

Chapter IV : CENTRAL AND SOUTHERN MANAGEMENT AREA RECREATIONAL FISHERY STATISTICS

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PROGRAM NARRATIVE

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 (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 (Figure IV.1). The Pungo River was surveyed at the Leechville ramp (NC-264 bridge), the Belhaven North Carolina Wildlife Resource Commission (NCWRC) 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 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, marital status, number of individuals within household, 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 North Carolina Wildlife Resources Commission (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 (Appendix IV.3) included questions to identify characteristics of the Striped Bass angling population. Demographics of anglers were reported according to age, residency, gender, ethnic background, and marital status, 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, N.C. Wildlife and Resources Commission, and U.S. Fish and Wildlife Service. For additional information regarding the survey or for a complete report, please consider the list below.

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

Year	River	Length (inches)			Mean	Weight (pounds)		
		N	Min	Max		Min	Max	Mean
2020	Upper Neuse River	0	0	0	0	0	0	0
	Middle Neuse River	0	0	0	0	0	0	0
	Lower Neuse River	0	0	0	0	0	0	0
	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
	Entire CSMA Totals ¹	0	0	0	0	0	0	0
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	17.3	21.8	19.7	2.6	4.4	3.4
	Upper Tar River	1	26.3	26.3	26.3	6.6	6.6	6.6
	Lower Tar-Upper Pamlico River	8	15.0	19.5	17.7	1.5	3.5	2.6
	Pungo River	1	18.8	18.8	18.8	2.5	2.5	2.5
	Cape Fear River	0	0	0	0	0	0	0
	Entire CSMA Totals	28	15.0	26.3	19.3	1.5	6.6	3.3
2018	Upper Neuse River	0	0	0	0	0	0	0
	Middle Neuse River	14	17.9	27.1	20.7	2.1	8.4	3.7
	Lower Neuse River	25	17.6	27.2	19.2	2.1	8.8	3.0
	Upper Tar River	1	19.2	19.2	19.2	3.5	3.5	3.5
	Lower Tar-Upper Pamlico River	101	16.5	22.2	18.9	1.7	4.4	3.0
	Pungo River	14	17.6	29.3	21.0	2.2	11.9	3.9
	Cape Fear River	0	0	0	0	0	0	0
	Entire CSMA Totals	155	16.5	29.3	19.3	1.7	11.9	3.2
2017	Upper Neuse River	0	0	0	0	0	0	0
	Middle Neuse River	8	19.4	29.6	24.0	2.8	13.8	7.1
	Lower Neuse River	70	17.6	28.0	20.5	2.0	10.8	3.9
	Upper Tar River	19	17.4	22.2	19.8	2.2	6.0	3.6
	Lower Tar-Upper Pamlico River	88	17.3	26.2	20.1	2.2	8.8	3.6
	Pungo River	17	18.8	26.5	20.9	1.5	6.4	3.2
	Cape Fear River	0	0	0	0	0	0	0
	Entire CSMA Totals	202	17.3	29.6	20.4	1.5	13.8	3.8

¹ Harvest of Striped Bass was prohibited in this area and no catch information was collected during this time.² Middle Neuse not sampled in 2013.

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

Year	River	Length (inches)				Weight (pounds)		
		N	Min	Max	Mean	Min	Max	Mean
2016	Upper Neuse River	0	0	0	0	0	0	0
	Middle Neuse River	2	18.9	20.3	19.6	2.9	3.6	3.2
	Lower Neuse River	21	18.0	28.9	20.5	2.2	8.8	3.7
	Upper Tar River	16	17.5	33.0	21.4	2.3	9.5	3.8
	Lower Tar-Upper Pamlico River	81	17.6	27.5	19.7	2.2	7.9	3.6
	Pungo River	24	18.3	26.9	20.8	2.4	6.0	3.4
	Cape Fear River	0	0	0	0	0	0	0
	Entire CSMA Totals	144	17.5	33.0	20.2	2.2	9.5	3.6
2015	Upper Neuse River	2	16.3	19.9	18.1	1.7	3.1	2.4
	Middle Neuse River	2	26.3	26.9	26.6	3.0	9.3	6.1
	Lower Neuse River	25	17.6	26.1	20.0	2.1	7.5	3.5
	Upper Tar River	3	19.6	21.6	20.4	3.7	4.9	4.2
	Lower Tar-Upper Pamlico River	41	17.7	24.3	20.4	1.8	15.4	3.8
	Pungo River	33	18.1	27.0	21.3	2.0	7.1	3.3
	Cape Fear River	0	0	0	0	0	0	0
	Entire CSMA Totals	106	16.3	27.0	21.1	1.7	15.4	3.9
2014	Upper Neuse River	2	20.6	20.6	20.6	3.9	3.9	3.9
	Middle Neuse River ¹	0	0	0	0	0	0	0
	Lower Neuse River	32	17.9	30.2	21.4	2.3	14.3	4.8
	Upper Tar River	0	0	0	0	0	0	0
	Lower Tar/ Upper Pamlico River	64	18.5	27.4	19.9	2.8	9.5	3.7
	Pungo River	17	19.8	20.0	19.9	2.4	4.9	3.5
	Cape Fear River	0	0	0	0	0	0	0
	Entire CSMA Totals	115	17.9	30.2	20.5	2.3	14.3	3.9
2013	Upper Neuse River	1	24.8	24.8	24.8	7.7	7.7	7.7
	Middle Neuse River ²	0	0	0	0	0	0	0
	Lower Neuse River	51	17.6	27.9	19.6	2.1	11.5	3.8
	Upper Tar River	7	18.3	20.4	19.3	3.3	4.6	4.0
	Lower Tar/ Upper Pamlico River	53	17.0	25.9	19.0	2.4	8.8	3.5
	Pungo River	57	18.1	27.3	20.1	0.9	9.9	3.4
	Cape Fear River	0	0	0	0	0	0	0
	Entire CSMA Totals	169	17.0	27.9	19.5	0.9	11.5	3.7

¹ Harvest of Striped Bass was prohibited in this area and no catch information was collected during this time.

² Middle Neuse not sampled in 2013.

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

Year	River	Length (inches)				Weight (pounds)		
		N	Min	Max	Mean	Min	Max	Mean
2012	Upper Neuse River	5	19.1	27.3	22.8	2.6	9.0	5.2
	Middle Neuse River	3	18.8	24.5	21.0	2.9	5.5	3.9
	Lower Neuse River	51	17.5	28.0	20.7	2.4	9.9	3.9
	Upper Tar River	6	18.5	21.4	20.3	2.9	4.4	3.6
	Lower Tar/ Upper Pamlico River	67	18.3	27.8	20.5	2.6	9.0	4.0
	Pungo River	21	19.3	27.2	21.0	2.4	7.1	3.5
	Entire CSMA Totals	153	17.5	28.0	20.6	2.4	9.9	3.8
2011	Upper Neuse River	1	23.3	23.3	23.3	4.6	4.6	4.6
	Middle Neuse River	0	0	0	0	0	0	0
	Lower Neuse River	54	17.6	27.4	20.0	2.1	7.5	3.4
	Lower Tar/ Upper Pamlico River	53	17.6	28.2	20.4	2.4	9.7	4.0
	Pungo River	32	18.1	25.6	21.3	2.4	6.8	3.7
	Entire CSMA Totals	140	17.6	28.2	21.3	2.1	9.7	3.9
2010	Upper Neuse River	0	0	0	0	0	0	0
	Middle Neuse River	0	0	0	0	0	0	0
	Lower Neuse River	4	18.4	21.5	19.6	2.7	3.5	3.0
	Lower Tar River	0	0	0	0	0	0	0
	Lower Tar/ Upper Pamlico River	48	18.1	23.7	20.3	2.7	6.2	4.0
	Pungo River	22	17.8	26.3	21.0	2.2	7.1	3.8
	Entire CSMA Totals	74	17.8	26.3	20.5	2.2	7.1	3.8
2009	Upper Neuse River	0	0	0	0	0	0	0
	Middle Neuse River	0	0	0	0	0	0	0
	Lower Neuse River	6	18.5	23.5	21.7	2.2	4.6	3.5
	Lower Tar River	0	0	0	0	0	0	0
	Lower Tar/ Upper Pamlico River	44	17.2	21.7	19.9	2.2	4.9	3.4
	Pungo River	45	18.5	24.0	20.9	2.2	6.0	3.4
	Entire CSMA Totals	95	17.2	24.0	20.8	2.2	6.0	3.5
All Years	Grand Totals for Entire CSMA	1,381	15	33.0	20.3	0.9	15.4	3.7

¹Harvest of Striped Bass was prohibited in this area and no catch information was collected during this time

²Middle Neuse not sampled in 2013.

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
2020	Upper Neuse River	7	14.8	17.1	15.9	1.5	2.6	1.9
	Middle Neuse River	7	9.6	18.0	15.2	0.6	3.5	2.2
	Lower Neuse River	0	0	0	0	0	0	0
	Upper Tar River	8	14.9	17.4	16.4	1.8	3.1	2.7
	Lower Tar-Upper Pamlico River	0	0	0	0	0	0	0
	Cape Fear River	88	12.2	19.2	15.7	0.2	4.4	2.3
	Pungo River	0	0	0	0	0	0	0
	Total	110	9.6	19.2	15.7	0.2	4.4	2.3
2019	Upper Neuse River	7	15.6	17.1	16.4	1.7	2.6	2.1
	Middle Neuse River	5	13.5	17.8	15.6	1.2	3.0	2.1
	Lower Neuse River	0	0	0	0	0	0	0
	Upper Tar River	19	13.4	17.4	15.3	1.0	2.8	1.7
	Lower Tar-Upper Pamlico River	0	0	0	0	0	0	0
	Cape Fear River	148	11.9	19.4	15.4	1.1	4.4	2.5
	Pungo River	0	0	0	0	0	0	0
	Total	179	11.9	19.4	15.4	1.0	4.4	2.4
2018	Upper Neuse River	3	16.5	18.0	17.3	2.9	4.0	3.2
	Middle Neuse River	4	13.6	18.9	16.1	1.3	3.7	2.5
	Lower Neuse River	0	0	0	0	0	0	0
	Upper Tar River	13	16.9	20.5	18.3	1.5	3.5	2.3
	Lower Tar-Upper Pamlico River	0	0	0	0	0	0	0
	Cape Fear River	210	12.8	19.4	16.4	0.4	4.0	2.3
	Pungo River	0	0	0	0	0	0	0
	Total	230	12.8	20.5	16.5	0.4	4.0	2.4
2017	Upper Neuse River	1	18.4	18.4	18.4	1.4	1.4	1.4
	Middle Neuse River	16	13.9	19.0	16.7	1.4	4.4	2.6
	Lower Neuse River	1	17.6	17.6	17.6	3.3	3.3	3.3
	Upper Tar River	13	15.0	19.0	17.1	1.2	4.0	2.4
	Lower Tar-Upper Pamlico River	0	0	0	0	0	0	0
	Cape Fear River	75	14.0	22.6	19.4	1.1	4.4	2.8
	Pungo River	0	0	0	0	0	0	0
	Total	106	13.9	22.6	18.7	1.1	4.4	2.7
2016	Upper Neuse River	4	15.1	18.0	16.2	1.5	2.5	2.1
	Middle Neuse River	2	15.5	16.9	16.2	1.7	2.4	2.0
	Lower Neuse River	0	0	0	0	0	0	0
	Upper Tar River	6	11.9	19.5	15.5	1.3	3.1	1.8
	Lower Tar-Upper Pamlico River	0	0	0	0	0	0	0
	Cape Fear River	369	5.6	22.0	16.5	0.7	4.2	2.2
	Pungo River	0	0	0	0	0	0	0
	Total	381	5.6	22.0	16.5	0.7	4.2	2.2

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
2015	Upper Neuse River	3	15.0	17.1	16.1	1.3	2.0	1.7
	Middle Neuse River	0	0	0	0	0	0	0
	Lower Neuse River	0	0	0	0	0	0	0
	Upper Tar River	14	15.6	22.6	20.0	1.3	3.7	3.2
	Lower Tar-Upper Pamlico River	0	0	0	0	0	0	0
	Cape Fear River	131	13.3	20.5	17.9	1.0	4.3	2.7
	Pungo River	0	0	0	0	0	0	0
	Total	148	13.3	22.6	18.0	1.0	4.3	2.6
2014	Upper Neuse River	0	0	0	0	0	0	0
	Middle Neuse River	6	14.7	18.4	16.7	1.7	3.6	2.7
	Lower Neuse River	4	17.9	18.5	18.2	3.5	4.0	3.7
	Upper Tar River	0	0	0	0	0	0	0
	Lower Tar-Upper Pamlico River	0	0	0	0	0	0	0
	Cape Fear River	175	14.9	22.3	19.9	1.0	4.9	3.1
	Pungo River	0	0	0	0	0	0	0
	Total	185	14.7	22.3	18.3	1.0	4.9	3.2
2013	Upper Neuse River	9	14.3	19.1	17.1	1.5	3.9	2.8
	Middle Neuse River	15	13.8	20.6	16.1	1.4	3.7	2.2
	Lower Neuse River	1	14.5	14.5	14.5	1.7	1.7	1.7
	Upper Tar River	42	14.3	19.5	16.7	1.5	3.7	2.7
	Lower Tar-Upper Pamlico River	0	0	0	0	0	0	0
	Cape Fear River	433	15.2	23	18.6	0.6	5.1	2.4
	Pungo River	0	0	0	0	0	0	0
	Total	500	14.3	23	11.8	0.6	5.1	1.6
2012	Upper Neuse River	15	13.9	19.2	16.3	4	2.2	15
	Middle Neuse River	1	17.6	17.6	17.6	2.9	2.9	1
	Lower Neuse River	2	14.5	15.4	14.9	1.8	1.6	2
	Upper Tar River	11	14	17.6	15.9	3.5	1.9	11
	Lower Tar-Upper Pamlico River	0	0	0	0	0	0	0
	Pungo River	0	0	0	0	0	0	0
	Total	29	13.9	19.2	16.1	4	2.1	29

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
2020	Upper Neuse River	8	11.0	15.3	13.4	0.6	1.9	1.3
	Middle Neuse River	151	10.2	16.5	13.9	0.4	2.5	1.4
	Lower Neuse River	14	11.0	15.3	14.2	0.8	2.1	1.6
	Upper Tar River	35	9.6	15.8	14.2	0.6	2.5	1.6
	Lower Tar-Upper Pamlico River	0	0	0	0	0	0	0
	Cape Fear River	0	0	0	0	0	0	0
	Pungo River	0	0	0	0	0	0	0
	Total	208	9.6	16.5	13.9	0.4	2.5	1.4
2019	Upper Neuse River	2	12.9	13.2	13.0	1.0	1.1	1.0
	Middle Neuse River	102	11.0	15.7	13.6	0.7	2.5	1.3
	Lower Neuse River	37	10.9	16.0	13.6	0.7	2.4	1.4
	Upper Tar River	168	10.0	15.4	13.3	0.6	2.1	1.2
	Lower Tar-Upper Pamlico River	0	0	0	0	0	0	0
	Cape Fear River	0	0	0	0	0	0	0
	Pungo River	0	0	0	0	0	0	0
	Total	309	10.0	16.0	13.4	0.6	2.5	1.3
2018	Upper Neuse River	4	13.0	13.6	13.2	1.1	1.3	1.2
	Middle Neuse River	179	10.3	16.7	13.4	0.6	2.5	1.3
	Lower Neuse River	22	10.6	16.0	13.2	0.6	2.2	1.3
	Upper Tar River	17	11.8	17.3	15.0	0.7	2.6	1.3
	Lower Tar-Upper Pamlico River	5	13.9	17.8	16.1	1.0	2.2	1.5
	Cape Fear River	2	13.9	15.4	14.7	1.4	2.0	1.7
	Pungo River	0	0	0	0	0	0	0
	Total	229	10.3	17.8	13.5	0.6	2.6	1.3
2017	Upper Neuse River	10	12.3	16.8	14.8	0.7	1.3	1.0
	Middle Neuse River	168	10.4	17.3	13.7	0.6	4.2	1.2
	Lower Neuse River	17	11.5	16.6	14.1	0.8	2.2	1.3
	Upper Tar River	31	11.0	18.0	13.7	0.5	5.1	1.4
	Lower Tar-Upper Pamlico River	1	12.7	12.7	12.7	0.9	0.9	0.9
	Cape Fear River	1	14.6	14.6	14.6	1.1	1.1	1.1
	Pungo River	0	0	0	0	0	0	0
	Total	228	14.3	23	13.9	0.6	5.1	1.2
2016	Upper Neuse River	18	10.7	14.8	12.4	0.6	1.8	1.0
	Middle Neuse River	116	10.6	15.4	12.7	0.6	1.9	1.0
	Lower Neuse River	7	11.3	15.0	13.7	0.7	1.5	1.3
	Upper Tar River	4	7.4	15.6	12.4	0.7	2.3	1.4
	Lower Tar-Upper Pamlico River	0	0	0	0	0	0	0
	Cape Fear River	0	0	0	0	0	0	0
	Pungo River	0	0	0	0	0	0	0
	Total	145	7.4	15.6	12.7	0.6	2.3	1.1

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
2015	Upper Neuse River	35	8.4	15.2	13.0	0.3	1.8	1.0
	Middle Neuse River	108	10.6	15.4	13.2	0.6	1.7	1.0
	Lower Neuse River	1	14.0	14.0	14.0	1.4	1.4	1.4
	Upper Tar River	16	12.7	18.2	15.0	0.4	2.0	1.1
	Lower Tar-Upper Pamlico River	0	0	0	0	0	0	0
	Cape Fear River	1	11.5	11.5	11.5	0.7	0.7	0.7
	Pungo River	0	0	0	0	0	0	0
	Total	161	8.4	18.2	13.3	0.3	2.0	1.0
2014	Upper Neuse River	28	10.4	14.7	12.6	0.6	1.5	1.0
	Middle Neuse River	236	10.2	14.6	12.5	0.6	1.8	1.1
	Lower Neuse River	66	10.7	15.2	12.9	0.6	1.9	1.2
	Upper Tar River	2	13.0	14.0	13.5	1.1	1.3	1.2
	Lower Tar-Upper Pamlico River	0	0	0	0	0	0	0
	Cape Fear River	0	0	0	0	0	0	0
	Pungo River	0	0	0	0	0	0	0
	Total	332	10.2	15.2	12.9	0.6	1.9	1.1
2013	Upper Neuse River	37	10.4	15.9	12.7	0.6	2.5	1.1
	Middle Neuse River	174	9.9	15.6	12.4	0.4	2.1	1
	Lower Neuse River	0	0	0	0	0	0	0
	Upper Tar River	30	10.6	14.4	12.8	0.7	2.2	1.3
	Lower Tar-Upper Pamlico River	0	0	0	0	0	0	0
	Cape Fear River	1	17.3	17.3	17.3	2	2	2
	Pungo River	0	0	0	0	0	0	0
	Total	242	9.9	17.3	12.5	0.4	2.5	1
2012	Upper Neuse River	45	11	16.1	12.5	0.6	2.3	0.9
	Middle Neuse River	164	10.9	16.4	13.1	0.8	2.6	1.3
	Lower Neuse River	9	11	16.1	13.8	0.7	2.3	1.5
	Upper Tar River	3	12.9	13.8	13.3	1.1	1.1	1.1
	Lower Tar-Upper Pamlico River	0	0	0	0	0	0	0
	Pungo River	0	0	0	0	0	0	0
	Total	221	10.9	16.4	13.0	0.6	2.6	1.2

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

Year	Common Name	Harvest	Discards					No. 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 Family, Freshwater	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					No. 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	0.3
	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 Family, Freshwater	107	191	0	0	0	0	298	1.14
	Catfish, White	2	0	0	0	0	0	2	0.01
	Clearnose Skate	0	1	0	0	0	0	1	0
	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	9.1
	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
	Kingfish genus	1	0	0	0	0	0	1	0
	Ladyfish	0	2	0	0	0	0	2	0.01
	Mackerel, Spanish	11	1	0	32	0	0	44	0.17
	Menhaden, Atlantic	0	20	0	0	0	0	20	0.08
	Mullet genus	0	1	0	0	0	0	1	0
	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	1.2
	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
	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					No. 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
	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					No. 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
	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, 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 Family, Freshwater	59	232	0	0	0	0	291	1.48
	Catfish, White	6	0	0	0	0	0	2	0.03
	Catfish, Yellow Bullhead	2	0	0	0	0	0	2	0.01
	Clearnose Skate	0	1	0	0	0	0	1	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
	Gizzard Shad	0	3	0	0	0	0	3	0.02
	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, Hickory	939	2,682	390	0	0	0	4,011	20.42
	Shiner, Golden	1	0	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					No. 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, Green	0	0	0	0	0	0	0	0
	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
	White Bass	0	7	0	0	0	0	7	0.04
	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					No. 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
	Catfish, Channel	72	84	0	0	0	0	156	0.54
	Catfish, Flathead	8	14	0	0	0	0	22	0.08
	Catfish Family, Freshwater	53	135	0	0	0	0	188	0.65
	Clearnose Skate	0	9	0	0	0	0	9	0.03
	Crappie, Black	681	251	31	370	0	0	1,333	4.6
	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	3.7
	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
	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
	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
	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					No. 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					No. 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	7.45
	Bass, Spotted	0	1	0	0	0	0	1	0.01
	Bass, Striped	260	80	1	468	67	14	876	12.13
	Bass, White	4	3	0	0	0	0	7	0.10
	Bluegill	475	77	2	0	0	0	554	7.67
	Bowfin	25	102	0	0	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 Family, Freshwater	12	50	0	0	0	0	62	0.86
	Catfish, White	3	0	0	0	0	0	3	0.04
	Clearnose Skate	0	3	0	0	0	0	3	0.04
	Crappie, Black	499	72	1	34	0	0	606	8.39
	Croaker, Atlantic	32	38	0	0	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	1.90
	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	1	0	0	0	0	1	0.01
	Mullet genus	0	2	0	0	0	0	2	0.03
	Mullet, Striped	0	3	0	0	0	0	3	0.04
	Perch, Silver	0	2	0	0	0	0	2	0.03
	Perch, White	712	102	0	0	0	0	814	11.27
	Perch, Yellow	13	30	0	0	0	0	43	0.60
	Pickrel, Chain	3	83	0	0	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	10	0	0	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	5.26
	Shad, American	492	54	12	10	0	0	568	7.87
	Shad, Gizzard	288	10	0	0	0	0	298	4.13
	Shad, Hickory	418	67	4	0	0	0	489	6.77
	Shad genus	0	5	5	0	0	0	10	0.14
	Shad, Threadfin	137	2	0	0	0	0	139	1.92
	Spot	6	12	0	0	0	0	18	0.25
	Stingrays	0	1	0	0	0	0	1	0.01
	Sunfish genus	352	160	3	0	0	0	515	7.13

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

Year	Common Name	Harvest	Discards					No. 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	17	0	0	0	0	62	0.86
	Sunfish, Redear	135	19	0	0	0	0	154	2.13
	Unidentified Fish	0	1	0	0	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	7,221	100.0

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

Year	Common Name	Harvest	Discards					No. 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	8.53
	Bass, Striped	151	71	2	263	23	21	510	8.93
	Bass, White	0	3	0	0	0	0	3	0.05
	Bluefish	6	5	0	0	0	0	5	0.09
	Bluegill	745	91	0	0	0	0	836	14.64
	Bowfin	3	77	0	0	0	0	80	1.40
	Catfish, Black Bullhead	1	0	0	0	0	0	1	0.02
	Catfish, Blue	128	26	0	0	0	0	154	2.70
	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 Family, Freshwater	14	43	0	0	0	0	57	1.07
	Catfish, White	1	0	0	0	0	0	1	0.02
	Crappie, Black	462	48	0	29	0	0	539	9.44
	Croaker, Atlantic	10	34	0	0	0	0	44	0.77
	Drum, Red	2	10	1	28	0	1	41	0.72
	Eel, American	1	4	0	1	0	0	6	0.11
	Flounder, Lefteye family	8	4	1	101	0	0	144	2.00
	Flounder, Southern	70	1	0	6	0	0	77	1.35
	Flounder, Summer	29	9	0	16	0	0	54	0.95
	Gar, Longnose	0	34	0	0	0	0	34	0.60
	Mackerel, Spanish	0	0	0	2	0	0	2	0.04
	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	79	0	0	0	0	702	12.29
	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	0.11
	Seatrout, Spotted	93	10	1	92	0	0	196	3.43
	Shad genus	0	15	0	0	0	0	15	0.26
	Shad, American	169	25	4	0	0	0	198	3.47
	Shad, Gizzard	4	6	0	0	0	0	10	0.18
	Shad, Hickory	428	65	9	0	0	0	502	8.79
	Shad, Threadfin	22	1	0	0	0	0	23	0.40
	Shiner, Golden	0	1	0	0	0	0	1	0.02
	Spot	74	20	0	0	0	0	94	1.65
	Stingray family	0	2	0	0	0	0	2	0.04
	Sunfish genus	300	149	1	0	0	0	450	7.88
	Sunfish, Redbreast	58	15	0	0	0	0	73	1.28
	Sunfish, Redear	63	12	0	0	0	0	75	1.10
	Unidentified Fish	0	2	0	0	0	0	2	0.04

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

Year	Common Name	Harvest	Discards					No. Of Fish	Percent Total
			Legal Sized	Over Creel	Sub-Legal	Slot-Limit	Over-Sized		
2015	Warmouth	10	8	0	0	0	0	18	0.32
	Total	3,712	1,187	19	768	23	22	5,713	100.0

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

Year	Common Name	Harvest	Discards					No. 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	10.00
	Bass, Spotted	0	1	0	2	0	0	3	0.03
	Bass, Striped	149	290	20	800	155	10	1,414	13.4
	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	7.69
	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 Family, Freshwater	38	125	0	0	0	0	163	1.54
	Catfish, White	30	1	0	0	0	0	31	0.29
	Cleannose Skate	0	2	0	0	0	0	2	0.02
	Crappie, Black	386	67	2	89	0	0	544	5.16
	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	642	6.08
	Eel, American	0	21	0	0	0	0	21	0.20
	Flounder, Lefteye family	21	25	0	600	0	0	647	6.12
	Flounder, Southern	98	0	0	7	0	0	105	1.00
	Flounder, Summer	1	0	0	27	0	0	28	0.27
	Gar, Longnose	0	105	0	0	0	0	105	1.00
	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	71	0	0	0	0	389	3.69
	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	12.57
	Shad genus	0	68	20	1	0	0	89	0.84
	Shad, American	282	125	4	0	0	0	411	3.90
	Shad, Gizzard	27	17	0	0	0	0	44	0.42
	Shad, Hickory	351	255	6	0	0	0	612	5.80
	Shad, Threadfin	25	1	0	0	0	0	26	0.25
	Sheepshead	0	1	0	0	0	0	1	0.01
	Shiner, Golden	0	1	0	0	0	0	1	0.01

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

Year	Common Name	Harvest	Discards					No. Of Fish	Percent Total
			Legal Sized	Over Creel	Sub-Legal	Slot-Limit	Over-Sized		
2014	Spot	68	57	0	0	0	0	125	1.18
	Threadfin Shad	25	1	0	0	0	0	26	0.25
	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
	White Bass	0	6	0	2	0	0	8	0.08
	White Catfish	30	1	0	0	0	0	31	0.29
	White Perch	318	71	0	0	0	0	389	3.69
	White Sucker	1	0	0	0	0	0	1	0.01
	Yellow Perch	27	30	0	0	0	0	57	0.54
	Total	3,606	3,154	100	3,534	156	12	10,551	100.0

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

Year	Common Name	Harvest	Discards					No. Of Fish	Percent Total
			Legal Sized	Over Creel	Sub-Legal	Slot-Limit	Over-Sized		
2013	Bass, Hybrid Striped	32	3	0	35	0	0	70	0.36
	Bass, Largemouth	34	744	0	954	0	0	1,732	8.86
	Bass, Striped	279	337	28	937	117	0	1,698	8.69
	Bass, White	1	4	0	3	0	0	8	0.04
	Bluefish	94	110	0	0	0	0	204	1.04
	Bluegill	510	372	0	0	0	0	882	4.51
	Bowfin	6	76	0	0	0	0	82	0.42
	Catfish, Blue	165	49	0	0	0	0	214	1.09
	Catfish, Brown	1	0	0	0	0	0	1	0.01
	Catfish, Channel	64	22	0	0	0	0	86	0.44
	Catfish, Flathead	7	7	0	0	0	0	14	0.07
	Catfish Family,	26	77	0	0	0	0	103	0.53
	Catfish, White	4	0	0	0	0	0	4	0.02
	Clearnose Skate	0	6	0	0	0	0	6	0.03
	Common Carp	1	0	0	0	0	0	1	0.01
	Crappie, Black	318	68	6	262	0	0	654	3.35
	Croaker, Atlantic	72	177	0	0	0	0	249	1.27
	Drum, Black	10	1	0	0	0	0	11	0.06
	Drum, Red	161	109	19	888	0	5	1,177	6.02
	Eel, American	1	5	0	0	0	0	6	0.03
	Flounder, Lefteye	63	17	0	2,021	0	0	2,093	10.71
	Flounder, Southern	173	0	0	0	0	0	173	0.89
	Flounder, Summer	2	0	0	0	0	0	10	0.05
	Gar, Longnose	7	118	0	0	0	0	125	0.64
	Mackerel, Spanish	0	1	0	2	0	0	3	0.02
	Menhaden, Atlantic	0	200	0	0	0	0	200	1.02
	Mullet, Striped	7	13	0	0	0	0	20	0.10
	Perch, White	104	38	0	3	0	0	145	0.74
	Perch, Yellow	2	13	0	0	0	0	15	0.08
	Pickrel, Chain	0	90	0	0	0	0	90	0.46
	Pinfish	6	167	0	0	0	0	173	0.89
	Pumpkinseed	28	11	0	0	0	0	39	0.20
	Ray, Cownose	0	10	0	0	0	0	10	0.05
	Sea Lamprey	1	0	0	0	0	0	1	0.01
	Seatrout, Spotted	1,123	230	52	2,341	0	0	3,746	19.17
	Shad genus	87	580	59	0	0	0	726	3.71
	Shad, American	761	533	19	0	0	0	1,313	6.72
	Shad, Gizzard	172	49	0	0	0	0	221	1.13
	Shad, Hickory	495	672	25	0	0	0	1,192	6.10
	Spot	84	133	0	0	0	0	217	1.11
	Stingray family	0	1	0	0	0	0	1	0.01
	Sunfish genus	302	1,391	84	20	0	0	1,797	9.19
	Sunfish, Redbreast	10	2	0	0	0	0	12	0.06
	Sunfish, Redear	8	8	0	0	0	0	16	0.08
	Warmouth	1	1	0	0	0	0	2	0.01
	Weakfish	0	0	0	2	0	0	2	0.01
	Total	5,222	6,445	292	7,468	117	5	19,544	100.00

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

Year	Common Name	Harvest	Discards					No. Of Fish	Percent Total
			Legal Sized	Over Creel	Sub-Legal	Slot-Limit	Over-Sized		
2012	Bass, Hybrid Striped	7	4	0	35	3	0	49	0.25
	Bass, Largemouth	22	415	0	992	0	0	1,429	7.19
	Bass, Striped	222	513	31	1,277	188	0	2,231	11.23
	Bass, White	12	5	0	0	0	0	17	0.09
	Bluefish	11	46	0	0	0	0	57	0.29
	Bowfin	1	54	0	0	0	0	55	0.28
	Carp, Common	1	0	0	0	0	0	1	0.01
	Catfish, Freshwater family	90	357	0	0	0	0	447	2.25
	Clearnose Skate	2	0	0	0	0	0	2	0.01
	Crappie, Black	186	156	0	77	0	0	419	2.11
	Croaker, Atlantic	49	192	0	0	0	0	241	1.21
	Drum, Black	60	70	0	0	0	0	130	0.65
	Drum, Red	20	13	3	2,177	10	10	2,223	11.19
	Eel, American	0	7	0	0	0	0	7	0.04
	Flounder, Southern	141	10	1	2,581	0	0	2,733	13.75
	Gar, Longnose	0	54	0	0	0	0	54	0.27
	Kingfish genus	0	1	0	0	0	0	1	0.01
	Menhaden, Atlantic	30	270	0	0	0	0	300	1.51
	Mullet, Striped	35	51	0	0	0	0	86	0.43
	Perch, White	371	131	0	0	0	0	502	2.53
	Perch, Yellow	5	8	0	0	0	0	13	0.07
	Pickerel, Chain	0	22	0	0	0	0	22	0.11
	Pinfish	28	324	0	0	0	0	352	1.77
	Ray, Cownose	0	59	0	0	0	0	59	0.30
	Seatrout, Spotted	1,038	304	202	2,427	0	0	3,971	19.98
	Shad genus	17	34	0	0	0	0	51	0.26
	Shad, American	60	227	0	0	0	0	287	1.44
	Shad, Gizzard	21	20	0	0	0	0	41	0.21
	Shad, Hickory	296	854	20	0	0	0	1,170	5.89
	Shad, Threadfin	60	35	0	0	0	0	95	0.48
	Sheepshead	1	1	0	0	0	0	2	0.01
	Shiner, Golden	0	1	0	0	0	0	1	0.01
	Shorthead Redhorse	1	0	0	0	0	0	1	0.01
	Spot	34	77	0	0	0	0	111	0.56
	Stingray family	3	4	0	0	0	0	7	0.04
	Sunfish genus	885	1,806	10	0	0	0	2,701	13.59
	Weakfish	1	0	0	1	0	0	2	0.01
	Total	3,710	6,090	267	9,602	201	10	19,870	100.00

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

Year	Common Name	Harvest	Discards					No. Of Fish	Percent Total
			Legal Sized	Over Creel	Sub-Legal	Slot-Limit	Over-Sized		
2011	Bass, Hybrid Striped	8	0	0	0	0	0	8	0.09
	Bass, Largemouth	7	367	42	301	0	0	717	7.64
	Bass, Striped	254	394	2	1,325	230	0	2,205	23.49
	Bluefish	3	32	0	0	0	0	35	0.37
	Bowfin	0	32	0	0	0	0	32	0.34
	Catfish, Freshwater family	66	34	0	0	0	0	100	1.07
	Crappie, Black	171	134	0	71	0	0	376	4.01
	Croaker, Atlantic	55	204	0	0	0	0	259	2.76
	Drum, Black	2	1	0	0	0	0	3	0.03
	Drum, Red	5	2	2	16	0	0	25	0.27
	Eel, American	0	2	0	0	0	0	2	0
	Flounder, Southern	143	5	10	537	0	0	695	7.41
	Gar, Longnose	0	40	0	0	0	0	40	0.43
	Mackerel, Spanish	24	1	0	4	0	0	29	0.31
	Mullet, Striped	42	35	0	0	0	0	77	0.82
	Perch, White	559	211	0	0	0	0	770	8.20
	Perch, Yellow	6	5	0	0	0	0	11	0.12
	Pickrel, Chain	0	11	0	0	0	0	11	0.12
	Pinfish	3	117	0	0	0	0	120	1.28
	Seatrout, Spotted	103	35	4	903	0	0	1,045	11.13
	Shad, American	43	118	0	0	0	0	161	1.72
	Shad, Gizzard	1	1	0	0	0	0	2	0.02
	Shad, Hickory	175	294	0	0	0	0	469	5.00
	Spot	60	110	0	0	0	0	170	1.81
	Sunfish genus	683	1,327	12	0	0	0	2,022	21.55
	Tarpon	0	1	0	0	0	0	1	0.01
	Total	2,413	3,462	72	3,208	230	0	9,385	100.00

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

Year	Common Name	Harvest	Discards					No. Of Fish	Percent Total
			Legal Sized	Over Creel	Sub-Legal	Slot-Limit	Over-Sized		
2010	Bass, Hybrid Striped	7	0	0	0	0	0	7	0.13
	Bass, Largemouth	10	308	4	141	0	0	463	4.61
	Bass, Striped	204	246	7	593	62	0	1,112	11.06
	Bluefish	26	30	0	0	0	0	56	0.56
	Bowfin	0	16	0	0	0	0	16	0.16
	Carp, Common	0	2	0	0	0	0	2	0.02
	Catfish, Freshwater family	115	70	0	0	0	0	185	1.84
	Crappie, Black	139	81	0	103	0	0	323	3.21
	Croaker, Atlantic	148	447	0	0	0	0	595	5.92
	Drum, Black	4	0	0	0	0	0	4	0.04
	Drum, Red	36	11	0	245	0	0	292	2.90
	Flounder, Lefteye family	0	0	0	13	0	0	13	0.07
	Flounder, Southern	274	17	8	1,954	0	0	2,253	22.41
	Gar, Longnose	0	45	0	0	0	0	45	0.45
	Mackerel, Spanish	8	2	0	4	0	0	14	0.14
	Mullet, Striped	13	1	0	0	0	0	14	0.14
	Perch, White	173	150	0	0	0	0	323	3.21
	Perch, Yellow	6	9	0	0	0	0	15	0.15
	Pickrel, Chain	0	2	0	0	0	0	2	0.02
	Pickrel, Redfin	0	1	0	0	0	0	1	0.01
	Pigfish	0	6	0	0	0	0	6	0.06
	Pinfish	3	44	0	0	0	0	47	0.47
	Seatrout, Spotted	84	29	8	581	0	0	702	6.98
	Spot	15	17	0	0	0	0	32	0.32
	Sunfish genus	1,102	2,429	0	0	0	0	3,531	35.12
	Total	2,367	3,948	27	3,649	62	0	10,053	100.00

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

Year	Common Name	Harvest	Discards					No. Of Fish	Percent Total
			Legal Sized	Over Creel	Sub-Legal	Slot-Limit	Over-Sized		
2009	Bass, Hybrid Striped	8	2	0	0	0	0	10	0.05
	Bass, Largemouth	8	563	0	130	0	0	701	3.83
	Bass, Striped	96	348	1	506	103	0	1,054	5.76
	Bluefish	17	66	0	0	0	0	83	0.45
	Bowfin	0	38	0	0	0	0	38	0.21
	Carp, Common	0	3	0	0	0	0	3	0.02
	Catfish, Freshwater family	2,104	72	0	0	0	0	2,176	11.89
	Crappie, Black	136	46	0	23	0	0	205	1.12
	Croaker, Atlantic	2,134	396	0	0	0	0	2,530	13.82
	Drum, Black	28	0	0	0	0	0	28	0.15
	Drum, Red	35	26	7	339	0	0	407	2.22
	Eel, American	0	1	0	0	0	0	1	0.01
	Flounder, Southern	427	23	0	1,766	0	0	2,216	12.10
	Gar, Longnose	0	16	0	0	0	0	16	0.09
	Mackerel, Spanish	31	8	0	0	0	0	39	0.21
	Mullet, Striped	1	4	0	0	0	0	5	0.03
	Perch, White	1,183	38	0	0	0	0	1,221	6.67
	Perch, Yellow	2	3	0	0	0	0	5	0.03
	Pickrel, Chain	0	2	0	0	0	0	2	0.01
	Pickrel, Redfin	0	3	0	0	0	0	3	0.02
	Pinfish	0	21	0	0	0	0	21	0.11
	Seatrout, Spotted	1,416	125	34	1,487	0	0	3,062	16.73
	Shad, American	4	0	0	0	0	0	4	0.02
	Shad, Gizzard	0	4	0	0	0	0	4	0.02
	Shad, Hickory	3	19	0	0	0	0	22	0.12
	Spot	2,048	59	0	0	0	0	2,107	11.51
	Sunfish genus	904	1,423	0	0	0	0	2,327	12.71
	Tarpon	0	7	0	0	0	0	7	0.04
	Weakfish	6	0	0	4	0	0	10	0.05
	Total	10,591	3,290	42	4,281	103	0	18,307	100.00

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

Year	Common Name	Harvest	Discards					No. Of Fish	Percent Total
			Legal Sized	Over Creel	Sub-Legal	Slot-Limit	Over-Sized		
2008	Bass, Hybrid Striped	4	0	0	0	0	0	4	0.03
	Bass, Largemouth	52	824	2	206	0	0	1,084	8.13
	Bass, Striped	59	292	23	971	4	0	1,349	10.11
	Bluefish	24	84	0	0	0	0	108	0.81
	Bowfin	0	38	0	0	0	0	38	0.28
	Catfish, Freshwater family	118	331	0	0	0	0	449	3.37
	Crappie, Black	238	65	0	44	0	0	347	2.60
	Croaker, Atlantic	198	274	0	0	0	0	472	3.54
	Drum, Black	94	6	0	0	0	0	100	0.75
	Drum, Red	30	34	6	294	0	0	364	2.73
	Eel, American	0	7	0	0	0	0	7	0.05
	Flounder, Southern	395	18	0	2,278	0	0	2,691	20.17
	Gar, Longnose	0	17	0	0	0	0	17	0.13
	Mackerel, Spanish	48	5	0	156	0	0	209	1.57
	Mullet, Striped	6	2	0	0	0	0	8	0.06
	Perch, White	145	12	0	0	0	0	157	1.18
	Perch, Yellow	0	4	0	0	0	0	4	0.03
	Pickrel, Chain	0	10	0	0	0	0	10	0.07
	Seatrout, Spotted	1,210	55	42	1,664	0	0	2,971	22.27
	Shad, American	39	0	0	0	0	0	39	0.29
	Shad, Gizzard	0	4	0	0	0	0	4	0.03
	Shad, Hickory	67	34	0	0	0	0	101	0.76
	Spot	98	29	0	0	0	0	127	0.95
	Sunfish genus	906	1,650	0	0	0	0	2,556	19.16
	Weakfish	38	8	0	79	0	0	125	0.94
	Total	3,769	3,773	73	5,722	4	0	13,341	100.00

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

Year	Common Name	Harvest	Discards					No. Of Fish	Percent Total
			Legal Sized	Over Creel	Sub-Legal	Slot-Limit	Over-Sized		
2007	Bass, Hybrid Striped	14	0	0	171	0	0	185	1.17
	Bass, Largemouth	71	1,025	2	315	0	0	1,413	8.90
	Bass, Striped	192	96	12	2,139	0	0	2,439	15.36
	Bluefish	30	155	0	0	0	0	185	1.17
	Bowfin	0	101	0	0	0	0	101	0.64
	Catfish, Freshwater family	114	343	0	0	0	0	457	2.88
	Crappie, Black	210	60	0	16	0	0	286	1.80
	Creek Chubsucker	0	3	0	0	0	0	3	0.02
	Croaker, Atlantic	199	405	0	0	0	0	604	3.80
	Drum, Red	66	55	7	532	0	0	660	4.16
	Eel, American	0	0	0	1	0	0	1	0.01
	Flounder, Southern	170	33	2	1,382	0	0	1,587	9.99
	Gar, Longnose	0	27	0	0	0	0	27	0.17
	Mackerel, Spanish	0	1	0	0	0	0	1	0.01
	Mullet, Striped	10	17	0	0	0	0	27	0.17
	Perch, White	265	118	0	0	0	0	383	2.41
	Perch, Yellow	5	21	0	0	0	0	26	0.16
	Pickrel, Chain	0	10	0	0	0	0	10	0.06
	Pickrel, Redfin	2	6	0	0	0	0	8	0.05
	Pinfish	0	15	0	0	0	0	15	0.09
	Seatrout genus	0	0	0	2	0	0	2	0.01
	Seatrout, Spotted	1,578	60	19	2,010	0	0	3,667	23.09
	Shad, American	15	1	0	0	0	0	16	0.10
	Shad, Gizzard	0	2	0	0	0	0	2	0.01
	Shad, Hickory	6	11	0	0	0	0	17	0.11
	Spot	232	245	0	0	0	0	477	3.00
	Sunfish genus	970	2,249	0	0	0	0	3,219	20.27
	Weakfish	16	1	0	43	0	0	60	0.38
	Total	4,165	4,981	42	6,690	0	0	15,878	100.00

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

Target Species	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	Percent of all years
Bass, Largemouth	12.2	18.0	18.8	16.6	14.2	13.8	11.4	8.0	11.2	9.6	18.4	14.2	14.06
Bass, Striped	2.3	7.4	19.1	21.7	25.4	18.3	20.1	15.7	19.7	44.1	31.4	18.8	18.95
Bass, White	0	0	0	0	0.1	0	0	0	0	0	0	0	<0.01
Bluefish	0	0	0.1	0	0	0	<0.01	0.5	0	0	0	0	0.07
Bluegill	0	0.3	0.6	0.8	0.6	1.0	0.7	0	0	0	0	0	0.32
Bowfin	0	0	0.1	0	0	0.2	0.1	0	0.1	0	0	0	0.03
Carp, Common	0	0	0.1	0	0	0	0	0	0	0	0	0	0.01
Catfish, Blue	0	0	0.2	0.1	0	0	0	0	0	0	0	0	0.03
Catfish, Channel	0	0	0.0	0.1	0	0	0	0	0	0	0	0	0.01
Catfish, Flathead	0	0	0	0.1	0	0	0	0	0	0	0	0	0.01
Catfish, Freshwater family	1.9	6.7	8.6	4.1	6.2	11.9	7.6	7.9	6.8	0.8	1.1	0.8	5.47
Crappie, Black	1.5	3.5	3.1	2.8	2.4	2.8	3.1	1.6	2	3.3	3.3	2.4	2.61
Croaker, Atlantic	0.1	0	0.1	0	0.2	0.0	0.2	0	0.1	0.2	0.6	0	0.12
Drum, Black	0.3	0.5	0.3	0.1	0.8	0	0.1	0.2	0.2	0.1	0.2	0.1	0.27
Drum, Red	6.3	2.2	2.2	2.6	0.7	0.6	0.8	2.2	1.6	1.2	3.3	1.5	2.25
Eel, American	0	0	0	0	0	0	0	0	0	0.1	0	0	<0.01
Flounder, Lefteye family	2.4	2.7	5.3	3.4	4.1	2.3	5.3	4.3	4.3	9.5	16.5	9.8	5.50
Flounder, Summer	0	0.1	0	0	0	1.0	0	0.2	0	0	0	0	0.08
Gar, Longnose	0.2	0	0.2	0.1	0.1	0.1	0	0	0	0	0	0	0.05
Mackerel, Spanish	0.5	0.2	0.2	0	0	0	0.1	0.1	0	0.5	0.7	0.6	0.22
Mullet genus	0	0	0	0.1	0	0	0	0	0	0	0	0	0.01
Mullet, Striped	0.2	0	0	0	0	0.1	0	0	0.1	0.2	0	0	0.05
Perch, White	1.0	1.7	2.4	2.7	3.2	1.0	1.1	0.4	1.2	3.4	1.8	1.2	1.72
Perch, Yellow	0	0.2	0.1	0.0	0.1	0.2	0	0	0	0.1	0	0	0.05
Pinfish	0	0	0	0	0	0	0	0	<0.1	0	0	0	<0.01
Ray, Cownose	0	0	0	0	0	0	0	0	<0.1	0	0	0	<0.01
Seatrout, Spotted	50.7	32.2	8.3	22.0	15.1	7.0	18.7	28.3	26.3	10.2	9.1	40.1	23.57
Shad genus	15.7	18.8	18.7	14.3	14.0	29.6	22.3	24.6	9.7	0	0	0	14.56
Shad, American	1.1	0.2	4.2	2.4	6.9	0.7	1.0	0.4	1.3	8.4	0	0	2.02
Shad, Gizzard	0	0	0	0	0.3	0.2	0.1	0.1	0.1	0	0	0	0.06
Shad, Hickory	0.2	0.3	1.8	1.1	0.4	0.6	0.4	0.4	7.3	0.7	1.8	2.1	1.46
Shad, Threadfin	0	0	0	0	0	0.1	0	0	0	0	0	0	<0.01
Spot	0	0	0	0.2	0.1	0.1	0.2	0.2	0	0.2	0.2	0.1	0.10
Stingray family	0	0	0.0	0	0	0	0	0	<0.1	0	0	0	<0.01
Sunfish genus	3.1	5.0	5.4	4.4	5.0	8.3	6.50	4.6	7.7	6.8	10.3	7.2	5.94
Sunfish, Pumpkinseed	0	<0.1	0	0	0	0	0	0	0	0	0	0	<0.01
Sunfish, Redbreast	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0	0.02
Sunfish, Redear	0	0.1	0	0	0.1	0.1	0	0	0	0	0	0	0.02
Tarpon	0	0	0	0	0.2	0	0.2	0.2	0.1	0.5	1.3	1	0.25
Total Number of Trips	2,035	2,599	2,149	2,240	1,910	1,030	1,639	2,483	2,123	1,125	1,808	1,433	100.00

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

Year	Month	Total Fishing Trips	Target Striped Bass Trips	Target Striped Bass Hours	Harvest ¹		Discard (numbers)				Total Catch (numbers)
					Number	Pounds	Legal-sized	Under-sized	Over-creel	Slot	
2020	Jan	7,470	237	1,154	-	-	826	762	-	769	2,357
	Feb	10,417	285	1,016	-	-	755	572	-	100	1,427
	Mar	24,425	969	5,453	-	-	1,086	4,247	-	226	5,560
	Apr ²	-	-	-	-	-	-	-	-	-	-
	May ²	-	-	-	-	-	-	-	-	-	-
	Jun	6,528	260	1,284	-	-	784	616	-	54	1,454
	Jul	9,297	578	2,521	-	-	989	1,432	-	98	2,520
	Aug	5,465	75	295	-	-	1,248	641	-	0	1,889
	Sep	8,543	158	588	-	-	575	604	-	7	1,186
	Oct	10,062	40	104	-	-	401	468	-	19	887
	Nov	7,986	78	129	-	-	529	687	-	0	1,215
	Dec	4,347	166	728	-	-	383	410	-	131	925
	Total	94,541	2,846	13,272	-	-	7,575	10,440	-	1,406	19,420
	PSE	7.8	23.5	28.1	-	-	16.8	28.7	-	39.4	
2019	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	-	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	-	-	118	930	-	15	1,063
	May	9,126	227	1,236	-	-	302	2,471	-	183	2,956
	Jun	6,133	1,248	5,953	-	-	1,000	1,583	-	-	2,583
	Jul	8,460	209	785	-	-	212	1,241	-	-	1,453
	Aug	6,818	91	347	-	-	218	1,517	-	15	1,749
	Sep	9,076	89	311	-	-	109	2,930	-	57	3,096
	Oct	9,900	-	-	-	-	332	865	-	-	1,197
	Nov	5,298	131	1,159	-	-	2,591	3,636	-	-	6,226
	Dec	12,874	311	1,488	21	139	1,211	1,427	-	306	2,965
	Total	108,903	8,820	40,580	959	3,562	7,817	24,857	924	2,481	37,039
	PSE	5.1	14.9	16.8	38.9	37.0	23.5	14.6	73.7	48.5	
2018	Jan	2,495	1,500	6,166	334	1,047	262	3,751	-	99	4,447
	Feb	17,733	4,617	21,561	1,116	3,560	490	3,549	-	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	-	37	8,980
	Jun	7,019	620	1,914	-	-	1,253	2,166	-	524	3,943
	Jul	7,582	871	4,356	11	34	1,829	1,997	-	464	4,300
	Aug	4,816	684	2,147	-	-	1,306	1,616	-	-	2,922
	Sep	3,944	70	271	-	-	167	488	-	-	655
	Oct	3,980	566	2,553	15	54	52	1,340	-	-	1,407
	Nov	3,880	543	2,030	119	461	182	2,302	-	-	2,604
	Dec	2,729	1,081	3,778	206	709	630	3,664	212	15	4,727
	Total	97,014	16,394	69,917	3,371	10,884	12,232	34,128	871	1,890	52,492
	PSE	5.5	10.5	11.6	15.7	15.2	29.1	14.3	44.3	38.4	

¹The dashes under the harvest of Striped Bass represent the prohibition in the CSMA and no catch information was collected during this time.

²Creel 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	Month	Total Fishing Trips	Target Striped Bass Trips	Target Striped Bass Hours	Harvest		Discard (numbers)				Total Catch (numbers)
					Number	Pounds	Legal-sized	Under-sized	Over-creel	Slot	
2017	Jan	14,743	2,055	7,876	158	593	88	14,351	-	73	14,670
	Feb	26,299	6,542	32,602	1,717	6,808	611	23,151	-	410	25,889
	Mar	15,728	5,208	22,649	1,290	4,765	856	11,610	-	986	14,742
	Apr	13,367	4,672	19,251	1,085	4,022	780	11,257	-	123	13,244
	May	1,847	210	748	-	-	82	1,765	-	-	1,847
	Jun	9,085	984	6,845	-	-	2,098	6,965	-	11	9,074
	Jul	11,417	629	2,932	-	-	6,197	4,525	-	348	11,070
	Aug	5,567	320	2,432	-	-	2,736	2,802	-	14	5,552
	Sep	22,527	124	649	13	48	10,238	12,062	-	107	22,420
	Oct	6,063	1,550	6,705	728	2,486	688	4,287	31	149	5,883
	Nov	8,450	2,241	9,662	1,135	4,074	792	5,623	450	-	8,000
	Dec	6,213	1,589	7,331	1,209	4,178	1,337	3,388	68	71	6,073
	Total	141,306	26,125	119,680	7,334	26,973	26,501	101,787	549	2,293	138,464
	PSE	8.9	8.4	10.3	15.8	15.5	25.5	11.5	55.4	25.4	
2016	Jan	4,980	3,329	17,342	1,344	5,214	575	10,532	-	537	12,988
	Feb	5,739	1,108	4,569	262	943	61	2,082	-	93	2,498
	Mar	24,076	4,588	24,538	635	2,186	405	6,458	-	1,230	8,727
	Apr	20,971	7,426	34,657	3,193	12,042	464	5,389	203	3,523	12,772
	May	18,068	1,196	3,558	-	-	3,058	4,011	-	-	7,069
	Jun	6,761	287	850	-	-	659	1,083	-	-	1,742
	Jul	6,433	113	479	5	17	385	1,586	-	-	1,976
	Aug	5,650	580	1,725	-	-	1,661	897	-	179	2,737
	Sep	7,280	125	126	-	-	670	4,067	-	-	4,737
	Oct	4,721	1,660	7,823	139	495	438	4,652	-	36	5,264
	Nov	4,468	666	2,996	153	540	140	3,932	-	22	4,246
	Dec	6,165	2,597	11,790	966	3,824	2,076	13,199	-	1,159	17,400
	Total	115,311	23,675	110,453	6,697	25,260	10,593	57,886	203	6,779	82,157
	PSE	4.9	9.3	12.1	21.2	19.0	18.7	12.0	100.0	31.9	
2015	Jan	5,168	2,917	11,748	709	2,613	278	3,113	-	54	4,155
	Feb	2,752	1,245	5,666	493	1,854	64	1,405	-	22	1,983
	Mar	15,483	1,422	7,253	585	2,062	268	564	-	115	1,532
	Apr	18,494	3,322	11,024	507	1,830	122	1,385	-	303	2,316
	May	19,475	514	1,455	56	211	544	36	-	107	743
	Jun	7,836	426	1,918	-	-	565	456	-	-	1,021
	Jul	7,404	335	1,583	-	-	3,470	388	-	19	3,877
	Aug	8,557	611	2,286	-	-	153	205	-	-	358
	Sep	5,357	414	1,718	-	-	1,189	1,442	-	-	2,630
	Oct	6,940	1,927	10,391	277	977	596	3,263	-	133	4,269
	Nov	6,207	1,964	9,682	526	1,904	108	3,930	-	13	4,576
	Dec	6,299	3,062	14,673	781	2,819	696	6,260	40	47	7,824
	Total	109,972	18,159	79,398	3,934	14,269	8,052	22,448	40	813	35,287
	PSE	5.5	8.9	10.6	20.3	19.6	32.4	13.9	73.7	27.0	

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

Year	Month	Total Fishing Trips	Target Striped Bass Trips	Target Striped Bass Hours	Harvest		Discard (numbers)				Total Catch (numbers)
					Number	Pounds	Legal-sized	Under-sized	Over-creel	Slot	
2014	Jan	2,280	1,259	4,973	329	1,284	58	49	-	45	482
	Feb	9,217	2,010	7,426	498	2,045	524	502	98	234	1,856
	Mar	15,889	2,673	12,722	769	3,192	604	2,392	310	709	4,783
	Apr	15,961	2,464	13,448	603	2,502	932	2,542	144	126	4,347
	May	12,216	599	2,811	-	-	733	1,032	-	20	1,785
	Jun	5,737	391	1,755	-	-	480	522	-	-	1,003
	Jul	4,361	59	89	-	-	101	187	-	-	288
	Aug	5,391	501	1,694	-	-	1,000	1,553	-	-	2,553
	Sep	2,777	256	708	-	-	2,215	75	-	-	2,290
	Oct	6,702	2,038	8,043	117	431	44	2,909	-	7	3,077
	Nov	5,412	1,475	6,583	579	2,369	929	3,937	177	93	5,715
	Dec	7,746	1,957	10,064	405	1,547	314	4,206	-	407	5,331
	Total	93,690	15,682	70,316	3,301	13,368	7,934	19,905	728	1,641	33,510
	PSE	5.6	10.1	13.1	20.4	21.5	22.7	20.8	49.0	40.3	
2013	Jan	5,932	2,541	10,032	742	2,535	136	2,471	-	253	3,602
	Feb	7,563	2,107	9,704	783	2,784	156	2,327	102	799	4,167
	Mar	33,742	3,253	13,766	808	3,021	149	1,599	-	110	2,665
	Apr	30,203	4,029	16,509	1,106	3,912	92	3,529	-	178	4,905
	May	12,042	265	899	-	-	758	1,009	-	20	1,787
	Jun	3,447	272	1,138	-	-	1,199	1,323	-	-	2,522
	Jul	5,830	668	2,203	-	-	336	1,213	-	-	1,549
	Aug	10,123	1,286	6,971	-	-	2,517	1,157	-	534	4,208
	Sep	8,496	387	1,181	-	-	4,340	2,144	-	-	6,483
	Oct	5,593	2,039	8,625	1,043	3,834	330	1,051	32	313	2,770
	Nov	6,613	1,247	5,299	487	1,672	310	693	127	81	1,699
	Dec	6,790	2,299	10,591	498	1,779	296	879	185	68	1,926
	Total	136,374	20,394	86,918	5,467	19,537	10,619	19,394	447	2,357	38,283
	PSE	5.4	8.0	8.7	12.9	13.3	29.2	13.4	43.6	27.7	
2012	Jan	6,516	3,642	14,343	1,039	3,877	377	2,908	48	619	4,990
	Feb	13,229	2,628	8,377	616	2,483	728	3,081	189	522	5,137
	Mar	22,454	2,119	7,603	406	1,585	698	1,224	-	394	2,722
	Apr	17,041	2,616	12,606	424	1,662	103	1,129	-	592	2,249
	May	10,221	1,007	3,014	34	119	1,054	2,671	-	45	3,804
	Jun	7,080	182	743	41	157	400	844	-	-	1,284
	Jul	3,940	787	2,417	-	-	6,277	2,416	-	-	8,693
	Aug	5,649	299	1,400	-	-	809	2,486	-	-	3,295
	Sep	8,503	1,040	4,612	15	58	2,247	2,719	-	30	5,011
	Oct	4,199	1,388	6,423	377	1,419	221	787	12	80	1,477
	Nov	6,165	1,105	4,041	530	2,033	314	3,273	152	171	4,441
	Dec	5,692	1,542	6,384	440	1,847	392	2,805	38	457	4,133
	Total	110,689	18,338	71,964	3,922	15,240	13,621	26,343	439	2,910	47,236
	PSE	5.1	9.2	9.9	15.5	15.2	37.3	13.1	66.8	23.0	

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

Year	Month	Total Fishing Trips	Target Striped Bass Trips	Target Striped Bass Hours	Harvest		Discard (numbers)				Total Catch (numbers)
					Number	Pounds	Legal-sized	Under-sized	Over-creel	Slot	
2011	Jan	2,033	994	3,838	179	719	89	115	-	264	647
	Feb	5,544	2,743	11,954	519	1,862	223	1,569	-	522	2,833
	Mar	5,130	1,142	4,300	97	434	150	625	-	190	1,062
	Apr	3,278	437	2,148	146	227	367	943	-	91	1,547
	May	6,479	202	465	-	-	586	849	-	43	1,478
	Jun	3,748	423	1,895	-	-	1,380	616	-	222	2,218
	Jul	3,022	177	683	-	-	550	542	-	103	1,195
	Aug	3,432	100	356	-	-	312	336	-	57	705
	Sep	951	226	554	-	-	1,025	20	-	-	1,045
	Oct	2,071	905	3,696	182	366	168	1,288	-	24	1,662
	Nov	5,547	3,330	13,356	761	2,543	278	6,720	-	178	7,937
	Dec	4,011	1,929	8,295	843	3,325	268	3,038	-	434	4,583
	Total	45,246	12,608	51,540	2,727	9,476	5,396	16,661	-	2,128	26,912
	PSE	8.9	14.5	14.9	17.3	17.3	25.3	11.9	100.0	23.6	
2010	Jan	1,524	842	3,661	258	1,104	136	242	639	-	1,202
	Feb	293	247	835	147	583	156	14	349	-	556
	Mar	2,757	1,076	4,263	413	1,674	149	153	982	6	1,649
	Apr	4,545	1,296	4,998	289	1,088	92	-	638	7	970
	May	7,494	266	1,772	263	-	758	136	78	-	477
	Jun	2,303	47	135	-	-	1,199	382	20	-	402
	Jul	3,338	62	212	-	-	336	241	198	-	439
	Aug	4,195	459	1,315	-	-	2,517	970	128	-	1,098
	Sep	3,927	-	-	-	-	4,340	55	21	-	97
	Oct	2,765	745	2,718	92	146	330	83	730	-	993
	Nov	3,450	750	2,730	140	426	310	119	794	5	1,064
	Dec	926	769	2,716	155	515	296	5	624	11	800
	Total	37,517	6,559	25,355	1,757	5,536	10,619	2,400	5,201	29	9,747
	PSE	8.6	12.8	13.9	23.0	23.0	29.2	29.6	15.8	52.3	
2009	Jan	2,090	509	2,355	78	261	377	36	236	7	496
	Feb	3,656	1,044	5,230	108	356	728	51	765	-	1,175
	Mar	4,022	667	2,588	102	379	698	47	230	-	464
	Apr	7,409	655	3,543	38	130	103	4	140	-	380
	May	5,171	419	1,770	-	-	1,054	442	359	-	801
	Jun	4,710	84	626	-	-	400	564	70	-	634
	Jul	2,951	6	29	-	-	6,277	15	67	-	82
	Aug	2,484	30	145	-	-	809	229	269	-	512
	Sep	2,420	25	149	-	-	2,247	321	1,019	-	1,340
	Oct	4,289	998	5,945	278	947	221	46	448	-	772
	Nov	4,002	836	3,097	51	181	314	13	208	-	272
	Dec	2,703	367	1,130	240	809	392	-	662	-	933
	Total	45,907	5,640	26,607	895	3,063	13,621	1,768	4,473	7	7,861
	PSE	7.7	14.0	17.8	20.2	20.2	37.3	30.9	18.9	100.0	

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

Year	Month	Total Fishing Trips	Target Striped Bass Trips	Target Striped Bass Hours	Harvest		Discard (numbers)				Total Catch (numbers)
					Number	Pounds	Legal-sized	Under-sized	Over-creel	Slot	
2008	Jan	1,826	1,198	4,325	129	388	89	-	2,910	-	3,039
	Feb	3,013	1,011	4,371	124	424	223	14	1,850	-	1,988
	Mar	5,715	436	2,053	19	66	150	-	407	-	426
	Apr	4,401	441	2,057	13	39	367	-	533	-	546
	May	7,289	765	3,568	63	235	586	919	1,973	-	2,992
	Jun	5,630	234	893	44	144	1,380	23	442	-	509
	Jul	4,539	228	924	-	-	550	1,278	208	2,838	4,324
	Aug	5,454	256	1,082	-	-	312	605	359	-	964
	Sep	2,825	68	410	-	-	1,025	170	505	-	675
	Oct	5,433	882	4,052	125	412	168	26	1,147	-	1,298
	Nov	3,700	535	2,592	142	659	278	272	1,077	-	1,494
	Dec	3,063	566	2,088	184	623	268	9	307	-	551
	Total	52,888	6,620	28,415	843	2,990	5,396	3,316	11,718	2,838	18,806
	PSE	6.9	11.6	11.8	25.6	25.6	25.3	40.0	17.3	96.2	
2007	Jan	3,621	1,527	5,084	1,019	3,095	503	1,708	-	-	3,230
	Feb	2,211	1,276	6,199	176	509	231	4,975	-	-	5,382
	Mar	4,341	1,853	8,790	424	643	53	2,157	-	-	2,634
	Apr	9,586	1,612	6,346	229	891	-	2,084	-	-	2,313
	May	8,195	877	3,694	164	802	70	3,416	-	-	3,650
	Jun	8,221	603	2,415	295	989	189	706	-	-	1,190
	Jul	6,666	814	3,365	394	1,116	274	1,735	-	-	2,403
	Aug	3,766	615	2,866	278	790	187	871	-	-	1,336
	Sep	4,133	142	838	69	205	12	320	-	-	401
	Oct	4,129	842	3,330	313	1,049	114	632	140	-	1,199
	Nov	5,255	261	998	77	249	14	1,341	7	-	1,439
	Dec	5,639	552	2,729	162	456	59	1,726	-	-	1,947
	Total	65,763	10,974	46,654	3,600	10,794	1,706	21,671	147	-	27,124
	PSE	7.7	11.1	11.1	23.7	23.7	29.9	12.2	68.1	-	

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

Year	Area	Month	Target Striped Bass Trips	Target Striped Bass Hours	Harvest		Discard (numbers)				Total Catch (numbers)
					Number	Pounds	Legal-sized	Under-sized	Over-creel	Slot	
2020 ¹	Upper	Jan	-	-	-	-	-	-	-	-	-
		Feb	-	-	-	-	-	-	-	-	-
		Mar	12	52	-	-	-	-	-	-	-
		Apr ²	-	-	-	-	-	-	-	-	-
		May ²	-	-	-	-	-	-	-	-	-
		Total	12	52	-	-	-	-	-	-	-
		PSE	100.0	100.0	-	-	-	-	-	-	-
	Middle	Jan	-	-	-	-	-	-	-	-	-
		Feb	-	-	-	-	76	-	-	-	76
		Mar	248	913	-	-	26	120	-	-	146
		Apr	-	-	-	-	-	-	-	-	-
		May	-	-	-	-	-	-	-	-	-
		Total	248	913	-	-	103	120	-	-	222
		PSE	76.6	63.7	-	-	61.1	45.7	-	-	-
	Lower	Jan	57	287	-	-	57	92	-	488	638
		Feb	32	57	-	-	151	343	-	63	557
		Mar	-	-	-	-	172	595	-	116	883
		Apr	-	-	-	-	-	-	-	-	-
		May	-	-	-	-	-	-	-	-	-
		Jun	93	544	-	-	234	453	-	54	741
		Jul	439	1,966	-	-	531	1,029	-	68	1,658
		Aug	-	-	-	-	235	147	-	0	382
		Sep	-	-	-	-	149	191	-	7	348
		Oct	-	-	-	-	-	320	-	11	330
		Nov	-	-	-	-	11	35	-	-	46
		Dec	69	389	-	-	46	188	-	13	248
		Total	691	3,242	-	-	1,587	3,393	-	852	5,831
		PSE	32.4	37.1	-	-	28.6	32.3	-	60.5	-

¹Harvest of Striped Bass was prohibited in the CSMA and no catch information was collected during this time.

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

Year	Area	Month	Target Striped Bass Trips	Target Striped Bass Hours	Harvest		Discard (numbers)				Total Catch (numbers)
					Number	Pounds	Legal-sized	Under-sized	Over-creel	Slot	
2019	Upper	Jan	-	-	-	-	-	-	-	-	-
		Feb	-	-	-	-	-	-	-	-	-
		Mar	-	-	-	-	-	-	-	-	-
		Apr	41	94	-	-	-	-	-	-	-
		May	85	739	-	-	-	118	-	-	118
		Total	126	833	-	-	-	118	-	-	118
		PSE	62.3	88.2	-	-	-	58.1	-	-	-
	Middle	Jan	-	-	-	-	-	-	-	-	-
		Feb	667	1,416	-	-	-	21	-	-	21
		Mar	39	100	-	-	4	31	-	-	35
		Apr	11	18	-	-	-	-	-	-	-
		May	-	-	-	-	-	-	-	-	-
		Total	716	1,533	-	-	4	52	-	-	56
		PSE	51.1	44.5	-	-	100.0	51.1	-	-	-
	Lower	Jan	635	2,637	481	1,662	6	682	651	206	2,026
		Feb	801	4,017	215	739	59	4	-	152	430
		Mar	745	5,884	152	524	929	269	274	1,548	3,172
		Apr	28	166	-	-	64	26	-	15	105
		May	-	-	-	-	166	-	-	183	349
		Jun	457	2,471	-	-	1,000	420	-	-	1,420
		Jul	81	272	-	-	143	367	-	-	510
		Aug	54	134	-	-	165	243	-	15	423
		Sep	89	311	-	-	109	906	-	57	1,072
		Oct	-	-	-	-	226	238	-	-	464
		Nov	-	-	-	-	522	2,167	-	-	2,689
		Dec	66	412	-	-	793	408	-	132	1,333
		Total	2,955	16,305	849	2,925	4,182	5,731	924	2,307	13,994
		PSE	23.8	29.9	43.4	43.4	25.4	30.5	73.7	51.8	-

¹Harvest of Striped Bass was prohibited in the CSMA and no catch information was collected during this time.

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

Year	Area	Month	Target Striped Bass Trips	Target Striped Bass Hours	Harvest		Discard (numbers)				Total Catch (numbers)
					Number	Pounds	Legal-sized	Under-sized	Over-creel	Slot	
2018	Upper	Jan	-	-	-	-	-	-	-	-	-
		Feb	-	-	-	-	-	-	-	-	-
		Mar	216	1,298	-	-	-	-	-	-	-
		Apr	76	218	-	-	-	-	-	-	-
		May	534	2,265	-	-	3,393	-	-	-	3,393
		Total	827	3,781	-	-	3,393	-	-	-	3,393
		PSE	57.6	56.9	-	-	95.0	-	-	-	
	Middle	Jan	-	-	-	-	-	-	-	-	-
		Feb	840	4,727	133	496	-	90	-	113	336
		Mar	345	1,687	45	169	42	-	17	30	135
		Apr	83	342	46	171	-	10	-	19	75
		May	289	867	-	-	-	12	-	37	49
		Total	1,557	7,624	224	837	42	112	17	199	594
		PSE	33.0	34.3	41.7	41.7	87.7	82.0	100.0	61.0	
	Lower	Jan	735	2,803	162	494	252	217	-	70	702
		Feb	543	2,182	151	460	75	767	-	137	1,131
		Mar	627	3,012	177	538	350	756	-	69	1,352
		Apr	216	948	245	744	81	241	-	33	600
		May	71	439	-	-	147	373	-	-	520
		Jun	92	282	-	-	655	310	-	-	965
		Jul	451	2,132	-	-	1,350	301	-	464	2,115
		Aug	475	1,766	-	-	811	174	-	-	984
		Sep	-	-	-	-	133	148	-	-	281
		Oct	76	247	6	17	-	-	-	-	6
		Nov	60	167	-	-	-	-	-	-	-
		Dec	346	843	-	-	6	60	-	15	80
		Total	3,692	14,823	741	2,253	3,861	3,347	-	788	8,736
		PSE	15.8	18.2	27.8	27.8	29.7	20.2	-	61.6	

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

Year	Area	Month	Target Striped Bass Trips	Target Striped Bass Hours	Harvest		Discard (numbers)				Total Catch (numbers)
					Number	Pounds	Legal-sized	Under-sized	Over-creel	Slot	
2017	Upper	Jan	-	-	-	-	-	-	-	-	-
		Feb	-	-	-	-	-	-	-	-	-
		Mar	457	944	-	-	-	-	-	-	-
		Apr	571	1,404	-	-	-	-	-	-	-
		May	-	-	-	-	-	-	-	-	-
		Total	1,028	2,349	-	-	-	-	-	-	-
		PSE	43.3	42.3	-	-	-	-	-	-	-
	Middle	Jan	-	-	-	-	-	-	-	-	-
		Feb	736	2,945	62	260	16	301	-	29	407
		Mar	902	5,026	46	195	-	163	-	86	296
		Apr	499	2,001	72	305	15	19	-	15	122
		May	-	-	-	-	-	-	-	-	-
		Total	2,137	9,972	180	761	31	483	-	131	825
		PSE	23.1	30.0	42.6	27.6	70.7	32.7	-	57.4	
	Lower	Jan	550	1,386	111	430	56	366	-	73	605
		Feb	1,852	11,372	696	3,025	411	6,110	-	276	7,494
		Mar	1,022	5,950	402	1,565	576	1,663	-	537	3,178
		Apr	585	2,155	306	1,191	285	1,804	-	16	2,410
		May	70	189	-	-	-	48	-	-	48
		Jun	760	5,478	-	-	1,384	4,012	-	11	5,408
		Jul	629	2,932	-	-	5,439	2,912	-	288	8,639
		Aug	306	2,397	-	-	2,723	920	-	-	3,643
		Sep	65	386	-	-	4,131	5,393	-	107	9,631
		Oct	348	2,184	196	764	688	1,521	-	36	2,442
		Nov	830	2,554	709	2,676	401	1,716	450	-	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	16.7	21.3	25.8	24.5	26.4	21.1	60.4	34.5	

¹Harvest of Striped Bass was prohibited in the CSMA and no catch information was collected during this time.

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

Year	Area	Month	Target Striped Bass Trips	Target Striped Bass Hours	Harvest		Discard (numbers)				Total Catch (numbers)
					Number	Pounds	Legal-sized	Under-sized	Over-creel	Slot	
2016	Upper	Jan	-	-	-	-	-	-	-	-	-
		Feb	-	-	-	-	-	-	-	-	-
		Mar	70	316	-	-	-	-	-	-	-
		Apr	536	1,576	-	-	-	-	-	72	72
		May	41	41	-	-	-	-	-	-	-
		Total	647	1,933	-	-	-	-	-	72	72
		PSE	28.1	29.8	-	-	-	-	-	75.1	
	Middle	Jan	-	-	-	-	-	-	-	-	-
		Feb	-	-	15	54	-	29	-	-	44
		Mar	83	679	20	72	39	20	-	20	98
		Apr	151	324	-	-	-	37	-	-	37
		May	108	273	-	-	-	38	-	-	38
		Total	341	1,276	34	126	39	123	-	20	216
		PSE	38.0	51.6	73.5	73.5	100.0	52.3	-	100.0	
	Lower	Jan	533	1,680	357	1,331	166	1,123	-	342	1,988
		Feb	456	1,755	21	78	61	1,062	-	42	1,186
		Mar	2,191	13,462	222	828	135	2,418	-	829	3,604
		Apr	806	3,203	783	2,923	35	1,695	-	439	2,952
		May	110	579	-	-	147	402	-	-	549
		Jun	142	482	-	-	533	121	-	-	654
		Jul	65	309	-	-	326	-	-	-	326
		Aug	444	1,093	-	-	1,483	413	-	179	2,076
		Sep	100	101	-	-	88	1,103	-	-	1,191
		Oct	530	1,776	27	99	398	1,361	-	-	1,786
		Nov	65	126	19	69	-	450	-	-	468
		Dec	677	2,648	44	165	187	515	-	265	1,011
		Total	6,119	27,213	1,472	5,493	3,560	10,665	-	2,096	17,793
		PSE	20.6	29.1	58.7	37.0	28.7	21.0	-	33.6	

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

Year	Area	Month	Target Striped Bass Trips	Target Striped Bass Hours	Harvest		Discard (numbers)				Total Catch (numbers)
					Number	Pounds	Legal-sized	Under-sized	Over-creel	Slot	
2015	Upper	Jan	-	-	-	-	-	-	-	-	-
		Feb	-	-	-	-	-	-	-	-	-
		Mar	17	17	-	-	-	-	-	-	-
		Apr	292	625	171	612	-	-	-	-	171
		May	129	419	-	-	-	-	-	-	-
		Total	439	1,061	171	612	-	-	-	-	171
		PSE	45.8	39.7	75.5	75.5	-	-	-	-	
	Middle	Jan	-	-	-	-	-	-	-	-	-
		Feb	-	-	-	-	-	-	-	-	-
		Mar	-	-	17	59	-	28	-	-	45
		Apr	118	583	33	118	-	-	-	69	102
		May	-	-	-	-	89	-	-	107	196
		Total	118	583	49	178	89	28	-	176	342
		PSE	65.6	-	33.4	33.4	100.0	100.0	-	50.2	
	Lower	Jan	842	2,609	174	605	-	994	-	54	1,222
		Feb	369	1,610	33	114	-	87	-	22	142
		Mar	544	4,522	498	1,736	103	200	-	-	802
		Apr	465	1,122	-	-	-	127	-	-	127
		May	60	122	-	-	64	-	-	-	64
		Jun	197	426	-	-	-	431	-	-	431
		Jul	240	1,025	-	-	1,457	351	-	-	1,808
		Aug	542	2,236	-	-	99	32	-	-	131
		Sep	313	1,417	-	-	676	991	-	-	1,667
		Oct	922	3,401	15	51	581	448	-	102	1,145
		Nov	602	2,891	151	527	58	621	-	13	843
		Dec	862	4,722	282	981	58	594	-	21	954
		Total	5,959	26,103	1,153	4,015	3,096	4,876	-	211	9,336
		PSE	13.5	18.6	49.5	46.2	37.5	29.2	-	60.7	

¹Harvest of Striped Bass was prohibited in the CSMA and no catch information was collected during this time.

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

Year	Area	Month	Target Striped Bass Trips	Target Striped Bass Hours	Harvest		Discard (numbers)				Total Catch (numbers)
					Number	Pounds	Legal-sized	Under-sized	Over-creel	Slot	
2014	Upper	Jan	-	-	-	-	-	-	-	-	-
		Feb	-	-	-	-	-	-	-	-	-
		Mar	28	28	-	-	-	-	-	-	-
		Apr	398	809	130	589	-	-	-	-	130
		May	199	398	-	-	-	-	-	-	-
		Total	624	1,235	130	589	-	-	-	-	130
		PSE	43.1	41.8	100.0	100.0	-	-	-	-	
	Middle	Jan	-	-	-	-	-	-	-	-	-
		Feb	-	-	-	-	-	-	-	-	-
		Mar	132	468	-	-	-	37	-	-	37
		Apr	-	-	-	-	-	-	-	-	-
		May	-	-	-	-	-	-	-	-	-
		Total	132	468	-	-	-	37	-	-	37
		PSE	48.0	54.4	-	-	-	100.0	-	-	
	Lower	Jan	583	2,605	64	292	38	33	-	38	173
		Feb	978	3,181	44	203	-	208	-	24	277
		Mar	1,345	6,802	492	2,242	534	1,907	-	679	3,612
		Apr	1,114	9,098	179	816	115	385	-	82	762
		May	224	1,595	-	-	439	840	-	-	1,278
		Jun	340	1,471	-	-	299	430	-	-	729
		Jul	59	89	-	-	69	34	-	-	103
		Aug	215	1,091	-	-	872	528	-	-	1,400
		Sep	116	326	-	-	51	-	-	-	51
		Oct	864	2,817	-	-	-	376	-	-	376
		Nov	674	2,325	276	1,260	481	415	-	-	1,172
		Dec	571	2,726	44	202	151	617	-	220	1,033
		Total	7,083	34,127	1,100	5,014	3,050	5,773	-	1,044	10,966
		PSE	16.8	23.2	46.6	46.6	37.5	29.2	-	60.7	

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

Year	Area	Month	Target Striped Bass Trips	Target Striped Bass Hours	Harvest		Discard (numbers)				Total Catch (numbers)
					Number	Pounds	Legal-sized	Under-sized	Over-creel	Slot	
2013	Upper	Jan	-	-	-	-	-	-	-	-	-
		Feb	-	-	-	-	-	-	-	-	-
		Mar	39	20	-	-	-	-	-	-	-
		Apr	424	1,071	46	178	-	46	-	66	158
		May	-	-	-	-	-	-	-	-	-
		Total	463	1,091	46	178	-	46	-	66	158
		PSE	42.1	43.8	100.0	100.0	-	100.0	-	75.9	-
	Middle	Jan	-	-	-	-	-	-	-	-	-
		Feb	-	-	-	-	-	47	-	-	47
		Mar	95	362	-	-	-	103	-	25	127
		Apr	19	61	-	-	-	140	-	-	140
		May	-	-	-	-	-	-	-	-	-
		Total	114	423	-	-	-	289	-	25	314
		PSE	50.2	63.5	-	-	-	57.7	-	100.0	-
	Lower	Jan	1,429	4,401	322	1,070	24	197	-	70	612
		Feb	914	4,065	267	1,009	63	259	-	154	744
		Mar	1,146	6,119	697	2,635	80	937	-	-	1,714
		Apr	639	3,281	339	1,282	72	1,210	-	-	1,621
		May	18	22	-	-	66	39	-	-	105
		Jun	210	871	-	-	23	387	-	-	409
		Jul	602	2,086	-	-	281	1,093	-	-	1,373
		Aug	1,233	6,835	-	-	2,088	751	-	534	3,373
		Sep	264	662	-	-	223	725	-	-	948
		Oct	1,590	7,037	521	2,031	139	263	-	279	1,202
		Nov	604	2,442	181	683	201	222	127	64	795
		Dec	1,206	5,733	190	716	26	291	185	-	691
		Total	9,856	43,554	2,517	9,426	3,286	6,374	312	1,100	13,588
		PSE	12.4	13.8	21.7	21.9	25.1	26.5	57.3	53.0	-

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

Year	Area	Month	Target Striped Bass Trips	Target Striped Bass Hours	Harvest		Discard (numbers)				Total Catch (numbers)
					Number	Pounds	Legal-sized	Under-sized	Over-creel	Slot	
2012	Upper	Jan	-	-	-	-	-	-	-	-	-
		Feb	-	-	-	-	-	-	-	-	-
		Mar	-	-	-	-	-	-	-	-	-
		Apr	531	2,395	146	583	36	-	-	108	290
		May	-	-	-	-	-	-	-	-	-
		Total	531	2,395	146	583	36	-	-	108	290
		PSE	61.1	62.6	76.0	76.0	100.0	-	-	69.8	
	Middle	Jan	-	-	-	-	-	-	-	-	-
		Feb	37	37	16	63	-	-	-	-	16
		Mar	113	518	19	77	56	19	-	-	94
		Apr	-	-	19	77	-	-	-	-	19
		May	-	-	-	-	-	-	-	-	-
		Total	150	555	54	217	56	19	-	-	129
		PSE	-	-	100.0	100.0	-	-	-	-	
	Lower	Jan	1,010	4,190	494	1,722	93	961	7	74	1,630
		Feb	1,388	4,380	201	856	620	1,963	189	64	3,038
		Mar	523	1,902	91	350	30	128	-	66	315
		Apr	349	2,891	80	307	19	449	-	72	620
		May	727	2,206	-	-	129	1,851	-	45	2,025
		Jun	73	333	41	157	63	361	-	-	465
		Jul	787	2,417	-	-	6,277	2,183	-	-	8,461
		Aug	271	1,276	-	-	759	2,178	-	-	2,936
		Sep	996	4,354	15	58	1,474	1,770	-	30	3,288
		Oct	792	3,866	207	799	31	186	-	80	504
		Nov	455	1,391	83	321	55	1,090	137	75	1,440
		Dec	651	2,497	97	373	101	521	-	50	768
		Total	8,022	31,702	1,308	4,942	9,650	13,642	334	556	25,489
		PSE	15.4	15.7	28.1	26.7	51.6	21.8	70.1	30.4	

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

Year	Area	Month	Target Striped Bass Trips	Target Striped Bass Hours	Harvest		Discard (numbers)				Total Catch (numbers)
					Number	Pounds	Legal-sized	Under-sized	Over-creel	Slot	
2011 ³	Lower	Jan	300	912	52	214	-	79	-	-	131
		Feb	1,269	4,404	299	1,166	41	647	-	395	1,382
		Mar	502	1,420	-	-	-	49	-	40	89
		Apr	209	859	-	-	329	308	-	-	637
		May	184	415	-	-	277	369	-	-	646
		Jun	277	976	-	-	1,201	462	-	222	1,885
		Jul	137	482	-	-	232	252	-	103	587
		Aug	19	151	-	-	-	86	-	57	143
		Sep	96	147	-	-	189	6	-	-	195
		Oct	468	2,193	57	178	117	822	-	18	1,014
		Nov	1,147	4,544	359	1,186	28	2,792	-	70	3,249
		Dec	1,049	4,890	313	1,065	20	1,554	-	8	1,895
		Total	5,657	21,393	1,080	3,809	2,434	7,426	-	913	11,853
		PSE	18.2	16.0	33.2	33.2	38.9	16.4	-	47.3	
2010 ³	Lower	Jan	-	-	-	-	-	-	-	-	-
		Feb	-	-	-	-	-	-	-	-	-
		Mar	-	-	-	-	-	-	-	-	-
		Apr	805	2,561	71	252	-	-	-	-	71
		May	205	1,593	-	-	27	-	-	-	27
		Jun	18	61	-	-	320	-	-	-	320
		Jul	24	71	-	-	33	-	-	-	33
		Aug	357	1,116	-	-	968	103	-	-	1,071
		Sep	-	-	-	-	-	-	-	-	-
		Oct	243	1,056	13	42	52	111	-	13	189
		Nov	275	1,328	-	-	40	170	-	-	210
		Dec	413	1,391	25	67	-	315	-	-	340
		Total	2,340	9,177	109	361	1,440	699	-	13	2,261
		PSE	32.2	32.9	69.2	69.2	46.0	43.4	-	100.3	
2009 ³	Lower	Jan	-	-	-	-	-	31	-	-	31
		Feb	163	636	-	-	-	74	-	-	74
		Mar	191	736	-	-	-	-	-	-	-
		Apr	413	2,480	-	-	-	13	-	138	151
		May	383	1,587	-	-	239	83	-	-	322
		Jun	62	506	-	-	465	23	-	-	488
		Jul	-	-	-	-	-	-	-	-	-
		Aug	-	-	-	-	-	-	-	-	-
		Sep	-	-	-	-	-	-	-	-	-
		Oct	648	4,575	164	578	-	219	-	-	383
		Nov	529	2,284	-	-	-	-	-	-	-
		Dec	85	191	85	290	-	-	-	-	85
		Total	2,474	12,995	249	868	704	443	-	138	1,534
		PSE	29.8	32.3	56.8	56.8	70.9	47.0	-	99.8	

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³Only lower zone was sampled prior to 2012.

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

Year	Area	Month	Target Striped Bass Trips	Target Striped Bass Hours	Harvest		Discard (numbers)				Total Catch (numbers)
					Number	Pounds	Legal-sized	Under-sized	Over-creel	Slot	
2008 ³	Lower	Jan	536	2,068	97	301	-	1,267	-	-	1,364
		Feb	541	1,960	37	90	-	459	-	-	496
		Mar	359	1,724	12	66	-	144	-	-	156
		Apr	109	435	-	-	-	-	-	-	-
		May	407	1,801	-	-	919	1,246	-	-	2,165
		Jun	98	117	-	-	-	269	-	-	269
		Jul	164	164	641	-	1,060	-	2,838	-	-
		Aug	190	756	-	-	445	112	-	-	557
		Sep	-	-	-	-	-	-	-	-	-
		Oct	499	2,222	-	-	26	677	-	-	703
		Nov	125	767	110	562	-	548	-	-	658
		Dec	146	463	149	491	-	79	-	51	279
		Total	3,174	12,954	405	1,510	2,450	4,801	2,838	51	10,545
		PSE	19.9	20.6	46.6	46.6	53.0	36.9	96.2	99.2	
2007 ³	Lower	Jan	972	2,798	869	2,674	486	464	-	-	1,819
		Feb	384	1,774	103	216	182	135	-	-	420
		Mar	529	2,864	276	-	11	320	-	-	607
		Apr	616	3,295	135	462	-	121	-	-	256
		May	340	1,556	-	-	70	329	-	-	399
		Jun	190	619	190	678	127	32	-	-	349
		Jul	576	2,510	365	1,010	274	1,313	-	-	1,952
		Aug	431	2,114	273	774	187	704	-	-	1,164
		Sep	-	-	-	-	-	126	-	-	126
		Oct	595	1,662	259	888	114	509	140	-	1,022
		Nov	80	181	66	210	9	311	-	-	386
		Dec	252	1,593	80	203	24	494	-	-	598
		Total	4,965	20,966	2,616	7,115	1,484	4,858	140	-	9,098
		PSE	18.7	20.9	31.8	31.8	33.9	22.2	71.2	-	

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

Year	Area	Month	Target Striped Bass Trips	Target Striped Bass Hours	Harvest		Discard (numbers)				Total Catch (numbers)
					Number	Pounds	Legal-sized	Under-sized	Over-creel	Slot	
2020 ¹	Upper	Jan	-	-	-	-	-	-	-	-	-
		Feb	16	64	-	-	62	62	-	-	123
		Mar ²	543	3,374	-	-	31	2,714	-	-	2,744
		Apr ²	-	-	-	-	-	-	-	-	-
		May ²	-	-	-	-	-	29	-	-	29
		Total	599	3,439	-	-	92	2,775	-	-	2,867
		PSE	91.3	93.1	-	-	74.6	96.5	-	-	-
	Lower	Jan	180	866	-	-	731	640	-	281	1,651
		Feb	229	871	-	-	452	111	-	-	600
		Mar	166	1,114	-	-	858	804	-	-	1,661
		Apr ²	-	-	-	-	-	-	-	-	-
		May ²	-	-	-	-	-	-	-	-	-
		Jun	167	740	-	-	533	139	-	-	672
		Jul	139	555	-	-	451	378	-	-	829
		Aug	75	295	-	-	892	404	-	-	1,296
		Sep	23	180	-	-	403	91	-	-	493
		Oct	13	38	-	-	349	-	-	-	349
		Nov	78	129	-	-	72	169	-	-	242
		Dec	40	140	-	-	337	50	-	-	387
		Total	1,109	4,928	-	-	5,078	2,785	-	318	8,181
		PSE	25.4	26.0	-	-	22.7	24.3	-	52.2	-

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

Year	Area	Month	Target Striped Bass Trips	Target Striped Bass Hours	Harvest		Discard (numbers)				Total Catch (numbers)
					Number	Pounds	Legal-sized	Under-sized	Over-creel	Slot	
2019	Upper	Jan	-	-	-	-	-	-	-	-	-
		Feb	-	-	-	-	-	-	-	-	-
		Mar	282	1,250	-	-	-	98	-	-	98
		Apr	92	285	-	-	-	262	-	-	262
		May	974	4,389	29	102	-	863	-	-	892
		Total	974	4,389	29	102	-	863	-	-	892
		PSE	47.2	49.8	100.0	100.0	-	52.9	-	-	
	Lower	Jan	1,153	3,414	15	101	320	2,709	-	-	3,044
		Feb	561	3,131	42	282	162	1,685	-	-	1,890
		Mar	493	2,139	-	-	245	1,671	-	-	1,915
		Apr	89	382	-	-	24	26	-	-	50
		May	143	497	-	-	4	164	-	-	168
		Jun	30	91	-	-	-	269	-	-	269
		Jul	128	513	-	-	69	785	-	-	854
		Aug	-	-	-	-	17	77	-	-	94
		Sep	-	-	-	-	-	725	-	-	725
		Oct	-	-	-	-	18	233	-	-	251
		Nov	84	340	-	-	1282	409	-	-	1,692
		Dec	246	1,077	21	139	346	657	-	174	1,197
		Total	2,927	11,583	78	521	2,486	9,411	-	174	12,149
		PSE	17.5	17.2	63.3	63.3	51.0	20.2	-	79.9	
2018	Upper	Jan	-	-	-	-	-	-	-	-	-
		Feb	781	3,125	-	-	-	-	-	-	-
		Mar	568	1,816	-	-	67	47	-	-	114
		Apr	153	632	57	436	-	69	-	-	126
		May	187	1,317	-	-	372	-	-	-	372
		Total	1,688	6,890	57	436	439	116	-	-	612
		PSE	49.3	51.3	80.2	80.2	55.8	51.2	-	-	
	Lower	Jan	737	3,141	133	404	10	3,509	-	28	3,681
		Feb	2,429	11,434	801	2,483	414	2,605	-	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	-	-	4,311
		Jun	344	1,043	-	-	590	1,105	-	524	2,219
		Jul	381	2,126	11	34	200	450	-	-	661
		Aug	194	278	-	-	165	243	-	-	408
		Sep	70	271	-	-	34	33	-	-	67
		Oct	322	1,023	-	-	-	248	-	-	248
		Nov	291	814	-	-	104	1,478	-	-	1,582
		Dec	597	2,334	184	624	625	3,174	212	-	4,195
		Total	7,586	31,658	1989	5967	3,589	22,250	854	904	29,586
		PSE	15.3	18.0	23.2	23.2	25.9	20.1	45.2	58.2	

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

Year	Area	Month	Target Striped Bass Trips	Target Striped Bass Hours	Harvest		Discard (numbers)				Total Catch (numbers)
					Number	Pounds	Legal-sized	Under-sized	Over-creel	Slot	
2017	Upper	Jan	-	-	-	-	-	-	-	-	-
		Feb	2,457	11,155	309	1,112	45	10,588	-	21	10,964
		Mar	1,912	7,542	705	2,534	70	1,652	-	303	2,730
		Apr	1,941	9,340	416	1,494	-	-	-	60	476
		May	53	149	-	-	10	-	-	-	10
		Total	6,363	28,187	1,430	5,141	126	12,240	-	385	14,181
		PSE	19.8	22.6	51.2	51.2	53.7	48.3	-	80.5	
	Lower	Jan	1,379	5,653	26	94	-	12,593	-	-	12,619
		Feb	1,402	6,736	650	2,410	124	5,229	-	84	6,087
		Mar	806	2,541	78	282	210	5,107	-	60	5,455
		Apr	974	3,942	237	857	467	5,493	-	24	6,221
		May	87	409	-	-	72	794	-	-	866
		Jun	224	1,367	-	-	702	1,454	-	-	2,156
		Jul	-	-	-	-	758	401	-	60	1,219
		Aug	15	35	-	-	13	747	-	14	775
		Sep	59	263	13	48	5,931	3,415	-	-	9,359
		Oct	1,085	3,862	485	1,572	-	1,704	-	113	2,302
		Nov	1,314	6,476	244	813	385	1,437	-	-	2,065
		Dec	929	4,373	333	1,349	736	719	-	63	1,849
		Total	8,273	35,656	2,065	7,425	9,396	39,094	-	418	50,973
		PSE	13.8	15.9	18.9	18.9	56.0	19.9	-	32.7	
2016	Upper	Jan	-	-	-	-	-	-	-	-	-
		Feb	-	-	-	-	-	-	-	-	-
		Mar	954	5,093	92	350	-	375	-	170	637
		Apr	4,928	24,501	2,109	8,036	336	1,432	203	2,707	6,786
		May	425	373	-	-	1,048	46	-	-	1,094
		Total	6,307	29,967	2,201	8,386	1,383	1,853	203	2,876	8,517
		PSE	22.7	28.6	40.1	40.1	36.3	30.0	100.0	67.8	
	Lower	Jan	2,533	14,617	949	3,750	409	6,632	-	196	8,184
		Feb	461	1,980	214	767	-	380	-	51	645
		Mar	959	3,687	276	849	196	2,295	-	212	2,979
		Apr	882	4,505	271	981	77	2,165	-	289	2,803
		May	317	1,382	-	-	1,187	1,595	-	-	2,781
		Jun	145	368	-	-	74	461	-	-	534
		Jul	48	169	-	-	-	110	-	-	110
		Aug	136	632	-	-	78	246	-	-	323
		Sep	-	-	-	-	527	2,506	-	-	3,033
		Oct	952	5,224	68	247	33	1,757	-	26	1,885
		Nov	555	2,605	-	-	-	290	-	-	290
		Dec	1,615	7,761	881	3,521	1,882	8,799	-	894	12,456
		Total	8,601	42,930	2,659	10,115	4,461	27,236	-	1,668	36,024
		PSE	12.2	14.7	26.1	27.1	33.6	21.7	-	36.0	

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

Year	Area	Month	Target Striped Bass Trips	Target Striped Bass Hours	Harvest		Discard (numbers)				Total Catch (numbers)
					Number	Pounds	Legal-sized	Under-sized	Over-creel	Slot	
2015	Upper	Jan	-	-	-	-	-	-	-	-	-
		Feb	-	-	-	-	-	-	-	-	-
		Mar	-	-	-	-	-	60	-	-	60
		Apr	1,380	5,231	175	630	-	382	-	194	751
		May	31	92	-	-	-	-	-	-	-
		Total	1,411	5,324	175	630	-	441	-	194	810
		PSE	32.5	47.0	60.0	60.0	-	41.9	-	60.2	
	Lower	Jan	1,983	8,828	499	1,886	278	1,818	-	-	2,595
		Feb	856	3,918	460	1,740	64	1,318	-	-	1,842
		Mar	690	1,922	70	267	143	276	-	115	604
		Apr	1,024	3,144	92	348	-	714	-	40	846
		May	215	722	56	211	391	-	-	-	446
		Jun	229	1,492	-	-	565	-	-	-	565
		Jul	95	558	-	-	2,004	38	-	19	2,060
		Aug	69	51	-	-	50	116	-	-	167
		Sep	100	301	-	-	455	89	-	-	544
		Oct	782	5,503	115	436	-	583	-	32	730
		Nov	1,197	6,183	277	1,048	17	2,380	-	-	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	14.0	15.0	36.3	36.3	44.1	22.2	73.7	53.4	
2014	Upper	Jan	-	-	-	-	-	-	-	-	-
		Feb	-	-	-	-	-	-	-	-	-
		Mar	-	-	-	-	-	-	-	-	-
		Apr	334	1,001	-	-	108	-	-	13	121
		May	-	-	-	-	-	-	-	-	-
		Total	334	1,001	-	-	108	-	-	13	121
		PSE	54.0	63.1	-	-	100.0	-	-	100.0	
	Lower	Jan	652	2,296	265	992	20	17	-	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	-	1,453	144	31	1,904
		May	-	-	-	-	52	104	-	20	176
		Jun	-	-	-	-	-	44	-	-	44
		Jul	-	-	-	-	28	48	-	-	77
		Aug	286	602	-	-	103	982	-	-	1,085
		Sep	132	368	-	-	703	75	-	-	778
		Oct	1,003	4,461	87	326	44	2,401	-	-	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	-	162	4,108
		Total	6,612	29,130	1,898	7,163	1,944	12,793	728	518	17,882
		PSE	15.5	15.4	21.6	21.8	28.1	29.2	49.0	35.5	

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

Year	Area	Month	Target Striped Bass Trips	Target Striped Bass Hours	Harvest		Discard (numbers)				Total Catch (numbers)
					Number	Pounds	Legal-sized	Under-sized	Over-creel	Slot	
2013	Upper	Jan	-	-	-	-	-	-	-	-	-
		Feb	-	-	-	-	-	-	-	-	-
		Mar	246	1,088	-	-	-	-	-	-	-
		Apr	1,132	4,415	217	753	20	208	-	73	517
		May	-	-	-	-	-	-	-	-	-
		Total	1,378	5,503	217	753	20	208	-	73	517
		PSE	23.4	26.7	56.5	56.4	100.0	52.4	-	74.8	
	Lower	Jan	899	4,548	371	1,298	112	2,215	-	154	2,852
		Feb	1,138	5,403	509	1,752	93	1,979	102	645	3,328
		Mar	1,711	6,134	110	386	69	513	-	80	772
		Apr	1,595	6,238	411	1,382	-	1,165	-	23	1,598
		May	82	407	-	-	366	890	-	20	1,276
		Jun	50	183	-	-	1,149	884	-	-	2,033
		Jul	63	105	-	-	-	25	-	-	25
		Aug	52	136	-	-	424	278	-	-	702
		Sep	123	519	-	-	3,808	1,391	-	-	5,199
		Oct	353	1,185	244	854	164	142	32	29	610
		Nov	498	1,679	89	313	10	194	-	-	293
		Dec	869	3,604	157	551	186	427	-	68	838
		Total	7,433	30,142	1,891	6,537	6,381	10,103	134	1,018	19,527
		PSE	13.4	13.8	21.5	21.5	46.9	18.5	57.1	27.5	
2012	Upper	Jan	-	-	-	-	-	-	-	-	-
		Feb	105	371	-	-	-	-	-	-	-
		Mar	393	846	-	-	-	89	-	-	89
		Apr	498	1,931	126	484	49	13	-	364	551
		May	73	183	-	-	-	37	-	-	37
		Total	1,069	3,332	126	484	49	139	-	364	677
		PSE	27.7	28.3	41.1	41.1	100.0	70.3	-	55.0	
	Lower	Jan	2,529	9,846	525	2,086	284	1,753	-	545	3,107
		Feb	1,013	3,218	399	1,564	108	1,052	-	458	2,018
		Mar	1,084	4,319	264	1,048	604	844	-	328	2,040
		Apr	1,168	5,081	53	210	-	419	-	48	521
		May	187	490	-	-	910	589	-	-	1,500
		Jun	110	410	-	-	306	414	-	-	720
		Jul	-	-	-	-	-	71	-	-	71
		Aug	28	124	-	-	-	91	-	-	91
		Sep	17	64	-	-	519	527	-	-	1,046
		Oct	407	1,467	54	215	166	505	-	-	726
		Nov	558	2,281	317	1,256	242	1,844	-	96	2,498
		Dec	765	3,394	310	1,357	291	2,050	17	407	3,076
		Total	7,867	30,695	1,923	7,737	3,431	10,159	17	1,882	17,412
		PSE	13.2	15.1	22.9	22.5	25.3	16.5	100.0	33.5	

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

Year	Area	Month	Target Striped Bass Trips	Target Striped Bass Hours	Harvest		Discard (numbers)				Total Catch (numbers)
					Number	Pounds	Legal-sized	Under-sized	Over-creel	Slot	
2011 ³	Lower	Jan	660	2,833	127	504	89	36	-	264	516
		Feb	1,473	7,551	210	696	182	922	-	127	1,441
		Mar	593	2,723	86	381	140	561	-	128	915
		Apr	100	492	83	-	25	518	-	91	717
		May	17	50	-	-	277	408	-	38	723
		Jun	-	-	-	-	-	-	-	-	-
		Jul	23	88	-	-	316	290	-	-	606
		Aug	81	204	-	-	305	241	-	-	546
		Sep	104	157	-	-	836	-	-	-	836
		Oct	281	910	70	-	23	320	-	-	413
		Nov	2,063	8,007	217	783	246	3,624	9	108	4,204
		Dec	814	3,243	441	1,889	248	1,142	-	368	2,199
		Total	6,209	26,258	1,234	4,253	2,687	8,062	9	1,124	13,116
		PSE	24.1	25.7	20.0	20.0	36.1	18.9	96.9	22.4	
2010 ³	Lower	Jan	736	3,469	258	1,104	242	591	-	63	1,154
		Feb	217	725	136	546	14	349	-	46	545
		Mar	1,056	4,097	396	1,581	153	982	6	95	1,632
		Apr	466	2,348	188	761	-	572	-	36	796
		May	46	69	263	-	87	29	-	-	379
		Jun	28	74	-	-	7	10	-	-	17
		Jul	38	141	-	-	195	-	-	-	195
		Aug	102	199	-	-	-	10	-	-	10
		Sep	-	-	-	-	31	10	-	21	62
		Oct	438	1,379	48	-	30	504	-	66	648
		Nov	471	1,387	111	340	79	581	5	6	782
		Dec	315	1,214	110	364	5	287	11	5	418
		Total	3,913	15,102	1,510	4,696	843	3,925	22	338	6,638
		PSE	12.4	15.7	26.1	26.1	29.7	18.9	62.8	27.4	
2009 ³	Lower	Jan	399	1,865	26	80	36	173	-	79	314
		Feb	750	4,102	78	259	51	667	-	195	991
		Mar	247	1,016	50	195	37	109	-	-	196
		Apr	212	863	-	-	-	86	-	-	86
		May	35	183	-	-	-	10	-	-	10
		Jun	23	120	-	-	33	15	-	-	48
		Jul	6	29	-	-	-	-	-	-	-
		Aug	19	117	-	-	142	222	-	-	364
		Sep	25	149	-	-	154	214	-	-	368
		Oct	190	563	19	60	46	96	-	-	161
		Nov	307	814	6	18	13	208	-	-	227
		Dec	199	653	54	182	-	547	-	14	615
		Total	2,412	10,474	233	794	512	2,347	-	288	3,380
		PSE	15.6	16.4	20.6	20.6	34.5	21.0	-	42.3	

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³Only lower zone was sampled prior to 2012.

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

Year	Area	Month	Target Striped Bass Trips	Target Striped Bass Hours	Harvest		Discard (numbers)				Total Catch (numbers)
					Number	Pounds	Legal-sized	Under-sized	Over-creel	Slot	
2008 ¹	Lower	Jan	545	1,976	7	17	-	1,231	-	-	1,238
		Feb	384	1,939	52	210	14	1,081	-	-	1,147
		Mar	42	224	8	-	-	183	-	-	191
		Apr	289	1,465	-	-	-	494	-	-	494
		May	289	1,395	52	187	-	263	-	37	352
		Jun	123	738	-	-	23	156	-	-	179
		Jul	65	283	-	-	81	199	-	-	280
		Aug	66	326	-	-	79	156	-	-	235
		Sep	68	410	-	-	87	440	-	-	527
		Oct	313	1,452	28	130	-	420	-	-	448
		Nov	375	1,683	11	39	11	369	-	-	391
		Dec	340	1,392	17	64	-	146	-	-	163
		Total	2,899	13,283	175	647	295	5,138	-	37	5,645
		PSE	12.8	13.1	40.2	40.2	38.9	17.6	-	100.0	
2007 ¹	Lower	Jan	249	1,011	41	98	17	352	-	-	410
		Feb	773	3,934	49	206	50	4,382	-	-	4,481
		Mar	1,181	5,309	100	487	42	1,589	-	-	1,731
		Apr	851	2,489	69	363	-	1,740	-	-	1,809
		May	372	1,384	72	458	-	2,812	-	-	2,884
		Jun	-	-	-	-	-	27	-	-	27
		Jul	50	181	10	32	-	111	-	-	121
		Aug	115	508	-	-	-	116	-	-	116
		Sep	46	145	-	-	-	21	-	-	21
		Oct	137	615	-	-	-	25	-	-	25
		Nov	167	703	-	-	5	532	-	-	537
		Dec	203	722	5	11	-	686	-	-	691
		Total	4,144	17,001	346	1,655	114	12,393	-	-	12,853
		PSE	17.3	14.2	35.4	35.4	45.6	18.6	-	-	

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³Only lower zone was sampled prior to 2012.

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

Year	Area	Month	Target Striped Bass Trips	Target Striped Bass Hours	Harvest		Discard (numbers)				Total Catch (numbers)
					Number	Pounds	Legal-sized	Under-sized	Over-creel	Slot	
2020 ¹	Pungo	Jan	-	-	-	-	37	30	-	-	68
		Feb	-	-	-	-	14	57	-	-	71
		Mar ²	-	-	-	-	-	15	-	110	125
		Apr ²	-	-	-	-	-	-	-	-	-
		May ²	-	-	-	-	-	-	-	-	-
		Jun	-	-	-	-	18	24	-	-	42
		Jul	-	-	-	-	7	25	-	-	33
		Aug	-	-	-	-	120	90	-	-	211
		Sep	136	408	-	-	23	322	-	-	345
		Oct	27	66	-	-	51	149	-	8	208
		Nov	-	-	-	-	445	482	-	-	927
		Dec	57	199	-	-	-	172	-	118	290
		Total	220	673	-	-	716	1,367	-	236	2,319
		PSE	65.7	64.5	-	-	38.0	25.6	-	49.0	
2019	Pungo	Jan	68	402	3	14	-	171	-	-	174
		Feb	149	861	-	-	-	103	-	-	103
		Mar	37	156	-	-	-	335	-	-	335
		Apr	-	-	-	-	30	201	-	-	231
		May	-	-	-	-	132	97	-	-	228
		Jun	760	3,390	-	-	-	894	-	-	894
		Jul	-	-	-	-	-	89	-	-	89
		Aug	38	213	-	-	36	1,197	-	-	1,233
		Sep	-	-	-	-	-	1,299	-	-	1,299
		Oct	-	-	-	-	89	393	-	-	482
		Nov	47	819	-	-	786	1,059	-	-	1,845
		Dec	-	-	-	-	72	362	-	-	435
		Total	1,099	5,842	3	14	1,146	6,200	-	-	7,349
		PSE	70.9	61.7	100.0	100.0	69.9	24.0	-	-	
2018	Pungo	Jan	28	222	39	149	-	26	-	-	64
		Feb	23	92	31	122	-	86	-	-	118
		Mar	127	740	94	363	13	1,844	-	-	1,950
		Apr	90	250	45	174	-	311	-	-	356
		May	12	55	-	-	9	187	-	-	196
		Jun	185	589	-	-	8	751	-	-	759
		Jul	39	97	-	-	278	1,246	-	-	1,523
		Aug	15	103	-	-	331	1,199	-	-	1,530
		Sep	-	-	-	-	-	307	-	-	307
		Oct	169	1,282	10	37	52	1,092	-	-	1,154
		Nov	192	1,048	119	461	78	825	-	-	1,022
		Dec	138	601	22	85	-	430	-	-	452
		Total	1,019	5,080	360	1,391	768	8,304	-	-	9,432
		PSE	28.0	26.7	31.5	31.5	34.4	21.9	-	-	

¹Harvest of Striped Bass was prohibited in the CSMA and no catch information was collected during this time.

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

Year	Area	Month	Target Striped Bass Trips	Target Striped Bass Hours	Harvest		Discard (numbers)				Total Catch (numbers)
					Number	Pounds	Legal-sized	Under-sized	Over-creel	Slot	
2017	Pungo	Jan	126	837	21	68	32	1,392	-	-	1,445
		Feb	69	236	-	-	-	923	-	-	923
		Mar	109	645	58	188	-	3,024	-	-	3,083
		Apr	102	408	54	175	13	3,941	-	7	4,015
		May	-	-	-	-	-	923	-	-	923
		Jun	-	-	-	-	12	1,498	-	-	1,510
		Jul	-	-	-	-	-	1,212	-	-	1,212
		Aug	-	-	-	-	-	1,135	-	-	1,135
		Sep	-	-	-	-	175	3,254	-	-	3,430
		Oct	118	658	46	149	-	1,062	31	-	1,139
		Nov	98	632	182	586	6	2,469	-	-	2,658
		Dec	392	1,615	289	905	383	1,749	-	4	2,426
		Total	1,013	5,031	652	2,070	622	22,582	31	11	23,898
		PSE	16.2	17.8	24.4	24.4	2.5	11.5	100.0	72.1	
2016	Pungo	Jan	263	1,045	39	132	-	2,777	-	-	2,816
		Feb	191	834	13	43	-	610	-	-	623
		Mar	153	551	25	87	24	1,337	-	-	1,387
		Apr	37	233	30	102	-	60	-	15	105
		May	68	512	-	-	88	1,930	-	-	2,018
		Jun	-	-	-	-	52	501	-	-	554
		Jul	-	-	5	17	60	1,475	-	-	1,540
		Aug	-	-	-	-	100	237	-	-	338
		Sep	26	25	-	-	56	458	-	-	514
		Oct	177	823	44	149	6	1,533	-	10	1,593
		Nov	46	265	134	471	140	3,192	-	22	3,488
		Dec	306	1,382	40	138	7	3,885	-	-	3,933
		Total	1,268	5,670	330	1,139	534	17,997	-	46	18,908
		PSE	18.0	19.1	29.3	39.5	34.1	15.6	-	60.5	
2015	Pungo	Jan	93	312	37	122	-	302	-	-	339
		Feb	20	138	-	-	-	-	-	-	-
		Mar	59	371	-	-	-	-	-	-	-
		Apr	24	137	37	122	122	-	-	-	158
		May	-	-	-	-	-	22	-	-	22
		Jun	-	-	-	-	-	25	-	-	25
		Jul	-	-	-	-	9	-	-	-	9
		Aug	-	-	-	-	4	57	-	-	60
		Sep	-	-	-	-	58	361	-	-	419
		Oct	223	1,488	147	490	15	2,232	-	-	2,394
		Nov	166	608	98	329	32	929	-	-	1,059
		Dec	126	592	96	321	39	1,110	-	-	1,246
		Total	711	3,644	414	1,383	279	5,038	-	-	5,731
		PSE	21.7	30.4	27.9	27.8	50.7	25.0	-	-	

¹Harvest of Striped Bass was prohibited in the CSMA and no catch information was collected during this time.

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

Year	Area	Month	Target Striped Bass Trips	Target Striped Bass Hours	Harvest		Discard (numbers)				Total Catch (numbers)
					Number	Pounds	Legal-sized	Under-sized	Over-creel	Slot	
2014	Pungo	Jan	24	71	-	-	-	-	-	-	-
		Feb	11	37	-	-	-	-	-	-	-
		Mar	-	-	-	-	-	-	-	-	-
		Apr	-	-	18	64	-	-	-	-	18
		May	14	70	-	-	120	71	-	-	191
		Jun	52	284	-	-	181	48	-	-	230
		Jul	-	-	-	-	3	104	-	-	107
		Aug	-	-	-	-	25	42	-	-	68
		Sep	8	14	-	-	1,460	-	-	-	1,460
		Oct	171	766	30	105	-	132	-	7	169
		Nov	83	427	99	344	145	111	-	34	388
		Dec	97	524	25	88	67	73	-	25	190
		Total	459	2,192	173	602	2,002	582	-	66	2,823
		PSE	25.3	26.9	41.8	36.2	56.3	26.5	-	56.4	
2013	Pungo	Jan	212	1,082	50	168	-	59	-	29	137
		Feb	55	237	7	23	-	41	-	-	48
		Mar	16	45	-	-	-	46	-	6	52
		Apr	128	1,043	94	317	-	679	-	16	790
		May	-	-	-	-	63	69	-	-	132
		Jun	12	84	-	-	27	52	-	-	80
		Jul	4	12	-	-	55	96	-	-	151
		Aug	-	-	-	-	5	128	-	-	133
		Sep	-	-	-	-	309	27	-	-	336
		Oct	96	403	278	948	27	646	-	6	957
		Nov	145	1,178	217	676	99	277	-	17	611
		Dec	225	1,253	151	512	84	162	-	-	397
		Total	892	5,336	796	2,644	669	2,282	-	75	3,822
		PSE	21.8	23.1	23.3	23.6	20.8	24.5	-	40.8	
2012	Pungo	Jan	103	307	20	70	-	194	-	40	254
		Feb	85	372	-	-	-	66	-	-	66
		Mar	6	17	31	110	8	144	-	-	183
		Apr	69	308	-	-	-	248	-	-	248
		May	19	135	34	119	14	193	-	-	241
		Jun	-	-	-	-	31	68	-	-	99
		Jul	-	-	-	-	-	162	-	-	162
		Aug	-	-	-	-	50	217	-	-	268
		Sep	27	193	-	-	255	423	-	-	677
		Oct	188	1,090	116	406	24	96	-	12	248
		Nov	92	369	130	456	18	340	-	15	503
		Dec	109	494	33	117	-	234	-	21	289
		Total	700	3,285	365	1,277	400	2,385	-	88	3,238
		PSE	19.6	26.0	37.4	37.4	49.4	16.9	-	46.4	

¹Harvest of Striped Bass was prohibited in the CSMA and no catch information was collected during this time.

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

Year	Area	Month	Target Striped Bass Trips	Target Striped Bass Hours	Harvest		Discard (numbers)				Total Catch (numbers)
					Number	Pounds	Legal-sized	Under-sized	Over-creel	Slot	
2011	Pungo	Jan	34	94	-	-	-	-	-	-	-
		Feb	-	-	9	-	-	-	-	-	9
		Mar	46	157	11	52	11	14	-	22	58
		Apr	128	797	63	227	13	117	-	-	193
		May	-	-	-	-	32	72	-	-	104
		Jun	146	919	-	-	180	153	-	-	333
		Jul	17	113	-	-	3	-	-	-	3
		Aug	-	-	-	-	7	9	-	-	16
		Sep	26	250	-	-	-	14	-	-	14
		Oct	156	593	56	189	27	146	-	6	235
		Nov	121	804	186	573	3	304	-	-	493
		Dec	66	162	89	371	-	342	-	58	489
		Total	740	3,889	414	1,412	276	1,171	-	86	1,947
		PSE	24.5	31.8	43.3	43.3	50.0	32.2	-	64.1	
2010	Pungo	Jan	33	94	-	-	-	47	-	-	47
		Feb	15	110	11	38	-	-	-	-	11
		Mar	7	116	17	93	-	-	-	-	17
		Apr	16	116	30	76	-	66	7	-	103
		May	12	82	-	-	23	50	-	-	73
		Jun	-	-	-	-	55	10	-	-	65
		Jul	-	-	-	-	13	198	-	-	211
		Aug	-	-	-	-	2	14	-	-	16
		Sep	-	-	-	-	24	11	-	-	35
		Oct	34	249	31	104	1	114	-	9	155
		Nov	4	17	29	86	-	44	-	-	73
		Dec	35	125	20	83	-	22	-	-	42
		Total	156	909	138	480	118	576	7	9	848
		PSE	34.4	30.3	27.6	27.6	41.9	33.2	106.9	102.4	
2009	Pungo	Jan	73	497	53	180	-	32	7	59	151
		Feb	77	492	29	96	-	23	-	57	109
		Mar	118	924	52	184	10	121	-	85	268
		Apr	15	172	38	130	4	41	-	60	143
		May	-	-	-	-	203	266	-	-	469
		Jun	-	-	-	-	66	31	-	-	97
		Jul	-	-	-	-	15	67	-	-	82
		Aug	4	49	-	-	88	47	-	14	149
		Sep	-	-	-	-	167	805	-	-	972
		Oct	99	899	95	309	-	133	-	-	228
		Nov	-	-	45	163	-	-	-	-	45
		Dec	66	507	101	337	-	115	-	17	233
		Total	452	3,540	413	1,399	553	1,681	7	292	2,946
		PSE	18.0	17.7	24.7	24.7	24.7	38.8	97.9	25.4	

¹Harvest of Striped Bass was prohibited in the CSMA and no catch information was collected during this time.

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

Year	Area	Month	Target Striped Bass Trips	Target Striped Bass Hours	Harvest		Discard (numbers)				Total Catch (numbers)
					Number	Pounds	Legal-sized	Under-sized	Over-creel	Slot	
2008	Pungo	Jan	60	336	24	70	-	412	-	-	436
		Feb	43	473	35	124	-	310	-	-	345
		Mar	28	179	-	-	-	80	-	-	80
		Apr	13	102	13	39	-	39	-	-	52
		May	43	451	11	47	-	465	-	-	476
		Jun	13	92	44	144	-	18	-	-	62
		Jul	-	-	-	-	137	9	-	-	146
		Aug	-	-	-	-	81	92	-	-	173
		Sep	-	-	-	-	83	66	-	-	149
		Oct	32	415	97	282	-	50	-	-	147
		Nov	23	156	21	59	261	159	-	3	444
		Dec	48	345	18	68	9	82	-	-	109
		Total	303	2,549	263	833	571	1,782	-	3	2,619
		PSE	20.7	22.5	29.2	29.2	44.5	21.5	-	115.5	
2007	Pungo	Jan	165	1,363	109	323	-	892	-	-	1,001
		Feb	69	485	23	87	-	458	-	-	481
		Mar	87	601	48	156	-	249	-	-	297
		Apr	85	588	25	66	-	222	-	-	247
		May	96	699	92	344	-	276	-	-	368
		Jun	191	1,266	104	311	62	647	-	-	813
		Jul	80	772	19	74	-	311	-	-	330
		Aug	34	208	5	16	-	52	-	-	57
		Sep	63	694	69	205	12	173	-	-	254
		Oct	55	672	54	161	-	98	-	-	152
		Nov	8	84	10	39	-	498	7	-	515
		Dec	58	438	77	242	35	546	-	-	658
		Total	991	7,870	635	2,024	109	4,422	7	-	5,173
		PSE	15.8	18.3	22.4	22.4	56.2	15.0	93.7	-	

¹Harvest of Striped Bass was prohibited in the CSMA and no catch information was collected during this time.

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 River by month.

Year	Area	Month	Target Striped Bass Trips	Target Striped Bass Hours	Harvest		Discard (numbers)				Total Catch (numbers)
					Number	Pounds	Legal -sized	Under-sized	Over-creel	Slot	
2020 ¹	Cape Fear	Jan	-	-	-	-	-	-	-	-	-
		Feb	8	25	-	-	-	-	-	-	-
		Mar ²	-	-	-	-	-	-	-	-	-
		Apr ²	-	-	-	-	-	-	-	-	-
		May ²	-	-	-	-	-	-	-	-	-
		Total	8	25	-	-	-	-	-	-	-
		PSE	100.0	100.0	-	-	-	-	-	-	-
2019	Cape Fear	Jan	-	-	-	-	-	-	-	-	-
		Feb	-	-	-	-	-	-	-	-	-
		Mar	-	-	-	-	-	4	-	-	4
		Apr	24	94	-	-	-	415	-	-	415
		May	-	-	-	-	-	2,064	-	-	2,064
		Total	24	94	-	-	-	2,482	-	-	2,482
		PSE	100.0	100.0	-	-	-	82.0	-	-	-
2018	Cape Fear	Jan	-	-	-	-	-	-	-	-	-
		Feb	-	-	-	-	-	-	-	-	-
		Mar	18	35	-	-	-	-	-	-	-
		Apr	-	-	-	-	-	-	-	-	-
		May	7	26	-	-	140	-	-	-	140
		Total	24	61	-	-	140	-	-	-	140
		PSE	77.1	71.5	-	-	70.8	-	-	-	-
2017	Cape Fear	Jan	-	-	-	-	-	-	-	-	-
		Feb	26	159	-	-	14	-	-	-	14
		Mar	-	-	-	-	-	-	-	-	-
		Apr	-	-	-	-	-	-	-	-	-
		May	-	-	-	-	-	-	-	-	-
		Total	26	159	-	-	14	-	-	-	14
		PSE	100.0	100.0	-	-	100.0	-	-	-	-
2016	Cape Fear	Jan	-	-	-	-	-	-	-	-	-
		Feb	-	-	-	-	-	-	-	-	-
		Mar	179	750	-	-	10	12	-	-	22
		Apr	87	315	-	-	17	-	-	-	17
		May	126	399	-	-	588	-	-	-	588
		Total	391	1,464	-	-	616	12	-	-	628
		PSE	46.4	44.4	-	-	95.8	100.0	-	-	-

¹Harvest of Striped Bass was prohibited in the CSMA and no catch information was collected during this time.

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 River by month (continued).

Year	Area	Month	Target Striped Bass Trips	Target Striped Bass Hours	Harvest ³		Discard (numbers)				Total Catch (numbers)
					Number	Pounds	Legal-sized	Under-sized	Over-creel	Slot	
2015	Cape Fear	Jan	-	-	-	-	-	-	-	-	-
		Feb	-	-	-	-	-	-	-	-	-
		Mar	110	422	-	-	22	-	-	-	22
		Apr	19	181	-	-	-	162	-	-	162
		May	79	100	-	-	-	15	-	-	15
		Total	209	702	-	-	22	176	-	-	199
		PSE	50.1	53.0	-	-	100.0	57.4	-	-	
2014	Cape Fear	Jan	-	-	-	-	-	-	-	-	-
		Feb	-	-	-	-	-	-	-	-	-
		Mar	138	582	-	-	-	-	-	-	-
		Apr	138	833	-	-	708	703	-	-	1,412
		May	161	748	-	-	122	17	-	-	139
		Total	438	2,164	-	-	830	721	-	-	1,551
		PSE	42.0	45.9	-	-	72.7	77.5	-	-	
2013	Cape Fear	Jan	-	-	-	-	-	-	-	-	-
		Feb	-	-	-	-	-	-	-	-	-
		Mar	-	-	-	-	-	-	-	-	-
		Apr	92	399	-	-	-	81	-	-	81
		May	165	470	-	-	263	11	-	-	274
		Total	257	870	-	-	263	92	-	-	355
		PSE	48.6	63.1	-	-	90.8	55.6	-	-	

¹Harvest of Striped Bass was prohibited in the CSMA and no catch information was collected during this time.

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

³A moratorium on harvest of Striped Bass in the Cape Fear River was implemented in 2012.

Table IV.11 Estimated shad effort and catch³ (in numbers) by river in the CSMA.

Year	River	Month	Effort		Catch			
			Shad genus		American Shad		Hickory Shad	
			Trips	Hours	Harvest	Released	Harvest	Released
2020 ¹	Upper Neuse River	Jan	-	-	-	-	-	-
		Feb	640	1,614	-	-	-	-
		Mar	2,166	6,407	646	199	183	57
		Apr ²	-	-	-	-	-	-
		May ²	-	-	-	-	-	-
		Total	2,806	8,021	646	199	183	57
	Middle Neuse River	Jan	-	-	-	-	-	-
		Feb	1,433	5,253	39	326	3,327	2,606
		Mar	5,609	23,526	145	2,205	9,684	47,390
		Apr ²	-	-	-	-	-	-
		May ²	-	-	-	-	-	-
		Total	7,042	28,780	184	2,531	13,011	49,996
	Lower Neuse River	Jan	-	-	-	-	-	-
		Feb	326	654	-	-	628	296
		Mar	322	1,396	-	83	311	1,878
		Apr ²	-	-	-	-	-	-
		May ²	-	-	-	-	-	-
		Total	648	2,050	-	83	939	2,173
	Upper Tar River	Jan	-	-	-	-	-	-
		Feb	1,556	4,837	-	359	16	1,456
		Mar	4,319	15,037	209	376	721	14,146
		Apr ²	-	-	-	-	-	-
		May ²	-	-	-	-	-	-
		Total	5,876	19,875	209	736	738	15,602
	Lower Tar/Pamlico	Jan	-	-	-	-	-	160
		Feb	38	296	-	-	-	32
		Mar	-	-	-	102	-	-
		Apr ²	-	-	-	-	-	-
		May ²	-	-	-	-	-	-
		Total	38	296	-	102	-	191
	Cape Fear River	Jan	-	-	-	-	-	-
		Feb	-	-	-	-	-	-
		Mar	1,050	4,453	3,582	3,740	-	-
		Apr ²	-	-	-	-	-	-
		May ²	-	-	-	-	-	-
		Total	1,050	4,453	3,582	3,740	-	-

¹Harvest of Striped Bass was prohibited in the CSMA and no catch information was collected during this time.

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

³Catch 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 catch³ (in numbers) by river in the CSMA (continued).

Year	River	Month	Shad genus		American Shad		Hickory Shad	
			Trips	Hours	Harvest	Released	Harvest	Released
2020 ¹	All Areas Combined	Jan	-	-	-	-	-	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 ²	-	-	-	-	-	-
		May ²	-	-	-	-	-	-
		Total	17,459	63,474	4,642	7,391	14,871	68,020
2019	Upper Neuse River	Jan	-	-	-	-	-	-
		Feb	653	204	-	-	-	-
		Mar	862	1,463	39	-	26	69
		Apr	194	792	111	-	-	-
		May	-	-	-	-	-	-
		Total	1,708	2,459	150	-	26	69
	Middle Neuse River	Jan	-	-	-	-	-	-
		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	-	-	-	-	-	-
		Total	4,120	14,544	65	64	2,372	8,645
	Lower Neuse River	Jan	307	677	-	-	25	-
		Feb	820	2,822	-	59	499	466
		Mar	746	2,520	-	-	1,088	1,188
		Apr	15	70	-	-	108	46
		May	-	-	-	-	-	-
		Total	1,889	6,088	-	59	1,720	1,701
	Upper Tar River	Jan	-	-	-	-	-	-
		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	-	-	-	-	-	-
		Total	5,716	13,191	552	3,120	4,240	10,401
	Lower Tar/Pamlico	Jan	-	-	-	-	-	-
		Feb	-	-	-	-	-	-
		Mar	15	33	-	-	-	-
		Apr	-	-	-	-	-	-
		May	-	-	-	-	-	4
		Total	15	33	-	-	-	4
	Cape Fear River	Jan	-	-	-	-	-	-
		Feb	-	-	-	-	-	-
		Mar	311	805	634	806	-	-
		Apr	443	1,470	1,387	2,161	-	20
		May	244	680	250	441	-	-
		Total	999	2,955	2,271	3,408	-	20

¹Harvest of Striped Bass was prohibited in the CSMA and no catch information was collected during this time.

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

³Catch 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 catch³ (in numbers) by river in the CSMA (continued).

Year	River	Month	Shad genus		American Shad		Hickory Shad	
			Trips	Hours	Harvest	Released	Harvest	Released
2019	All Areas Combined	Jan	307	677	-	-	25	-
		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	-	4
		Total	14,448	39,270	3,038	6,652	8,358	20,841
2018	Upper Neuse River	Jan	-	-	-	-	-	-
		Feb	2,655	3,038	30	-	30	-
		Mar	1,271	2,745	24	36	80	-
		Apr	24	84	-	-	-	-
		May	15	7	-	-	-	-
		Total	3,964	5,874	54	36	110	-
	Middle Neuse River	Jan	-	-	-	-	-	-
		Feb	5,145	20,422	36	217	9,573	31,837
		Mar	2,997	11,064	22	104	5,637	20,999
		Apr	574	970	-	-	319	399
		May	-	-	-	-	-	-
		Total	8,716	32,457	58	322	15,529	53,451
	Lower Neuse River	Jan	-	-	-	-	-	-
		Feb	87	342	-	-	234	56
		Mar	586	2,141	-	-	1,364	4,415
		Apr	-	-	-	-	32	21
		May	-	-	-	-	-	-
		Total	673	2,483	-	-	1,630	4,493
	Upper Tar River	Jan	-	-	-	-	-	-
		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	Jan	-	-	-	-	-	-
		Feb	14	15	-	-	-	-
		Mar	-	-	-	-	50	176
		Apr	34	73	-	-	34	-
		May	-	-	-	-	-	-
		Total	48	89	-	-	85	262
	Cape Fear River	Jan	-	-	-	-	-	-
		Feb	-	-	-	-	-	-
		Mar	737	2,774	676	1,298	12	53
		Apr	1,654	7,850	4,104	2,854	-	-
		May	217	899	585	196	-	-
		Total	2,609	11,522	5,366	7,924	12	56

¹Harvest of Striped Bass was prohibited in the CSMA and no catch information was collected during this time.

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

³Catch 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 catch³ (in numbers) by river in the CSMA (continued).

Year	River	Month	Shad genus		American Shad		Hickory Shad	
			Trips	Hours	Harvest	Released	Harvest	Released
2018	All Areas Combined	Jan	-	-	-	-	-	-
		Feb	10,274	27,105	457	1,090	10,033	33,551
		Mar	8,086	25,620	860	1,829	7,631	29,703
		Apr	2,915	11,266	4,235	4,155	544	717
		May	383	1,249	610	398	-	25
		Total	21,658	65,239	6,163	11,049	18,207	64,302
2017	Upper Neuse River	Jan	-	-	-	-	-	-
		Feb	-	-	-	-	-	-
		Mar	1,146	2,725	44	11	480	273
		Apr	560	1,103	-	-	-	-
		May	-	-	-	-	-	-
		Total	1,706	3,828	44	11	480	273
	Middle Neuse River	Jan	-	-	-	-	-	-
		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	-	-	-	-	-	-
		Total	8,722	34,362	363	2,136	12,590	50,996
	Lower Neuse River	Jan	-	-	-	-	-	-
		Feb	1,104	5,957	1	-	402	426
		Mar	1,534	5,928	112	444	3,299	20,577
		Apr	-	-	-	-	-	-
		May	-	-	-	-	-	-
		Total	2,638	11,885	113	444	3,701	21,662
	Upper Tar River	Jan	-	-	-	-	-	-
		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	-	207
		May	60	77	1	-	50	1
		Total	6,101	16,748	897	2,210	1,680	7,108
	Lower Tar/Pamlico	Jan	-	-	-	-	-	-
		Feb	22	160	-	7	-	-
		Mar	-	-	-	-	-	-
		Apr	52	129	1	-	15	16
		May	-	-	-	-	-	-
		Total	74	290	1	7	15	16
	Cape Fear River	Jan	-	-	-	-	-	-
		Feb	623	2,481	319	389	-	-
		Mar	427	1,647	617	2,147	14	-
		Apr	319	1,837	416	133	-	-
		May	-	-	-	-	-	-
		Total	1,368	5,965	1,352	2,669	14	-

¹Harvest of Striped Bass was prohibited in the CSMA and no catch information was collected during this time.

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

³Catch 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 catch³ (in numbers) by river in the CSMA (continued).

Year	River	Month	Shad genus		American Shad		Hickory Shad	
			Trips	Hours	Harvest	Released	Harvest	Released
2017	All Areas Combined	Jan	-	-	-	-	-	-
		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	-	50	1
		Total	20,609	73,077	2,769	7,477	18,480	80,056
2016	Upper Neuse River	Jan	-	-	-	-	-	-
		Feb	172	144	-	-	-	-
		Mar	1,235	2,601	90	50	898	150
		Apr	643	1,174	102	282	-	-
		May	171	488	-	798	-	-
		Total	2,221	4,406	192	1,144	898	136
	Middle Neuse River	Jan	-	-	-	-	-	-
		Feb	1,191	2,783	-	-	505	249
		Mar	4,454	13,958	60	280	7,651	28,168
		Apr	151	27	-	-	-	-
		May	-	-	-	-	-	-
		Total	5,795	16,768	60	279	8,157	28,418
	Lower Neuse River	Jan	-	-	-	-	-	-
		Feb	362	996	-	-	21	42
		Mar	1,212	5,042	-	-	1,777	1,498
		Apr	-	-	-	-	-	-
		May	-	-	-	-	-	-
		Total	1,573	6,038	-	-	1,798	1,540
	Upper Tar River	Jan	-	-	-	-	-	-
		Feb	495	315	-	-	-	-
		Mar	2,748	9,309	492	1,043	1,186	11,531
		Apr	1,711	8,026	559	1,776	223	-
		May	241	282	-	-	-	-
		Total	5,195	17,932	1,051	2,820	1,409	11,531
	Lower Tar/Pamlico	Jan	-	-	-	-	-	-
		Feb	8	35	-	-	-	-
		Mar	34	155	-	-	-	-
		Apr	-	-	-	-	-	-
		May	-	-	-	-	-	-
		Total	42	191	-	-	-	-
	Cape Fear River	Jan	-	-	-	-	-	-
		Feb	29	72	-	-	-	-
		Mar	2,321	10,072	5,157	4,114	-	-
		Apr	2,294	11,354	4,682	7,144	-	-
		May	406	1,009	405	129	-	-
		Total	5,050	22,507	10,244	11,388	-	-

¹Harvest of Striped Bass was prohibited in the CSMA and no catch information was collected during this time.

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

³Catch 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 catch³ (in numbers) by river in the CSMA (continued).

Year	River	Month	Shad genus		American Shad		Hickory Shad	
			Trips	Hours	Harvest	Released	Harvest	Released
2016	All Areas Combined	Jan	-	-	-	-	-	-
		Feb	2,257	4,345	-	-	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	-
		May	818	1,779	405	927	-	-
		Total	19,877	67,842	11,547	15,631	12,262	41,684
2015	Upper Neuse River	Jan	-	-	-	-	-	-
		Feb	-	-	-	-	-	-
		Mar	2,378	4,123	28	16	1,562	172
		Apr	712	1,245	65	92	768	163
		May	41	154	-	-	-	-
		Total	3,131	5,522	94	107	2,330	335
	Middle Neuse River	Jan	-	-	-	-	-	-
		Feb	365	420	-	-	-	-
		Mar	3,259	10,237	-	17	5,299	9,882
		Apr	1,025	3,452	-	13	2,742	2,100
		May	-	-	-	-	-	-
		Total	4,649	14,109	-	30	8,040	11,981
	Lower Neuse River	Jan	-	-	-	-	-	-
		Feb	142	362	-	-	-	-
		Mar	95	286	-	-	48	-
		Apr	-	-	-	-	-	-
		May	-	-	-	-	-	-
		Total	237	648	-	-	48	-
	Upper Tar River	Jan	-	-	-	-	-	-
		Feb	121	302	-	-	-	-
		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	-	100
		Total	3,682	9,652	1,006	3,917	864	4,821
	Lower Tar/Pamlico	Jan	-	-	-	-	-	-
		Feb	-	-	-	-	-	-
		Mar	-	-	-	-	-	-
		Apr	-	-	-	-	-	-
		May	-	-	-	-	-	-
		Total	-	-	-	-	-	-
	Cape Fear River	Jan	-	-	-	-	-	-
		Feb	-	-	-	-	-	-
		Mar	1,616	6,635	2,061	1,394	12	2
		Apr	1,488	6,405	1,860	4,993	-	-
		May	307	890	215	-	-	-
		Total	3,411	13,930	4,136	6,388	12	2

¹Harvest of Striped Bass was prohibited in the CSMA and no catch information was collected during this time.

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

³Catch 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 catch³ (in numbers) by river in the CSMA (continued).

Year	River	Month	Shad genus		American Shad		Hickory Shad	
			Trips	Hours	Harvest	Released	Harvest	Released
2015	All Areas Combined	Jan	-	-	-	-	-	-
		Feb	628	1,084	-	-	-	-
		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	-	100
		Total	15,111	43,861	5,235	10,442	11,293	17,138
2014	Upper Neuse River	Jan	-	-	-	-	-	-
		Feb	-	-	-	-	-	-
		Mar	1,740	4,616	-	616	402	737
		Apr	629	686	-	-	-	-
		May	-	-	-	-	-	-
		Total	2,369	5,302	-	616	402	737
	Middle Neuse River	Jan	-	-	-	-	-	-
		Feb	1,681	3,028	128	185	1,130	2,596
		Mar	4,307	11,318	-	73	5,219	11,347
		Apr	570	1,150	-	-	74	60
		May	-	-	-	-	-	-
		Total	6,558	15,495	128	261	6,424	14,000
	Lower Neuse River	Jan	-	-	-	-	-	-
		Feb	3,046	9,084	-	-	6,429	12,536
		Mar	1,542	3,389	285	120	2,024	775
		Apr	222	260	-	-	-	-
		May	-	-	-	-	-	-
		Total	4,810	12,733	285	120	8,453	13,311
	Upper Tar River	Jan	-	-	-	-	-	-
		Feb	425	1,378	-	-	-	-
		Mar	1,118	2,570	112	1,207	123	711
		Apr	1,011	2,949	56	107	218	1,340
		May	-	-	-	-	-	-
		Total	2,554	6,897	168	1,314	341	2,052
	Lower Tar/Pamlico	Jan	-	-	-	-	-	-
		Feb	40	7	-	-	-	-
		Mar	37	132	-	-	-	-
		Apr	-	-	-	-	-	-
		May	-	-	-	-	-	-
		Total	78	138	-	-	-	-
	Cape Fear River	Jan	-	-	-	-	-	-
		Feb	-	-	-	-	-	-
		Mar	559	1,366	372	-	-	-
		Apr	1,898	9,161	5,400	9,719	-	-
		May	553	1,914	1,680	1,306	-	-
		Total	3,010	12,441	7,453	11,025	-	-

¹Harvest of Striped Bass was prohibited in the CSMA and no catch information was collected during this time.²Creel sampling was suspended from March 18, 2020 through June 1, 2020, due to the State of North Carolina COVID-19 Safety Protocols.³Catch 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 catch³ (in numbers) by river in the CSMA (continued).

Year	River	Month	Shad genus		American Shad		Hickory Shad	
			Trips	Hours	Harvest	Released	Harvest	Released
2014	All Areas Combined	Jan	-	-	-	-	-	-
		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	-	-
		Total	19,378	53,006	8,034	13,337	15,619	30,100
2013	Upper Neuse River	Jan	-	-	-	-	-	-
		Feb	390	390	-	-	-	-
		Mar	3,350	6,311	39	173	1,448	1,828
		Apr	2,573	5,633	276	2,040	287	284
		May	570	1,473	-	570	-	-
		Total	6,883	13,807	315	2,784	1,735	2,111
	Middle Neuse River	Jan	-	-	-	-	-	-
		Feb	1,093	1,819	99	-	1,712	1,332
		Mar	5,881	14,474	337	28	8,791	10,212
		Apr	1,210	2,819	18	53	678	882
		May	-	-	-	-	-	-
		Total	8,184	19,111	454	80	11,181	12,426
	Lower Neuse River	Jan	-	-	-	-	-	-
		Feb	209	383	-	-	-	-
		Mar	619	464	619	-	-	19
		Apr	-	-	-	-	-	-
		May	-	-	-	-	-	-
		Total	828	847	619	-	-	19
	Upper Tar River	Jan	-	-	-	-	-	-
		Feb	492	594	64	64	51	25
		Mar	3,406	7,535	763	1,668	2,073	6,183
		Apr	1,866	4,814	1,050	4,397	294	923
		May	404	1,819	666	1,539	-	-
		Total	6,169	14,762	2,543	7,668	2,418	7,131
	Lower Tar/Pamlico	Jan	-	-	-	-	-	-
		Feb	-	-	-	-	-	-
		Mar	1,218	1,716	-	-	-	29
		Apr	27	88	-	-	-	-
		May	-	-	-	-	-	-
		Total	1,245	1,804	-	-	-	29
	Cape Fear River	Jan	-	-	-	-	-	-
		Feb	-	-	-	-	-	-
		Mar	7,234	29,125	6,332	22,596	-	152
		Apr	4,789	25,123	10,155	11,477	15	9
		May	741	2,833	2,157	202	-	-
		Total	12,765	57,081	18,643	34,275	15	161

¹Harvest of Striped Bass was prohibited in the CSMA and no catch information was collected during this time.

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

³Catch 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 catch³ (in numbers) by river in the CSMA (continued).

Year	River	Month	Shad genus		American Shad		Hickory Shad	
			Trips	Hours	Harvest	Released	Harvest	Released
2013	All Areas Combined	Jan	-	-	-	-	-	-
		Feb	2,184	3,186	163	64	1,763	1,357
		Mar	21,708	59,626	8,089	24,465	12,311	18,423
		Apr	10,465	38,476	11,498	17,967	1,274	2,098
		May	1,716	6,125	2,823	2,311	-	-
		Total	36,073	107,413	22,574	44,807	15,439	21,879
2012	Upper Neuse River	Jan	-	-	-	-	-	-
		Feb	1,332	1,892	-	-	551	69
		Mar	3,432	7,041	804	124	2,649	2,314
		Apr	192	242	-	289	-	41
		May	95	80	-	-	-	-
		Total	5,052	9,255	796	427	3,209	2,478
	Middle Neuse River	Jan	135	250	-	-	-	-
		Feb	3,543	12,752	-	99	2,035	5,486
		Mar	6,880	18,777	43	-	4,425	19,997
		Apr	457	455	-	-	-	-
		May	-	-	-	-	-	-
		Total	11,015	32,234	43	99	6,460	25,483
	Lower Neuse River	Jan	142	47	-	-	-	-
		Feb	5,845	5,918	-	-	467	1,072
		Mar	3,641	5,038	178	196	733	872
		Apr	-	-	-	-	-	-
		May	-	-	-	-	-	-
		Total	9,629	11,003	178	130	1,200	2,011
	Upper Tar River	Jan	44	117	-	-	-	-
		Feb	1,115	2,351	61	716	38	1,644
		Mar	3,256	9,744	265	3,315	365	5,679
		Apr	343	1,096	573	311	-	-
		May	47	35	-	-	-	-
		Total	4,804	13,343	959	4,396	430	7,268
	Lower Tar/Pamlico	Jan	47	124	-	-	-	-
		Feb	220	251	-	-	-	-
		Mar	193	602	-	-	-	80
		Apr	47	78	-	-	-	-
		May	-	-	-	-	-	-
		Total	507	1,056	-	-	-	80

¹Harvest of Striped Bass was prohibited in the CSMA and no catch information was collected during this time.

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

³Catch 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 catch³ (in numbers) by river in the CSMA (*continued*).

Year	River	Month	Shad genus		American Shad		Hickory Shad	
			Trips	Hours	Harvest	Released	Harvest	Released
2012	Cape Fear River ⁴	Jan	-	-	-	-	-	-
		Feb	-	-	-	-	-	-
		Mar	-	-	-	-	-	-
		Apr	-	-	-	-	-	-
		May	-	-	-	-	-	-
		Total	-	-	-	-	-	-
2012	All Areas Combined	Jan	368	539	-	-	-	-
		Feb	12,055	23,165	61	814	3,092	8,272
		Mar	17,402	41,201	1,290	3,635	8,172	28,941
		Apr	1,040	1,872	573	600	-	41
		May	142	115	-	-	-	-
		Total	31,007	66,892	1,976	5,052	11,300	37,321

¹Harvest of Striped Bass was prohibited in the CSMA and no catch information was collected during this time.

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

³Catch 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.

⁴Cape Fear not sampled in 2012.

Table IV.12 Estimated average Striped Bass 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
2020 ¹	January	-	0.32	0.32
	February	-	0.14	0.14
	March	-	0.23	0.23
	April ²	-	-	-
	May ²	-	-	-
	June	-	0.22	0.22
	July	-	0.27	0.27
	August	-	0.35	0.35
	September	-	0.14	0.14
	October	-	0.09	0.09
	November	-	0.15	0.15
	December	-	0.21	0.21
	Annual	-	0.21	0.21
2019	January	0.11	1.01	1.12
	February	0.03	0.25	0.28
	March	0.01	0.37	0.38
	April	-	0.10	0.10
	May	-	0.32	0.32
	June	-	0.42	0.42
	July	-	0.17	0.17
	August	-	0.26	0.26
	September	-	0.34	0.34
	October	-	0.12	0.12
	November	-	1.18	1.18
	December	-	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	-	0.66	0.66
	June	-	0.56	0.56
	July	-	0.57	0.57
	August	-	0.61	0.61
	September	-	0.17	0.17
	October	-	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

¹Harvest of Striped Bass was prohibited in the CSMA and no catch information was collected during this time.

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 Bass 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	-	1.00	1.00
	June	-	1.00	1.00
	July	-	0.97	0.97
	August	-	1.00	1.00
	September	-	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	-	0.39	0.39
	June	-	0.26	0.26
	July	-	0.31	0.31
	August	-	0.48	0.48
	September	-	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	-	0.04	0.04
	June	-	0.13	0.13
	July	-	0.52	0.52
	August	-	0.04	0.04
	September	-	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

¹Harvest of Striped Bass was prohibited in the CSMA and no catch information was collected during this time.

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 Bass 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	0.05	0.15	0.20
	March	0.05	0.25	0.30
	April	0.04	0.23	0.27
	May	-	0.15	0.15
	June	-	0.17	0.17
	July	-	0.07	0.07
	August	-	0.47	0.47
	September	-	0.82	0.82
	October	0.02	0.44	0.46
	November	0.11	0.95	1.06
	December	0.05	0.64	0.69
	Annual	0.04	0.32	0.36
2013	January	0.13	0.48	0.61
	February	0.10	0.45	0.55
	March	0.02	0.06	0.08
	April	0.04	0.13	0.16
	May	-	0.15	0.15
	June	-	0.73	0.73
	July	-	0.27	0.27
	August	-	0.42	0.42
	September	-	0.76	0.76
	October	0.19	0.31	0.50
	November	0.07	0.18	0.26
	December	0.07	0.21	0.28
	Annual	0.04	0.24	0.28
2012	January	0.16	0.61	0.77
	February	0.05	0.34	0.39
	March	0.02	0.10	0.12
	April	0.02	0.11	0.13
	May	<0.01	0.37	0.37
	June	0.01	0.18	0.18
	July	-	2.21	2.21
	August	-	0.58	0.58
	September	<0.01	0.59	0.59
	October	0.09	0.26	0.35
	November	0.09	0.63	0.72
	December	0.08	0.65	0.73
	Annual	0.04	0.39	0.43

¹Harvest of Striped Bass was prohibited in the CSMA and no catch information was collected during this time.

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 Bass 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
2011	January	0.09	0.23	0.32
	February	0.09	0.42	0.51
	March	0.02	0.19	0.21
	April	0.04	0.43	0.47
	May	-	0.23	0.23
	June	-	0.59	0.59
	July	-	0.40	0.40
	August	-	0.21	0.21
	September	-	1.10	1.10
	October	0.09	0.71	0.80
	November	0.14	1.30	1.43
	December	0.21	0.93	1.14
	Annual	0.06	0.53	0.60
2010	January	0.17	0.62	0.79
	February	0.50	1.40	1.90
	March	0.15	0.45	0.60
	April	0.06	0.15	0.21
	May	0.04	0.03	0.06
	June	-	0.17	0.17
	July	-	0.13	0.13
	August	-	0.26	0.26
	September	-	0.02	0.02
	October	0.03	0.33	0.36
	November	0.04	0.27	0.31
	December	0.17	0.70	0.86
	Annual	0.05	0.21	0.26
2009	January	0.04	0.20	0.24
	February	0.03	0.29	0.32
	March	0.03	0.09	0.12
	April	0.01	0.05	0.05
	May	-	0.15	0.15
	June	-	0.13	0.13
	July	-	0.03	0.03
	August	-	0.21	0.21
	September	-	0.55	0.55
	October	0.06	0.12	0.18
	November	0.01	0.06	0.07
	December	0.09	0.26	0.35
	Annual	0.02	0.15	0.17

¹Harvest of Striped Bass was prohibited in the CSMA and no catch information was collected during this time.

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 Bass 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
2008	January	0.07	1.59	1.66
	February	0.04	0.62	0.66
	March	<0.01	0.07	0.07
	April	<0.01	0.12	0.12
	May	0.01	0.40	0.41
	June	0.01	0.08	0.09
	July	-	0.95	0.95
	August	-	0.18	0.18
	September	-	0.24	0.24
	October	0.02	0.22	0.24
	November	0.04	0.37	0.40
	December	0.06	0.12	0.18
	Annual	0.02	0.34	0.36
2007	January	0.28	0.61	0.89
	February	0.08	2.35	2.43
	March	0.10	0.51	0.61
	April	0.02	0.22	0.24
	May	0.02	0.43	0.45
	June	0.04	0.11	0.14
	July	0.06	0.30	0.36
	August	0.07	0.28	0.35
	September	0.02	0.08	0.10
	October	0.08	0.21	0.29
	November	0.01	0.26	0.27
	December	0.03	0.32	0.35
	Annual	0.05	0.36	0.41

¹Harvest of Striped Bass was prohibited in the CSMA and no catch information was collected during this time.

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

[illegible]

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

County	2020		2019		2018		2017		2016		2015		2014		2013		2012	
	Num	%	Num	%	Num	%	Num	%	Num	%	Num	%	Num	%	Num	%	Num	%
Upper Neuse River																		
Duplin	1	1.3	2	1.9	0	0	0	0	1	1.0	3	2.2	0	0	1	0.4	1	0.2
Durham	1	1.3	0	0	0	0	0	0	1	1.0	0	0	0	0	2	0.8	0	0
Edgecombe	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	7.4
Forsyth	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Franklin	0	0	0	0	1	1.1	0	0	0	0	3	2.2	0	0	2	0.8	9	2.1
Gaston	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gates	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Graham	0	0	0	0	0	0	0	0	0	0	0	0	1	0.9	0	0	0	0
Granville	0	0	0	0	0	0	0	0	0	0	1	0.7	0	0	1	0.4	0	0
Greene	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Guilford	0	0	0	0	0	0	0	0	0	0	0	0	2	1.8	0	0	0	0
Halifax	0	0	0	0	0	0	0	0	0	0	1	0.7	0	0	0	0	0	0
Harnett	1	1.3	2	1.9	0	0	1	1.4	0	0	0	0	0	0	4	1.7	9	2.1
Haywood	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Henderson	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hertford	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hoke	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hyde	0	0	0	0	0	0	0	0	0	0	1	0.7	0	0	0	0	0	0
Iredell	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jackson	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Johnston	22	29.3	12	11.7	23	24.2	13	18.1	19	19.6	25	18.2	23	20.4	41	17	135	31.3
Jones	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lee	0	0	1	1.0	0	0	0	0	0	0	0	0	2	1.8	1	0.4	3	0.7
Lenoir	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lincoln	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
McDowell	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Macon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madison	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Martin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mecklenburg	0	0	0	0	0	0	0	0	0	0	1	0.7	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)*.

[illegible]

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

County	2020		2019		2018		2017		2016		2015		2014		2013		2012	
	Num	%	Num	%	Num	%	Num	%	Num	%	Num	%	Num	%	Num	%	Num	%
Upper Neuse River																		
Vance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wake	11	14.7	42	40.8	33	34.7	18	25.0	43	44.3	45	32.8	39	34.5	118	49	82	19
Warren	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Washington	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Watauga	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wayne	25	33.3	41	39.8	33	34.7	35	48.6	30	30.9	49	35.8	40	35.4	60	24.9	148	34.3
Wilkes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wilson	1	1.3	0	0	1	1.1	0	0	0	0	2	1.5	0	0	0	0	2	0.5
Yadkin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Yancey	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	75	100.0	103	100.0	95	100.0	72	100.0	97	100.0	137	100.0	113	100.0	241	100.0	430	100.0

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

[illegible]

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

County	2020		2019		2018		2017		2016		2015		2014		2013		2012	
	Num	%	Num	%	Num	%	Num	%	Num	%	Num	%	Num	%	Num	%	Num	%
Middle Neuse River																		
Duplin	4	3.3	15	5.2	10	4.8	6	3.4	3	2.2	5	2.5	3	2.0	5	2.3	10	2.5
Durham	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Edgecombe	1	0.8	1	0.3	2	1.0	1	0.6	1	0.7	0	0	0	0	0	0	0	0
Forsyth	0	0	0	0	0	0	1	0.6	0	0	0	0	0	0	0	0	0	0
Franklin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gaston	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gates	2	1.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Graham	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Granville	0	0	0	0	1	0.5	0	0	0	0	0	0	0	0	0	0	0	0
Greene	16	13.0	12	4.2	11	5.3	21	11.9	15	10.8	34	16.7	13	8.7	25	11.6	82	20.6
Guilford	0	0	0	0.0	1	0.5	1	0.6	0	0	0	0	0	0	1	0.5	2	0.5
Halifax	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Harnett	1	0.8	2	0.7	1	0.5	1	0.6	1	0.7	1	0.5	0	0	0	0	2	0.5
Haywood	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Henderson	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hertford	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hoke	0	0	0	0	1	0.5	0	0	0	0.0	0	0	0	0	0	0	0	0
Hyde	0	0	0	0	0	0	1	0.6	0	0	0	0	0	0	0	0	0	0
Iredell	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jackson	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Johnston	3	2.4	13	4.5	3	1.4	3	1.7	3	2.2	4	2.0	3	2.0	0	0	11	2.8
Jones	1	0.8	13	4.5	6	2.9	4	2.3	5	3.6	6	3.0	8	5.4	9	4.2	2	0.5
Lee	1	0.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lenoir	38	30.9	76	26.5	51	24.6	37	20.9	41	29.5	58	28.6	60	40.3	87	40.5	92	23.1
Lincoln	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
McDowell	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Macon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madison	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Martin	0	0	1	0.3	0	0	0	0	0	0	0	0	0	0	1	0.5	0	0
Mecklenburg	0	0	0	0	0	0	0	0	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*).

[illegible]

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

County	2020		2019		2018		2017		2016		2015		2014		2013		2012	
	Num	%	Num	%	Num	%	Num	%	Num	%	Num	%	Num	%	Num	%	Num	%
Middle Neuse River																		
Vance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wake	0	0	2	0.7	4	1.9	9	5.1	0	0	1	0.5	0	0	0	0	4	1
Warren	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Washington	0	0	0	0	0	0	0	0	0	0	1	0.5	0	0	0	0	0	0
Watauga	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wayne	9	7.3	22	7.7	25	12.1	18	10.2	11	7.9	14	6.9	15	10.1	14	6.5	58	14.5
Wilkes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wilson	0	0	0	0	0	0	2	1.1	2	1.4	1	0.5	0	0	2	0.9	1	0.3
Yadkin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Yancey	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	123	100.0	287	100.0	207	100.0	177	100.0	139	100.0	203	100.0	149	100.0	215	100.0	399	100.0

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

[illegible]

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

County	2020		2019		2018		2017		2016		2015		2014		2013		2012	
	Num	%	Num	%	Num	%	Num	%	Num	%	Num	%	Num	%	Num	%	Num	%
Lower Neuse River																		
Duplin	17	3.0	17	2.0	27	4.4	22	2.6	12	2.2	9	1.7	3	0.7	8	1.3	11	0.9
Durham	0	0	1	0.1	0	0	0	0	0	0	0	0	0	0	1	0.2	9	0.7
Edgecombe	2	0.3	1	0.1	2	0.3	1	0.1	0	0	0	0	2	0.5	1	0.2	1	0.1
Forsyth	1	0.2	0	0	0	0	0	0	0	0	3	0.6	0	0	2	0.3	0	0
Franklin	0	0	2	0.2	2	0.3	0	0	0	0	0	0	0	0	0	0	3	0.2
Gaston	0	0	0	0	0	0	2	0.2	0	0	0	0	0	0	0	0	0	0
Gates	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Graham	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Granville	0	0	1	0.1	0	0	2	0.2	0	0	0	0	0	0	0	0	0	0
Greene	11	1.9	16	1.8	3	0.5	21	2.5	12	2.2	7	1.3	10	2.4	10	1.7	23	1.9
Guilford	0	0	2	0.2	1	0.2	0	0	0	0	2	0.4	0	0	0	0	5	0.4
Halifax	0	0	0	0	0	0	1	0.1	0	0	0	0	0	0	0	0	0	0
Harnett	1	0.2	1	0.1	1	0.2	2	0.2	1	0.2	1	0.2	2	0.5	1	0.2	0	0
Haywood	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Henderson	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hertford	0	0	0	0	0	0	0	0	1	0.2	0	0	0	0	0	0	0	0
Hoke	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hyde	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iredell	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.1
Jackson	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Johnston	11	1.9	8	0.9	7	1.1	10	1.2	2	0.4	6	1.1	10	2.4	5	0.8	18	1.5
Jones	35	6.1	62	7.1	60	9.8	56	6.5	42	7.7	37	7.0	23	5.4	30	5.1	47	3.9
Lee	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lenoir	55	9.6	61	7.0	29	4.7	58	6.8	37	6.7	40	7.6	31	7.3	41	6.9	99	8.2
Lincoln	1	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
McDowell	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Macon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madison	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Martin	1	0.2	2	0.2	0	0	2	0.2	0	0	1	0.2	0	0	1	0.2	0	0
Mecklenburg	0	0	1	0.1	2	0.3	0	0	0	0	1	0.2	1	0.2	0	0	1	0.1

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

[illegible]

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

County	2020		2019		2018		2017		2016		2015		2014		2013		2012	
	Num	%	Num	%	Num	%	Num	%	Num	%	Num	%	Num	%	Num	%	Num	%
Lower Neuse River																		
Vance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wake	5	0.9	9	1.0	3	0.5	2	0.2	4	0.7	3	0.6	4	0.9	11	1.9	12	1
Warren	0	0	0	0	0	0	0	0	0	0	0	0	1	0.2	0	0	0	0
Washington	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Watauga	0	0	0	0	0	0	0	0	0	0	2	0.4	0	0	2	0.3	0	0
Wayne	32	5.6	41	4.7	24	3.9	39	4.6	16	2.9	16	3.0	6	1.4	27	4.5	41	3.4
Wilkes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wilson	3	0.5	5	0.6	0	0	1	0.1	6	1.1	3	0.6	5	1.2	7	1.2	5	0.4
Yadkin	1	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Yancey	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	573	100.0	870	100.0	614	100.0	857	100.0	549	100.0	529	100.0	424	100.0	594	100.0	1,212	100.0

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

[illegible]

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

County	2020		2019		2018		2017		2016		2015		2014		2013		2012	
	Num	%	Num	%	Num	%	Num	%	Num	%	Num	%	Num	%	Num	%	Num	%
Upper Tar River																		
Duplin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Durham	0	0	0	0	0	0	1	0.9	0	0	0	0	0	0	1	0.5	0	0
Edgecombe	26	36.1	74	37.0	80	48.5	65	56.5	70	45.2	124	54.9	33	50.0	93	47.2	105	35.4
Forsyth	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Franklin	0	0	6	3.0	2	1.2	1	0.9	0	0	2	0.9	0	0	1	0.5	0	0
Gaston	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gates	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Graham	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Granville	0	0	1	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Greene	0	0	1	0.5	0	0	0	0	0	0	6	2.7	0	0	1	0.5	4	1.3
Guilford	0	0	1	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Halifax	0	0	1	0.5	0	0	1	0.9	2	1.3	0	0	0	0	1	0.5	1	0.3
Harnett	0	0	0	0	0	0	0	0	1	0.6	0	0	0	0	0	0	0	0
Haywood	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Henderson	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hertford	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hoke	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hyde	0	0	0	0	0	0	1	0.9	0	0	0	0	0	0	1	0.5	0	0
Iredell	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jackson	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Johnston	1	1.4	4	2.0	3	1.8	3	2.6	0	0	2	0.9	0	0	0	0	1	0.3
Jones	0	0	0	0	1	0.6	0	0	0	0	0	0	0	0	0	0	0	0
Lee	0	0	0	0	0	0	0	0	2	1.3	0	0	0	0	0	0	0	0
Lenoir	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lincoln	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
McDowell	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Macon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madison	1	1.4	3	1.5	0	0	1	0.9	2	1.3	2	0.9	0	0	0	0	0	0
Martin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mecklenburg	0	0	0	0	0	0	0	0	0	0	0	0.0	0	0	1	0.5	0	0

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

[illegible]

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

County	2020		2019		2018		2017		2016		2015		2014		2013		2012	
	Num	%	Num	%	Num	%	Num	%	Num	%	Num	%	Num	%	Num	%	Num	%
Upper Tar River																		
Vance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wake	1	1.4	12	6.0	4	2.4	4	3.5	5	3.2	8	3.5	3	4.5	12	6.1	17	5.7
Warren	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.5	1	0.3
Washington	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Watauga	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wayne	1	1.4	1	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wilkes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wilson	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Yadkin	2	2.8	16	8.0	12	7.3	8	7.0	8	5.2	10	4.4	7	10.6	8	4.1	5	1.7
Yancey	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	72	100.0	200	100.0	165	100.0	115	100.0	155	100.0	226	100.0	66	100.0	197	100	297	100

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

[illegible]

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

County	2020		2019		2018		2017		2016		2015		2014		2013		2012	
	Num	%	Num	%	Num	%	Num	%	Num	%	Num	%	Num	%	Num	%	Num	%
Lower Tar/Upper Pamlico River																		
Duplin	0	0	2	0.3	0	0	1	0.1	0	0	1	0.1	0	0	0	0	2	0.3
Durham	1	0.2	0	0	0	0	0	0.0	0	0	1	0.1	0	0	0	0	2	0.3
Edgecombe	18	3.7	17	2.5	17	2.6	20	2.7	17	3.4	16	1.8	5	2.0	26	4	31	3.9
Forsyth	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Franklin	0	0	1	0.1	0	0	2	0.3	0	0	1	0.1	0	0	0	0	1	0.1
Gaston	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gates	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Graham	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Granville	0	0	0	0	1	0.2	0	0.0	0	0	0.0	0	0	0	0	0	0	0
Greene	12	2.4	9	1.3	11	1.7	9	1.2	19	3.8	34	3.7	11	4.3	25	3.8	32	4.1
Guilford	0	0	0	0	1	0.2	0	0	1	0.2	2	0.2	0	0	0	0	1	0.1
Halifax	1	0.2	0	0	1	0.2	3	0.4	0	0	2	0.2	1	0.4	0	0	0	0
Harnett	3	0.6	0	0	2	0.3	1	0.1	0	0	0	0.0	1	0.4	2	0.3	7	0.9
Haywood	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Henderson	0	0	0	0	0	0	0	0	0	0	1	0.1	0	0	0	0	0	0
Hertford	1	0.2	4	0.6	3	0.5	0	0	0	0	0	0	0	0	0	0	2	0.3
Hoke	0	0	0	0	1	0.2	0	0	0	0	0.0	0	0	0	0	0	0	0
Hyde	0	0	2	0.3	0	0	1	0.1	0	0	0	0	0	0	1	0.2	0	0
Iredell	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jackson	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Johnston	10	2.0	10	1.4	3	0.5	4	0.5	4	0.8	17	1.9	4	1.6	7	1.1	4	0.5
Jones	1	0.2	0	0	0	0	0	0.0	0	0	0	0	0	0	0	0	1	0.1
Lee	0	0	0	0	0	0	1	0.1	0	0	0	0	0	0	0	0	3	0.4
Lenoir	8	1.6	6	0.9	9	1.4	7	0.9	7	1.4	7	0.8	0	0	3	0.5	9	1.1
Lincoln	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
McDowell	1	0.2	0	0	0	0	0	0	0	0	0	0	1	0.4	0	0	0	0
Macon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madison	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Martin	17	3.4	34	4.9	25	3.8	42	5.7	26	5.2	36	4.0	11	4.3	29	4.4	33	4.2
Mecklenburg	0	0	0	0	0	0	0	0	0	0	0	0	1	0.4	0	0	0	0

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

[illegible]

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

County	2020		2019		2018		2017		2016		2015		2014		2013		2012	
	Num	%	Num	%	Num	%	Num	%	Num	%	Num	%	Num	%	Num	%	Num	%
Lower Tar/Upper Pamlico River																		
Vance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wake	7	1.4	9	1.3	8	1.2	11	1.5	3	0.6	7	0.8	4	1.6	8	1.2	9	1.1
Warren	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Washington	0	0	1	0.1	0	0	1	0.1	2	0.4	0	0	0	0	0	0	0	0
Watauga	0	0	0	0	0	0	0	0	1	0.2	0	0	0	0	0	0	0	0
Wayne	6	1.2	9	1.3	5	0.8	12	1.6	3	0.6	26	2.9	2	0.8	9	1.4	5	0.6
Wilkes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wilson	4	0.8	20	2.9	18	2.7	14	1.9	16	3.2	39	4.3	9	3.6	17	2.6	22	2.8
Yadkin	0	0	0	0	0	0	1	0.1	0	0	0	0	0	0	0	0	0	0
Yancey	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	493	100.0	690	100.0	665	100.0	742	100.0	502	100.0	910	100.0	253	100.0	653	100.0	789	100.0

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

	2020		2019		2018		2017		2016		2015		2014		2013		2012	
County	Num	%	Num	%	Num	%	Num	%	Num	%	Num	%	Num	%	Num	%	Num	%
Pungo River																		
Alamance	0	0	0	0	1	0.3	0	0	0	0	1	0.3	0	0	0	0	0	0
Alexander	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alleghany	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Anson	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ashe	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Avery	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Beaufort	214	37.7	135	30.9	107	35.0	157	38.5	164	44.0	110	33.0	63	41.2	283	42.2	325	40.8
Bertie	9	1.6	9	2.1	1	0.3	8	2.0	0	0	9	2.7	2	1.3	6	0.9	9	1.1
Bladen	1	0.2	0	0	0	0	1	0.2	0	0	0	0	0	0	0	0	0	0
Brunswick	1	0.2	0	0	1	0.3	0	0	0	0	0	0	0	0	0	0	0	0
Buncombe	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Burke	0	0	1	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cabarrus	1	0.2	0	0	0	0	1	0.2	1	0.3	0	0	0	0	0	0	0	0
Caldwell	0	0	0	0	0	0	0	0	0	0	1	0.3	0	0	0	0	0	0
Camden	0	0	0	0	0	0	0	0	0	0	1	0.3	0	0	0	0	0	0
Carteret	1	0.2	0	0	0	0	0	0	1	0.3	0	0	0	0	1	0.1	1	0.1
Caswell	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Catawba	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chatham	0	0	0	0	2	0.7	0	0	1	0.3	0	0	0	0	0	0	1	0.1
Cherokee	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chowan	5	0.9	5	1.1	0	0	0	0	3	0.8	0	0	2	1.3	12	1.8	5	0.6
Clay	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cleveland	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Columbus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Craven	3	0.5	2	0.5	3	1.0	5	1.2	0	0	2	0.6	1	0.7	9	1.3	4	0.5
Cumberland	1	0.2	1	0.2	0	0	0	0	2	0.5	1	0.3	0	0	2	0.3	1	0.1
Currituck	0	0	1	0.2	0	0	1	0.2	0	0	0	0	0	0	0	0	0	0
Dare	0	0	0	0	1	0.3	0	0	1	0.3	1	0.3	0	0	1	0.1	0	0
Davidson	0	0	1	0.2	0	0	0	0	0	0	0	0	0	0	1	0.1	0	0
Davie	0	0	0	0	1	0.3	2	0.5	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*).

County	2020		2019		2018		2017		2016		2015		2014		2013		2012	
	Num	%	Num	%	Num	%	Num	%	Num	%	Num	%	Num	%	Num	%	Num	%
Pungo River																		
Duplin	0	0	1	0.2	1	0.3	1	0.2	0	0	0	0	0	0	0	0	0	0
Durham	0	0	2	0.5	0	0	0	0	0	0	1	0.3	1	0.7	1	0.1	0	0
Edgecombe	46	8.1	35	8.0	21	6.9	34	8.3	28	7.5	37	11.1	15	9.8	52	7.7	66	8.3
Forsyth	0	0	0	0	0	0	0	0	0	0	2	0.6	0	0	0	0	1	0.1
Franklin	2	0.4	2	0.5	0	0	6	1.5	0	0	1	0.3	0	0	2	0.3	4	0.5
Gaston	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gates	1	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Graham	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Granville	1	0.2	0	0	0	0	1	0.2	1	0.3	0	0	0	0	0	0	0	0
Greene	8	1.4	7	1.6	2	0.7	5	1.2	0	0	2	0.6	2	1.3	13	1.9	17	2.1
Guilford	1	0.2	0	0	2	0.7	2	0.5	0	0	0	0	0	0	0	0	1	0.1
Halifax	3	0.5	1	0.2	0	0	1	0.2	0	0	0	0	0	0	0	0	3	0.4
Harnett	0	0	0	0	1	0.3	0	0	0	0	0	0	0	0	1	0.1	3	0.4
Haywood	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Henderson	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hertford	2	0.4	0	0	1	0.3	1	0.2	2	0.5	0	0	2	1.3	1	0.1	4	0.5
Hoke	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hyde	3	0.5	1	0.2	2	0.7	6	1.5	4	1.1	6	1.8	0	0	8	1.2	7	0.9
Iredell	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jackson	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Johnston	4	0.7	11	2.5	6	2.0	5	1.2	8	2.1	4	1.2	1	0.7	13	1.9	13	1.6
Jones	0	0	0	0	0	0	0	0	0	0	0	0	1	0.7	0	0	0	0
Lee	0	0	0	0	1	0.3	0	0	0	0	0	0	0	0	2	0.3	0	0
Lenoir	2	0.4	1	0.2	3	1.0	1	0.2	2	0.5	2	0.6	0	0	0	0	2	0.3
Lincoln	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
McDowell	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Macon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Madison	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Martin	36	6.3	23	5.3	19	6.2	22	5.4	24	6.4	16	4.8	4	2.6	32	4.8	63	7.9
Mecklenburg	1	0.2	0	0	0	0	0	0	0	0	0	0	0	0	1	0.1	0	0

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

County	2020		2019		2018		2017		2016		2015		2014		2013		2012	
	Num	%	Num	%	Num	%	Num	%	Num	%	Num	%	Num	%	Num	%	Num	%
Pungo River																		
Mitchell	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Montgomery	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Moore	0	0	0	0	0	0	1	0.2	0	0	0	0	0	0	0	0	0	0
Nash	21	3.7	16	3.7	14	4.6	16	3.9	17	4.6	9	2.7	9	5.9	37	5.5	44	5.5
New Hanover	0	0	0	0	0	0	0	0	1	0.3	0	0	0	0	2	0.3	0	0
Northampton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.1	1	0.1
Onslow	1	0.2	0	0	1	0.3	0	0	0	0	0	0	0	0	0	0	0	0
Orange	0	0	1	0.2	0	0	0	0	1	0.3	0	0	0	0	0	0	1	0.1
Pamlico	0	0	0	0	1	0.3	0	0	0	0	0	0	0	0	0	0	0	0
Pasquotank	1	0.2	0	0	0	0	1	0.2	0	0	0	0	0	0	0	0	0	0
Pender	0	0	1	0.2	0	0	0	0	0	0	0	0	0	0	1	0.1	0	0
Perquimans	0	0	1	0.2	0	0	1	0.2	3	0.8	1	0.3	0	0	4	0.6	0	0
Person	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pitt	121	21.3	130	29.7	67	21.9	71	17.4	68	18.2	64	19.2	28	18.3	116	17.3	136	17.1
Polk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Randolph	0	0	1	0.2	0	0	0	0	1	0.3	0	0	0	0	0	0	0	0
Richmond	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Robeson	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rockingham	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rowan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rutherford	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sampson	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scotland	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stanly	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stokes	2	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Surry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Swain	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transylvania	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tyrrell	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Union	0	0	0	0	1	0.3	0	0	0	0	2	0.6	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*).

County	2020		2019		2018		2017		2016		2015		2014		2013		2012	
	Num	%	Num	%	Num	%	Num	%	Num	%	Num	%	Num	%	Num	%	Num	%
Pungo River																		
Vance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wake	13	2.3	18	4.1	15	4.9	20	4.9	10	2.7	15	4.5	10	6.5	10	1.5	19	2.4
Warren	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Washington	16	2.8	7	1.6	4	1.3	14	3.4	13	3.5	11	3.3	5	3.3	19	2.8	10	1.3
Watauga	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wayne	12	2.1	6	1.4	4	1.3	3	0.7	5	1.3	11	3.3	2	1.3	4	0.6	11	1.4
Wilkes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wilson	34	6.0	17	3.9	23	7.5	21	5.1	12	3.2	23	6.9	5	3.3	36	5.4	44	5.5
Yadkin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Yancey	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	567	100.0	437	100.0	306	100.0	408	100.0	373	100.0	333	100.0	153	100.0	671	100.0	796	100.0

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

Year	Expenditure ¹	Cape Fear ²	Upper Neuse	Middle Neuse	Lower Neuse	Upper Tar River	Lower Tar/Upper Pamlico	Pungo	CSMA Total
2020 ³	Miles Traveled	35.53	17.02	27.67	33.05	8.77	30.91	50.11	35.10
	Food	\$16.86	\$4.89	\$9.53	\$5.68	\$0.00	\$7.91	\$8.18	\$7.01
	Ice	\$1.36	\$0.26	\$0.79	\$0.89	\$0.96	\$1.39	\$1.95	\$1.21
	Bait	\$2.36	\$2.40	\$0.04	\$1.76	\$0.00	\$2.72	\$3.10	\$2.14
	Boat Fuel/Oil	\$7.33	\$3.88	\$8.39	\$10.07	\$0.00	\$12.19	\$15.26	\$11.69
	Total	\$15.51	\$6.83	\$18.13	\$26.63	\$10.21	\$22.35	\$30.03	\$23.96
2019	Miles Traveled	36.01	12.21	25.14	28.35	18.81	29.27	51.65	30.87
	Food	\$7.04	\$1.37	\$8.10	\$7.49	\$3.11	\$5.09	\$7.83	\$6.50
	Ice	\$0.50	\$0.37	\$1.19	\$0.81	\$0.49	\$0.65	\$1.92	\$0.96
	Bait	\$0.83	\$2.42	\$1.57	\$4.47	\$2.36	\$4.68	\$0.93	\$3.19
	Boat Fuel/Oil	\$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	\$6.44	\$0.53	\$6.99	\$5.85	\$0.71	\$6.21	\$8.76	\$5.93
	Ice	\$0.42	\$0.27	\$1.07	\$1.27	\$0.07	\$0.91	\$1.60	\$1.01
	Bait	\$1.68	\$3.97	\$1.08	\$2.93	\$0.23	\$3.41	\$1.63	\$2.41
	Boat Fuel/Oil	\$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
2017	Miles Traveled	32.50	10.80	29.10	27.10	14.90	26.70	47.10	29.60
	Food	\$4.48	\$5.27	\$8.80	\$6.20	\$1.50	\$6.76	\$11.55	\$7.14
	Ice	\$0.56	\$0.89	\$0.89	\$1.00	\$0.30	\$0.95	\$1.61	\$1.03
	Bait	\$3.83	\$2.38	\$1.13	\$2.51	\$2.00	\$4.89	\$2.14	\$2.92
	Boat Fuel/Oil	\$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

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 Mean reported angler expenditures by river and expense type (continued).

Year	Expenditure ¹	Cape Fear ²	Upper Neuse	Middle Neuse	Lower Neuse	Upper Tar River	Lower Tar/Upper Pamlico	Pungo	CSMA Total
2016	Miles Traveled	26.70	12.70	18.40	23.90	16.30	28.90	42.40	27.50
	Food	\$7.25	\$4.34	\$5.79	\$4.78	\$3.90	\$5.94	\$9.82	\$6.25
	Ice	\$1.06	\$0.35	\$0.53	\$0.76	\$0.67	\$0.87	\$1.53	\$0.92
	Bait	\$5.89	\$0.98	\$3.00	\$3.32	\$0.69	\$3.13	\$0.59	\$2.63
	Boat Fuel/Oil	\$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	\$12.70	\$3.36	\$5.57	\$5.13	\$1.40	\$7.58	\$9.55	\$6.46
	Ice	\$2.14	\$0.28	\$0.78	\$0.82	\$0.35	\$1.03	\$1.53	\$0.94
	Bait	\$11.43	\$1.42	\$4.73	\$3.74	\$0.51	\$2.61	\$0.87	\$2.74
	Boat Fuel/Oil	\$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	\$5.14	\$5.09	\$5.45	\$5.60	\$0.59	\$7.32	\$19.62	\$8.16
	Ice	\$0.73	\$0.42	\$0.49	\$0.82	-	\$0.80	\$2.25	\$0.98
	Bait	\$2.64	\$1.62	\$0.71	\$3.78	\$0.17	\$1.76	\$1.59	\$2.34
	Boat Fuel/Oil	\$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
2013	Miles Traveled	23.34	31.84	26.14	16.59	5.30	16.83	14.11	30.28
	Food	\$4.01	\$5.37	\$2.62	\$6.77	\$11.33	\$5.04	\$0.32	\$5.73
	Ice	\$1.09	\$0.75	\$0.45	\$0.55	\$1.42	\$0.58	\$0.30	\$0.79
	Bait	\$4.36	\$2.46	\$1.81	\$0.96	\$3.03	\$1.99	\$0.48	\$2.34
	Boat Fuel/Oil	\$11.09	\$14.26	\$10.96	\$11.99	\$17.68	\$8.00	\$7.04	\$13.52
	Total	\$20.55	\$22.84	\$15.84	\$20.18	\$33.46	\$15.61	\$8.14	\$22.38

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 Mean reported angler expenditures by river and expense type (continued).

Year	Expenditure ¹	Cape Fear ²	Upper Neuse	Middle Neuse	Lower Neuse	Upper Tar River	Lower Tar/Upper Pamlico	Pungo	CSMA Total
2012	Miles Traveled	-	11.75	21.87	30.22	14.80	23.80	51.96	29.20
	Food	-	\$3.99	\$6.22	\$8.31	-	\$5.83	\$10.18	\$6.87
	Ice	-	\$0.18	\$0.89	\$0.87	\$0.07	\$0.53	\$1.04	\$0.70
	Bait	-	\$1.84	\$3.16	\$2.05	\$0.69	\$1.32	\$3.51	\$2.19
	Boat Fuel/Oil	-	\$2.32	\$8.23	\$14.72	\$2.92	\$12.33	\$18.04	\$12.68
	Total	-	\$8.30	\$18.50	\$25.95	\$3.68	\$20.01	\$32.76	\$22.44
2011	Miles Traveled	-	-	-	25.91	-	28.89	44.48	29.70
	Food	-	-	-	\$21.98	-	\$9.74	\$14.22	\$16.79
	Ice	-	-	-	\$1.95	-	\$1.42	\$2.72	\$1.82
	Bait	-	-	-	\$6.04	-	\$2.01	\$20.73	\$5.65
	Boat Fuel/Oil	-	-	-	\$18.03	-	\$8.65	\$29.07	\$12.96
	Total	-	-	-	\$48.00	-	\$21.82	\$66.74	\$37.22
2010	Miles Traveled	-	-	-	23.38	-	26.48	55.69	28.57
	Food	-	-	-	\$5.90	-	\$8.70	\$26.84	\$9.16
	Ice	-	-	-	\$1.18	-	\$2.13	-	\$1.47
	Bait	-	-	-	\$2.18	-	\$5.22	\$41.68	\$6.45
	Boat Fuel/Oil	-	-	-	\$16.14	-	\$7.64	\$17.56	\$9.05
	Total	-	-	-	\$25.40	-	\$23.69	\$86.08	\$26.13
2009	Miles Traveled	-	-	-	29.27	-	-	38.12	35.04
	Food	-	-	-	\$1.49	-	-	\$14.18	\$5.84
	Ice	-	-	-	\$0.34	-	-	\$2.28	\$0.84
	Bait	-	-	-	\$0.41	-	-	\$25.00	\$1.53
	Boat Fuel/Oil	-	-	-	\$7.10	-	-	\$23.99	\$17.09
	Total	-	-	-	\$9.34	-	-	\$65.45	\$25.30

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.

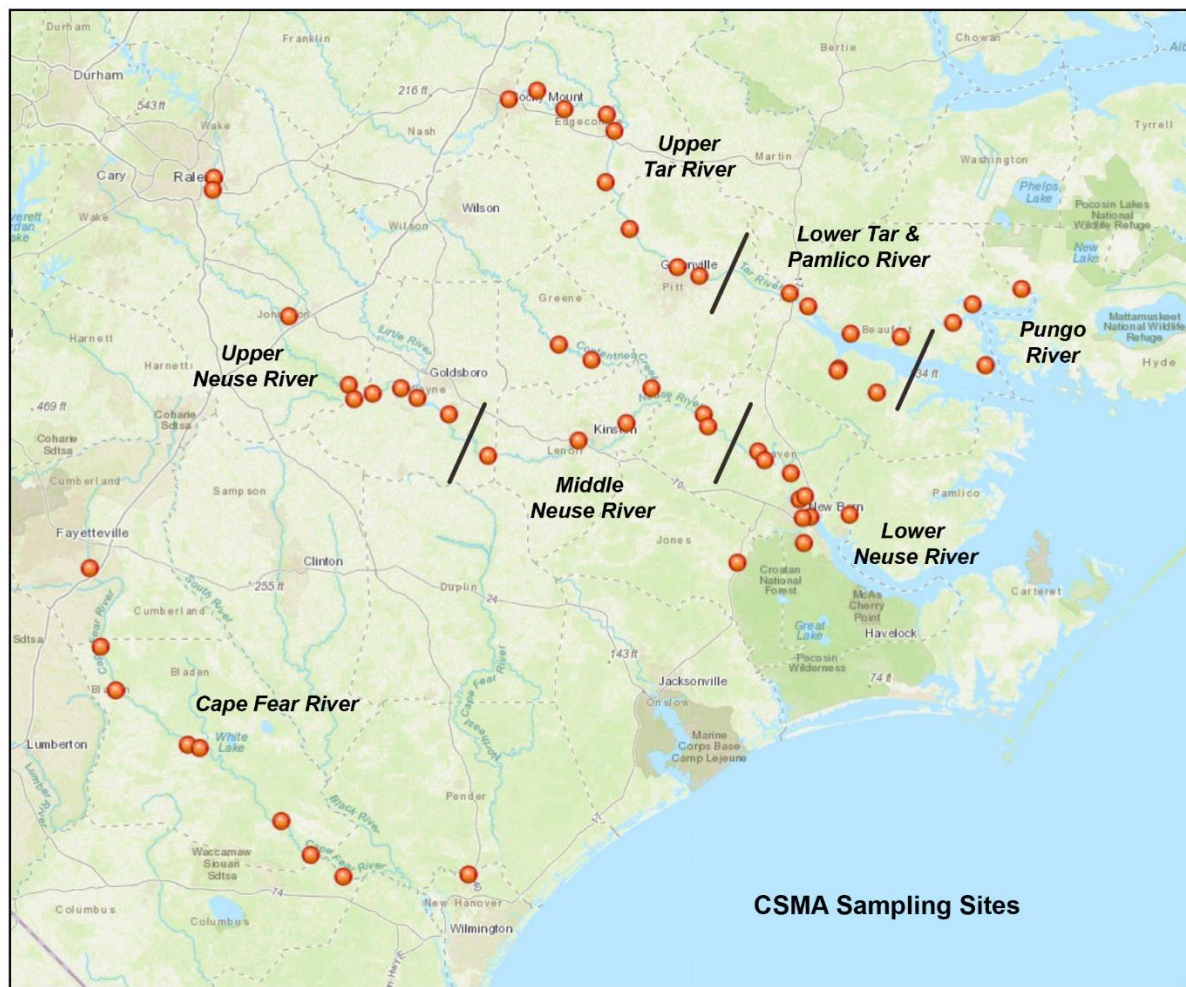
Table IV.14 Mean reported angler expenditures by river and expense type (*continued*).

Year	Expenditure ¹	Cape Fear ²	Upper Neuse	Middle Neuse	Lower Neuse	Upper Tar River	Lower Tar/Upper Pamlico	Pungo	CSMA Total
2008	Miles Traveled	-	-	-	17.16	-	20.60	55.06	24.31
	Food	-	-	-	\$1.67	-	-	\$23.68	\$6.45
	Ice	-	-	-	\$0.19	-	-	\$2.91	\$0.52
	Bait	-	-	-	\$0.23	-	-	\$30.01	\$2.16
	Boat Fuel/Oil	-	-	-	\$7.01	-	\$10.45	\$27.47	\$11.02
	Total	-	-	-	\$9.10	-	\$10.45	\$84.07	\$20.15
2007	Miles Traveled	-	-	-	19.70	-	21.19	51.98	29.38
	Food	-	-	-	\$2.82	-	\$7.22	\$13.28	\$7.83
	Ice	-	-	-	\$7.00	-	\$1.91	\$2.93	\$1.02
	Bait	-	-	-	\$0.61	-	\$7.85	\$19.45	\$3.63
	Boat Fuel/Oil	-	-	-	\$7.48	-	\$10.80	\$19.46	\$11.67
	Total	-	-	-	\$10.98	-	\$27.78	\$55.12	\$24.15

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



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
Cape Fear River	Bridgeton
Lock and Dam 3	Union Point
Tar Heel	Pollocksville
Torry Hole	Brice's Creek
Lock and Dam 2	Lawson's Creek
Elwell's Ferry	Lee's Landing
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

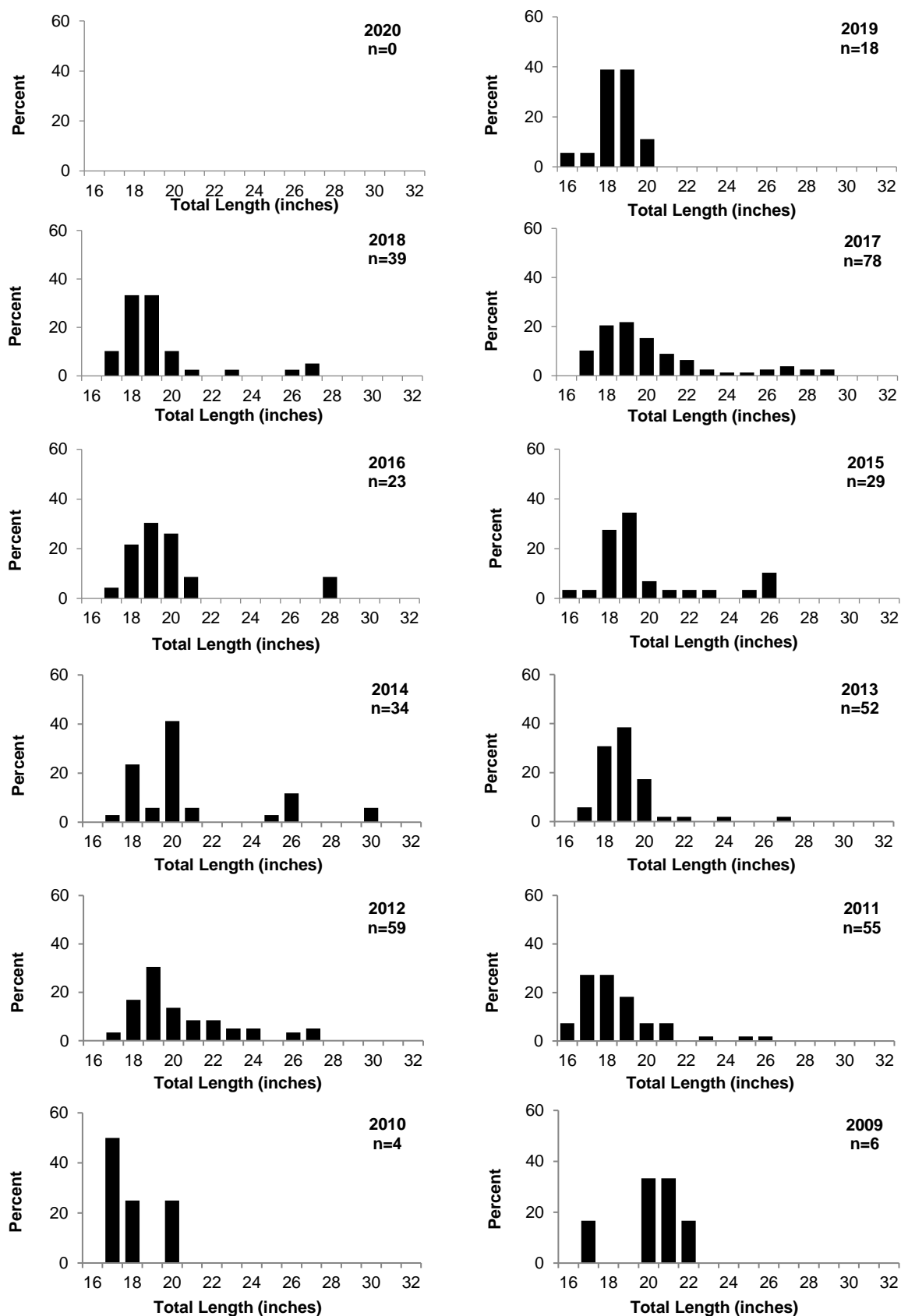


Figure IV.2 Length frequencies by percent of total observed Striped Bass from the Neuse River.

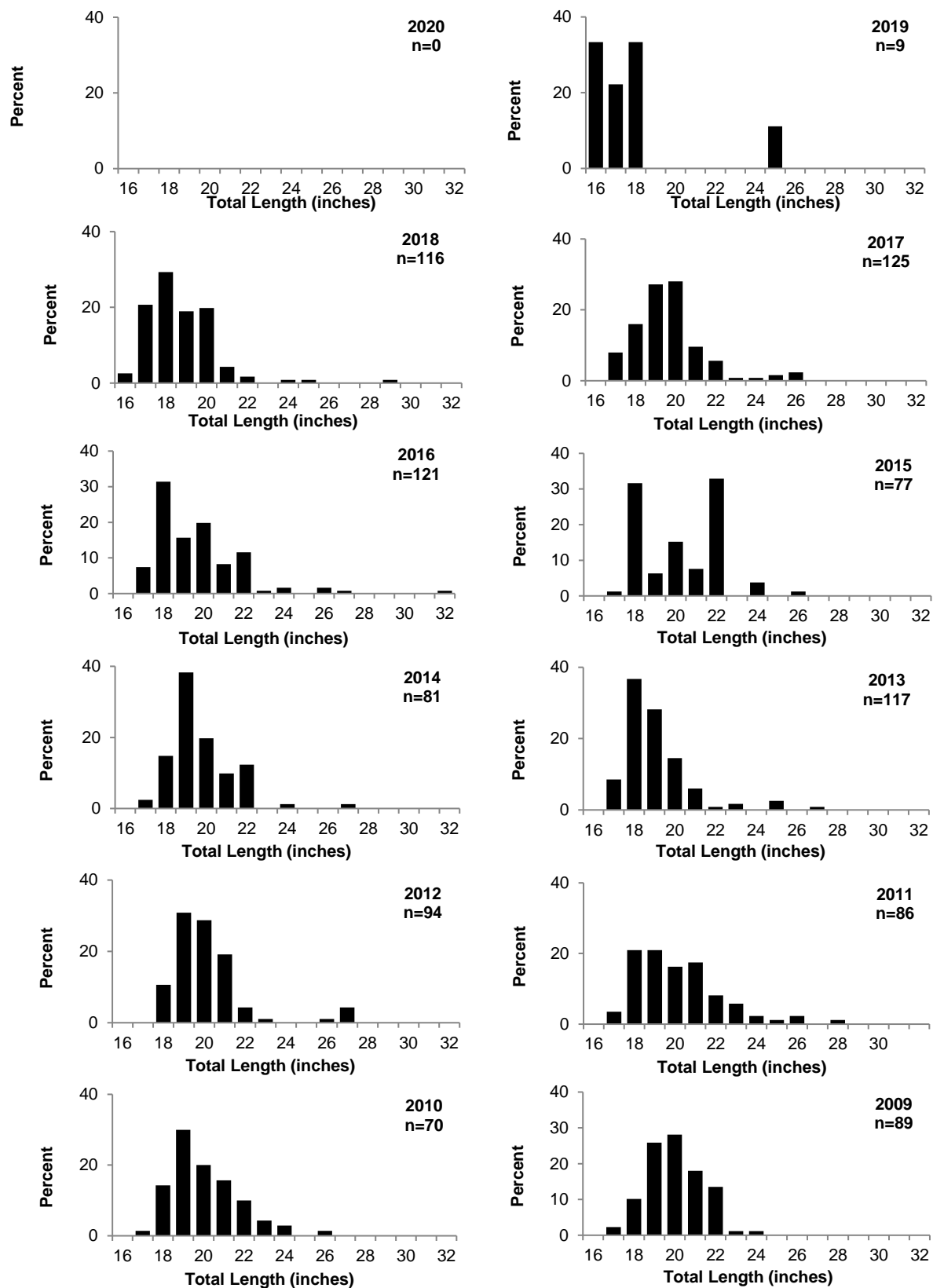


Figure IV.3 Length frequencies by percent of total observed Striped Bass from the Tar/Pamlico and Pungo rivers.

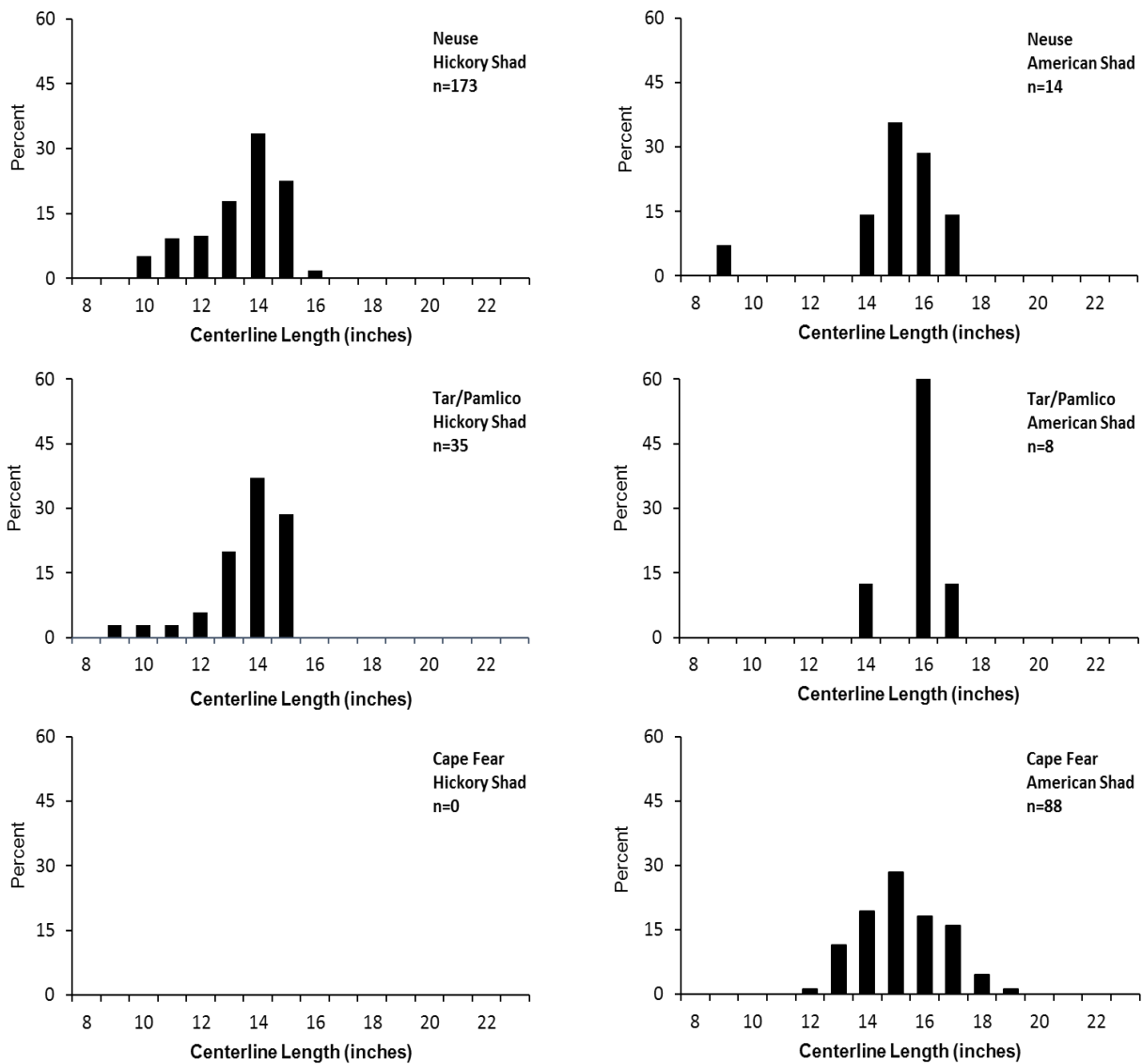


Figure IV.4 Length frequencies by percent of total observed American Shad from the CSMA, 2020.

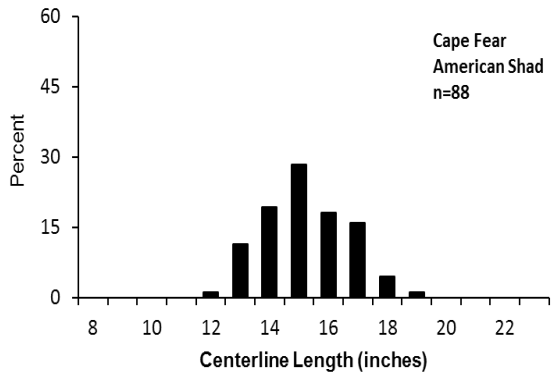
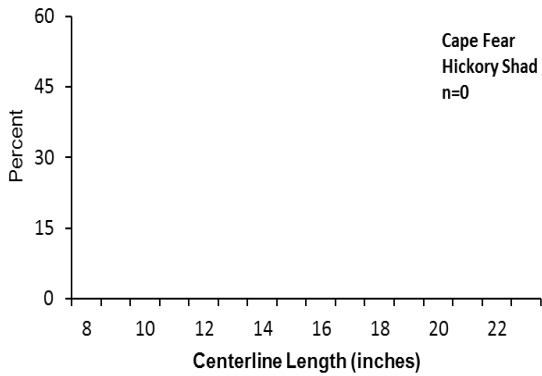
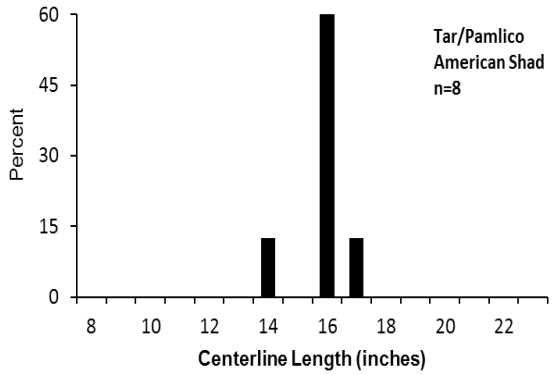
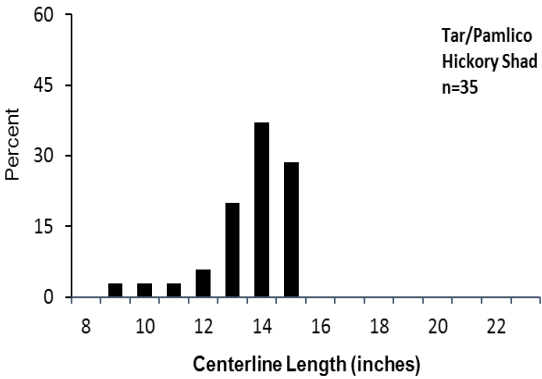
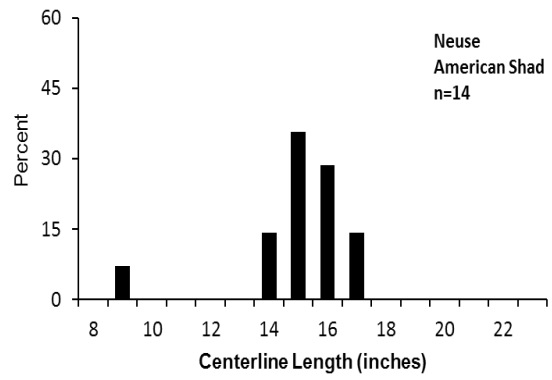
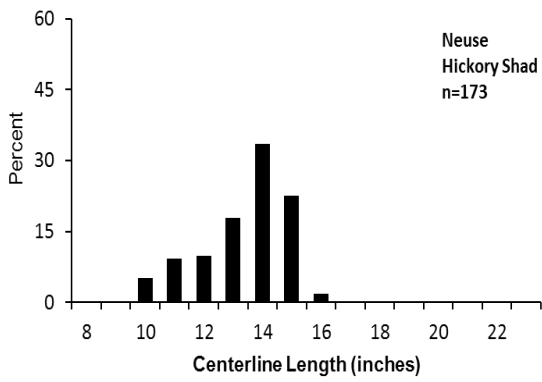


Figure IV.5 Length frequencies by percent of total observed Hickory Shad from the CSMA, 2020.

2019 CSMA CREEL SURVEY

Interview Form

1. INTERVIEWER ID	<input type="text"/>	5. INTERVIEW TIME (use 2400 clock)	<input type="text"/>	8. PERIOD	<input type="text"/>
2. YR/MO/DAY	<input type="text"/>	6. FISHING TRIP	1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No	9. REFUSAL	<input type="text"/>
3. INTERVIEW NUMBER	<input type="text"/>	4. TYPE OF DAY	<input type="text"/>	7. TIME FISHING BEGAN	<input type="text"/>
				10. SITE	<input type="text"/>

11. HOURS FISHED	<input type="text"/>	12. PARTY SIZE	<input type="text"/>	16. WERE YOU FISHING FOR ANY PARTICULAR KINDS OF FISH TODAY? IF YES, WHAT KINDS?
	(Hours/Minutes)			1st Target
13. WERE YOU FISHING FROM:				<input type="text"/>
1 <input type="checkbox"/> Private Boat	2 <input type="checkbox"/> Charterboat	3 <input type="checkbox"/> Shore		2nd Target
14. AREA FISHED (Specific waterbody)				<input type="text"/>
15. WATERBODY CLASSIFICATION				
1 <input type="checkbox"/> Coastal	2 <input type="checkbox"/> Joint	3 <input type="checkbox"/> Inland	17. PRIMARY FISHING METHOD	
			1 <input type="checkbox"/> Casting	2 <input type="checkbox"/> Trolling
			3 <input type="checkbox"/> Cut Bait	4 <input type="checkbox"/> Live Bait
			5 <input type="checkbox"/> Gill Net	

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"/>
2	<input type="text"/>	<input type="text"/>	<input type="text"/>
3	<input type="text"/>	<input type="text"/>	<input type="text"/>
4	<input type="text"/>	<input type="text"/>	<input type="text"/>
5	<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"/>
2	<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"/>
4	<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"/>
6	<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"/>
8	<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"/>
10	<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, 2018? _____
- 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

2019 CSMA CREEL SURVEY ASSIGNMENT SUMMARY FORM

1. INTERVIEWER ID	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	SCHEDULE NUMBER	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
2. YR/MO/DAY	<input type="text" value="2"/> <input type="text" value="0"/> <input type="text" value="1"/> <input type="text" value="9"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>		
3. PERIOD	<input type="text"/>		
4. TYPE OF DAY	<input type="text"/>		
5. SITE	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>		
6. TIME ARRIVED	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	24 hr clock	
7. NUMBER TRAILERS Upon Arrival	<input type="text"/> <input type="text"/>		
8. NUMBER TRAILERS Mid-Count	<input type="text"/> <input type="text"/>		
9. NUMBER TRAILERS Upon Departure	<input type="text"/> <input type="text"/>		
10. NUMBER On Bank When Arrived	<input type="text"/> <input type="text"/>		
11. NUMBER On Bank Mid-Time Count	<input type="text"/> <input type="text"/>		
12. NUMBER On Bank When Departed	<input type="text"/> <input type="text"/>		
13. NUMBER Fishing Parties Missed	<input type="text"/> <input type="text"/>		
14. NUMBER Fishing Parties Refused	<input type="text"/> <input type="text"/>		
15. TIME DEPARTED	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	24 hr clock	

Comments