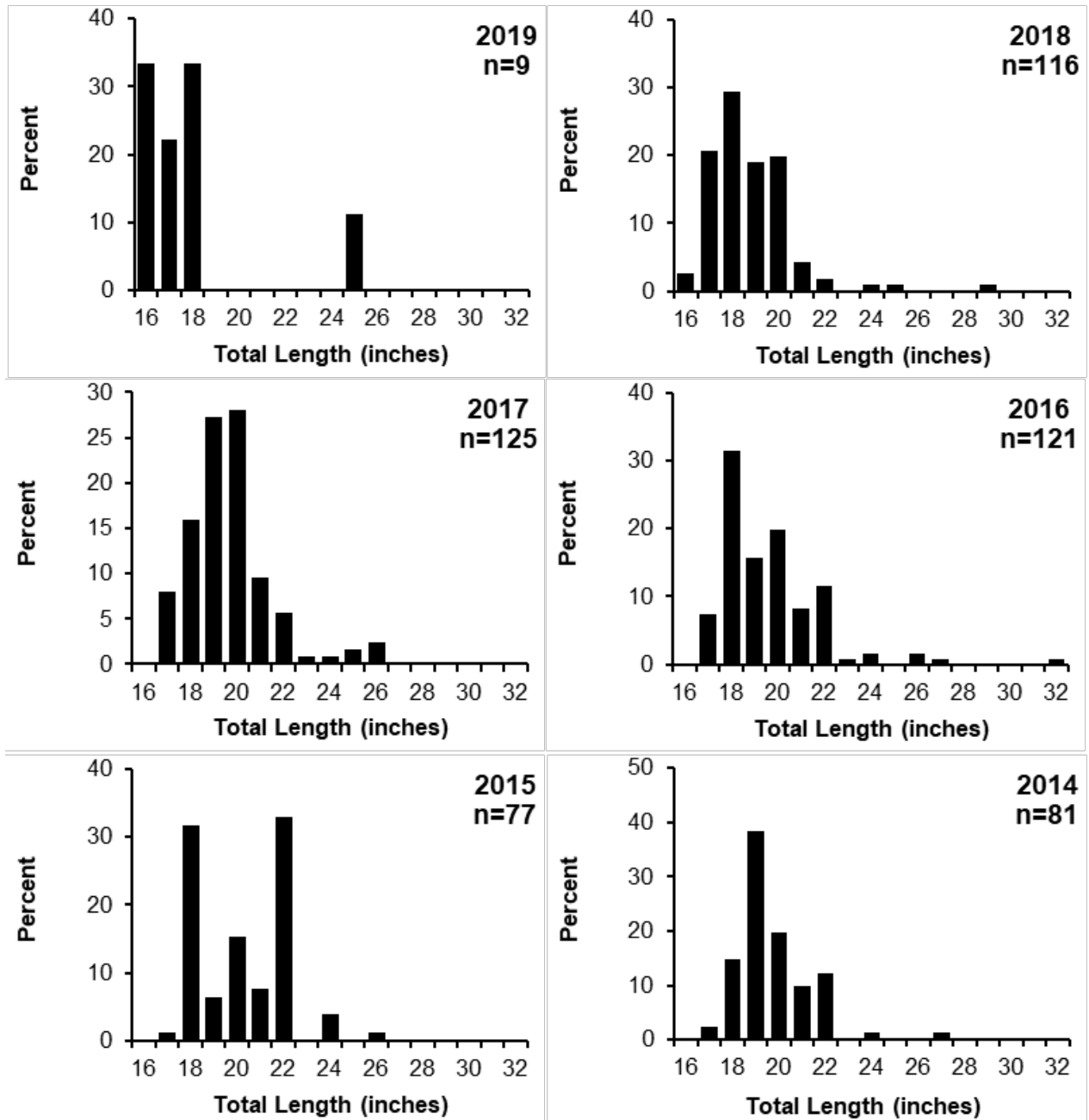


Figure IV.3 Length frequencies by percent of total observed Striped Bass¹ from the Tar/Pamlico and Pungo rivers.

¹Beginning in March 2019, harvest of Striped Bass is prohibited in the CSMA. No length or weight data is available from 2020-present.

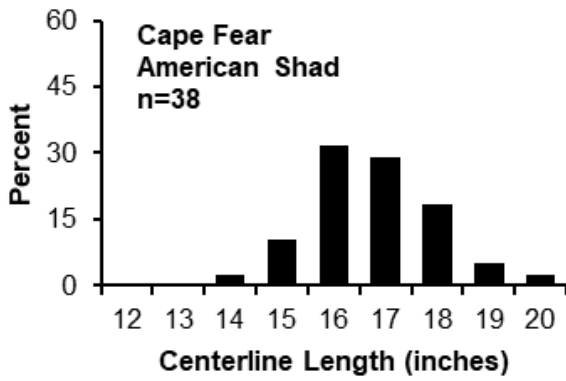
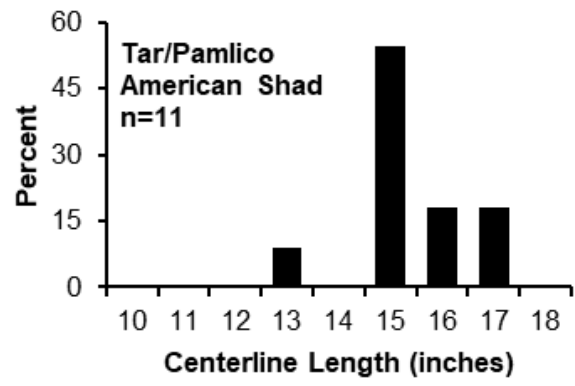
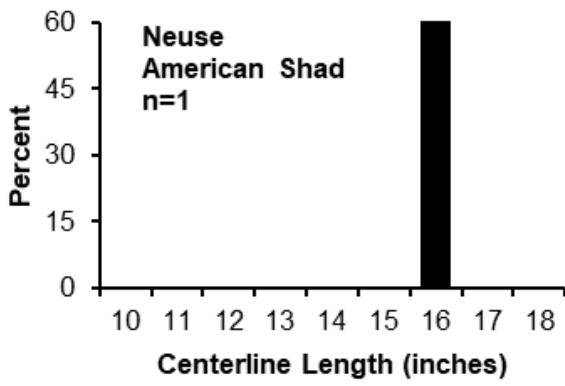


Figure IV.4 Length frequencies by percent of total observed American Shad from the CSMA, 2023.

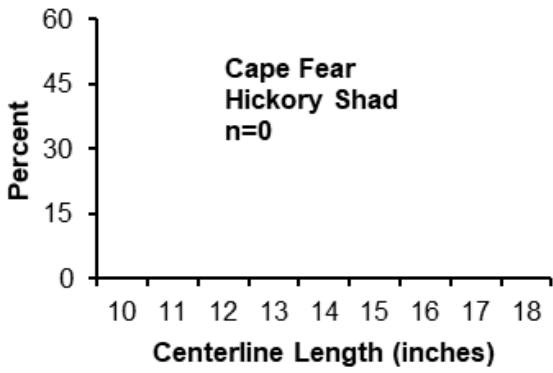
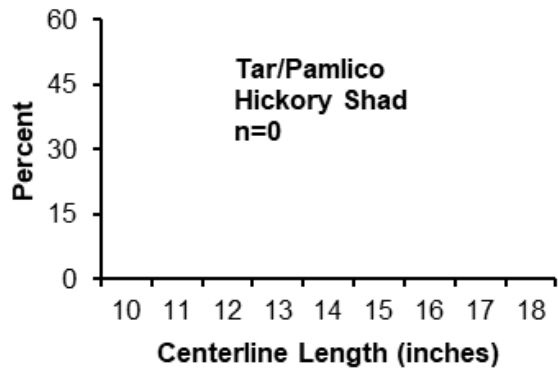
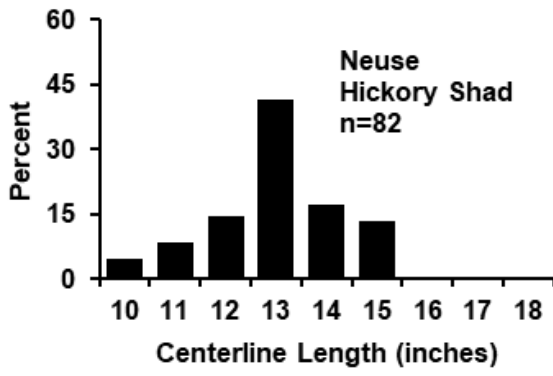


Figure IV.5 Length frequencies by percent of total observed Hickory Shad from the CSMA, 2023.

2023 CSMA CREEL SURVEY

Interview Form

1. INTERVIEWER ID 5. INTERVIEW TIME (use 2400 clock) 8. PERIOD

2. YR/MO/DAY 6. FISHING TRIP 1 Yes 2 No 9. REFUSAL

3. INTERVIEW NUMBER 4. TYPE OF DAY 7. TIME FISHING BEGAN 10. SITE

11. HOURS FISHED 12. PARTY SIZE 16. WERE YOU FISHING FOR ANY PARTICULAR KINDS OF FISH TODAY? IF YES, WHAT KINDS?
(Hours/Minutes)

13. WERE YOU FISHING FROM:
1 Private Boat 2 Charterboat 3 Shore

14. AREA FISHED (Specific waterbody)

15. WATERBODY CLASSIFICATION
1 Coastal 2 Joint 3 Inland

17. PRIMARY FISHING METHOD
1 Casting 2 Trolling 3 Cut Bait 4 Live Bait 5 Gill Net

1st Target

2nd Target

UNAVAILABLE CATCH. Did you land any fish that are not here for me to look at? For example, any that you may have thrown back or used for bait?

THROW BACKS

| | SPECIES CODE | DISP | # OF FISH |
|---------|---|----------------------|---|
| 1 _____ | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> |
| 2 _____ | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> |
| 3 _____ | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> |
| 4 _____ | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> |
| 5 _____ | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> |

| DISPOSITION CODES |
|------------------------------------|
| 1. Thrown back (legal fish) |
| 2. Thrown back over bag limit |
| 3. Thrown back under size limit |
| 4. In slot (22-27) |
| 5. Closed season, legal |
| 6. Closed season, under size fish |
| 7. Thrown back over the size limit |

AVAILABLE CATCH, COMPLETE TYPE 3 RECORD BY ASKING: May I look at your fish?

| KEPT | SPECIES CODE | # OF FISH | LENGTH (mm) | WEIGHT (kg) | SEX (male=1, female=2) |
|----------|---|----------------------|---|---|------------------------|
| 1 _____ | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> |
| 2 _____ | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> |
| 3 _____ | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> |
| 4 _____ | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> |
| 5 _____ | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> |
| 6 _____ | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> |
| 7 _____ | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> |
| 8 _____ | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> |
| 9 _____ | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> |
| 10 _____ | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> | <input type="text"/> |

Appendix IV.2 CSMA creel survey socioeconomic questions.

CSMA Creel Socioeconomic Questions

- 1) How old were you on December 31, 2022? _____
- 2) What state do you live in? _____
- 3) If the state is NC, what county do you live in? _____
- 4) Are you, Male Female
- 5) What do you consider your ethnic background? Hispanic/Latino (all races) Asian-Pacific Islander
 White/Caucasian Native American
 African-American/Black
- 6) How many years have you been recreational fishing? _____
- 7) How many fishing trips do you expect to take this year on this river for American shad, hickory shad, or striped bass? (if indicated as target species) _____

The following questions ask you about this fishing trip. If you aren't sure of the exact answer, please give your best estimate.

| | |
|---|--|
| 8) How many nights is the trip? (if none, skip questions 10 and 11). | |
| 9) How many miles did you travel to get here? | |
| 10) How many people who are on the trip are fishing? | |
| 11) How much do you expect to pay for lodging per night on this trip? | |
| 12) How much do you expect to pay for food on this trip? | |
| 13) How much do you expect to pay for ice on this trip? | |
| 14) How much do you expect to pay for bait on this trip? | |
| 15) How much do you expect to pay for boat fuel and oil on this trip? | |
| 16) How much do you expect to pay for vehicle fuel on this trip? | |

- 17) Please rate your overall happiness with your fishing trip today on a scale of 1 to 10, with 1 being extremely unhappy and 10 being extremely happy. _____
- 18) Please rate your fishing success today on a scale of 1 to 10, with 1 being extremely unsuccessful and 10 being extremely successful. _____
- 19) The following is a hypothetical question, however, will help provide information to better understand the economic value of our fisheries resources. Please be as accurate as possible when providing an answer. Keeping in mind the total expenses that you just mentioned, what is the maximum amount of additional money that you would be willing to spend to be able to take this fishing trip today? _____
- 20) Out of the following income categories, would you be willing to provide your personal pre-tax annual income?

Less than \$40,000 \$40,000 to \$80,000 \$80,001 to \$120,000 More than \$120,000

- 21) Will you be willing to participate in a follow-up survey? Yes No

| | | |
|--------|----|------|
| First | MI | Last |
| Street | | |
| City | ST | ZIP |

2023 CSMA CREEL SURVEY ASSIGNMENT SUMMARY FORM

1. INTERVIEWER ID SCHEDULE NUMBER

2. YR/MO/DAY

3. PERIOD

4. TYPE OF DAY

5. SITE

6. TIME ARRIVED 24 hr clock

7. NUMBER TRAILERS Upon Arrival

8. NUMBER TRAILERS Mid-Count

9. NUMBER TRAILERS Upon Departure

10. NUMBER On Bank When Arrived

11. NUMBER On Bank Mid-Time Count

12. NUMBER On Bank When Departed

13. NUMBER Fishing Parties Missed

14. NUMBER Fishing Parties Refused

15. TIME DEPARTED 24 hr clock

Comments