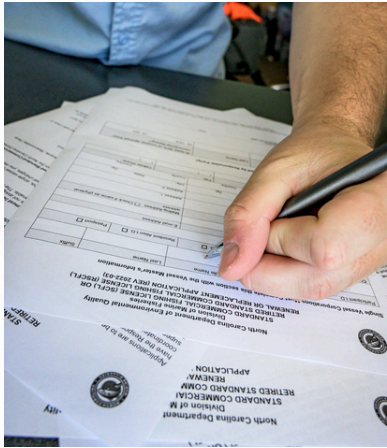
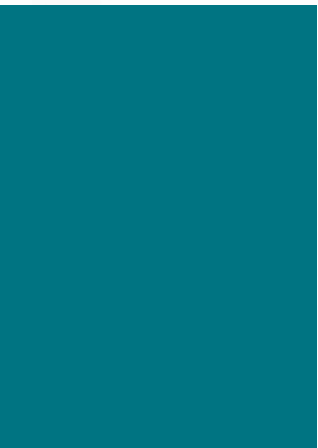


LICENSE & STATISTICS

2024 ANNUAL REPORT



RECREATIONAL STATISTICS
COMMERCIAL STATISTICS
ECONOMIC IMPACT
LICENSE SALES

NC DIVISION OF MARINE FISHERIES



2024 LICENSE AND STATISTICS ANNUAL REPORT



Prepared By:

North Carolina Division of Marine Fisheries

License and Statistics Section

November 2024

Dedication

To Larry Kraus – We are grateful for Larry’s valuable contributions to the recreational fisheries information presented in this report. His dedication and enthusiasm as a hard-working member of the Marine Recreational Information Program will be missed. Larry passed away in March of 2022. His passion for fishing and commitment to fisheries conservation serves as an inspiration to all who knew him.

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LICENSE AND STATISTICS SECTION OVERVIEW

Introduction

The North Carolina Division of Marine Fisheries (NCDMF) is responsible for the stewardship of the state's marine and estuarine resources. The Division's jurisdiction begins at three miles offshore and extends inward through coastal and joint waters in North Carolina. NCDMF's mission is to ensure sustainable marine and estuarine fisheries and habitats for the benefit and health of the people of North Carolina. The NCDMF is comprised of eight sections that collectively carry out this mission.

The License and Statistics Section collects, processes, and analyzes commercial and recreational fisheries and license data, assesses social and economic impacts, and is responsible for the sale of fishing licenses and issuance of agency permits at all NCDMF license offices. This section also administers the Marine Fisheries Commission's license eligibility process.

The section is made up of the following programs:

- License Program
- Commercial Statistics Program
- Coastal Angling Program
- Fisheries Economics Program

The License and Statistics Section consists of about 60 employees: just under 40 permanent employees and varying numbers of temporary employees depending on funding and current project schedules. Employees are funded by state appropriations, commercial license sales receipts, recreational license sales receipts, and federal grant monies.

Section Mission

Our mission is to license fishery participants, obtain accurate and timely data on fishery catch and effort, determine fishery social and economic importance, and to analyze and distribute these data for evaluation and establishment of fishery management plans.

Annual Report Purpose

This document provides summaries of commercial landings and recreational harvest data, as well as commercial and recreational fishing licenses issued for the State of North Carolina. The purpose is to disseminate the data in formats most often requested and to illustrate the types of information collected through the various programs within the License and Statistics Section of the NCDMF. Separate and distinct summary reports for each program are released on an annual basis.

Take caution when averaging the landings data for commercial, recreational, and socioeconomic statistics over large periods of time because of changes in management policies and data collection methods. Creating such an average may not indicate the true

characteristics of the fishery. These factors should be considered when summarizing these data.

When reviewing data provided for 2020, be aware that unexpected trends in the data or missing data may be due to the COVID-19 pandemic. The pandemic began in Spring 2020 and brought about numerous precautionary guidelines, as well as state, local, and federal mandates, that limited the ability to collect and process data.

The NCDMF's License and Statistics Section published its first Annual Report in 2005. These reports have traditionally included data back to 1887, but through the years, this report has grown substantially. For efficiency, the Section decided to focus the 2024 Annual Report on data from the last 10 years. Historical data published in previous reports, along with a digital version of the 2024 report can be found on our website::

<https://www.deq.nc.gov/about/divisions/marine-fisheries/science-and-statistics/fisheries-statistics>.

More detailed statistics are available upon request by contacting:

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Contacts for specific data related to commercial, recreational, economics, or license information can be found in each chapter of this document.

Chapter I: LICENSE AND PERMIT STATISTICS

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PROGRAM NARRATIVE

The License Program issues licenses and permits to users as mandated by general statutes and North Carolina Marine Fisheries Commission (NCMFC) rules. Data from licenses and permits are used to identify participants (individuals and businesses) and vessels involved in various fishing activities. A variety of survey data are also collected at the time of license and permit issuance. License Program staff are involved in verifying information collected and generating reports used for fishery management and compliance purposes.

The North Carolina Division of Marine Fisheries (NCDMF) License Program issues approximately 20,000 commercial licenses, recreational licenses, and issuable permits annually. This number does not include the thousands of North Carolina Wildlife Resources Commission (NCWRC) products sold at NCDMF offices each year including Coastal Recreational Fishing Licenses and state vessel registrations. Most products issued by NCDMF are valid based on fiscal year (or license year). A fiscal year runs from July 1st to June 30th of each year. Peak sales occur between April and July.

The License Program operates in the NCDMF Headquarters Office in Morehead City, as well as NCDMF regional and satellite offices in Manteo, Washington, and Wilmington. There are 10 permanent employees in the License Program, half of which work at NCDMF Headquarters. Regional and satellite offices are minimally staffed by employees designated as traditional license clerks; however, in times of need, license sales are covered by staff from other License and Statistics programs.

Types of Licenses

Standard Commercial Fishing License (SCFL)

The Standard Commercial Fishing License is an annual license for commercial fishermen who harvest and sell fish, shrimp, crab, or any marine species, except molluscan shellfish. To harvest molluscan shellfish, a fisherman must either purchase a Shellfish License or obtain a Standard Commercial Fishing License with a Shellfish Endorsement. The Shellfish Endorsement includes the harvest of scallops, clams, conchs, whelks, oysters, and mussels in North Carolina waters. Only individual North Carolina residents are eligible for this endorsement.

Previously, a Menhaden Endorsement was available, but since 2013, harvesting of menhaden by purse seines with one or more runner boats and a mother ship is no longer allowed in state waters.

The SCFL is a license issued to an individual or business entity. It is not a vessel license. If a vessel is to be used, the vessel must have a Commercial Fishing Vessel Registration. The SCFL can be temporarily assigned to another person or can be transferred.

Retired Standard Commercial Fishing License (RSCFL)

The RSCFL allows fishermen over the age of 65 to harvest and sell fish, shrimp, crabs, or any marine species, except shellfish. To harvest shellfish, fishermen must obtain a shellfish

endorsement to the RSCFL. The Shellfish Endorsement includes the harvest of scallops, clams, conchs, whelks, oysters, and mussels in North Carolina waters. Only individual North Carolina residents are eligible for this endorsement.

The RSCFL is a personal license issued to individuals only. It is not a vessel license. If a vessel is to be used, the vessel must have a Commercial Fishing Vessel Registration. The license cannot be assigned to another person but can be transferred.

Standard Commercial Fishing License Eligibility Pool

There is a cap on the number of SCFL/RSCFL licenses that can be issued within the state. The cap is set at 8,896 SCFL/RSCFL licenses. Fishermen can only renew the SCFL/RSCFL held the previous year. Licenses not renewed are returned to an eligibility pool. Persons who do not hold a SCFL/RSCFL can apply for a SCFL/RSCFL from the pool. The SCFL Eligibility Pool Board awards the right to purchase a SCFL or RSCFL to eligible fishermen. More information on the requirements of the Eligibility Pool can be found under the following rule: 15A NCAC 03O .0400.

Shellfish License

This license allows the commercial harvest and sale of shellfish only. The Shellfish License holder does not need a SCFL or RSCFL to harvest and sell commercial quantities of shellfish if harvested by hand. Shellfish are defined as scallops, clams, conchs, whelks, oysters, and mussels. This license is only available to North Carolina residents. If a vessel is to be used, the vessel must have a Commercial Fishing Vessel Registration

Commercial Fishing Vessel Registration (CFVR)

This registration designates a vessel that can be used in commercial fishing operations. A CFVR is required if a vessel is going to be used with a SCFL, RSCFL, or Shellfish License. The CFVR decal must be adhered to the port side of the vessel. The registration can be transferred. There is also a For-Hire Endorsement available on the CFVR. The For-Hire Endorsement signifies that the vessel is licensed to be used in a for-hire operation by a properly licensed captain. In general, individuals who obtain a For-Hire Captains License and use more than one vessel should register their vessels with a CFVR with a For-Hire Endorsement. See the section in this document pertaining to blanket and non-blanket for-hire licenses for more information on For-Hire licensing.

Land or Sell License

This license is available to an owner or master of a vessel not home ported in North Carolina who fishes beyond the state's territorial ocean waters (farther than 3 miles from shore) and wishes to land the catch in North Carolina. The license must be purchased prior to offloading catch.

Fish Dealer License

This license authorizes a North Carolina resident entity (individual or business) with a physical location within North Carolina to buy fish for resale from any person who holds a valid SCFL, RSCFL, Shellfish License, Land or Sell License, or Recreational Fishing Tournament License to Sell Fish. The dealer can only deal in the category designated (i.e., finfish, crab, etc.) on the license. Fishermen who sell their own harvested catch to the public are required to have a Fish

Dealer License, as well as a SCFL, RSCFL, Shellfish License, or Land or Sell License. A person who buys fish for resale from a licensed fish dealer does not need to buy a Fish Dealer License. Any fish or shellfish harvested and landed in North Carolina must go through a North Carolina licensed fish dealer (either the fisherman has a Fish Dealer License or transfers fish to a licensed Fish Dealer).

A Fish Dealer License is required for each location and must be displayed for public viewing. If the dealer sells to the public from a different location than where the fish were purchased from fishermen, this is considered resale and the dealer does not need a separate Fish Dealer License for that location, but must have documentation (i.e., bill of sale, bill of lading) that shows where the fish were initially purchased.

Ocean Fishing Pier License

This license authorizes the manager of an ocean fishing pier to charge the public a fee to fish from a pier. Ocean Fishing Pier Licenses do not include the right to purchase fish from a fisherman, including bait; an appropriate Fish Dealer License must be purchased for that authority.

The license must be displayed at each location for public viewing. Beginning with fiscal year 2015, this license was combined with the CRFL Blanket Pier License and eliminated the need for anglers fishing from the pier to have an individual CRFL.

License to Land Flounder from the Atlantic Ocean

A person wishing to land more than 100 pounds per trip of flounder taken from the Atlantic Ocean must have this license. This license is not assignable. The Vessel Master must be designated when the license is issued. The license must be updated if the Vessel Master changes. The license can be transferred.

Menhaden License for Nonresidents Without a SCFL - *Discontinued*

Nonresidents not eligible for a SCFL/RSCFL and who wished to engage only in menhaden purse seine fishing operations could purchase this license.

Spotter Plane License

This license authorized the use of aircraft to identify the location of fish in coastal waters for a commercial fishing operation. It was used strictly for the menhaden purse seine fishery which has been prohibited in state waters since 2013.

Recreational Commercial Gear License (RCGL)

An individual holding this license is allowed to use limited amounts of specified commercial gear to catch seafood for personal consumption or recreational purposes. The holder of this license may not sell the catch, and the catch must stay within recreational harvest limits.

Coastal Recreational Fishing License (CRFL)

This license is required to recreationally harvest finfish in the state's coastal waters, which include sounds, coastal rivers and tributaries, and out to three miles offshore. This license is also required to possess fish within state waters that were caught greater than three miles in the ocean.

The CRFL is issued by the WRC sales agents such as bait and tackle shops, online, by phone, and at NCDMF license offices. There are a multitude of different licenses available, all of them valid from date of purchase (i.e., not on the calendar or fiscal year). A CRFL is not required to recreationally harvest crabs, clams, shrimp, and oysters. The license was first implemented on January 1, 2007.

For-Hire Licenses

Blanket licenses allow anglers fishing aboard licensed for-hire vessels or on licensed ocean piers to fish without having an individual CRFL. There are two blanket for-hire licenses (Captain's and Vessel) that are designed for charter, guide, head boats and dive boats that can be purchased for six or fewer passengers or more than six passengers. There is also a low-cost Non-Blanket For-Hire Vessel License intended for for-hire operators who do not wish to cover the licensing privileges of their anglers. If fishing aboard a vessel with a non-blanket license, the individual must hold a CRFL.

The Blanket For-Hire Captain's License, available only to US Coast Guard licensed captains, allows the holder to operate any state licensed for-hire vessel in a for-hire operation. The Blanket For-Hire Vessel License allows any US Coast Guard licensed captain to operate the licensed vessel in a for-hire operation.

For-Hire Blanket CRFL - *Discontinued*

The For-Hire Blanket CRFL was an optional license from 2008 to 2014 that the for-hire industry could purchase in lieu of the For-Hire Fishing Permit. The For-Hire Blanket CRFL covered the recreational licensing requirements for all paying passengers on the for-hire vessel engaging in recreational fishing.

Recreational Fishing Tournament License to Sell Fish

To sell fish taken in a tournament, the tournament organizer must obtain a Recreational Fishing Tournament License to Sell Fish. The holder of the license can only sell the tournament's catch to a licensed Fish Dealer. Tournaments that wish to sell to the public must acquire a Fish Dealer License. Proceeds from the sale of fish must be used for charitable, religious, educational, civic, or conservation purposes. Proceeds are not to be used for tournament expenses.

Blocks of 10 Ten-Day Coastal Recreational Fishing Licenses

Vessel owners may purchase a block of 10 Ten-Day Coastal Recreational Fishing Licenses to cover anglers fishing aboard their vessel so that the anglers do not need to purchase their own licenses. Each block contains ten licenses that are each valid for ten consecutive days. The vessel owner is required to return used and unused licenses to NCDMF, which allows NCDMF to remain in compliance with federal saltwater angler registration requirements. Information about the angler is collected for each license used.

Types of Permits

NCDMF issues permits through two processes: 1) issuable and 2) reviewable. Issuable permits are issued at the time of application with the only review being done by the license clerk License Clerk issuing the permit. Reviewable means the permit is not issued until other NCDMF staff review the application and may stipulate conditions on use of the permit. All reviewable permits except the CRFL Exemption Permit are issued by other sections within NCDMF.

Permits described below include only those issued by the NCDMF License Program and include both current and past permits.

Atlantic Ocean Striped Bass Commercial Gear Permit

This permit is required to harvest Striped Bass from the Atlantic Ocean by gill net, trawl, or beach seine. The permit was established to aid managing the Striped Bass fishery by limiting participation and setting appropriate quotas.

Dealer Permits for Commercial Fishery Quota Monitoring

- Striped Bass Dealer Permit with Validation Areas of Atlantic Ocean, Albemarle Sound Management Area (ASMA), Central Area, and Southern Area
- Atlantic Ocean Flounder Dealer Permit
- Spiny Dogfish Dealer Permit
- Black Sea Bass – North of Cape Hatteras Dealer Permit
- Estuarine Flounder Dealer Permit with Reporting Categories and Validation Areas of Mobile North, Mobile South, Pound Net North, Pound Net Central, and Pound Net South
- Atlantic Ocean American Shad Dealer Permit (*this permit was discontinued in June 2004*)
- ASMA River Herring Dealer Permit (*this permit was discontinued in April 2019*)

These permits allow the NCDMF to monitor fisheries under a quota or allocation scheme and allow a licensed dealer to possess, sell, or offer for sale designated fish within the specified limits from commercial fishermen. These specific limits are established by rule or proclamation. Fish dealers having more than one location must be issued a permit for each location where the dealer wishes to purchase fish. There are daily reporting requirements during open seasons.

Blue Crab Shedding Permit

This permit is required if a shedding operation possesses more than 50 crabs at any time. The owner of the shedding operation must be the holder of the permit. Persons having more than one shedding location must obtain a permit for each location. There are no reporting requirements associated with this permit.

Horseshoe Crab Biomedical Use Permit

This permit is required for the use of Horseshoe Crabs by biomedical facilities. There are reporting requirements associated with this permit.

For-Hire Fishing Permit - *Discontinued*

This permit was required to operate a for-hire fishing vessel in coastal waters from 2004 to 2014. The permit did not include CRFL coverage for all paying passengers recreationally fishing on a for-hire vessel, so the paying passengers were required to purchase their own individual CRFLs.

This permit was replaced by the Non-Blanket For-Hire Vessel License.

Permit to Waive Requirement to Use TEDs in the Atlantic Ocean - *Discontinued*

This permit was needed only when trawling for shrimp in the Atlantic Ocean from Browns Inlet to Rich's Inlet without using a Turtle Excluder Device (TED). The permit was valid only when allowed by proclamation from April 1 through November 30. There were reporting requirements associated with this permit.

Monkfish Large Mesh Gill Net Permit

This permit is required for fishermen participating in the Monkfish large mesh gill net fishery in North Carolina state ocean waters (0-3 miles offshore). There are reporting requirements associated with this permit.

Pamlico Sound Gill Net Restricted Area Permit (PSGNRA) - *Discontinued*

This permit was required for fishermen to participate in the large mesh gill net fishery within defined Pamlico Sound Gill Net Restricted Areas. The permit was needed as a condition of the incidental take permit issued by NOAA Fisheries specific to areas of Pamlico Sound to allow a fall gill net fishery. A condition of the permit was to allow onboard fisheries observers to collect data from gill net fisheries in the PSGNRA.

CRFL Exemption Permit

Individuals or organizations seeking exemption from the saltwater fishing license requirements may apply for a CRFL Exemption Permit at least 30 days prior to the event date. The permit can only be issued for an event held solely for participation by individuals with physical/mental limitations or for military appreciation events, educational purposes, or events such as Take-A-Kid-Fishing that are directed toward assisting disadvantaged youth. This is a reviewable permit and must be reviewed thoroughly by NCDMF staff before it is issued.

Estuarine Gill Net Permit

The Estuarine Gill Net Permit became effective on September 1, 2014. It is required for any anchored small or large mesh gill net fishing operation in estuarine waters. The permit is a requirement of the federal incidental take permits for sea turtles and Atlantic Sturgeon issued by NOAA Fisheries. A condition of the incidental take permits is to maintain certain levels of observer coverage statewide. The Estuarine Gill Net Permit requires fishermen to provide an active phone number where they can be reached to schedule observer trips so that NCDMF can maintain the observer coverage needed to stay in compliance with the incidental take permits.

CONTACTS

For custom data requests or more information on the NCDMF License Program, please contact:

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Licenses and Permits Issued

NOTE: Data were derived from the NCDMF Fisheries Information Network (FIN) database and the NCWRC Alvin/Go Outdoors North Carolina System. Most licenses and permits issued by NCDMF are valid for one fiscal year. A fiscal year runs from July to June. For example: FY2024 = July 1, 2023 – June 30, 2024. Calendar year (Jan 1 – Dec 31) is presented if not noted as fiscal year. More detailed information can be found in other statistical reports provided on the Division’s website or through a custom data request.

Table I.1 Number of licenses and permits issued by fiscal year.

Fiscal Year	Number of Licenses	Number of Permits	Total Number Issued ¹
2024	15,671	2,915	18,586
2023	16,273	3,061	19,334
2022	16,687	3,114	19,801
2021	16,779	3,142	19,921
2020	16,796	3,161	19,957
2019	16,987	3,289	20,276
2018	18,185	3,525	21,710
2017	18,934	3,535	22,469
2016	20,062	3,830	23,892
2015	21,654	3,571	25,225

¹Counts include all licenses issued by the NCDMF License Program except Coastal Recreational Fishing Licenses (CRFL) bought through the NCWRC ALVIN/Go Outdoors system.

Table I.2 Number and type of commercial licenses sold or issued by fiscal year.

Fiscal Year	Standard Commercial Fishing	Retired Standard Commercial Fishing	Shellfish for NC Residents	Commercial Fishing Vessel Registration	Land or Sell	Fish Dealer	Tournament	Land Flounder	Spotter Plane	Total
2024	3,922	1,354	520	6,240	115	663	28	142	0	12,984
2023	4,020	1,395	600	6,355	133	655	25	151	0	13,334
2022	4,158	1,391	518	6,558	149	678	21	156	0	13,629
2021	4,321	1,385	525	6,427	131	689	24	157	0	13,659
2020	4,429	1,403	571	6,506	134	672	25	157	0	13,897
2019	4,545	1,372	584	6,634	140	683	26	157	0	14,141
2018	4,824	1,340	775	7,016	131	664	25	156	0	14,931
2017	4,968	1,328	988	7,270	109	694	20	156	0	15,533
2016	5,142	1,323	1,110	7,775	102	713	19	157	0	16,341
2015	5,404	1,231	1,319	8,103	114	737	17	158	0	17,083

Table I.3 Number of discontinued licenses issued by fiscal year.

Fiscal Year	Menhaden License for Nonresidents without a SCFL ¹	Pier CRFL ²
2014	-	2
2013	-	20
2012	10	19
2011	12	21
2010	10	19
2009	10	20
2008	10	20
2007	11	20
2006	11	-
2005	12	-
2004	10	-
2003	10	-
2002	10	-
2001	10	-

¹The Menhaden License for Nonresidents without a SCFL was discontinued in 2013.

²The Pier CRFL was discontinued in 2015.

Table I.4 Number of Standard Commercial Fishing Licenses (SCFL), Shellfish Endorsements, and Assignments issued by fiscal year.

Fiscal Year	Total Number of SCFLs	Number of SCFLs with Shellfish Endorsement	Total Number of SCFL Assignments
2024	3,922	3,642	439
2023	4,020	3,716	452
2022	4,158	3,814	452
2021	4,321	3,947	479
2020	4,429	4,062	512
2019	4,545	4,169	535
2018	4,824	4,441	689
2017	4,968	4,565	697
2016	5,142	4,708	783
2015	5,404	4,948	804

Table I.5 Number of Retired Standard Commercial Fishing Licenses (RSCFL) and Endorsements issued by fiscal year.

Fiscal Year	Total Number of RSCFLs	Number of RSCFLs with Shellfish Endorsement
2024	1,354	1,333
2023	1,395	1,365
2022	1,391	1,354
2021	1,385	1,346
2020	1,403	1,353
2019	1,372	1,323
2018	1,340	1,301
2017	1,328	1,292
2016	1,323	1,283
2015	1,231	1,192

Table I.6 Total number of licenses with selling privileges issued by fiscal year, the number of those licenses reported on trip tickets, and the number of individual participants using those licenses.

Year	FISCAL YEAR			CALENDAR YEAR
	Licenses Issued ¹	Licenses Used	Participants (FY)	Participants (CY)
2024	5,944	2,249	1,887	_ ²
2023	6,177	2,219	2,080	2,082
2022	6,237	2,429	2,237	2,163
2021	6,375	2,533	2,301	2,286
2020	6,556	2,658	2,397	2,346
2019	6,675	2,732	2,515	2,535
2018	7,100	3,086	2,829	2,652
2017	7,420	3,145	2,923	2,945
2016	7,703	3,224	3,028	2,976
2015	8,091	3,411	3,204	3,137

¹Licenses with selling privileges include SCFL, RSCFL, Shellfish, Land or Sell, and Tournament If for Non-Residents.

²Data for the current calendar year is not available for this report.

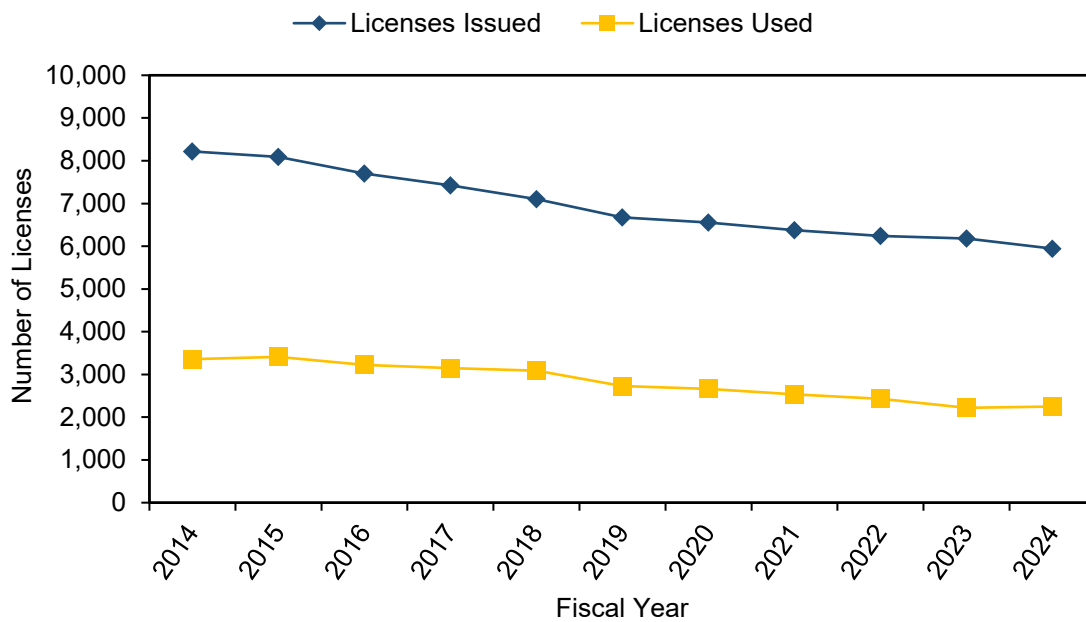


Figure I.1 Total number of licenses with selling privileges issued and used by fiscal year.

Table I.7 Annual number of SCFLs and RSCFLs issued by fiscal year, the number of those licenses reported on trip tickets, and the number of individual participants using those licenses.

Year	FISCAL YEAR			CALENDAR YEAR
	Licenses Issued	Licenses Used	Participants (FY)	Participants (CY)
2024	5,279	1,851	1,690	- ¹
2023	5,417	1,944	1,847	1,826
2022	5,546	2,105	2,007	1,911
2021	5,692	2,175	2,062	2,040
2020	5,822	2,227	2,108	2,069
2019	5,923	2,366	2,229	2,214
2018	6,166	2,572	2,418	2,288
2017	6,299	2,542	2,397	2,453
2016	6,469	2,637	2,494	2,419
2015	6,639	2,773	2,636	2,559

¹ Data by calendar year are not available for this report.

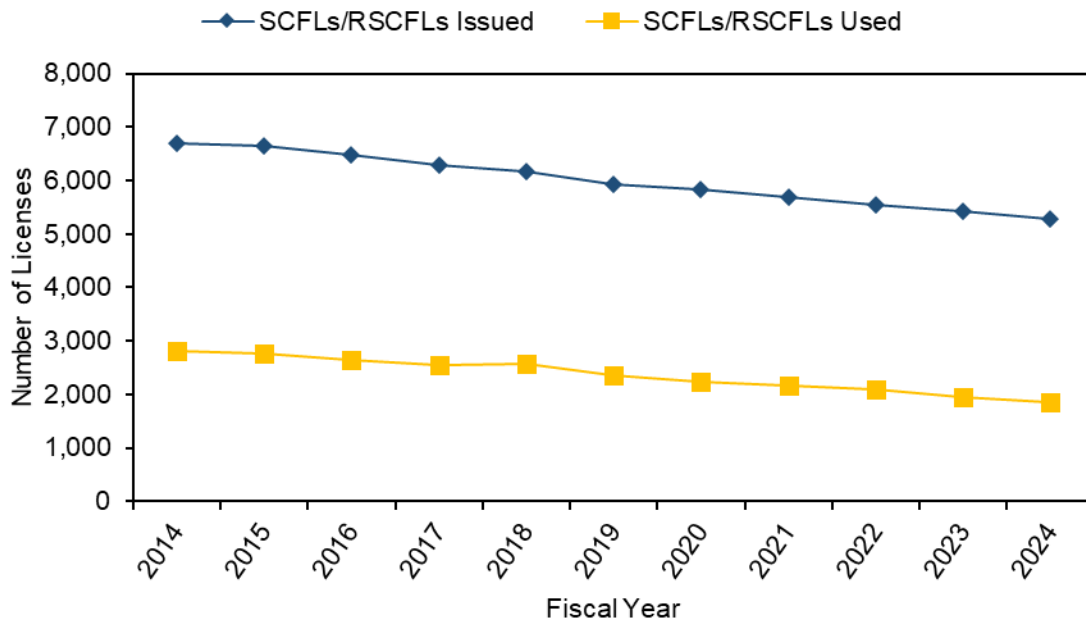


Figure I.2 Annual number of SCFLs and RSCFLs issued and used by fiscal year.

Table I.8 Number of licenses available in the SCFL Eligibility Pool at the end of each fiscal year.

Fiscal Year	Number of Licenses Available ¹	MFC Approved License Numbers ²
2024	3,293	500
2023	3,483	500
2022	3,340	500
2021	3,198	500
2020	3,064	500
2019	2,973	500
2018	2,723	500
2017	2,592	1,500
2016	2,417	100
2015	1,238	1,238

¹Calculation change in 2016.

²The MFC voted to limit the number of licenses in the Eligibility Pool beginning in FY2016.

Table I.9 Number of Commercial Fishing Vessel Registrations (CFVR) issued by vessel length category and fiscal year.

Fiscal Year	0–18 ft.	19–38 ft.	39–50 ft.	>50 ft.	Total
2024	2,330	3,481	198	232	6,241
2023	2,450	3,472	193	244	6,359
2022	2,563	3,509	207	280	6,559
2021	2,540	3,400	216	269	6,425
2020	2,643	3,374	217	272	6,506
2019	2,764	3,392	224	255	6,635
2018	2,985	3,561	225	245	7,016
2017	3,122	3,676	231	241	7,270
2016	3,460	3,850	234	231	7,775
2015	3,753	3,900	218	232	8,103

Table I.10 Number of license transfers by license type and fiscal year.

Fiscal Year	SCFL	RSCFL	CFVR	Flounder	Total
2024	169	60	35	14	278
2023	185	64	30	17	296
2022	195	74	46	17	332
2021	216	76	39	30	361
2020	217	69	29	29	344
2019	291	64	36	40	431
2018	369	91	72	44	576
2017	378	101	47	22	548
2016	381	80	49	26	536
2015	430	94	50	22	596

Table I.11 Number of Ocean Fishing Pier Licenses issued by fiscal year with pier length range and average.

Fiscal Year	Number of Licenses	Minimum Length (ft)	Maximum Length (ft)	Average Length (ft)
2024	18	245	919	669
2023	18	245	919	669
2022	19	245	919	661
2021	20	225	919	639
2020	20	225	919	639
2019	19	225	919	630
2018	19	245	919	645
2017	20	245	919	657
2016	20	245	919	665
2015	20	245	919	674

Table I.12 Number of Fish Dealer Licenses issued by fiscal year and number of Fish Dealer License categories.

Fiscal Year	Number of Licenses	Category ¹							Consolidated
		Finfish	Shrimp	Crab	Oyster	Scallop	Clam	Menhaden Dehydrate	
2024	660	368	291	258	181	19	71	0	24
2023	655	382	283	264	176	18	69	0	27
2022	678	398	299	278	163	13	63	0	28
2021	689	387	320	290	168	13	66	0	29
2020	672	374	304	298	169	15	74	1	27
2019	683	384	315	295	156	11	73	1	27
2018	664	365	305	294	166	12	80	1	28
2017	694	390	313	341	160	18	89	0	29
2016	713	432	319	344	154	18	84	0	29
2015	737	475	311	358	162	21	93	1	34

¹Summing categories will not equal number of licenses. A single license can have multiple categories listed.

Table I.13 Number of Recreational Commercial Gear Licenses (RCGL) issued by fiscal year.

Fiscal Year	Number of Licenses Issued
2024	1,517
2023	1,817
2022	2,004
2021	2,143
2020	2,046
2019	1,980
2018	2,445
2017	2,613
2016	2,965
2015	3,912

Table I.14 Number of current permits issued by fiscal year.

Fiscal Year	Striped Bass Dealer	Black Sea Bass Dealer	Spiny Dogfish Dealer	River Herring Dealer ¹	Atlantic Ocean Flounder Dealer	Blue Crab Shedding	Estuarine Gill Net	CRFL Exemption	Monkfish Gillnet	Atlantic Ocean Striped Bass Commercial Gear	Horseshoe Crab Biomedical Use	Estuarine Flounder	Total
2024	50	16	21	0	17	206	2,183	14	3	276	0	129	2,915
2023	55	16	23	0	24	207	2,295	13	3	279	0	146	3,061
2022	60	18	24	0	19	212	2,445	8	4	324	0	-	3,114
2021	63	18	25	0	18	218	2,467	3	4	325	1	-	3,142
2020	66	18	24	4	17	220	2,458	6	4	344	0	-	3,161
2019	68	18	24	5	18	234	2,529	17	5	371	0	-	3,289
2018	75	21	26	6	20	240	2,713	20	7	397	0	-	3,525
2017	77	22	26	8	21	264	2,675	21	7	414	0	-	3,535
2016	82	23	30	10	21	268	2,908	26	9	453	0	-	3,830
2015	85	26	33	15	26	268	2,674	21	8	407	0	-	3,563

¹The River Herring Dealer Permit was discontinued in April 2019.

Table I.15 Number of discontinued permits issued by fiscal year.

Fiscal Year	Shad Dealer ¹	TED Waiver ²	Pamlico Sound Gill Net Restricted Area ³	For-Hire Fishing ⁴	Total
2019	0	0	0	0	0
2018	–	0	–	–	0
2017	0	0	0	0	0
2016	–	0	–	–	0
2015	0	0	4	0	4
2014	–	0	147	83	230
2013	0	0	177	150	327
2012	–	0	167	183	350
2011	0	0	174	178	352
2010	–	0	157	179	336
2009	0	1	153	158	312
2008	–	0	136	148	284
2007	0	2	138	750	890
2006	–	12	144	787	943
2005	2	15	153	757	927
2004	31	22	158	711	922
2003	37	26	161	0	224
2002	38	16	230	–	284

¹Ocean Shad fishery eliminated in 2005.

²The permit to waive requirement to use TEDs in the Atlantic Ocean was discontinued in April 2019.

³The Pamlico Sound Gill Net Restricted Area permit was discontinued in September 2014.

⁴The For-Hire Fishing permit was discontinued in June 2014.

Table I.16 Number of Striped Bass Dealer Permits (total and by validation area) issued by fiscal year.

Fiscal Year	Total ¹	ASMA	Central	Southern	Ocean
2024	50	35	26	26	33
2023	55	40	27	27	37
2022	60	42	28	28	40
2021	63	45	27	27	40
2020	66	46	29	29	42
2019	68	49	36	36	38
2018	75	49	39	39	38
2017	77	50	39	39	40
2016	82	51	39	39	44
2015	85	45	43	43	52

¹Summing validation areas will not equal total number of permits. One permit can have multiple areas listed.

Table I.17 Number of Estuarine Flounder Dealer Permits (total and by reporting category and validation area) issued by fiscal year.

Year ²	Total ¹	Mobile Gears		Pound Net Gear		
		North	South	North	Central	South
2024	129	74	85	17	22	17
2023	146	72	97	18	26	16

¹Summing validation areas will not equal total number of permits. One permit can have multiple areas listed.

²The Estuarine Flounder Dealer Permit did not go into effect until the 2023 fiscal year.

Table I.18 Number of for-hire fishing permits and number of permits that have associated commercial fishing licenses by fiscal year.

Fiscal Year	Number of Permits	Number of Permits with SCFL	Number of Permits with RSCFL	Number of Permits with Shellfish Licenses	Number of Permits with CFVR
2014 ¹	184	82	3	3	81
2013	146	72	2	4	68
2012	188	83	5	1	94
2011	186	82	4	4	85
2010	164	80	4	1	85
2009	164	22	1	4	24
2008	148	71	6	1	78
2007 July–Dec ²	750	358	12	2	451
2006	787	365	13	6	465
2005	757	349	13	5	446
2004	711	319	12	8	382

¹The For-Hire Fishing Permit was discontinued in June 2014 as part of the restructuring of the for-hire license system.

²The For-Hire Blanket CRFL for for-hire vessels changed the demand for the For-Hire Permit during fiscal year 2007. If a for-hire operator had the For-Hire Blanket CRFL, then no permit was needed. If the operator chose not to obtain a For-Hire Blanket CRFL, then a For-Hire Permit must have been obtained.

Table I.19 Number of For-Hire Blanket CRFLs and number with associated commercial licenses by fiscal year.

Fiscal Year	Number of Licenses	Number of Licenses with SCFL	Number of Licenses with RSCFL	Number of Licenses with Shellfish Licenses	Number of Licenses with CFVR
2014 ¹	597	257	24	5	253
2013	481	236	16	2	227
2012	576	243	10	10	219
2011	650	248	11	3	211
2010	631	238	4	6	221
2009	612	263	9	1	237
2008	653	273	5	6	251

¹The For-Hire Blanket CRFL was discontinued in June 2014 as part of the restructuring of the for-hire license system.

Table I.20 Number of Blanket For-Hire Vessel CRFLs and number with associated commercial licenses by fiscal year.

Fiscal Year	Number of Licenses	Number of Licenses with SCFL	Number of Licenses with RSCFL	Number of Licenses with Shellfish Licenses	Number of Licenses with CFVR
2024	865	208	22	6	269
2023	802	210	26	5	310
2022	755	204	26	9	275
2021	690	209	22	0	251
2020	597	204	20	1	218
2019	588	189	23	2	210
2018	566	178	21	3	188
2017	521	165	24	4	166
2016	484	166	20	3	166
2015	420	160	16	7	147

Table I.21 Number of Non-Blanket For-Hire Vessel Licenses and number with associated commercial licenses by fiscal year.

Fiscal Year	Number of Licenses	Number of Licenses with SCFL	Number of Licenses with RSCFL	Number of Licenses with Shellfish Licenses	Number of Licenses with CFVR
2024	113	26	5	2	37
2023	136	29	7	2	48
2022	119	29	4	0	40
2021	119	29	4	1	43
2020	106	34	3	0	39
2019	121	43	2	0	50
2018	106	46	1	0	43
2017	124	43	0	0	45
2016	129	45	2	0	46
2015	113	44	2	1	45

Table I.22 Number of Blanket For-Hire Captain's CRFLs and number with associated commercial licenses by fiscal year.

Fiscal Year	Number of Licenses	Number of Licenses with SCFL	Number of Licenses with RSCFL	Number of Licenses with Shellfish Licenses	Number of Licenses with CFVR
2024	173	95	9	1	134
2023	166	91	8	2	148
2022	159	86	8	1	137
2021	146	86	7	1	126
2020	131	71	6	1	118
2019	135	74	4	2	116
2018	115	69	2	1	106
2017	118	72	0	1	105
2016	118	70	2	0	105
2015	106	60	2	0	93

Table I.23 Number of Commercial Fishing Vessel Registrations (CFVR) with For-Hire Endorsements by fiscal year.¹

Fiscal Year	Total CFVR Issued	Number of For-Hire Endorsements
2024	6,240	321
2023	6,355	326
2022	6,558	355
2021	6,427	372
2020	6,506	266
2019	6,634	247
2018	7,016	223
2017	7,270	251
2016	7,775	264
2015	8,103	343

¹The Blanket For-Hire Captain's CRFL was made available in FY2015 and requires a CFVR with For-Hire Endorsement on the vessel being used in a for-hire operation. Before 2015, CFVRs were only issued for commercial use; however, the owner of the CFVR could optionally declare use of their vessel as a charter boat.

Table I.24 Number of Blanket For-Hire Vessel CRFLs issued by fiscal year and passenger capacity.¹

Fiscal Year	Six or Fewer Passengers	More than Six Passengers	Total
2024	828	38	866
2023	764	38	802
2022	718	37	755
2021	658	32	690
2020	568	30	598
2019	556	32	588
2018	534	32	566
2017	497	24	521
2016	460	24	484
2015	394	26	420

¹There was a major restructuring of all for-hire licenses in June 2014, part of which was a change from annual effective dates from day of sale to fiscal year (July 1 to June 30) effective dates. Existing for-hire licenses were provided extensions to adjust to this shift in effective dates. For this reason, sales figures were affected and should not be directly compared to previous years.

Table I.25 Number of Coastal Recreational Fishing License (CRFL) Exemption Permits issued by fiscal year.

Fiscal Year	Applications	Approved	Denied
2024	14	14	0
2023	13	13	0
2022	8	8	0
2021	3	3	0
2020	6	6	0
2019	17	17	0
2018	20	20	0
2017	21	21	0
2016	28	26	2
2015	22	21	1

Table I.26 Number of Blocks of 10 Ten-Day Coastal Recreational Fishing Licenses issued by fiscal year.

Fiscal Year	Number of Licenses Issued
2024	1
2023	0
2022	2
2021	2
2020	1
2019	3
2018	2
2017	5
2016	5
2015	4

Table I.27 Distribution of North Carolina Coastal Recreational Fishing License (CRFL) sales by calendar year, type of license, and residency classification.

Year	Type of License	Resident of NC	Nonresident	Military stationed in NC	Student at NC School	Year Total
2023	10 Day CRFL - Nonresident	380	134,550	411	1	135,342
	10 Day CRFL - Resident	38,037	158	1,381	69	39,645
	Annual CRFL - Nonresident	450	26,153	65	0	26,668
	Annual CRFL - Resident	72,866	132	1,102	57	74,157
	Annual CRFL - Resident - Fire Fighter	56	0	0	0	56
	Annual Inland Fishing/CRFL - Subsistence Waiver	27,954	23	3	1	27,981
	Annual Unified Inland Fishing/CRFL	92,879	139	2,658	102	95,778
	Annual Unified Sportsman with CRFL	38,958	24	255	7	39,244
	Annual Unified Sportsman with CRFL - Fire Fighter	146	0	0	0	146
	Lifetime CRFL - Adult NC Resident	901	1	1	0	903
	Lifetime CRFL - Adult Nonresident	0	61	2	0	63
	Lifetime CRFL - Disabled Veteran	1,080	1	8	0	1,089
	Lifetime CRFL - Infant	89	11	0	0	100
	Lifetime CRFL - Totally Disabled	370	0	2	0	372
	Lifetime CRFL - Youth	111	18	0	0	129
	Lifetime Unified Inland Fishing/CRFL	1,638	2	3	2	1,645
	Lifetime Unified Inland Fishing/CRFL - Adult Care Home	154	0	0	0	154
	Lifetime Unified Inland Fishing/CRFL - Blind	21	0	0	0	21
	Lifetime Unified Inland Fishing/CRFL - Fire Fighter	16	0	0	0	16
	Lifetime Unified Sportsman with CRFL - Adult Nonresident	1	36	0	0	37
	Lifetime Unified Sportsman with CRFL - Adult Resident	1,943	7	0	0	1,950
	Lifetime Unified Sportsman with CRFL - Disabled Veteran	2,088	3	29	0	2,120
	Lifetime Unified Sportsman with CRFL - Infant	6,342	186	0	0	6,528
	Lifetime Unified Sportsman with CRFL - Totally Disabled	312	1	0	0	313
	Lifetime Unified Sportsman with CRFL - Youth	764	30	0	0	794
	Resident Age 50 & Older Unified Sportsman/CRFL	3,700	7	1	0	3,708
	Senior Coastal Fishing (CRFL)	2,085	6	0	0	2,091
	Unified Senior Sportsman/Coastal Fishing (CRFL)	1,513	1	0	0	1,514
	Year Total	294,854	161,550	5,921	239	462,564

Table I.27 Distribution of North Carolina Coastal Recreational Fishing License (CRFL) sales by calendar year, type of license, and residency classification (continued).

Year	Type of License	Resident of NC	Nonresident	Military stationed in NC	Student at NC School	Year Total
2022	10 Day CRFL - Nonresident	324	145,782	285	7	146,398
	10 Day CRFL - Resident	40,573	185	2,819	108	43,685
	Annual CRFL - Nonresident	262	25,956	46	2	26,266
	Annual CRFL - Resident	79,401	61	2,042	82	81,586
	Annual CRFL - Resident - Fire Fighter	1	0	0	0	1
	Annual Inland Fishing/CRFL - Subsistence Waiver	26,289	1	5	1	26,296
	Annual Unified Inland Fishing/CRFL	88,047	49	4,219	154	92,469
	Annual Unified Sportsman with CRFL	43,714	16	893	22	44,645
	Annual Unified Sportsman with CRFL - Fire Fighter	176	0	0	1	177
	Lifetime CRFL - Adult NC Resident	705	1	2	0	708
	Lifetime CRFL - Adult Nonresident	0	40	0	0	40
	Lifetime CRFL - Disabled Veteran	974	2	14	0	990
	Lifetime CRFL - Infant	100	21	0	0	121
	Lifetime CRFL - Totally Disabled	447	0	1	0	448
	Lifetime CRFL - Youth	116	10	0	0	126
	Lifetime Senior CRFL	2,136	1	2	0	2,139
	Lifetime Senior Unified Sportsman with CRFL	1,189	0	0	0	1,189
	Lifetime Unified Inland Fishing/CRFL	1,433	0	8	3	1,444
	Lifetime Unified Inland Fishing/CRFL - Adult Care Home	85	0	0	0	85
	Lifetime Unified Inland Fishing/CRFL - Blind	22	0	0	0	22
	Lifetime Unified Inland Fishing/CRFL - Fire Fighter	17	0	0	0	17
	Lifetime Unified Sportsman with CRFL - Adult Nonresident	0	29	1	0	30
	Lifetime Unified Sportsman with CRFL - Adult Resident	1,637	2	11	2	1,652
	Lifetime Unified Sportsman with CRFL - Disabled Veteran	1,564	0	50	0	1,614
	Lifetime Unified Sportsman with CRFL - Infant	6,372	158	0	0	6,530
	Lifetime Unified Sportsman with CRFL - Totally Disabled	385	0	1	0	386
	Lifetime Unified Sportsman with CRFL - Youth	943	21	0	0	964
	Resident Age 50 & Older Unified Sportsman/CRFL	4,972	6	1	0	4,979
	Year Total	301,884	172,341	10,400	382	485,007

Table I.27 Distribution of North Carolina Coastal Recreational Fishing License (CRFL) sales by calendar year, type of license, and residency classification (*continued*).

Year	Type of License	Resident of NC	Nonresident	Military stationed in NC	Student at NC School	Year Total
2021	10 Day CRFL - Nonresident	807	159,253	808	11	160,879
	10 Day CRFL - Resident	43,359	265	2,193	114	45,931
	Annual CRFL - Nonresident	767	26,246	145	3	27,161
	Annual CRFL - Resident	90,290	159	2,367	81	92,897
	Annual CRFL - Resident - Fire Fighter	10	0	0	0	10
	Annual Inland Fishing/CRFL - Subsistence Waiver	23,196	2	10	0	23,208
	Annual Unified Inland Fishing/CRFL	88,349	111	4,347	118	92,925
	Annual Unified Sportsman with CRFL	47,058	61	902	13	48,034
	Annual Unified Sportsman with CRFL - Fire Fighter	287	0	0	0	287
	Lifetime CRFL - Adult NC Resident	683	4	1	3	691
	Lifetime CRFL - Adult Nonresident	2	44	1	0	47
	Lifetime CRFL - Disabled Veteran	886	0	15	0	901
	Lifetime CRFL - Infant	95	17	0	0	112
	Lifetime CRFL - Totally Disabled	481	0	1	0	482
	Lifetime CRFL - Youth	125	11	0	0	136
	Lifetime Senior CRFL	3,406	3	2	1	3,412
	Lifetime Senior Unified Sportsman with CRFL	1,608	2	1	0	1,611
	Lifetime Unified Inland Fishing/CRFL	1,589	3	1	0	1,593
	Lifetime Unified Inland Fishing/CRFL - Adult Care Home	189	0	0	0	189
	Lifetime Unified Inland Fishing/CRFL - Blind	41	0	0	0	41
	Lifetime Unified Inland Fishing/CRFL - Fire Fighter	34	0	0	0	34
	Lifetime Unified Sportsman with CRFL - Adult Nonresident	0	29	0	0	29
	Lifetime Unified Sportsman with CRFL - Adult Resident	1,859	14	12	1	1,886
	Lifetime Unified Sportsman with CRFL - Disabled Veteran	1,474	2	30	1	1,507
	Lifetime Unified Sportsman with CRFL - Infant	5,967	169	0	0	6,136
	Lifetime Unified Sportsman with CRFL - Totally Disabled	365	1	0	0	366
	Lifetime Unified Sportsman with CRFL - Youth	938	41	0	0	979
	Resident Age 50 & Older Unified Sportsman/CRFL	2,173	3	1	0	2,177
	Year Total	316,038	186,440	10,837	346	513,661

Table I.27 Distribution of North Carolina Coastal Recreational Fishing License (CRFL) sales by calendar year, type of license, and residency classification (continued).

Year	Type of License	Resident of NC	Nonresident	Military stationed in NC	Student at NC School	Year Total	
2020	10 Day CRFL - Nonresident	1,179	138,070	801	13	140,063	
	10 Day CRFL - Resident	46,282	375	2,144	78	48,879	
	Annual CRFL - Nonresident	1,180	24,406	148	6	25,740	
	Annual CRFL - Resident	106,082	270	3,421	96	109,869	
	Annual CRFL - Resident - Fire Fighter	11	0	0	0	11	
	Annual Inland Fishing/CRFL - Subsistence Waiver	20,179	4	6	0	20,189	
	Annual Unified Inland Fishing/CRFL	81,967	202	4,773	117	87,059	
	Annual Unified Sportsman with CRFL	46,270	113	909	7	47,299	
	Annual Unified Sportsman with CRFL - Fire Fighter	518	0	0	0	518	
	Annual Unified Totally Disabled Sportsman with CRFL	1	0	0	0	1	
	Lifetime CRFL - Adult NC Resident	545	1	0	0	546	
	Lifetime CRFL - Adult Nonresident	0	25	0	0	25	
	Lifetime CRFL - Disabled Veteran	846	2	15	0	863	
	Lifetime CRFL - Infant	92	14	0	0	106	
	Lifetime CRFL - Totally Disabled	436	0	3	0	439	
	Lifetime CRFL - Youth	107	3	0	0	110	
	Lifetime Senior CRFL	3,796	5	2	0	3,803	
	Lifetime Senior Unified Sportsman with CRFL	1,923	3	0	0	1,926	
	Lifetime Unified Inland Fishing/CRFL	1,178	1	0	0	1,179	
	Lifetime Unified Inland Fishing/CRFL - Adult Care Home	82	0	0	0	82	
	Lifetime Unified Inland Fishing/CRFL - Blind	33	0	0	0	33	
	Lifetime Unified Inland Fishing/CRFL - Fire Fighter	26	0	0	0	26	
	Lifetime Unified Sportsman with CRFL - Adult Nonresident	0	24	0	0	24	
	Lifetime Unified Sportsman with CRFL - Adult Resident	1,580	12	5	1	1,598	
	Lifetime Unified Sportsman with CRFL - Disabled Veteran	1,171	5	30	1	1,207	
	Lifetime Unified Sportsman with CRFL - Infant	5,175	137	1	0	5,313	
	Lifetime Unified Sportsman with CRFL - Totally Disabled	387	1	0	0	388	
	Lifetime Unified Sportsman with CRFL - Youth	786	19	1	0	806	
	Year Total		321,832	163,692	12,259	319	498,102

Table I.27 Distribution of North Carolina Coastal Recreational Fishing License (CRFL) sales by calendar year, type of license, and residency classification (continued).

Year	Type of License	Resident of NC	Nonresident	Military stationed in NC	Student at NC School	Year Total	
2019	10 Day CRFL - Nonresident	1,420	132,263	669	16	134,368	
	10 Day CRFL - Resident	42,144	420	2,077	83	44,724	
	Annual CRFL - Nonresident	1,257	21,102	121	8	22,488	
	Annual CRFL - Resident	109,427	438	4,643	81	114,589	
	Annual CRFL - Resident - Fire Fighter	3	0	0	0	3	
	Annual Inland Fishing/CRFL - Subsistence Waiver	30,457	9	13	0	30,479	
	Annual Unified Inland Fishing/CRFL	45,729	164	1,868	60	47,821	
	Annual Unified Sportsman with CRFL	42,892	145	833	6	43,876	
	Annual Unified Sportsman with CRFL - Fire Fighter	354	1	0	0	355	
	Lifetime CRFL - Adult NC Resident	364	0	1	0	365	
	Lifetime CRFL - Adult Nonresident	0	10	0	0	10	
	Lifetime CRFL - Disabled Veteran	879	3	12	0	894	
	Lifetime CRFL - Infant	82	9	0	0	91	
	Lifetime CRFL - Totally Disabled	534	1	0	0	535	
	Lifetime CRFL - Youth	88	3	0	0	91	
	Lifetime Senior CRFL	4,649	8	1	0	4,658	
	Lifetime Senior Unified Sportsman with CRFL	3,213	6	1	0	3,220	
	Lifetime Unified Inland Fishing/CRFL	657	0	2	1	660	
	Lifetime Unified Inland Fishing/CRFL - Adult Care Home	207	0	0	0	207	
	Lifetime Unified Inland Fishing/CRFL - Blind	56	0	0	0	56	
	Lifetime Unified Inland Fishing/CRFL - Fire Fighter	11	0	0	0	11	
	Lifetime Unified Sportsman with CRFL - Adult Nonresident	0	22	0	0	22	
	Lifetime Unified Sportsman with CRFL - Adult Resident	1,385	11	6	0	1,402	
	Lifetime Unified Sportsman with CRFL - Disabled Veteran	1,035	9	28	0	1,072	
	Lifetime Unified Sportsman with CRFL - Infant	5,486	144	1	0	5,631	
	Lifetime Unified Sportsman with CRFL - Totally Disabled	336	0	0	0	336	
	Lifetime Unified Sportsman with CRFL - Youth	613	21	1	0	635	
	Year Total		293,278	154,789	10,277	255	458,599

Table I.27 Distribution of North Carolina Coastal Recreational Fishing License (CRFL) sales by calendar year, type of license, and residency classification (continued).

Year	Type of License	Resident of NC	Nonresident	Military stationed in NC	Student at NC School	Year Total
2018	10 Day CRFL - Nonresident	1,631	127,726	646	17	130,020
	10 Day CRFL - Resident	37,764	394	1,824	68	40,050
	Annual CRFL - Nonresident	1,279	19,806	119	6	21,210
	Annual CRFL - Resident	98,537	532	4,367	66	103,502
	Annual Inland Fishing/CRFL - Subsistence Waiver	29,960	16	10	1	29,987
	Annual Unified Inland Fishing/CRFL	38,344	194	1,649	45	40,232
	Annual Unified Sportsman with CRFL	40,716	206	768	10	41,700
	Lifetime CRFL - Adult NC Resident	285	1	0	0	286
	Lifetime CRFL - Adult Nonresident	2	14	0	0	16
	Lifetime CRFL - Disabled Veteran	735	4	17	0	756
	Lifetime CRFL - Infant	67	11	0	0	78
	Lifetime CRFL - Totally Disabled	436	2	1	0	439
	Lifetime CRFL - Youth	88	7	0	0	95
	Lifetime Senior CRFL	5,716	12	3	0	5,731
	Lifetime Senior Unified Sportsman with CRFL	5,703	15	1	0	5,719
	Lifetime Unified Inland Fishing/CRFL	571	1	0	1	573
	Lifetime Unified Inland Fishing/CRFL - Adult Care Home	238	1	0	0	239
	Lifetime Unified Inland Fishing/CRFL - Blind	53	0	0	0	53
	Lifetime Unified Sportsman with CRFL - Adult Nonresident	1	12	0	0	13
	Lifetime Unified Sportsman with CRFL - Adult Resident	1,191	12	7	0	1,210
	Lifetime Unified Sportsman with CRFL - Disabled Veteran	949	8	30	0	987
	Lifetime Unified Sportsman with CRFL - Infant	4,989	153	2	0	5,144
	Lifetime Unified Sportsman with CRFL - Totally Disabled	333	0	0	0	333
Lifetime Unified Sportsman with CRFL - Youth	528	20	0	0	548	
Year Total		270,116	149,147	9,444	214	428,921

Table I.27 Distribution of North Carolina Coastal Recreational Fishing License (CRFL) sales by calendar year, type of license, and residency classification (continued).

Year	Type of License	Resident of NC	Nonresident	Military stationed in NC	Student at NC School	Year Total
2017	10 Day CRFL - Nonresident	1,994	136,573	699	18	139,284
	10 Day CRFL - Resident	44,917	505	1,864	63	47,349
	Annual CRFL - Nonresident	1,675	20,208	146	5	22,034
	Annual CRFL - Resident	112,925	680	5,331	65	119,001
	Annual Inland Fishing/CRFL - Subsistence Waiver	33,931	21	19	1	33,972
	Annual Unified Inland Fishing/CRFL	38,419	228	1,284	38	39,969
	Annual Unified Sportsman with CRFL	42,055	276	779	5	43,115
	Lifetime CRFL - Adult NC Resident	299	1	0	0	300
	Lifetime CRFL - Adult Nonresident	1	17	0	0	18
	Lifetime CRFL - Disabled Veteran	774	1	14	0	789
	Lifetime CRFL - Infant	77	8	0	0	85
	Lifetime CRFL - Totally Disabled	577	1	1	0	579
	Lifetime CRFL - Youth	104	6	0	0	110
	Lifetime Senior CRFL	7,124	20	3	1	7,148
	Lifetime Senior Unified Sportsman with CRFL	6,909	22	2	0	6,933
	Lifetime Unified Inland Fishing/CRFL	456	3	0	0	459
	Lifetime Unified Inland Fishing/CRFL - Adult Care Home	235	0	0	0	235
	Lifetime Unified Inland Fishing/CRFL - Blind	77	0	0	0	77
	Lifetime Unified Sportsman with CRFL - Adult Nonresident	1	16	0	0	17
	Lifetime Unified Sportsman with CRFL - Adult Resident	1,114	28	5	1	1,148
	Lifetime Unified Sportsman with CRFL - Disabled Veteran	928	11	27	0	966
	Lifetime Unified Sportsman with CRFL - Infant	4,909	146	3	0	5,058
	Lifetime Unified Sportsman with CRFL - Totally Disabled	360	0	0	0	360
Lifetime Unified Sportsman with CRFL - Youth	548	15	0	0	563	
Year Total		300,409	158,786	10,177	197	469,569

Table I.27 Distribution of North Carolina Coastal Recreational Fishing License (CRFL) sales by calendar year, type of license, and residency classification (continued).

Year	Type of License	Resident of NC	Nonresident	Military stationed in NC	Student at NC School	Year Total
2016	10 Day CRFL - Nonresident	2,255	135,430	713	29	138,427
	10 Day CRFL - Resident	44,593	481	1,846	53	46,973
	Annual CRFL - Nonresident	1,574	18,695	100	5	20,374
	Annual CRFL - Resident	113,878	893	5,582	63	120,416
	Annual Inland Fishing/CRFL - Subsistence Waiver	38,487	30	25	2	38,544
	Annual Unified Inland Fishing/CRFL	34,863	245	1,163	33	36,304
	Annual Unified Sportsman with CRFL	41,663	332	800	12	42,807
	Lifetime CRFL - Adult NC Resident	279	2	0	0	281
	Lifetime CRFL - Adult Nonresident	0	10	0	0	10
	Lifetime CRFL - Disabled Veteran	761	3	11	0	775
	Lifetime CRFL - Infant	74	7	0	0	81
	Lifetime CRFL - Totally Disabled	597	1	0	0	598
	Lifetime CRFL - Youth	61	8	0	0	69
	Lifetime Senior CRFL	6,646	17	7	0	6,670
	Lifetime Senior Unified Sportsman with CRFL	6,891	19	2	0	6,912
	Lifetime Unified Inland Fishing/CRFL	414	3	1	0	418
	Lifetime Unified Inland Fishing/CRFL - Adult Care Home	321	1	0	0	322
	Lifetime Unified Inland Fishing/CRFL - Blind	48	0	0	0	48
	Lifetime Unified Sportsman with CRFL - Adult Nonresident	1	13	1	0	15
	Lifetime Unified Sportsman with CRFL - Adult Resident	1,088	14	2	0	1,104
	Lifetime Unified Sportsman with CRFL - Disabled Veteran	806	16	10	1	833
	Lifetime Unified Sportsman with CRFL - Infant	4,669	124	2	0	4,795
	Lifetime Unified Sportsman with CRFL - Totally Disabled	379	3	1	0	383
Lifetime Unified Sportsman with CRFL - Youth	527	18	0	0	545	
Year Total		300,875	156,365	10,266	198	467,704

Table I.27 Distribution of North Carolina Coastal Recreational Fishing License (CRFL) sales by calendar year, type of license, and residency classification (continued).

Year	Type of License	Resident of NC	Nonresident	Military stationed in NC	Student at NC School	Year Total
2015	10 Day CRFL - Nonresident	2,595	140,716	666	21	143,998
	10 Day CRFL - Resident	46,331	552	1,744	42	48,669
	Annual CRFL - Nonresident	1,674	18,668	102	5	20,449
	Annual CRFL - Resident	118,245	1,036	5,654	76	125,011
	Annual Inland Fishing/CRFL - Subsistence Waiver	41,241	47	19	2	41,309
	Annual Unified Inland Fishing/CRFL	32,758	317	1,015	22	34,112
	Annual Unified Sportsman with CRFL	42,526	412	745	9	43,692
	Lifetime CRFL - Adult NC Resident	212	3	0	0	215
	Lifetime CRFL - Adult Nonresident	0	10	0	0	10
	Lifetime CRFL - Disabled Veteran	853	7	10	0	870
	Lifetime CRFL - Infant	52	9	0	0	61
	Lifetime CRFL - Totally Disabled	595	1	0	0	596
	Lifetime CRFL - Youth	61	9	0	0	70
	Lifetime Senior CRFL	6,823	21	5	0	6,849
	Lifetime Senior Unified Sportsman with CRFL	6,632	21	3	0	6,656
	Lifetime Unified Inland Fishing/CRFL	372	2	1	0	375
	Lifetime Unified Inland Fishing/CRFL - Adult Care Home	262	0	0	0	262
	Lifetime Unified Inland Fishing/CRFL - Blind	103	0	0	0	103
	Lifetime Unified Sportsman with CRFL - Adult Nonresident	0	12	0	0	12
	Lifetime Unified Sportsman with CRFL - Adult Resident	1,036	26	8	0	1,070
	Lifetime Unified Sportsman with CRFL - Disabled Veteran	875	12	19	1	907
	Lifetime Unified Sportsman with CRFL - Infant	4,409	144	5	0	4,558
	Lifetime Unified Sportsman with CRFL - Totally Disabled	449	0	0	0	449
Lifetime Unified Sportsman with CRFL - Youth	514	26	1	0	541	
Year Total		308,618	162,051	9,997	178	480,844

Table I.27 Distribution of North Carolina Coastal Recreational Fishing License (CRFL) sales by calendar year, type of license, and residency classification (continued).

Year	Type of License	Resident of NC	Nonresident	Military stationed in NC	Student at NC School	Year Total
2014	10 Day CRFL - Nonresident	2,980	142,083	637	18	145,718
	10 Day CRFL - Resident	48,215	617	1,556	51	50,439
	Annual CRFL - Nonresident	1,796	17,981	93	2	19,872
	Annual CRFL - Resident	123,661	1,247	5,990	90	130,988
	Annual Inland Fishing/CRFL - Subsistence Waiver	38,834	42	18	1	38,895
	Annual Unified Inland Fishing/CRFL	31,042	362	1,183	39	32,626
	Annual Unified Sportsman with CRFL	43,462	471	931	9	44,873
	Lifetime CRFL - Adult NC Resident	193	2	0	0	195
	Lifetime CRFL - Adult Nonresident	1	12	0	0	13
	Lifetime CRFL - Age 65	3,964	17	4	0	3,985
	Lifetime CRFL - Disabled Veteran	741	2	17	0	760
	Lifetime CRFL - Infant	76	3	0	0	79
	Lifetime CRFL - Totally Disabled	650	1	0	0	651
	Lifetime CRFL - Youth	56	0	0	0	56
	Lifetime Senior CRFL	3,214	7	3	0	3,224
	Lifetime Senior Unified Sportsman with CRFL	3,173	11	0	0	3,184
	Lifetime Unified Inland Fishing/CRFL	267	4	0	1	272
	Lifetime Unified Inland Fishing/CRFL - Adult Care Home	365	0	0	0	365
	Lifetime Unified Inland Fishing/CRFL - Blind	81	0	0	0	81
	Lifetime Unified Sportsman with CRFL - Adult Nonresident	0	21	0	0	21
	Lifetime Unified Sportsman with CRFL - Adult Resident	998	15	3	0	1,016
	Lifetime Unified Sportsman with CRFL - Age 65	3,092	14	0	0	3,106
	Lifetime Unified Sportsman with CRFL - Disabled Veteran	768	13	29	0	810
	Lifetime Unified Sportsman with CRFL - Infant	3,981	135	3	0	4,119
Lifetime Unified Sportsman with CRFL - Totally Disabled	409	2	1	0	412	
Lifetime Unified Sportsman with CRFL - Youth	506	20	1	0	527	
Year Total		312,525	163,082	10,469	211	486,287

Table I.28 Distribution of North Carolina CRFL sales by calendar year and collapsed license group with group components.

Year	Type of License/Collapsed	Type of License	Number	Percent of License Group
2023	10 Ten-Day Licenses	10 Ten-Day CRFL - Nonresident	135,133	77.34
		10 Ten-Day CRFL - Resident	39,603	22.66
		Total	174,736	100.00
Annual Licenses		Annual CRFL - Nonresident	26,600	9.96
		Annual CRFL - Resident	73,942	27.67
		Annual CRFL - Resident - Fire Fighter	56	0.02
		Annual Inland Fishing/CRFL - Subsistence Waiver	27,974	10.47
		Annual Unified Inland Fishing/CRFL	95,607	35.78
		Annual Unified Sportsman with CRFL	39,171	14.66
		Annual Unified Sportsman with CRFL - Fire Fighter	146	0.05
		Resident Age 50 & Older Unified Sportsman/CRFL	3,701	1.39
		Total	267,197	100.00
Lifetime Licenses		Lifetime CRFL - Adult NC Resident	902	4.55
		Lifetime CRFL - Adult Nonresident	63	0.32
		Lifetime CRFL - Disabled Veteran	1,089	5.49
		Lifetime CRFL - Infant	100	0.50
		Lifetime CRFL - Totally Disabled	372	1.88
		Lifetime CRFL - Youth	129	0.65
		Lifetime Senior CRFL	2,028	10.23
		Lifetime Senior Unified Sportsman with CRFL	1,450	7.31
		Lifetime Unified Inland Fishing/CRFL	1,643	8.29
		Lifetime Unified Inland Fishing/CRFL - Adult Care Home	154	0.78
		Lifetime Unified Inland Fishing/CRFL - Blind	21	0.11
		Lifetime Unified Inland Fishing/CRFL - Fire Fighter	16	0.08
		Lifetime Unified Sportsman with CRFL - Adult Nonresident	37	0.19
		Lifetime Unified Sportsman with CRFL - Adult Resident	1,947	9.82
		Lifetime Unified Sportsman with CRFL - Age 65	63	0.32
		Lifetime Unified Sportsman with CRFL - Disabled Veteran	2,120	10.69
		Lifetime Unified Sportsman with CRFL - Infant	6,525	32.91
		Lifetime Unified Sportsman with CRFL - Totally Disabled	313	1.58
		Lifetime Unified Sportsman with CRFL - Youth	793	4.00
		Total	19,828	100.00

Table I.28 Distribution of North Carolina CRFL sales by calendar year and collapsed license group with group components (continued).

Year	Type of License/Collapsed	Type of License	Number	Percent of License Group
2022	10 Ten-Day Licenses	10 Ten-Day CRFL - Nonresident	146,398	77.02
		10 Ten-Day CRFL - Resident	43,685	22.98
		Total	190,083	100.00
Annual Licenses		Annual CRFL - Nonresident	26,266	9.50
		Annual CRFL - Resident	81,586	29.52
		Annual CRFL - Resident - Fire Fighter	1	0.00
		Annual Inland Fishing/CRFL - Subsistence Waiver	26,296	9.51
		Annual Unified Inland Fishing/CRFL	92,469	33.45
		Annual Unified Sportsman with CRFL	44,645	16.15
		Annual Unified Sportsman with CRFL - Fire Fighter	177	0.06
		Resident Age 50 & Older Unified Sportsman/CRFL	4,979	1.80
		Total	276,419	100.00
Lifetime Licenses		Lifetime CRFL - Adult NC Resident	708	3.83
		Lifetime CRFL - Adult Nonresident	40	0.22
		Lifetime CRFL - Disabled Veteran	990	5.35
		Lifetime CRFL - Infant	121	0.65
		Lifetime CRFL - Totally Disabled	448	2.42
		Lifetime CRFL - Youth	126	0.68
		Lifetime Senior CRFL	2,139	11.56
		Lifetime Senior Unified Sportsman with CRFL	1,189	6.43
		Lifetime Unified Inland Fishing/CRFL	1,444	7.80
		Lifetime Unified Inland Fishing/CRFL - Adult Care Home	85	0.46
		Lifetime Unified Inland Fishing/CRFL - Blind	22	0.12
		Lifetime Unified Inland Fishing/CRFL - Fire Fighter	17	0.09
		Lifetime Unified Sportsman with CRFL - Adult Nonresident	30	0.16
		Lifetime Unified Sportsman with CRFL - Adult Resident	1,652	8.93
		Lifetime Unified Sportsman with CRFL - Disabled Veteran	1,614	8.72
		Lifetime Unified Sportsman with CRFL - Infant	6,530	35.29
		Lifetime Unified Sportsman with CRFL - Totally Disabled	386	2.09
		Lifetime Unified Sportsman with CRFL - Youth	964	5.21
		Total	18,505	100.00

Table I.28 Distribution of North Carolina CRFL sales by calendar year and collapsed license group with group components (continued).

Year	Type of License/Collapsed	Type of License	Number	Percent of License Group
2021	10 Ten-Day Licenses	10 Ten-Day CRFL - Nonresident	160,886	77.79
		10 Ten-Day CRFL - Resident	45,931	22.21
		Total	206,817	100.00
Annual Licenses		Annual CRFL - Nonresident	27,161	9.47
		Annual CRFL - Resident	92,899	32.40
		Annual CRFL - Resident - Fire Fighter	10	0.00
		Annual Inland Fishing/CRFL - Subsistence Waiver	23,208	8.09
		Annual Unified Inland Fishing/CRFL	92,925	32.41
		Annual Unified Sportsman with CRFL	48,034	16.75
		Annual Unified Sportsman with CRFL - Fire Fighter	287	0.10
		Annual Resident Age 50 & Older Sportsman with CRFL	2,177	0.76
		Total	286,701	100.00
		Lifetime Licenses		Lifetime CRFL - Adult NC Resident
Lifetime CRFL - Adult Nonresident	47			0.23
Lifetime CRFL - Disabled Veteran	902			4.47
Lifetime CRFL - Infant	112			0.56
Lifetime CRFL - Totally Disabled	483			2.40
Lifetime CRFL - Youth	136			0.67
Lifetime Senior CRFL	3,412			16.93
Lifetime Senior Unified Sportsman with CRFL	1,612			8.00
Lifetime Unified Inland Fishing/CRFL	1,595			7.91
Lifetime Unified Inland Fishing/CRFL - Adult Care Home	189			0.94
Lifetime Unified Inland Fishing/CRFL - Blind	41			0.20
Lifetime Unified Inland Fishing/CRFL - Fire Fighter	34			0.17
Lifetime Unified Sportsman with CRFL - Adult Nonresident	29			0.14
Lifetime Unified Sportsman with CRFL - Adult Resident	1,886			9.36
Lifetime Unified Sportsman with CRFL - Disabled Veteran	1,507			7.48
Lifetime Unified Sportsman with CRFL - Infant	6,136			30.44
Lifetime Unified Sportsman with CRFL - Totally Disabled	366			1.82
Lifetime Unified Sportsman with CRFL - Youth	979			4.86
Total	20,157			100.00

Table I.28 Distribution of North Carolina CRFL sales by calendar year and collapsed license group with group components (continued).

Year	Type of License/Collapsed	Type of License	Number	Percent of License Group
2020	10 Ten-Day Licenses	10 Ten-Day CRFL - Nonresident	140,063	74.13
		10 Ten-Day CRFL - Resident	48,879	25.87
		Total	188,942	100.00
	Annual Licenses	Annual CRFL - Nonresident	25,740	8.85
		Annual CRFL - Resident	109,870	37.80
		Annual CRFL - Resident - Fire Fighter	11	0.00
		Annual Inland Fishing/CRFL - Subsistence Waiver	20,189	6.95
		Annual Unified Inland Fishing/CRFL	87,059	29.95
		Annual Unified Sportsman with CRFL	47,299	16.27
		Annual Unified Sportsman with CRFL - Fire Fighter	518	0.18
		Annual Unified Totally Disabled Sportsman with CRFL	1	0.00
		Total	290,687	100.00
	Lifetime Licenses	Lifetime CRFL - Adult NC Resident	546	2.96
		Lifetime CRFL - Adult Nonresident	25	0.14
		Lifetime CRFL - Disabled Veteran	863	4.67
		Lifetime CRFL - Infant	106	0.57
		Lifetime CRFL - Totally Disabled	439	2.38
		Lifetime CRFL - Youth	110	0.60
		Lifetime Senior CRFL	3,803	20.58
		Lifetime Senior Unified Sportsman with CRFL	1,926	10.42
		Lifetime Unified Inland Fishing/CRFL	1,180	6.39
		Lifetime Unified Inland Fishing/CRFL - Adult Care Home	82	0.44
		Lifetime Unified Inland Fishing/CRFL - Blind	33	0.18
		Lifetime Unified Inland Fishing/CRFL - Fire Fighter	26	0.14
		Lifetime Unified Sportsman with CRFL - Adult Nonresident	24	0.13
		Lifetime Unified Sportsman with CRFL - Adult Resident	1,598	8.65
		Lifetime Unified Sportsman with CRFL - Disabled Veteran	1,207	6.53
		Lifetime Unified Sportsman with CRFL - Infant	5,313	28.76
		Lifetime Unified Sportsman with CRFL - Totally Disabled	388	2.10
		Lifetime Unified Sportsman with CRFL - Youth	806	4.36
Total		18,475	100.00	

Table I.28 Distribution of North Carolina CRFL sales by calendar year and collapsed license group with group components (continued).

Year	Type of License/Collapsed	Type of License	Number	Percent of License Group
2019	10 Ten-Day Licenses	10 Ten-Day CRFL - Nonresident	134,368	75.00
		10 Ten-Day CRFL - Resident	44,724	25.00
		Total	179,092	100.00
	Annual Licenses	Annual CRFL - Nonresident	22,488	8.70
		Annual CRFL - Resident	114,589	44.10
		Annual CRFL - Resident - Fire Fighter	3	0.00
		Annual Inland Fishing/CRFL - Substance Waiver	30,479	11.70
		Annual Unified Inland Fishing/CRFL	47,821	18.40
		Annual Unified Sportsman with CRFL	43,876	16.90
		Annual Unified Sportsman with CRFL - Fire Fighter	355	0.10
		Total	259,611	100.00
	Lifetime Licenses	Lifetime CRFL - Adult NC Resident	365	1.80
		Lifetime CRFL - Adult Nonresident	10	0.10
		Lifetime CRFL - Disabled Veteran	894	4.50
		Lifetime CRFL - Infant	91	0.50
		Lifetime CRFL - Totally Disabled	535	2.70
		Lifetime CRFL - Youth	91	0.50
		Lifetime Senior CRFL	4,658	23.40
		Lifetime Senior Unified Sportsman with CRFL	3,220	16.20
		Lifetime Unified Inland Fishing/CRFL	660	3.30
		Lifetime Unified Inland Fishing/CRFL - Adult Care Home	207	1.00
		Lifetime Unified Inland Fishing/CRFL - Blind	56	0.30
		Lifetime Unified Inland Fishing/CRFL - Fire Fighter	11	0.10
		Lifetime Unified Sportsman with CRFL - Adult Nonresident	22	0.10
		Lifetime Unified Sportsman with CRFL - Adult Resident	1,402	7.00
		Lifetime Unified Sportsman with CRFL - Disabled Veteran	1,072	5.40
		Lifetime Unified Sportsman with CRFL - Infant	5,631	28.30
Lifetime Unified Sportsman with CRFL - Totally Disabled		336	1.70	
Lifetime Unified Sportsman with CRFL - Youth	635	3.20		
Total	19,896	100.00		

Table I.28 Distribution of North Carolina CRFL sales by calendar year and collapsed license group with group components (continued).

Year	Type of License/Collapsed	Type of License	Number	Percent of License Group
2018	10 Ten-Day Licenses	10 Ten-Day CRFL - Nonresident	130,022	76.45
		10 Ten-Day CRFL - Resident	40,051	23.55
		Total	170,073	100.00
	Annual Licenses	Annual CRFL - Nonresident	21,210	8.96
		Annual CRFL - Resident	103,502	43.74
		Annual Inland Fishing/CRFL - Subsistence Waiver	29,987	12.67
		Annual Unified Inland Fishing/CRFL	40,232	17.00
		Annual Unified Sportsman with CRFL	41,703	17.62
		Total	236,634	100.00
	Lifetime Licenses	Lifetime CRFL - Adult NC Resident	286	1.29
		Lifetime CRFL - Adult Nonresident	16	0.07
		Lifetime CRFL - Disabled Veteran	756	3.40
		Lifetime CRFL - Infant	78	0.35
		Lifetime CRFL - Totally Disabled	439	1.98
		Lifetime CRFL - Youth	95	0.43
		Lifetime Senior CRFL	5,732	25.79
		Lifetime Senior Unified Sportsman with CRFL	5,719	25.73
		Lifetime Unified Inland Fishing/CRFL	574	2.58
		Lifetime Unified Inland Fishing/CRFL - Adult Care Home	239	1.08
		Lifetime Unified Inland Fishing/CRFL - Blind	53	0.24
Lifetime Unified Sportsman with CRFL - Adult Nonresident		13	0.06	
Lifetime Unified Sportsman with CRFL - Adult Resident		1,210	5.44	
Lifetime Unified Sportsman with CRFL - Disabled Veteran		987	4.44	
Lifetime Unified Sportsman with CRFL - Infant		5,145	23.15	
Lifetime Unified Sportsman with CRFL - Totally Disabled		333	1.50	
Lifetime Unified Sportsman with CRFL - Youth		548	2.47	
Total	22,223	100.00		

Table I.28 Distribution of North Carolina CRFL sales by calendar year and collapsed license group with group components (continued).

Year	Type of License/Collapsed	Type of License	Number	Percent of License Group
2017	10 Ten-Day Licenses	10 Ten-Day CRFL - Nonresident	139,285	74.63
		10 Ten-Day CRFL - Resident	47,349	25.37
		Total	186,634	100.00
	Annual Licenses	Annual CRFL - Nonresident	22,034	8.54
		Annual CRFL - Resident	119,001	46.11
		Annual Inland Fishing/CRFL - Subsistence Waiver	33,972	13.16
		Annual Unified Inland Fishing/CRFL	39,969	15.49
		Annual Unified Sportsman with CRFL	43,115	16.71
		Total	258,091	100.00
	Lifetime Licenses	Lifetime CRFL - Adult NC Resident	300	1.21
		Lifetime CRFL - Adult Nonresident	18	0.07
		Lifetime CRFL - Disabled Veteran	789	3.18
		Lifetime CRFL - Infant	85	0.34
		Lifetime CRFL - Totally Disabled	579	2.33
		Lifetime CRFL - Youth	110	0.44
		Lifetime Senior CRFL	7,148	28.77
		Lifetime Senior Unified Sportsman with CRFL	6,933	27.90
		Lifetime Unified Inland Fishing/CRFL	459	1.85
		Lifetime Unified Inland Fishing/CRFL - Adult Care Home	235	0.95
		Lifetime Unified Inland Fishing/CRFL - Blind	77	0.31
		Lifetime Unified Sportsman with CRFL - Adult Nonresident	17	0.07
		Lifetime Unified Sportsman with CRFL - Adult Resident	1,148	4.62
Lifetime Unified Sportsman with CRFL - Disabled Veteran		966	3.89	
Lifetime Unified Sportsman with CRFL - Infant		5,058	20.36	
Lifetime Unified Sportsman with CRFL - Totally Disabled		361	1.45	
Lifetime Unified Sportsman with CRFL - Youth		563	2.27	
Total		24,846	100.00	

Table I.28 Distribution of North Carolina CRFL sales by calendar year and collapsed license group with group components (continued).

Year	Type of License/Collapsed	Type of License	Number	Percent of License Group
2016	10 Ten-Day Licenses	10 Ten-Day CRFL - Nonresident	138,427	74.66
		10 Ten-Day CRFL - Resident	46,973	25.34
		Total	185,400	100.00
	Annual Licenses	Annual CRFL - Nonresident	20,374	7.88
		Annual CRFL - Resident	120,416	46.59
		Annual Inland Fishing/CRFL - Subsistence Waiver	38,544	14.91
		Annual Unified Inland Fishing/CRFL	36,305	14.05
		Annual Unified Sportsman with CRFL	42,807	16.56
		Total	258,446	100.00
	Lifetime Licenses	Lifetime CRFL - Adult NC Resident	281	1.18
		Lifetime CRFL - Adult Nonresident	10	0.04
		Lifetime CRFL - Disabled Veteran	775	3.25
		Lifetime CRFL - Infant	81	0.34
		Lifetime CRFL - Totally Disabled	598	2.51
		Lifetime CRFL - Youth	69	0.29
		Lifetime Senior CRFL	6,670	27.95
		Lifetime Senior Unified Sportsman with CRFL	6,912	28.97
		Lifetime Unified Inland Fishing/CRFL	418	1.75
		Lifetime Unified Inland Fishing/CRFL - Adult Care Home	322	1.35
		Lifetime Unified Inland Fishing/CRFL - Blind	48	0.20
		Lifetime Unified Sportsman with CRFL - Adult Nonresident	15	0.06
		Lifetime Unified Sportsman with CRFL - Adult Resident	1,104	4.63
		Lifetime Unified Sportsman with CRFL - Disabled Veteran	834	3.50
Lifetime Unified Sportsman with CRFL - Infant		4,795	20.10	
Lifetime Unified Sportsman with CRFL - Totally Disabled		383	1.61	
Lifetime Unified Sportsman with CRFL - Youth		545	2.28	
Total	23,860	100.00		

Table I.28 Distribution of North Carolina CRFL sales by calendar year and collapsed license group with group components (continued).

Year	Type of License/Collapsed	Type of License	Number	Percent of License Group
2015	10 Ten-Day Licenses	10 Ten-Day CRFL - Nonresident	143,998	74.74
		10 Ten-Day CRFL - Resident	48,669	25.26
		Total	192,667	100.00
	Annual Licenses	Annual CRFL - Nonresident	20,449	7.73
		Annual CRFL - Resident	125,011	47.25
		Annual Inland Fishing/CRFL - Subsistence Waiver	41,309	15.61
		Annual Unified Inland Fishing/CRFL	34,112	12.89
		Annual Unified Sportsman with CRFL	43,692	16.51
		Total	264,573	100.00
	Lifetime Licenses	Lifetime CRFL - Adult NC Resident	215	0.91
		Lifetime CRFL - Adult Nonresident	10	0.04
		Lifetime CRFL - Disabled Veteran	870	3.69
		Lifetime CRFL - Infant	61	0.26
		Lifetime CRFL - Totally Disabled	596	2.52
		Lifetime CRFL - Youth	70	0.30
		Lifetime Senior CRFL	6,849	29.02
		Lifetime Senior Unified Sportsman with CRFL	6,656	28.20
		Lifetime Unified Inland Fishing/CRFL	375	1.59
		Lifetime Unified Inland Fishing/CRFL - Adult Care Home	262	1.11
		Lifetime Unified Inland Fishing/CRFL - Blind	103	0.44
		Lifetime Unified Sportsman with CRFL - Adult Nonresident	12	0.05
		Lifetime Unified Sportsman with CRFL - Adult Resident	1,070	4.53
		Lifetime Unified Sportsman with CRFL - Disabled Veteran	907	3.84
Lifetime Unified Sportsman with CRFL - Infant		4,559	19.31	
Lifetime Unified Sportsman with CRFL - Totally Disabled		449	1.90	
Lifetime Unified Sportsman with CRFL - Youth		541	2.29	
Total	23,605	100.00		

Table I.28 Distribution of North Carolina CRFL sales by calendar year and collapsed license group with group components (continued).

Year	Type of License/Collapsed	Type of License	Number	Percent of License Group
2014	10 Ten-Day Licenses	10 Ten-Day CRFL - Nonresident	145,718	74.29
		10 Ten-Day CRFL - Resident	50,439	25.71
		Total	196,157	100.00
	Annual Licenses	Annual CRFL - Nonresident	19,872	7.44
		Annual CRFL - Resident	130,988	49.01
		Annual Inland Fishing/CRFL - Subsistence Waiver	38,895	14.55
		Annual Unified Inland Fishing/CRFL	32,626	12.21
		Annual Unified Sportsman with CRFL	44,873	16.79
		Total	267,254	100.00
	Lifetime Licenses	Lifetime CRFL - Adult NC Resident	195	0.85
		Lifetime CRFL - Adult Nonresident	13	0.06
		Lifetime CRFL - Age 65	3,985	17.42
		Lifetime CRFL - Disabled Veteran	760	3.32
		Lifetime CRFL - Infant	79	0.35
		Lifetime CRFL - Totally Disabled	651	2.85
		Lifetime CRFL - Youth	56	0.24
		Lifetime Senior CRFL	3,224	14.09
		Lifetime Senior Unified Sportsman with CRFL	3,184	13.92
		Lifetime Unified Inland Fishing/CRFL	272	1.19
		Lifetime Unified Inland Fishing/CRFL - Adult Care Home	365	1.60
Lifetime Unified Inland Fishing/CRFL - Blind		81	0.35	
Lifetime Unified Sportsman with CRFL - Adult Nonresident		21	0.09	
Lifetime Unified Sportsman with CRFL - Adult Resident		1,016	4.44	
Lifetime Unified Sportsman with CRFL - Age 65		3,106	13.58	
Lifetime Unified Sportsman with CRFL - Disabled Veteran		810	3.54	
Lifetime Unified Sportsman with CRFL - Infant		4,119	18.01	
Lifetime Unified Sportsman with CRFL - Totally Disabled	412	1.80		
Lifetime Unified Sportsman with CRFL - Youth	527	2.30		
Total	22,876	100.00		

Table I.29 Distribution of CRFL sales by calendar year, age group, and residency type.

Age Group ¹	Resident of NC		Nonresident		Military stationed in NC		Student at NC School		All	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
2023										
Under 16	9,230	2.97	476	0.29	11	0.19	2	0.84	9,719	2.03
16 through 25	37,623	12.13	21,632	13.35	2,453	41.39	193	80.75	61,901	12.94
26 through 35	49,808	16.05	26,477	16.34	1,779	30.02	32	13.39	78,096	16.32
36 through 45	56,055	18.07	30,642	18.91	1,132	19.10	10	4.18	87,839	18.36
46 through 55	59,099	19.05	28,893	17.83	358	6.04	2	0.84	88,352	18.47
56 through 65	62,216	20.05	29,723	18.34	134	2.26	0	0.00	92,073	19.24
66 through 75	33,485	10.79	19,126	11.80	49	0.83	0	0.00	52,660	11.01
76 through 85	2,509	0.81	4,756	2.94	9	0.15	0	0.00	7,274	1.52
Greater than 85	229	0.07	313	0.19	1	0.02	0	0.00	543	0.11
2022										
Under 16	3,485	1.42	628	0.55	17	4.93	21	0.28	4,151	1.13
16 through 25	31,924	13.02	16,296	14.38	266	77.10	2,372	32.02	50,858	13.88
26 through 35	40,852	16.66	19,617	17.31	46	13.33	2,289	30.89	62,804	17.15
36 through 45	46,244	18.86	22,437	19.79	13	3.77	1,723	23.26	70,417	19.22
46 through 55	51,171	20.87	20,570	18.15	1	0.29	599	8.08	72,341	19.75
56 through 65	53,167	21.68	20,040	17.68	2	0.58	301	4.06	73,510	20.07
66 through 75	17,484	7.13	11,560	10.20	0	0.00	89	1.20	29,133	7.95
76 through 85	801	0.33	2,074	1.83	0	0.00	15	0.20	2,890	0.79
Greater than 85	58	0.02	137	0.12	0	0.00	0	0.00	195	0.05
2021										
Under 16	3,285	1.31	335	0.29	10	0.16	5	1.66	3,635	0.97
16 through 25	31,926	12.70	16,057	13.71	1,963	32.31	233	77.41	50,179	13.39
26 through 35	42,463	16.90	20,186	17.24	2,066	34.01	48	15.95	64,763	17.28
36 through 45	47,893	19.06	23,641	20.19	1,414	23.28	11	3.65	72,959	19.46
46 through 55	54,535	21.70	21,853	18.66	427	7.03	1	0.33	76,816	20.49
56 through 65	55,466	22.07	20,857	17.81	152	2.50	3	1.00	76,478	20.40
66 through 75	14,885	5.92	11,920	10.18	37	0.61	0	0.00	26,842	7.16
76 through 85	822	0.33	2,125	1.81	5	0.08	0	0.00	2,952	0.79
Greater than 85	53	0.02	147	0.13	1	0.02	0	0.00	201	0.05
2020										
Under 16	2,805	1.12	282	0.28	14	0.23	3	1.03	3,104	0.86
16 through 25	35,432	14.11	15,636	15.38	2,201	35.64	220	75.60	53,489	14.89
26 through 35	44,674	17.79	18,517	18.21	2,187	35.42	56	19.24	65,434	18.21
36 through 45	49,308	19.63	20,428	20.09	1,296	20.99	9	3.09	71,041	19.77
46 through 55	55,266	22.00	19,593	19.27	354	5.73	1	0.34	75,214	20.93
56 through 65	52,372	20.85	17,142	16.86	96	1.55	2	0.69	69,612	19.37
66 through 75	10,632	4.23	8,626	8.48	25	0.40	0	0.00	19,283	5.37
76 through 85	617	0.25	1,375	1.35	2	0.03	0	0.00	1,994	0.55
Greater than 85	48	0.02	84	0.08	0	0.00	0	0.00	132	0.04
2019										
Under 16	3,113	1.38	255	0.29	8	0.15	3	1.29	3,379	1.06
16 through 25	29,011	12.86	11,520	13.18	2,009	37.85	167	71.67	42,707	13.41
26 through 35	39,234	17.39	14,983	17.15	1,855	34.95	50	21.46	56,122	17.62
36 through 45	43,346	19.21	16,769	19.19	1,045	19.69	3	1.29	61,163	19.20
46 through 55	51,324	22.75	17,248	19.74	299	5.63	9	3.86	68,880	21.63
56 through 65	50,313	22.30	16,175	18.51	76	1.43	1	0.43	66,565	20.90
66 through 75	8,558	3.79	8,842	10.12	16	0.30	0	0.00	17,416	5.47
76 through 85	635	0.28	1,487	1.70	0	0.00	0	0.00	2,122	0.67
Greater than 85	62	0.03	100	0.11	0	0.00	0	0.00	162	0.05

¹“Age Group” is a category that is not required to be completed upon purchase or renewal of a CRFL. This data may not fully represent all licensed individuals.

Table I.29 Distribution of CRFL sales by calendar year, age group, and residency type (continued).

Age Group ¹	Resident of NC		Nonresident		Military stationed in NC		Student at NC School		All	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
2018										
Under 16	2,725	1.32	192	0.23	12	0.25	2	0.98	2,931	1.00
16 through 25	26,196	12.66	11,077	13.43	1,841	38.22	138	67.65	39,252	13.33
26 through 35	35,943	17.37	14,328	17.37	1,741	36.14	56	27.45	52,068	17.68
36 through 45	40,135	19.39	16,051	19.45	912	18.93	6	2.94	57,104	19.39
46 through 55	47,739	23.07	16,699	20.24	251	5.21	1	0.49	64,690	21.97
56 through 65	46,404	22.42	14,995	18.17	54	1.12	1	0.49	61,454	20.87
66 through 75	7,181	3.47	7,825	9.48	6	0.12	0	0.00	15,012	5.10
76 through 85	595	0.29	1,253	1.52	0	0.00	0	0.00	1,848	0.63
Greater than 85	47	0.02	87	0.11	0	0.00	0	0.00	134	0.05
2017										
Under 16	2,836	1.24	169	0.20	8	0.16	2	1.20	3,015	0.94
16 through 25	29,418	12.85	11,088	13.02	1,827	37.15	107	64.46	42,440	13.30
26 through 35	39,675	17.33	14,614	17.16	1,849	37.60	48	28.92	56,186	17.60
36 through 45	44,587	19.48	16,283	19.11	894	18.18	4	2.41	61,768	19.35
46 through 55	53,380	23.32	17,682	20.76	268	5.45	3	1.81	71,333	22.35
56 through 65	50,756	22.17	15,634	18.35	60	1.22	1	0.60	66,451	20.82
66 through 75	7,576	3.31	8,256	9.69	9	0.18	1	0.60	15,842	4.96
76 through 85	648	0.28	1,364	1.60	3	0.06	0	0.00	2,015	0.63
Greater than 85	61	0.03	95	0.11	0	0.00	0	0.00	156	0.05
2016										
Under 16	2,519	1.09	94	0.11	4	0.08	0	0.00	2,617	0.82
16 through 25	31,386	13.57	10,836	13.15	1,918	39.42	108	67.08	44,248	13.88
26 through 35	40,259	17.40	14,487	17.58	1,841	37.83	47	29.19	56,634	17.77
36 through 45	45,917	19.85	15,837	19.22	806	16.56	3	1.86	62,563	19.63
46 through 55	53,894	23.30	17,464	21.19	243	4.99	2	1.24	71,603	22.46
56 through 65	49,553	21.42	14,983	18.18	44	0.90	0	0.00	64,580	20.26
66 through 75	7,099	3.07	7,453	9.04	10	0.21	1	0.62	14,563	4.57
76 through 85	633	0.27	1,167	1.42	0	0.00	0	0.00	1,800	0.56
Greater than 85	66	0.03	93	0.11	0	0.00	0	0.00	159	0.05
2015										
Under 16	2,598	1.10	85	0.11	1	0.02	0	0.00	2,684	0.84
16 through 25	32,291	13.68	9,969	12.55	1,928	40.37	126	80.25	44,314	13.83
26 through 35	41,560	17.61	13,461	16.95	1,821	38.13	26	16.56	56,868	17.75
36 through 45	47,476	20.12	15,257	19.21	774	16.21	5	3.18	63,512	19.82
46 through 55	55,509	23.52	17,289	21.76	203	4.25	0	0.00	73,001	22.79
56 through 65	48,986	20.76	14,822	18.66	39	0.82	0	0.00	63,847	19.93
66 through 75	6,886	2.92	7,301	9.19	8	0.17	0	0.00	14,195	4.43
76 through 85	630	0.27	1,170	1.47	2	0.04	0	0.00	1,802	0.56
Greater than 85	74	0.03	81	0.10	0	0.00	0	0.00	155	0.05
2014										
Under 16	2,458	1.03	73	0.09	1	0.02	0	0.00	2,532	0.78
16 through 25	33,618	14.06	10,203	12.51	2,109	42.14	146	81.11	46,076	14.14
26 through 35	41,516	17.37	13,536	16.60	1,891	37.78	29	16.11	56,972	17.49
36 through 45	49,110	20.54	16,036	19.66	773	15.44	3	1.67	65,922	20.24
46 through 55	56,211	23.52	17,951	22.01	185	3.70	0	0.00	74,347	22.82
56 through 65	48,783	20.41	15,348	18.82	37	0.74	2	1.11	64,170	19.70
66 through 75	6,587	2.76	7,213	8.84	8	0.16	0	0.00	13,808	4.24
76 through 85	675	0.28	1,117	1.37	1	0.02	0	0.00	1,793	0.55
Greater than 85	79	0.03	79	0.10	0	0.00	0	0.00	158	0.05

¹“Age Group” is a category that is not required to be completed upon purchase or renewal of a CRFL. This data may not fully represent all licensed individuals.

Table I.30 Number of CRFLs sold by calendar year and county of residence.

County of License Holder	2023		2022		2021		2020	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Alamance	4,444	0.96	4,589	0.95	4,873	0.95	4,981	1.00
Alexander	959	0.21	904	0.19	978	0.19	859	0.17
Alleghany	301	0.07	298	0.06	274	0.05	266	0.05
Anson	560	0.12	633	0.13	573	0.11	579	0.12
Ashe	695	0.15	626	0.13	614	0.12	545	0.11
Avery	316	0.07	370	0.08	354	0.07	290	0.06
Beaufort	5,106	1.11	5,379	1.11	5,387	1.05	5,653	1.13
Bertie	1,346	0.29	1,505	0.31	1,559	0.30	1,511	0.30
Bladen	1,550	0.34	1,625	0.34	1,654	0.32	1,667	0.33
Brunswick	11,939	2.59	11,660	2.40	11,797	2.30	11,573	2.32
Buncombe	2,656	0.58	2,504	0.52	2,510	0.49	2,384	0.48
Burke	1,830	0.40	1,922	0.40	1,923	0.37	1,927	0.39
Cabarrus	3,685	0.80	3,863	0.80	4,085	0.80	4,085	0.82
Caldwell	2,508	0.54	2,430	0.50	2,364	0.46	2,201	0.44
Camden	877	0.19	928	0.19	906	0.18	1,010	0.20
Carteret	9,917	2.15	10,422	2.15	10,494	2.04	10,488	2.11
Caswell	663	0.14	786	0.16	717	0.14	750	0.15
Catawba	3,546	0.77	3,570	0.74	3,596	0.70	3,532	0.71
Chatham	2,048	0.44	2,160	0.45	2,249	0.44	2,184	0.44
Cherokee	273	0.06	265	0.05	230	0.04	180	0.04
Chowan	1,296	0.28	1,426	0.29	1,451	0.28	1,335	0.27
Clay	111	0.02	126	0.03	134	0.03	150	0.03
Cleveland	1,748	0.38	1,778	0.37	1,802	0.35	1,710	0.34
Columbus	2,480	0.54	2,748	0.57	2,984	0.58	2,830	0.57
Craven	8,480	1.84	8,968	1.85	8,984	1.75	9,599	1.93
Cumberland	6,438	1.39	6,903	1.42	7,518	1.46	7,528	1.51
Currituck	2,338	0.51	2,583	0.53	2,606	0.51	2,556	0.51
Dare	5,491	1.19	5,940	1.22	6,233	1.21	6,650	1.34
Davidson	5,421	1.17	5,653	1.17	6,002	1.17	5,804	1.17
Davie	1,505	0.33	1,543	0.32	1,608	0.31	1,521	0.31
Duplin	3,121	0.68	3,347	0.69	3,631	0.71	3,713	0.75
Durham	3,887	0.84	3,946	0.81	4,189	0.82	4,612	0.93
Edgecombe	1,975	0.43	2,053	0.42	2,149	0.42	2,277	0.46
Forsyth	6,641	1.44	6,952	1.43	7,248	1.41	7,560	1.52
Franklin	2,129	0.46	2,277	0.47	2,360	0.46	2,328	0.47
Gaston	4,131	0.89	4,238	0.87	4,241	0.83	4,077	0.82
Gates	568	0.12	593	0.12	580	0.11	622	0.12
Graham	81	0.02	74	0.02	70	0.01	70	0.01
Granville	1,621	0.35	1,598	0.33	1,738	0.34	1,731	0.35
Greene	1,007	0.22	1,088	0.22	1,166	0.23	1,255	0.25
Guilford	7,856	1.70	8,167	1.68	8,638	1.68	8,754	1.76
Halifax	1,534	0.33	1,529	0.32	1,524	0.30	1,430	0.29
Harnett	4,203	0.91	4,283	0.88	4,413	0.86	4,452	0.89
Haywood	659	0.14	626	0.13	646	0.13	555	0.11
Henderson	1,046	0.23	998	0.21	1,007	0.20	958	0.19
Hertford	947	0.21	1,009	0.21	1,047	0.20	1,095	0.22
Hoke	1,492	0.32	1,525	0.31	1,520	0.30	1,462	0.29

Table I.30 Number of CRFLs sold by calendar year and county of residence (continued).

County of License Holder	2023		2022		2021		2020	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Hyde	718	0.16	731	0.15	773	0.15	769	0.15
Iredell	3,444	0.75	3,466	0.71	3,696	0.72	3,614	0.73
Jackson	337	0.07	299	0.06	295	0.06	269	0.05
Johnston	8,927	1.93	9,752	2.01	10,282	2.00	10,520	2.11
Jones	916	0.20	977	0.20	1,004	0.20	1,006	0.20
Lee	1,731	0.37	1,723	0.36	1,873	0.36	1,901	0.38
Lenoir	3,247	0.70	3,304	0.68	3,627	0.71	3,715	0.75
Lincoln	1,948	0.42	2,168	0.45	2,260	0.44	2,123	0.43
Macon	253	0.05	241	0.05	289	0.06	228	0.05
Madison	293	0.06	259	0.05	245	0.05	185	0.04
Martin	1,789	0.39	1,874	0.39	1,992	0.39	2,078	0.42
McDowell	819	0.18	812	0.17	971	0.19	771	0.15
Mecklenburg	8,429	1.83	8,363	1.72	8,863	1.73	9,541	1.92
Mitchell	271	0.06	255	0.05	243	0.05	239	0.05
Montgomery	747	0.16	788	0.16	778	0.15	755	0.15
Moore	2,715	0.59	2,710	0.56	2,886	0.56	2,694	0.54
Nash	3,528	0.76	3,797	0.78	3,891	0.76	3,885	0.78
New Hanover	13,796	2.99	14,168	2.92	14,758	2.87	16,154	3.24
Northampton	616	0.13	644	0.13	627	0.12	569	0.11
Onslow	16,415	3.55	16,427	3.39	17,309	3.37	19,308	3.88
Orange	2,558	0.55	2,677	0.55	2,933	0.57	3,002	0.60
Pamlico	1,782	0.39	1,822	0.38	1,865	0.36	1,820	0.37
Pasquotank	2,041	0.44	2,110	0.44	2,126	0.41	2,235	0.45
Pender	6,022	1.30	6,406	1.32	6,458	1.26	6,528	1.31
Perquimans	1,189	0.26	1,214	0.25	1,205	0.23	1,215	0.24
Person	1,090	0.24	1,195	0.25	1,131	0.22	1,126	0.23
Pitt	8,168	1.77	8,560	1.76	9,074	1.77	9,829	1.97
Polk	205	0.04	211	0.04	203	0.04	176	0.04
Randolph	4,575	0.99	4,675	0.96	4,923	0.96	4,738	0.95
Richmond	1,124	0.24	1,130	0.23	1,113	0.22	927	0.19
Robeson	4,302	0.93	4,245	0.88	4,533	0.88	4,355	0.87
Rockingham	2,220	0.48	2,232	0.46	2,404	0.47	2,199	0.44
Rowan	4,557	0.99	4,645	0.96	4,879	0.95	4,907	0.99
Rutherford	993	0.22	987	0.20	959	0.19	783	0.16
Sampson	3,188	0.69	3,344	0.69	3,632	0.71	3,669	0.74
Scotland	1,026	0.22	903	0.19	923	0.18	1,012	0.20
Stanly	2,092	0.45	2,069	0.43	2,120	0.41	1,943	0.39
Stokes	1,768	0.38	1,666	0.34	1,847	0.36	1,789	0.36
Surry	1,729	0.37	1,757	0.36	1,795	0.35	1,756	0.35
Swain	162	0.04	176	0.04	120	0.02	136	0.03
Transylvania	355	0.08	373	0.08	353	0.07	304	0.06
Tyrrell	423	0.09	490	0.10	545	0.11	543	0.11
Union	4,096	0.89	4,138	0.85	4,325	0.84	4,421	0.89
Vance	1,069	0.23	1,109	0.23	1,081	0.21	1,036	0.21
Wake	21,767	4.71	23,146	4.77	25,191	4.90	27,403	5.50
Warren	457	0.10	481	0.10	491	0.10	460	0.09
Washington	1,185	0.26	1,246	0.26	1,241	0.24	1,316	0.26

Table I.30 Number of CRFLs sold by calendar year and county of residence (continued).

County of License Holder	2023		2022		2021		2020	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Watauga	846	0.18	866	0.18	910	0.18	837	0.17
Wayne	5,049	1.09	5,312	1.10	5,607	1.09	5,984	1.20
Wilkes	1,586	0.34	1,670	0.34	1,666	0.32	1,501	0.30
Wilson	3,986	0.86	3,989	0.82	4,313	0.84	4,586	0.92
Yadkin	1,337	0.29	1,281	0.26	1,422	0.28	1,315	0.26
Yancey	282	0.06	296	0.06	267	0.05	220	0.04
Out-of-state	164,168	35.55	177,418	36.58	192,732	37.52	170,382	34.21
Total - All Counties	461,761	100.00	485,007	100.00	513,675	100.00	498,107	100.00

Table I.30 Number of CRFLs sold by calendar year and county of residence (continued).

County of License Holder	2019		2018		2017		2016	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Alamance	4,644	1.01	4,172	0.97	4,498	0.96	4,470	0.96
Alexander	856	0.19	779	0.18	809	0.17	827	0.18
Alleghany	286	0.06	244	0.06	285	0.06	253	0.05
Anson	580	0.13	624	0.15	650	0.14	666	0.14
Ashe	601	0.13	495	0.12	455	0.10	476	0.10
Avery	277	0.06	229	0.05	250	0.05	258	0.06
Beaufort	5,484	1.20	5,080	1.18	5,851	1.25	5,659	1.21
Bertie	1,498	0.33	1,390	0.32	1,509	0.32	1,546	0.33
Bladen	1,601	0.35	1,473	0.34	1,697	0.36	1,728	0.37
Brunswick	10,646	2.32	9,677	2.26	10,791	2.30	10,643	2.28
Buncombe	2,116	0.46	2,043	0.48	2,205	0.47	2,048	0.44
Burke	1,780	0.39	1,703	0.40	1,920	0.41	2,032	0.43
Cabarrus	3,634	0.79	3,439	0.80	3,664	0.78	3,542	0.76
Caldwell	2,388	0.52	2,240	0.52	2,514	0.54	2,688	0.57
Camden	796	0.17	808	0.19	834	0.18	831	0.18
Carteret	9,811	2.14	8,389	1.96	9,943	2.12	10,109	2.16
Caswell	710	0.15	617	0.14	689	0.15	667	0.14
Catawba	3,099	0.68	3,000	0.70	3,198	0.68	3,253	0.70
Chatham	1,945	0.42	1,828	0.43	1,995	0.42	1,909	0.41
Cherokee	213	0.05	206	0.05	219	0.05	264	0.06
Chowan	1,337	0.29	1,329	0.31	1,322	0.28	1,496	0.32
Clay	228	0.05	233	0.05	220	0.05	241	0.05
Cleveland	1,658	0.36	1,651	0.38	1,727	0.37	1,763	0.38
Columbus	2,883	0.63	2,667	0.62	2,730	0.58	2,759	0.59
Craven	8,819	1.92	7,887	1.84	9,165	1.95	9,223	1.97
Cumberland	7,094	1.55	6,663	1.55	7,436	1.58	7,366	1.57
Currituck	2,118	0.46	1,986	0.46	2,089	0.44	1,984	0.42
Dare	5,791	1.26	5,246	1.22	5,963	1.27	5,549	1.19
Davidson	5,436	1.19	5,069	1.18	5,561	1.18	5,504	1.18
Davie	1,336	0.29	1,299	0.30	1,396	0.30	1,493	0.32
Duplin	3,577	0.78	3,107	0.72	3,602	0.77	3,451	0.74
Durham	4,046	0.88	3,478	0.81	4,242	0.90	3,924	0.84
Edgecombe	2,096	0.46	2,022	0.47	2,242	0.48	2,396	0.51
Forsyth	6,641	1.45	6,171	1.44	6,894	1.47	6,960	1.49
Franklin	2,065	0.45	1,822	0.42	2,020	0.43	1,783	0.38
Gaston	4,420	0.96	4,116	0.96	4,509	0.96	4,492	0.96
Gates	538	0.12	538	0.13	551	0.12	573	0.12
Graham	92	0.02	55	0.01	67	0.01	88	0.02
Granville	1,484	0.32	1,422	0.33	1,512	0.32	1,466	0.31
Greene	1,146	0.25	1,009	0.24	1,132	0.24	1,060	0.23
Guilford	8,278	1.81	7,768	1.81	8,470	1.80	8,649	1.85
Halifax	1,470	0.32	1,467	0.34	1,656	0.35	1,776	0.38
Harnett	4,172	0.91	3,666	0.85	4,045	0.86	4,032	0.86
Haywood	470	0.10	543	0.13	516	0.11	542	0.12
Henderson	808	0.18	749	0.17	808	0.17	783	0.17
Hertford	1,066	0.23	1,016	0.24	1,052	0.22	1,061	0.23
Hoke	1,494	0.33	1,337	0.31	1,468	0.31	1,528	0.33

Table I.30 Number of CRFLs sold by calendar year and county of residence (continued).

County of License Holder	2019		2018		2017		2016	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Hyde	722	0.16	702	0.16	834	0.18	848	0.18
Iredell	3,032	0.66	2,844	0.66	3,030	0.65	2,903	0.62
Jackson	259	0.06	267	0.06	247	0.05	295	0.06
Johnston	9,158	2.00	8,256	1.92	8,904	1.90	8,633	1.85
Jones	949	0.21	887	0.21	1,032	0.22	1,023	0.22
Lee	1,544	0.34	1,520	0.35	1,890	0.40	2,055	0.44
Lenoir	3,507	0.76	3,216	0.75	3,645	0.78	3,767	0.81
Lincoln	1,932	0.42	1,761	0.41	1,980	0.42	1,949	0.42
Macon	230	0.05	201	0.05	230	0.05	226	0.05
Madison	230	0.05	192	0.04	205	0.04	242	0.05
Martin	1,915	0.42	1,796	0.42	1,919	0.41	1,972	0.42
McDowell	774	0.17	638	0.15	773	0.16	818	0.17
Mecklenburg	7,815	1.70	7,487	1.75	7,966	1.70	8,168	1.75
Mitchell	155	0.03	162	0.04	205	0.04	187	0.04
Montgomery	767	0.17	595	0.14	714	0.15	751	0.16
Moore	2,369	0.52	2,186	0.51	2,472	0.53	2,373	0.51
Nash	3,579	0.78	3,372	0.79	3,604	0.77	3,620	0.77
New Hanover	14,115	3.08	13,203	3.08	15,090	3.21	15,036	3.21
Northampton	681	0.15	653	0.15	769	0.16	877	0.19
Onslow	16,782	3.66	14,938	3.48	17,202	3.66	17,633	3.77
Orange	2,653	0.58	2,497	0.58	2,661	0.57	2,767	0.59
Pamlico	1,621	0.35	1,495	0.35	1,748	0.37	1,794	0.38
Pasquotank	1,932	0.42	1,914	0.45	2,081	0.44	2,070	0.44
Pender	5,696	1.24	5,176	1.21	5,891	1.25	5,738	1.23
Perquimans	1,081	0.24	1,046	0.24	1,131	0.24	1,147	0.25
Person	1,054	0.23	963	0.22	1,070	0.23	1,074	0.23
Pitt	8,668	1.89	8,080	1.88	8,839	1.88	8,634	1.85
Polk	171	0.04	146	0.03	165	0.04	163	0.03
Randolph	4,537	0.99	4,116	0.96	4,660	0.99	4,614	0.99
Richmond	1,167	0.25	1,131	0.26	1,299	0.28	1,360	0.29
Robeson	4,553	0.99	3,920	0.91	4,569	0.97	4,465	0.95
Rockingham	1,983	0.43	1,812	0.42	2,171	0.46	2,003	0.43
Rowan	4,451	0.97	4,295	1.00	4,713	1.00	4,760	1.02
Rutherford	848	0.18	770	0.18	829	0.18	949	0.20
Sampson	3,238	0.71	2,817	0.66	2,997	0.64	2,639	0.56
Scotland	969	0.21	935	0.22	1,018	0.22	1,163	0.25
Stanly	2,057	0.45	1,839	0.43	2,038	0.43	2,030	0.43
Stokes	1,695	0.37	1,595	0.37	2,100	0.45	2,597	0.56
Surry	1,591	0.35	1,421	0.33	1,532	0.33	1,682	0.36
Swain	124	0.03	89	0.02	108	0.02	132	0.03
Transylvania	282	0.06	262	0.06	274	0.06	274	0.06
Tyrrell	459	0.10	410	0.10	423	0.09	493	0.11
Union	3,793	0.83	3,495	0.81	3,762	0.80	3,700	0.79
Vance	1,132	0.25	964	0.22	1,076	0.23	1,269	0.27
Wake	22,700	4.95	21,346	4.98	23,636	5.03	24,030	5.14
Warren	555	0.12	475	0.11	510	0.11	554	0.12
Washington	1,317	0.29	1,228	0.29	1,341	0.29	1,486	0.32

Table I.30 Number of CRFLs sold by calendar year and county of residence (continued).

County of License Holder	2019		2018		2017		2016	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Watauga	741	0.16	640	0.15	721	0.15	766	0.16
Wayne	5,418	1.18	4,927	1.15	5,557	1.18	5,219	1.12
Wilkes	1,457	0.32	1,304	0.30	1,446	0.31	1,398	0.30
Wilson	4,009	0.87	3,925	0.92	4,240	0.90	4,317	0.92
Yadkin	1,171	0.26	1,098	0.26	1,214	0.26	1,203	0.26
Yancey	190	0.04	193	0.04	247	0.05	217	0.05
Out-of-state	161,249	35.16	154,978	36.13	164,422	34.98	161,812	34.60
Total - All Counties	458,605	100.00	428,930	100.00	469,571	100.00	467,706	100.00

Table I.30 Number of CRFLs sold by calendar year and county of residence (continued).

County of License Holder	2015		2014	
	Number	Percent	Number	Percent
Alamance	4,427	0.92	4,426	0.91
Alexander	839	0.17	888	0.18
Alleghany	236	0.05	200	0.04
Anson	687	0.14	642	0.13
Ashe	457	0.10	476	0.10
Avery	229	0.05	249	0.05
Beaufort	5,884	1.22	6,113	1.26
Bertie	1,651	0.34	1,770	0.36
Bladen	1,804	0.38	1,953	0.40
Brunswick	11,050	2.30	11,489	2.36
Buncombe	2,080	0.43	2,101	0.43
Burke	2,056	0.43	1,847	0.38
Cabarrus	3,553	0.74	3,462	0.71
Caldwell	2,542	0.53	2,511	0.52
Camden	814	0.17	845	0.17
Carteret	10,665	2.22	11,187	2.30
Caswell	722	0.15	658	0.14
Catawba	3,466	0.72	3,484	0.72
Chatham	2,005	0.42	1,974	0.41
Cherokee	248	0.05	228	0.05
Chowan	1,493	0.31	1,599	0.33
Clay	186	0.04	99	0.02
Cleveland	1,803	0.37	1,872	0.38
Columbus	2,863	0.60	2,958	0.61
Craven	9,672	2.01	9,837	2.02
Cumberland	7,738	1.61	7,645	1.57
Currituck	2,063	0.43	2,112	0.43
Dare	6,051	1.26	6,399	1.32
Davidson	5,584	1.16	5,558	1.14
Davie	1,372	0.29	1,374	0.28
Duplin	3,637	0.76	3,619	0.74
Durham	4,236	0.88	4,555	0.94
Edgecombe	2,545	0.53	2,486	0.51
Forsyth	6,918	1.44	7,039	1.45
Franklin	1,808	0.38	1,807	0.37
Gaston	5,143	1.07	4,527	0.93
Gates	557	0.12	536	0.11
Graham	99	0.02	111	0.02
Granville	1,494	0.31	1,501	0.31
Greene	1,116	0.23	1,107	0.23
Guilford	8,592	1.79	8,743	1.80
Halifax	1,764	0.37	1,850	0.38
Harnett	4,082	0.85	4,186	0.86
Haywood	570	0.12	549	0.11
Henderson	825	0.17	744	0.15
Hertford	1,066	0.22	1,140	0.23
Hoke	1,587	0.33	1,541	0.32

Table I.30 Number of CRFLs sold by calendar year and county of residence (continued).

County of License Holder	2015		2014	
	Number	Percent	Number	Percent
Hyde	905	0.19	989	0.20
Iredell	2,857	0.59	2,868	0.59
Jackson	299	0.06	265	0.05
Johnston	8,714	1.81	8,849	1.82
Jones	1,070	0.22	1,146	0.24
Lee	2,059	0.43	1,979	0.41
Lenoir	3,901	0.81	3,923	0.81
Lincoln	1,914	0.40	1,857	0.38
Macon	246	0.05	244	0.05
Madison	196	0.04	228	0.05
Martin	2,059	0.43	2,051	0.42
McDowell	825	0.17	853	0.18
Mecklenburg	8,052	1.67	8,129	1.67
Mitchell	193	0.04	153	0.03
Montgomery	727	0.15	787	0.16
Moore	2,375	0.49	2,332	0.48
Nash	3,727	0.78	3,726	0.77
New Hanover	16,042	3.34	16,455	3.38
Northampton	819	0.17	900	0.19
Onslow	18,497	3.85	18,766	3.86
Orange	2,840	0.59	2,872	0.59
Pamlico	1,778	0.37	1,930	0.40
Pasquotank	2,213	0.46	2,271	0.47
Pender	5,946	1.24	6,025	1.24
Perquimans	1,180	0.25	1,278	0.26
Person	1,013	0.21	1,005	0.21
Pitt	9,043	1.88	9,189	1.89
Polk	173	0.04	205	0.04
Randolph	4,596	0.96	4,671	0.96
Richmond	1,403	0.29	1,422	0.29
Robeson	4,700	0.98	4,927	1.01
Rockingham	2,026	0.42	2,112	0.43
Rowan	4,801	1.00	4,976	1.02
Rutherford	954	0.20	958	0.20
Sampson	2,775	0.58	2,959	0.61
Scotland	1,088	0.23	1,182	0.24
Stanly	2,078	0.43	2,052	0.42
Stokes	2,493	0.52	2,333	0.48
Surry	1,651	0.34	1,545	0.32
Swain	130	0.03	123	0.03
Transylvania	297	0.06	313	0.06
Tyrrell	508	0.11	584	0.12
Union	3,604	0.75	3,751	0.77
Vance	1,266	0.26	1,213	0.25
Wake	23,979	4.99	24,443	5.03
Warren	683	0.14	627	0.13
Washington	1,566	0.33	1,631	0.34

Table I.30 Number of CRFLs sold by calendar year and county of residence (*continued*).

County of License Holder	2015		2014	
	Number	Percent	Number	Percent
Watauga	683	0.14	685	0.14
Wayne	5,609	1.17	5,793	1.19
Wilkes	1,258	0.26	1,257	0.26
Wilson	4,469	0.93	4,405	0.91
Yadkin	1,209	0.25	1,181	0.24
Yancey	201	0.04	190	0.04
Out-of-state	166,876	34.70	167,682	34.48
Total - All Counties	480,845	100.00	486,287	100.00

Chapter II: COMMERCIAL FISHERY STATISTICS

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PROGRAM NARRATIVE

This chapter of the document contains commercial fishery landings for North Carolina from 2014 to 2023. Data from earlier years can be found in previous editions of this document, available on the North Carolina Division of Marine Fisheries (NCDMF) Fisheries Statistics webpage. From 1950 to 1977, commercial landings in North Carolina were collected by the National Marine Fisheries Service (NMFS) and kindly provided to NCDMF. From 1978 to 1993, data were obtained via a NMFS/NCDMF cooperative statistics program. These two programs depended on surveying dealers for monthly landings and value.

Although these two programs provided invaluable information, there were shortcomings. First, not all licensed dealers were surveyed. Instead, mostly larger, established firms representing a regional cross section of the state were surveyed. These dealers voluntarily supplied the information, although not all dealers surveyed were willing to be involved. Second, these data were not obtained at the trip level. Trip level data allows the analyst to provide fisheries managers with effort data not available at the monthly summary level.

The North Carolina legislature mandated trip level reporting of all commercial fishery landings by licensed dealers to alleviate the shortcomings of the voluntary survey method. The resulting Trip Ticket Program began in 1994. This program requires dealers to complete a trip ticket for each transaction with a fisherman and to submit these reports to the NCDMF on a monthly basis. The program currently allows dealers to submit either paper or electronic trip ticket reports.

Changes in reporting methods over the years are evident in the presentation of the data in this document. If all the data in a particular table were available for the included years, then the data are presented as such. Zeros are shown when no landings were reported for that year, species, gear, etc. Dashes within a table instead of zeros indicate data were not collected for that year, species, gear, etc. Typically, dashes in the tables were a result of more specific codes created over time to replace generic codes for species, gear, or waterbodies.

There are approximately 400 three-digit species codes of finfish and shellfish obtained via trip tickets. Some codes consist of individual species, others as genera, families, or unclassified fish or shellfish. Each code was devised to allow dealers flexibility in how they code certain landings while maintaining as much specificity as possible. The codes are further developed to over 1,300 individual trip ticket codes that contain the species along with the condition, size, and market grade at the time of landing. For efficiency, in this document species were placed into about 50 commercially important groups.

For example, data for individual species are presented if there is either a state or council fishery management plan for that species. If a species was determined to be relatively unimportant, it was grouped into "Finfish, Other" or "Shellfish, Other." Data for species grouped as "Other" are available by specific request. All measurements in pounds are converted to whole weight (using conversion factors).

All ex-vessel value data included in this book were obtained by monthly surveys of dealers or from dealers who voluntarily supply price data through the Trip Ticket Program. The NCDMF does not mandate dealers to supply price information. Prices voluntarily supplied are usually on a price per pound basis but may also be price per unit (e.g., per bushel or per number). These data have not been adjusted for inflation.

Some of the data contained in this book are confidential, and if so, are hidden and indicated by three asterisks (***). The NCDMF confidentiality policy states that if the data are derived from fewer than three fishermen, vessels, and/or dealers then the data are confidential and cannot be distributed outside the NCDMF. NC General Statute 113-170.3(c) protects the confidentiality of trip ticket data. Confidential data can only be released in a summarized format that does not allow the user to associate landings or purchases to any individual.

There are other important considerations to consider when viewing these data. When a dealer completes a paper trip ticket, only one waterbody is recorded per trip (*see appendices*). If the fisherman happens to fish more than one waterbody during a given trip, then the waterbody from which most of the catch is taken is recorded as the waterbody on the trip ticket to which all the catch from that trip is assigned. A fisherman can record up to three gears per trip. However, in some cases, the catch made during that trip is not directly assigned to the gear from which it was caught. During these analyses, all landings from a given trip are reported under the first gear type listed on the trip ticket for that given trip. This gear type may not be the actual gear used to harvest the landings assigned to it. Data supplied in an electronic format are not affected by these limitations. The software allows dealers to record each species with a specific gear used to harvest the catch and the specific waterbody where harvest occurred.

Staff within the Trip Ticket Program constantly strive to provide timely data while ensuring that all data are as accurate as possible. To ensure accuracy, errors that are found during screening and editing stages are addressed and corrected. An unfortunate consequence of ensuring accuracy is that historical data may change. This book contains the most current data available at the time of publication; therefore, these data differ from other published reports from the NCDMF. If you require the most current commercial landings data, have a need for specific data not found in this book, or require clarification, please contact the Trip Ticket Coordinator, License and Statistics Section, Division of Marine Fisheries at 800-682-2632 or via e-mail at Alan.Bianchi@deq.nc.gov. Summary of North Carolina commercial landings data are also available on the NCDMF website at <https://www.deq.nc.gov/about/divisions/marine-fisheries/science-and-statistics/fisheries-statistics> and via the Atlantic Coastal Cooperative Statistics Program (ACCSP) website at www.ACCSP.org.

CONTACTS

The commercial Trip Ticket Program and statistics are administered by the North Carolina Division of Marine Fisheries, Morehead City Headquarters Office. For additional information regarding data requests, quota monitoring, or the Trip Ticket Program, please consider the list below:

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Table II.1 Commercial landings of finfish and shellfish.

Year	Finfish		Shellfish		Total	
	Pounds	Value	Pounds	Values	Pounds	Value
2023	18,945,832	\$30,130,330	23,740,649	\$43,810,701	42,686,480	\$73,941,032
2022	19,261,115	\$33,611,078	15,708,225	\$35,001,258	34,969,340	\$68,612,336
2021	18,886,162	\$32,406,793	23,485,794	\$57,382,809	42,371,956	\$89,789,601
2020	18,493,730	\$26,824,472	24,485,950	\$50,705,659	42,979,680	\$77,530,131
2019	19,214,068	\$32,349,360	33,887,080	\$54,493,058	53,101,147	\$86,842,419
2018	17,964,853	\$31,580,383	27,801,526	\$46,264,730	45,766,379	\$77,845,113
2017	19,766,688	\$35,689,505	34,657,871	\$61,005,504	54,424,558	\$96,695,009
2016	19,934,250	\$32,755,661	40,061,534	\$61,416,333	59,995,783	\$94,171,994
2015	23,292,687	\$32,393,444	42,676,911	\$62,372,543	65,969,598	\$94,765,987
2014	29,456,169	\$37,033,146	32,549,061	\$57,180,025	62,005,230	\$94,213,171

Table II.2 Annual number of dealers, participants, vessels, and trips for North Carolina.

Year	Dealers	Trips	Participants	Vessels
2023	522	87,119	2,082	2,257
2022	512	86,849	2,163	2,419
2021	512	93,027	2,286	2,607
2020	531	92,910	2,346	2,798
2019	532	100,485	2,535	2,857
2018	547	100,628	2,652	2,907
2017	532	126,659	2,945	3,231
2016	575	132,221	2,976	3,182
2015	610	138,234	3,137	3,427
2014	606	140,663	3,175	3,417

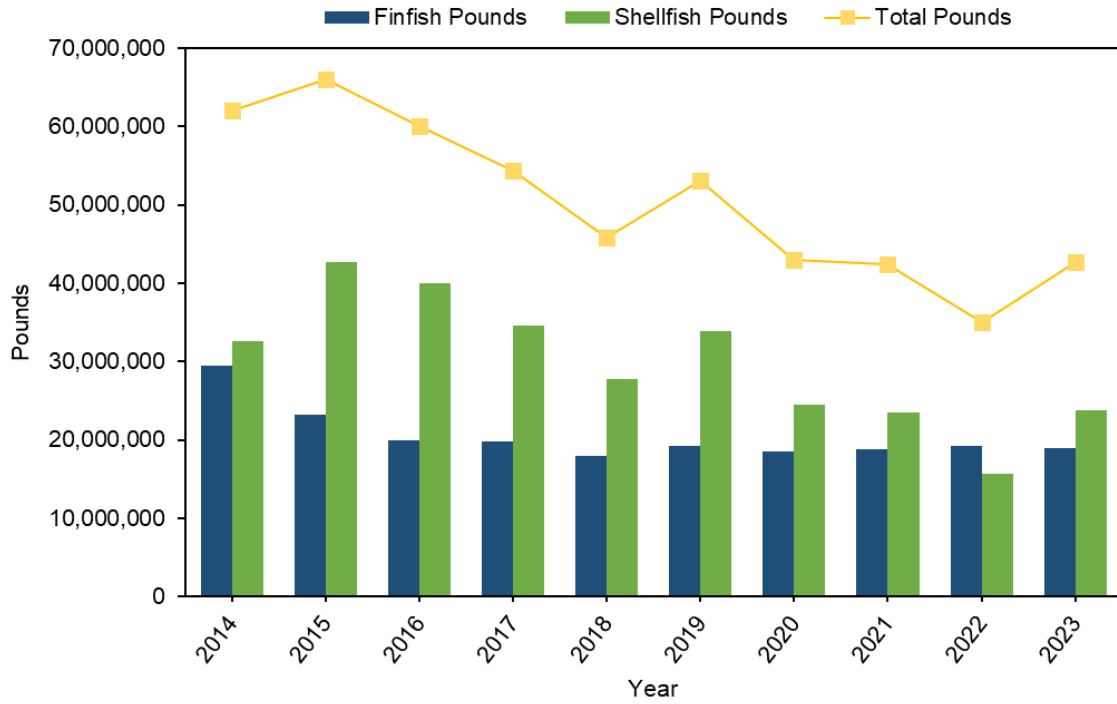


Figure II.1 Commercial landings of finfish and shellfish.

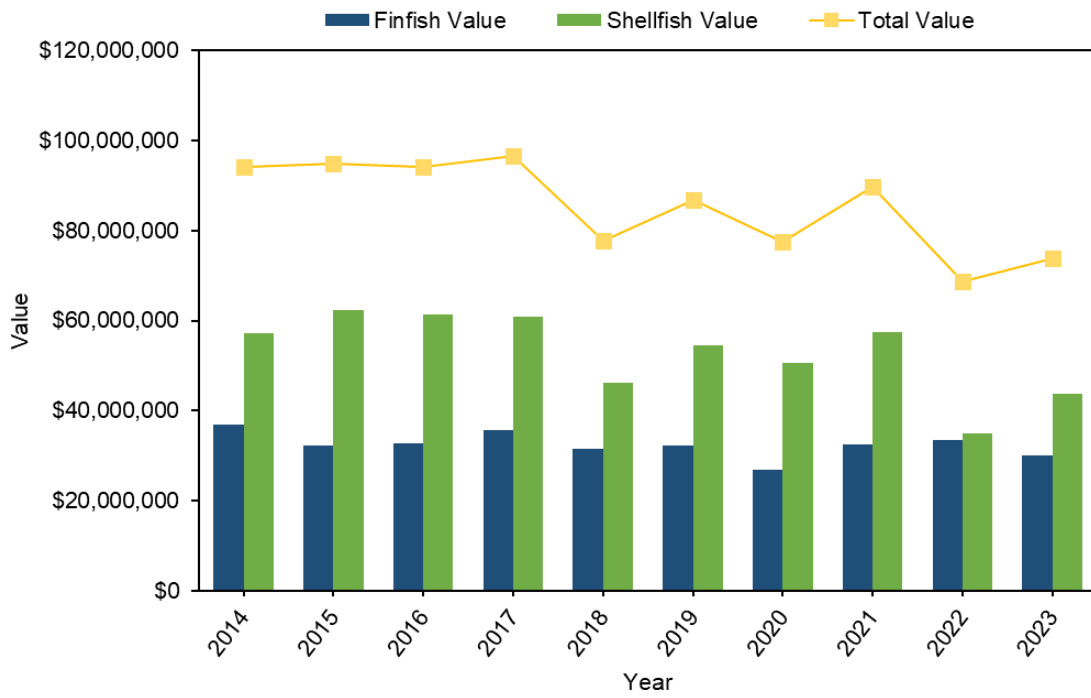


Figure II.2 Ex-vessel value of finfish and shellfish landings.

Table II.3 Commercial landings of select species of finfish and shellfish.

Species	2023		2022		2021	
	Pounds	Value	Pounds	Value	Pounds	Value
Amberjack	208,877	\$246,497	183,009	\$233,713	229,788	\$288,028
Bass, Sea	119,210	\$367,759	162,027	\$551,559	253,867	\$827,269
Bass, Striped	20,181	\$44,112	24,026	\$52,966	27,930	\$72,627
Blue Crabs, Hard	15,345,283	\$18,176,907	9,088,826	\$13,476,343	12,052,138	\$20,553,734
Blue Crabs, Peeler	313,887	\$1,479,474	289,075	\$956,518	531,179	\$1,644,073
Blue Crabs, Soft	71,648	\$765,540	131,341	\$1,210,514	236,523	\$1,753,965
Bluefish	1,658,888	\$654,655	872,042	\$513,431	1,051,019	\$643,944
Catfishes	2,190,386	\$798,199	2,478,207	\$835,518	1,985,590	\$557,913
Clams, Hard	69,348	\$813,853	83,750	\$1,147,654	81,182	\$904,462
Croaker, Atlantic	249,466	\$318,300	357,281	\$454,379	540,619	\$595,623
Dolphinfish	11,710	\$44,278	28,379	\$121,005	26,314	\$111,702
Drum, Red	186,492	\$544,132	175,090	\$531,185	200,825	\$576,463
Eel, American	1,109	\$1,109	3,602	\$5,403	5,505	\$15,139
Flounder, Southern	374,079	\$832,334	366,510	\$940,843	485,024	\$1,446,558
Flounder, Summer	2,096,508	\$3,462,012	2,107,650	\$4,785,310	2,081,420	\$5,775,613
Goosefish	9,930	\$8,184	13,035	\$9,423	24,660	\$15,063
Groupers	158,816	\$1,041,127	153,111	\$970,545	186,945	\$1,053,160
Herring, River	0	\$0	0	\$0	0	\$0
Herring, Thread	***	***	18,154	\$4,149	15,393	\$3,079
Kingfishes	835,087	\$1,408,415	838,784	\$1,472,622	808,049	\$1,245,082
Mackerel, King	559,520	\$1,697,230	409,941	\$1,414,168	430,868	\$1,270,228
Mackerel, Spanish	804,848	\$1,452,310	926,035	\$1,584,313	1,155,289	\$1,846,682
Menhaden, Atlantic	825,789	\$215,047	539,499	\$165,595	430,623	\$116,424
Mullet, Striped	1,863,326	\$1,394,656	2,720,440	\$2,119,221	2,140,620	\$1,336,140
Oysters	1,201,484	\$7,044,819	1,143,314	\$6,686,923	1,227,326	\$6,904,315
Perch, White	443,811	\$512,960	396,316	\$539,769	203,240	\$246,169
Perch, Yellow	6,318	\$10,034	10,642	\$16,469	7,207	\$11,375
Porgies	10,258	\$27,254	19,291	\$56,529	26,527	\$70,838
Scallop, Bay	15,995	\$120,409	***	***	0	\$0
Scup	***	***	18,342	\$11,557	54,255	\$24,287
Seatrout, Spotted	434,610	\$1,238,041	603,099	\$1,712,414	695,970	\$1,758,261
Shad, American	27,341	\$31,718	9,443	\$12,211	58,884	\$73,446
Shad, Gizzard	149,954	\$22,493	152,028	\$15,203	229,267	\$17,359
Shad, Hickory	104,164	\$25,818	92,198	\$23,136	95,372	\$27,476
Sharks	641,033	\$270,810	533,886	\$248,489	593,643	\$279,415
Sharks, Dogfishes	73,942	\$45,751	95,466	\$26,610	173,670	\$46,467
Shrimp, Brown	2,714,318	\$4,572,195	2,853,935	\$4,350,692	2,054,935	\$3,485,781
Shrimp, Pink	26,388	\$54,504	18,275	\$32,087	4,565	\$10,249
Shrimp, Unclassified	3,296	\$122,475	5,677	\$78,438	7,852	\$89,534
Shrimp, White	3,832,979	\$9,356,589	1,906,320	\$5,635,855	7,085,147	\$21,106,430
Snapper, Hog	11,776	\$59,685	11,987	\$60,745	13,147	\$59,431
Snappers	259,576	\$1,285,754	246,279	\$1,134,631	224,168	\$927,374
Spadefish	25,657	\$24,401	19,046	\$16,671	27,282	\$21,551
Spot	761,604	\$1,147,409	543,104	\$824,607	527,464	\$785,721
Swordfish	212,546	\$747,123	322,781	\$1,286,228	265,391	\$1,038,998
Tilefishes	119,909	\$481,131	106,413	\$417,490	119,269	\$464,279
Triggerfish	74,375	\$268,951	88,167	\$300,090	67,353	\$212,691
Tunas	1,598,397	\$6,335,141	1,905,280	\$7,181,432	1,599,258	\$5,570,357
Wahoo	8,808	\$37,052	7,924	\$34,748	7,343	\$27,599
Weakfish	106,131	\$127,936	62,201	\$86,217	59,534	\$83,089
Finfish, Other	1,701,400	\$2,900,511	1,640,403	\$2,840,482	1,757,572	\$2,863,874
Shellfish, Other	146,021	\$1,303,937	187,712	\$1,426,234	204,948	\$930,267

*** Indicates confidential data; confidential data has been added to "Finfish, Other" and "Shellfish, Other" landings, where applicable.

Table II.3 Commercial landings of select species of finfish and shellfish (continued).

Species	2020		2019		2018	
	Pounds	Value	Pounds	Value	Pounds	Value
Amberjack	150,546	\$152,914	104,411	\$109,992	141,824	\$162,910
Bass, Sea	272,422	\$745,088	385,404	\$1,157,244	497,056	\$1,518,224
Bass, Striped	123,933	\$337,124	137,555	\$373,152	136,047	\$439,145
Blue Crabs, Hard	13,109,488	\$19,093,928	22,377,971	\$22,221,353	16,412,897	\$17,298,274
Blue Crabs, Peeler	314,723	\$807,743	465,091	\$1,237,065	368,259	\$857,909
Blue Crabs, Soft	124,170	\$765,587	183,946	\$1,199,842	234,503	\$1,501,315
Bluefish	1,112,966	\$668,583	1,108,205	\$559,833	910,262	\$675,209
Catfishes	1,227,613	\$296,501	1,239,152	\$267,301	1,137,401	\$290,388
Clams, Hard	71,003	\$901,525	118,006	\$1,115,605	199,868	\$1,627,998
Croaker, Atlantic	570,423	\$673,426	1,278,340	\$1,566,030	1,650,316	\$1,638,449
Dolphinfish	51,994	\$178,383	208,385	\$675,935	144,660	\$494,055
Drum, Red	165,666	\$434,984	56,419	\$163,458	144,647	\$386,745
Eel, American	3,291	\$9,773	9,139	\$37,972	18,058	\$29,344
Flounder, Southern	479,905	\$1,057,536	800,080	\$3,078,601	903,842	\$3,823,767
Flounder, Summer	1,779,865	\$3,753,777	2,025,401	\$7,292,375	1,654,569	\$6,893,316
Goosefish	37,439	\$24,430	43,771	\$34,985	45,045	\$35,537
Groupers	199,277	\$1,108,984	302,842	\$1,475,200	239,181	\$1,112,068
Herring, River	0	\$0	0	\$0	0	\$0
Herring, Thread	14,498	\$2,313	25,584	\$6,174	27,252	\$6,132
Kingfishes	640,759	\$1,445,430	702,696	\$995,772	407,201	\$504,830
Mackerel, King	611,476	\$1,469,914	698,252	\$1,570,680	506,933	\$1,146,962
Mackerel, Spanish	1,033,526	\$1,479,165	722,398	\$998,881	796,890	\$1,237,371
Menhaden, Atlantic	599,742	\$122,683	551,849	\$135,682	713,978	\$176,162
Mullet, Striped	1,299,500	\$651,112	1,362,227	\$929,291	1,314,431	\$955,390
Oysters	829,106	\$4,553,647	832,708	\$4,889,462	625,278	\$3,834,874
Perch, White	215,748	\$240,953	100,991	\$90,500	131,920	\$108,241
Perch, Yellow	6,237	\$9,487	6,339	\$7,757	12,725	\$14,568
Porgies	30,141	\$72,688	45,232	\$88,709	54,985	\$112,247
Scallop, Bay	***	***	***	***	0	\$0
Scup	38,772	\$20,825	216,776	\$112,878	78,944	\$58,243
Seatrout, Spotted	568,763	\$1,269,024	378,500	\$893,047	122,310	\$328,939
Shad, American	134,590	\$82,957	40,975	\$70,463	52,113	\$79,812
Shad, Gizzard	313,562	\$31,356	308,315	\$30,832	262,405	\$14,046
Shad, Hickory	68,876	\$19,064	111,719	\$32,502	75,485	\$26,400
Sharks	704,498	\$325,134	881,401	\$352,391	817,498	\$355,357
Sharks, Dogfishes	1,550,617	\$236,090	1,226,883	\$194,067	1,378,007	\$257,283
Shrimp, Brown	1,863,556	\$3,341,642	1,496,597	\$2,970,105	6,125,841	\$11,199,482
Shrimp, Pink	29,733	\$60,818	2,078	\$3,746	69,351	\$202,731
Shrimp, Unclassified	29,844	\$148,537	14,489	\$89,761	13,312	\$74,312
Shrimp, White	7,819,441	\$18,855,745	8,106,871	\$19,049,181	3,521,248	\$8,571,111
Snapper, Hog	11,640	\$52,353	14,486	\$66,895	13,755	\$60,617
Snappers	277,175	\$1,039,710	422,970	\$1,566,839	323,276	\$1,172,463
Spadefish	14,903	\$7,849	12,262	\$6,974	9,838	\$5,640
Spot	542,870	\$805,387	392,206	\$565,357	167,696	\$239,186
Swordfish	409,267	\$1,320,775	413,055	\$1,008,928	425,501	\$931,382
Tilefishes	115,363	\$418,133	90,118	\$334,802	68,509	\$250,497
Triggerfish	126,655	\$366,786	165,126	\$467,137	174,047	\$479,815
Tunas	1,835,479	\$4,092,785	1,490,136	\$3,440,754	1,508,735	\$4,334,561
Wahoo	12,079	\$40,809	31,494	\$108,198	22,619	\$81,777
Weakfish	87,645	\$114,634	115,665	\$181,369	35,142	\$55,755
Finfish, Other	1,054,008	\$1,645,554	987,309	\$1,300,404	839,749	\$1,087,553
Shellfish, Other	294,885	\$2,176,488	289,322	\$1,716,938	230,968	\$1,096,724

*** Indicates confidential data; confidential data has been added to "Finfish, Other" and "Shellfish, Other" landings, where applicable.

Table II.3 Commercial landings of select species of finfish and shellfish (continued).

Species	2017		2016		2015	
	Pounds	Value	Pounds	Value	Pounds	Value
Amberjack	127,924	\$162,984	138,712	\$150,501	146,544	\$162,064
Bass, Sea	632,730	\$1,863,116	424,051	\$1,346,245	467,953	\$1,366,822
Bass, Striped	99,009	\$288,888	146,189	\$432,127	141,824	\$450,208
Blue Crabs, Hard	18,059,855	\$17,767,075	24,732,243	\$20,738,636	31,019,406	\$29,607,419
Blue Crabs, Peeler	776,161	\$1,649,472	445,932	\$1,315,141	704,354	\$2,099,220
Blue Crabs, Soft	427,742	\$2,791,960	284,768	\$2,062,996	375,874	\$2,221,331
Bluefish	1,544,053	\$999,646	1,148,643	\$600,172	804,847	\$445,591
Catfishes	1,165,136	\$399,413	992,439	\$238,725	918,085	\$262,863
Clams, Hard	273,280	\$2,174,491	331,215	\$2,578,120	415,027	\$5,038,973
Croaker, Atlantic	1,008,015	\$1,133,570	2,092,287	\$2,216,211	1,819,020	\$1,646,361
Dolphinfish	198,038	\$719,454	356,061	\$1,271,296	320,961	\$973,324
Drum, Red	187,039	\$498,260	77,101	\$203,003	80,388	\$196,131
Eel, American	24,753	\$14,413	39,911	\$88,195	57,791	\$142,826
Flounder, Southern	1,396,384	\$5,663,116	899,932	\$3,618,196	1,202,952	\$3,823,788
Flounder, Summer	1,572,707	\$6,354,888	2,071,100	\$8,238,721	2,878,743	\$9,092,495
Goosefish	66,277	\$60,086	50,883	\$47,173	112,863	\$106,081
Groupers	223,593	\$1,013,987	258,173	\$1,111,328	261,159	\$1,122,236
Herring, River	0	\$0	0	\$0	0	\$0
Herring, Thread	15,612	\$3,331	10,330	\$3,099	***	***
Kingfishes	942,946	\$1,096,614	834,771	\$1,007,692	784,753	\$858,531
Mackerel, King	629,703	\$1,266,997	420,869	\$870,011	391,751	\$801,671
Mackerel, Spanish	816,089	\$1,384,682	601,623	\$1,068,256	561,714	\$1,034,838
Menhaden, Atlantic	752,799	\$157,288	398,044	\$73,766	898,322	\$152,435
Mullet, Striped	1,366,351	\$1,037,533	965,337	\$669,843	1,247,129	\$804,735
Oysters	852,848	\$5,634,893	668,423	\$4,091,155	648,444	\$3,936,572
Perch, White	171,756	\$125,448	242,106	\$166,889	161,596	\$124,499
Perch, Yellow	16,131	\$21,621	29,405	\$41,609	41,655	\$54,013
Porgies	50,806	\$96,664	44,072	\$82,274	51,488	\$91,282
Scallop, Bay	0	\$0	0	\$0	0	\$0
Scup	199,711	\$112,830	111,908	\$72,871	229,696	\$130,029
Seatrout, Spotted	299,952	\$779,954	254,590	\$662,608	128,768	\$318,321
Shad, American	90,868	\$109,340	62,245	\$88,729	95,926	\$91,619
Shad, Gizzard	166,695	\$8,335	174,222	\$30,489	97,978	\$4,899
Shad, Hickory	73,627	\$20,190	96,121	\$29,309	149,336	\$43,119
Sharks	862,171	\$424,465	951,814	\$403,736	795,831	\$338,283
Sharks, Dogfishes	547,525	\$112,313	2,449,895	\$308,312	4,515,642	\$630,293
Shrimp, Brown	4,529,615	\$8,544,145	4,818,961	\$8,385,036	6,314,179	\$10,528,437
Shrimp, Pink	209,773	\$326,636	45,071	\$80,240	29,140	\$58,767
Shrimp, Unclassified	36,267	\$139,167	6,416	\$52,214	9,488	\$79,038
Shrimp, White	9,133,285	\$20,628,755	8,330,195	\$19,744,034	2,772,320	\$6,228,725
Snapper, Hog	15,776	\$70,760	9,195	\$39,452	8,238	\$33,500
Snappers	286,861	\$1,020,240	280,043	\$958,190	232,030	\$803,988
Spadefish	18,834	\$13,414	15,231	\$9,189	15,997	\$8,177
Spot	415,465	\$523,833	241,044	\$301,677	377,028	\$321,914
Swordfish	458,361	\$1,138,260	445,415	\$1,202,276	593,258	\$1,277,355
Tilefishes	88,754	\$335,987	111,788	\$395,813	45,354	\$135,228
Triggerfish	152,958	\$415,997	135,545	\$356,211	131,536	\$331,805
Tunas	2,083,401	\$5,092,398	1,463,194	\$3,220,820	1,341,188	\$2,916,113
Wahoo	28,963	\$110,577	25,393	\$93,872	18,380	\$65,475
Weakfish	85,462	\$129,160	79,667	\$120,585	80,272	\$115,898
Finfish, Other	883,453	\$909,453	784,901	\$916,191	1,036,353	\$1,104,277
Shellfish, Other	359,043	\$1,348,912	398,311	\$2,368,762	388,680	\$2,574,061

*** Indicates confidential data; confidential data has been added to "Finfish, Other" and "Shellfish, Other" landings, where applicable.

Table II.3 Commercial landings of select species of finfish and shellfish (continued).

Species	2014	
	Pounds	Value
Amberjack	192,994	\$198,868
Bass, Sea	529,075	\$1,413,708
Bass, Striped	96,233	\$283,241
Blue Crabs, Hard	25,242,795	\$29,954,723
Blue Crabs, Peeler	621,040	\$1,935,462
Blue Crabs, Soft	367,277	\$2,137,335
Bluefish	2,019,279	\$889,710
Catfishes	521,540	\$158,480
Clams, Hard	430,816	\$2,866,096
Croaker, Atlantic	2,629,908	\$1,865,595
Dolphinfish	422,496	\$1,237,458
Drum, Red	90,650	\$208,295
Eel, American	60,755	\$164,797
Flounder, Southern	1,673,511	\$4,839,672
Flounder, Summer	2,911,750	\$8,225,282
Goosefish	76,392	\$85,364
Groupers	300,002	\$1,266,274
Herring, River	1,139	\$1,519
Herring, Thread	34,909	\$7,908
Kingfishes	955,087	\$1,007,513
Mackerel, King	549,981	\$1,203,503
Mackerel, Spanish	673,974	\$1,230,410
Menhaden, Atlantic	917,905	\$145,659
Mullet, Striped	1,828,351	\$1,112,465
Oysters	727,775	\$4,544,236
Perch, White	172,486	\$148,698
Perch, Yellow	67,454	\$82,336
Porgies	78,265	\$142,546
Scallop, Bay	0	\$0
Scup	160,508	\$110,203
Seatrout, Spotted	242,245	\$579,343
Shad, American	191,302	\$159,657
Shad, Gizzard	114,999	\$5,750
Shad, Hickory	110,280	\$27,575
Sharks	1,005,858	\$473,375
Sharks, Dogfishes	6,149,189	\$780,378
Shrimp, Brown	3,354,809	\$10,326,997
Shrimp, Pink	141,700	\$385,759
Shrimp, Unclassified	5,390	\$52,530
Shrimp, White	1,218,852	\$3,483,015
Snapper, Hog	9,767	\$37,920
Snappers	251,087	\$864,618
Spadefish	22,761	\$10,652
Spot	766,224	\$619,643
Swordfish	694,911	\$2,109,549
Tilefishes	91,074	\$238,808
Triggerfish	116,782	\$262,199
Tunas	1,662,737	\$3,647,436
Wahoo	22,783	\$71,829
Weakfish	105,247	\$140,574
Finfish, Other	934,282	\$974,336
Shellfish, Other	438,607	\$1,493,871

*** Indicates confidential data; confidential data has been added to "Finfish, Other" and "Shellfish, Other" landings, where applicable.

Table II.4 Number of participants, trips, and vessels for specific species.

Species	2023			2022			2021		
	Participants	Trips	Vessels	Participants	Trips	Vessels	Participants	Trips	Vessels
Amberjack	91	928	107	78	724	84	89	797	99
Bass, Sea	100	816	114	97	820	110	135	862	149
Bass, Striped	77	449	66	100	587	86	130	1,008	108
Blue Crabs, Hard	461	27,554	516	469	24,324	530	539	30,003	648
Blue Crabs, Peeler	244	8,560	266	249	6,904	296	298	9,312	353
Blue Crabs, Soft	143	3,680	150	146	3,431	160	145	3,855	163
Bluefish	582	9,048	631	566	8,252	632	573	8,368	641
Catfishes	267	6,215	275	277	7,052	290	328	7,480	340
Clams, Hard	231	5,837	188	292	6,653	228	278	5,640	236
Croaker, Atlantic	403	4,973	452	435	4,756	470	405	4,188	453
Dolphin	98	319	106	108	382	113	102	354	106
Drum, Red	542	7,254	576	551	6,716	592	593	7,879	648
Eel, American	14	72	15	20	56	19	19	71	20
Flounder, Southern	426	2,132	433	485	1,927	490	541	3,142	563
Flounder, Summer	57	163	59	75	238	78	129	394	135
Goosefish	31	49	32	31	55	32	61	112	64
Groupers	81	1,053	91	73	1,041	83	84	1,121	90
Herring, River	0	0	0	0	0	0	0	0	0
Herring, Thread	2	26	2	4	21	4	3	20	3
Mackerel, King	192	1,509	202	167	1,216	181	215	1,515	226
Mackerel, Spanish	394	4,406	442	416	4,758	468	442	5,176	494
Menhaden, Atlantic	233	2,372	254	233	2,096	258	178	1,585	199
Mullet, Sea	449	5,420	497	502	5,694	552	543	6,284	593
Mullet, Striped	602	8,670	643	672	11,198	727	664	11,310	733
Oysters	604	15,510	510	600	16,575	554	564	14,927	539
Perch, White	281	4,207	299	274	3,782	290	252	3,544	277
Perch, Yellow	85	674	86	88	535	87	81	465	81
Porgies	67	525	79	58	526	61	74	630	81
Scallop, Bay	62	351	57	2	2	2	0	0	0
Scup	11	16	11	17	22	16	35	54	37
Seatrout, Spotted	671	10,724	729	706	12,236	777	676	12,101	764
Shad, American	82	624	73	82	303	75	126	771	112
Shad, Gizzard	63	791	54	87	770	77	94	1,243	87
Shad, Hickory	171	1,483	168	164	1,153	167	184	1,436	188
Sharks	99	1,229	104	113	1,136	127	104	1,361	114
Sharks, Dogfishes	45	248	46	62	235	68	54	235	54
Shrimp	270	3,666	294	300	3,431	331	373	5,575	409
Snapper, Hog	32	148	38	27	142	31	22	137	26
Snappers	74	1,013	88	72	920	79	80	995	87
Spadefish	114	575	124	109	429	113	96	483	104
Spot	453	5,563	500	474	5,109	517	451	5,199	497
Swordfish	35	311	35	33	379	31	28	295	26
Tilefishes	57	573	58	65	612	67	73	608	75
Triggerfish	64	761	75	74	723	79	76	715	84
Tunas	310	2,662	330	326	2,757	347	328	2,542	353
Wahoo	80	145	83	64	118	65	58	105	56
Weakfish	441	5,289	498	431	4,276	471	371	3,704	414
Finfish, Other	930	13,908	1,021	950	13,019	1,050	990	12,803	1,087
Shellfish, Other	249	2,510	257	250	2,233	238	276	2,398	285

Table II.4 Number of participants, trips, and vessels for specific species (continued).

Species	2020			2019			2018		
	Participants	Trips	Vessels	Participants	Trips	Vessels	Participants	Trips	Vessels
Amberjack	99	849	110	99	776	110	87	701	98
Bass, Sea	145	903	164	175	1,235	195	186	1,284	203
Bass, Striped	163	3,388	164	194	3,326	176	274	4,387	270
Blue Crabs, Hard	540	32,201	668	623	34,720	715	656	33,282	740
Blue Crabs, Peeler	311	8,361	372	351	9,070	404	375	7,818	399
Blue Crabs, Soft	149	3,834	170	164	4,050	177	169	3,822	176
Bluefish	649	8,874	740	623	7,407	704	601	6,424	663
Catfishes	315	6,678	327	301	6,320	306	379	6,897	390
Clams, Hard	302	5,799	237	318	8,633	266	462	12,828	367
Croaker, Atlantic	426	3,983	478	366	3,055	397	365	2,405	388
Dolphin	139	397	144	167	719	177	188	705	190
Drum, Red	617	7,507	670	432	3,553	472	579	7,204	644
Eel, American	19	73	20	19	56	22	20	69	20
Flounder, Southern	522	3,485	534	781	10,036	874	912	13,320	980
Flounder, Summer	135	503	144	211	586	222	222	552	228
Goosefish	64	149	68	93	216	98	92	198	94
Groupers	94	1,232	111	111	1,549	123	97	1,321	110
Herring, River	0	0	0	0	0	0	0	0	0
Herring, Thread	4	40	4	5	49	5	5	67	5
Mackerel, King	220	1,904	243	219	1,937	243	187	1,493	209
Mackerel, Spanish	474	5,171	533	408	3,298	445	343	3,086	378
Menhaden, Atlantic	218	2,104	222	184	1,794	200	254	2,347	267
Mullet, Sea	552	6,144	612	530	5,744	587	515	4,369	549
Mullet, Striped	610	8,893	681	634	6,756	728	691	6,686	751
Oysters	566	13,227	531	600	14,718	522	623	12,447	523
Perch, White	263	3,250	270	231	2,429	247	269	2,619	273
Perch, Yellow	77	510	82	80	463	81	96	591	94
Porgies	77	700	88	89	837	100	87	776	98
Scallop, Bay	2	7	1	1	2	1	0	0	0
Scup	39	56	39	62	96	63	58	83	60
Seatrout, Spotted	719	11,448	819	694	8,553	811	536	3,721	578
Shad, American	127	849	116	132	981	118	131	910	126
Shad, Gizzard	98	1,717	96	116	1,625	98	115	1,541	107
Shad, Hickory	142	1,131	135	168	1,264	162	149	1,022	141
Sharks	113	1,353	117	110	1,168	125	114	1,153	125
Sharks, Dogfishes	65	570	71	74	495	81	95	629	98
Shrimp	397	6,215	453	379	5,916	429	475	6,096	509
Snapper, Hog	30	166	38	32	194	38	31	152	34
Snappers	90	1,073	105	106	1,421	119	92	1,235	104
Spadefish	66	345	71	96	475	99	87	414	87
Spot	519	5,535	581	474	4,014	534	462	3,354	498
Swordfish	44	337	42	44	289	44	30	258	29
Tilefishes	71	581	79	76	618	79	73	523	78
Triggerfish	84	811	97	93	793	100	102	952	112
Tunas	430	3,545	467	395	3,326	422	340	2,747	358
Wahoo	72	145	74	121	265	122	103	235	105
Weakfish	422	4,654	475	399	4,463	438	370	3,130	399
Finfish, Other	989	12,107	1,103	1,101	13,932	1,210	1,145	15,051	1,264
Shellfish, Other	289	2,539	294	377	3,109	381	468	4,293	462

Table II.4 Number of participants, trips, and vessels for specific species (continued).

Species	2017			2016			2015		
	Participants	Trips	Vessels	Participants	Trips	Vessels	Participants	Trips	Vessels
Amberjack	86	660	89	78	736	81	84	688	87
Bass, Sea	187	1,530	197	168	1,516	180	170	1,481	180
Bass, Striped	274	3,525	285	280	4,931	271	337	4,852	341
Blue Crabs, Hard	704	37,392	831	864	46,576	1,021	883	52,058	1,092
Blue Crabs, Peeler	385	9,246	438	477	12,216	552	534	13,481	611
Blue Crabs, Soft	203	4,737	230	237	6,071	259	241	5,509	270
Bluefish	679	8,005	749	571	6,903	596	549	6,405	604
Catfishes	390	7,283	427	422	7,579	430	448	8,186	487
Clams, Hard	559	19,037	401	626	20,466	436	650	21,393	456
Croaker, Atlantic	470	3,794	507	489	3,675	511	557	4,398	583
Dolphin	182	764	182	184	780	188	160	572	172
Drum, Red	705	10,148	778	464	4,775	495	451	4,124	493
Eel, American	32	100	32	26	89	26	29	129	32
Flounder, Southern	1,050	17,983	1,154	945	13,378	1,004	1,032	13,880	1,126
Flounder, Summer	247	832	264	247	883	261	208	724	216
Goosefish	91	180	96	111	277	116	88	203	93
Groupers	98	1,273	101	94	1,329	96	100	1,232	104
Herring, River	0	0	0	0	0	0	0	0	0
Herring, Thread	8	65	9	3	36	3	5	105	5
Mackerel, King	208	1,744	223	195	1,431	208	195	1,389	205
Mackerel, Spanish	313	2,783	341	339	3,062	361	305	2,966	325
Menhaden, Atlantic	282	2,619	304	291	2,579	294	309	2,673	325
Mullet, Sea	647	6,893	723	601	6,449	656	601	6,004	662
Mullet, Striped	760	7,653	842	688	6,756	735	751	7,270	823
Oysters	810	17,504	647	841	16,402	670	868	17,142	705
Perch, White	298	3,331	335	298	4,398	313	338	4,182	365
Perch, Yellow	113	696	124	147	1,443	142	163	1,781	172
Porgies	89	710	92	79	724	79	85	723	88
Scallop, Bay	0	0	0	0	0	0	0	0	0
Scup	50	76	51	44	70	47	42	59	45
Seatrout, Spotted	841	9,756	919	685	7,150	740	626	4,833	682
Shad, American	188	1,347	179	157	1,088	151	200	1,510	189
Shad, Gizzard	83	1,048	82	98	1,236	96	91	842	79
Shad, Hickory	203	1,568	202	197	1,667	191	244	1,875	243
Sharks	137	1,224	137	150	1,508	148	136	1,172	143
Sharks, Dogfishes	86	369	86	109	813	108	124	1,180	133
Shrimp	505	9,572	575	517	9,728	565	495	8,182	558
Snapper, Hog	32	139	35	21	134	25	31	130	36
Snappers	88	1,033	91	77	771	78	80	664	81
Spadefish	165	1,006	177	130	506	129	118	607	121
Spot	567	4,646	617	482	3,481	524	588	4,349	626
Swordfish	28	259	26	32	241	30	26	252	27
Tilefishes	74	511	76	73	606	70	60	223	59
Triggerfish	107	1,042	111	84	756	87	74	581	75
Tunas	389	3,507	418	356	2,949	367	373	2,742	389
Wahoo	106	261	105	112	288	115	106	214	108
Weakfish	498	4,644	546	443	4,437	479	469	4,467	506
Finfish, Other	1,280	19,223	1,436	1,191	15,708	1,285	1,185	15,977	1,306
Shellfish, Other	628	7,467	623	636	6,872	610	690	7,913	659

Table II.4 Number of participants, trips, and vessels for specific species (*continued*).

Species	2014		
	Participants	Trips	Vessels
Amberjack	94	807	96
Bass, Sea	180	1,720	189
Bass, Striped	331	3,660	325
Blue Crabs, Hard	887	51,222	1,053
Blue Crabs, Peeler	534	14,096	600
Blue Crabs, Soft	259	5,712	290
Bluefish	682	7,672	754
Catfishes	405	6,404	428
Clams, Hard	607	19,644	477
Croaker, Atlantic	685	6,346	754
Dolphin	185	911	195
Drum, Red	554	3,924	570
Eel, American	34	154	39
Flounder, Southern	1,222	18,121	1,321
Flounder, Summer	217	777	222
Goosefish	97	290	102
Groupers	108	1,352	113
Herring, River	6	13	5
Herring, Thread	5	66	5
Mackerel, King	202	1,840	216
Mackerel, Spanish	357	3,108	390
Menhaden, Atlantic	359	3,194	377
Mullet, Sea	684	7,294	764
Mullet, Striped	864	8,307	925
Oysters	970	20,520	800
Perch, White	319	3,937	334
Perch, Yellow	169	1,973	181
Porgies	96	848	101
Scallop, Bay	0	0	0
Scup	45	86	49
Seatrout, Spotted	849	7,223	905
Shad, American	209	1,594	201
Shad, Gizzard	55	476	50
Shad, Hickory	206	1,796	205
Sharks	126	1,219	128
Sharks, Dogfishes	143	1,718	156
Shrimp	418	6,478	468
Snapper, Hog	29	127	33
Snappers	88	748	90
Spadefish	134	609	142
Spot	787	7,590	859
Swordfish	31	283	31
Tilefishes	67	324	69
Triggerfish	57	325	58
Tunas	344	3,207	371
Wahoo	95	221	100
Weakfish	582	5,885	637
Finfish, Other	1,252	15,531	1,371
Shellfish, Other	688	8,214	680

Table II.5 Top five species landed by waterbody.

2023			
Waterbody	Species	Pounds	Rank
Albemarle Sound	Blue Crabs, Hard	5,853,875	1
	Catfishes	923,288	2
	Perch, White	237,382	3
	Mullet, Striped	88,299	4
	Blue Crabs, Peeler	84,513	5
Alligator River	Blue Crabs, Hard	1,766,464	1
	Blue Crabs, Peeler	76,399	2
	Mullet, Striped	***	3
	Perch, White	1,638	4
	Catfishes	1,404	5
Back Bay (VA)	Blue Crabs, Hard	5,896	1
Bay River	Oysters	53,635	1
	Blue Crabs, Hard	47,918	2
	Seatrout, Spotted	24,905	3
	Mullet, Striped	22,238	4
	Spot	20,340	5
Bogue Sound	Mullet, Striped	69,623	1
	Blue Crabs, Hard	68,108	2
	Shrimp, White	30,432	3
	Menhaden, Atlantic	20,325	4
	Bluefish	19,519	5
Cape Fear River	Blue Crabs, Hard	562,968	1
	Shrimp, White	9,664	2
	Blue Crabs, Peeler	9,518	3
	Spot	7,049	4
	Mullet, Striped	6,914	5
Chowan River	Catfishes	994,295	1
	Shad, Gizzard	67,404	2
	Blue Crabs, Hard	***	3
	Perch, White	40,185	4
	Shad, American	16,266	5
Core Sound	Mullet, Striped	231,059	1
	Oysters	217,918	2
	Shrimp, Brown	125,643	3
	Shrimp, White	107,428	4
	Spot	102,973	5
Croatan Sound	Blue Crabs, Hard	1,320,050	1
	Mullet, Striped	***	2
	Blue Crabs, Peeler	17,601	3
	Drum, Red	***	4
	Seatrout, Spotted	12,845	5

*** Indicates confidential data.

Table II.5 Top five species landed by waterbody (continued).

2023			
Waterbody	Species	Pounds	Rank
Currituck Sound	Blue Crabs, Hard	1,573,351	1
	Perch, White	126,977	2
	Catfishes	117,400	3
	Blue Crabs, Peeler	68,292	4
	Blue Crabs, Soft	7,666	5
Inland Waterway (Brunswick)	Blue Crabs, Hard	56,350	1
	Shrimp, Brown	15,910	2
	Shrimp, White	12,085	3
	Shellfish,Other	4,200	4
	Spot	4,044	5
Inland Waterway (Onslow)	Blue Crabs, Hard	56,041	1
	Mullet, Striped	15,041	2
	Clams, Hard	7,930	3
	Spot	4,673	4
	Croaker, Atlantic	4,222	5
Lockwood's Folly River	Blue Crabs, Hard	***	1
	Oysters	8,497	2
	Seatrout, Spotted	1,116	3
	Flounder, Southern	995	4
	Mullet, Striped	209	5
Masonboro Sound	Blue Crabs, Hard	169,049	1
	Oysters	33,338	2
	Spot	10,467	3
	Flounder, Southern	10,258	4
	Shellfish,Other	8,993	5
Neuse River	Menhaden, Atlantic	285,728	1
	Mullet, Striped	230,091	2
	Blue Crabs, Hard	193,684	3
	Shrimp, Brown	123,952	4
	Bluefish	79,985	5
New River	Blue Crabs, Hard	234,503	1
	Oysters	60,860	2
	Shrimp, White	25,300	3
	Spot	22,549	4
	Mullet, Striped	11,792	5
Newport River	Oysters	186,906	1
	Blue Crabs, Hard	75,203	2
	Shrimp, White	28,842	3
	Shrimp, Brown	8,932	4
	Mullet, Striped	***	5
North River/Back Sound	Oysters	55,176	1
	Blue Crabs, Hard	51,161	2
	Shrimp, White	24,439	3
	Shrimp, Brown	13,288	4
	Clams, Hard	3,453	5

*** Indicates confidential data.

Table II.5 Top five species landed by waterbody (continued).

2023			
Waterbody	Species	Pounds	Rank
Ocean 0-3 mi, N of Cape Hatteras	Shrimp, White	1,008,104	1
	Kingfishes	114,823	2
	Bluefish	65,326	3
	Sharks	51,290	4
	Mackerel, Spanish	36,401	5
Ocean 0-3 mi, S of Cape Hatteras	Shrimp, White	1,690,581	1
	Kingfishes	602,528	2
	Sharks	429,041	3
	Spot	407,340	4
	Mackerel, Spanish	403,200	5
Ocean >3 mi, N of Cape Hatteras	Flounder, Summer	2,095,953	1
	Tunas	1,443,654	2
	Swordfish	202,020	3
	Tilefishes	101,616	4
	Bluefish	92,447	5
Ocean >3 mi, S of Cape Hatteras	Mackerel, King	462,737	1
	Snappers	259,162	2
	Amberjack	184,065	3
	Groupers	152,360	4
	Sharks	103,246	5
Pamlico River	Blue Crabs, Hard	440,469	1
	Seatrout, Spotted	47,743	2
	Mullet, Striped	23,517	3
	Spot	22,513	4
	Menhaden, Atlantic	21,868	5
Pamlico Sound	Shrimp, Brown	2,313,034	1
	Blue Crabs, Hard	1,338,911	2
	Bluefish	894,987	3
	Shrimp, White	842,912	4
	Mullet, Striped	774,395	5
Pasquotank River	Blue Crabs, Hard	***	1
	Catfishes	***	2
	Blue Crabs, Peeler	***	3
	Menhaden, Atlantic	***	4
	Perch, White	***	5
Perquimans River	Blue Crabs, Hard	417,665	1
	Catfishes	9,656	2
	Blue Crabs, Peeler	4,855	3
	Perch, White	2,216	4
	Flounder, Southern	***	5
Pungo River	Blue Crabs, Hard	129,255	1
	Seatrout, Spotted	44,945	2
	Menhaden, Atlantic	19,772	3
	Perch, White	3,840	4
	Blue Crabs, Peeler	3,009	5

*** Indicates confidential data.

Table II.5 Top five species landed by waterbody (continued).

2023			
Waterbody	Species	Pounds	Rank
Roanoke River	Catfishes	125,951	1
	Perch, White	756	2
	Mullet, Striped	***	3
Roanoke Sound	Blue Crabs, Hard	579,362	1
	Mullet, Striped	130,517	2
	Bluefish	***	3
	Drum, Red	***	4
	Seatrout, Spotted	***	5
Shallotte River	Blue Crabs, Hard	10,422	1
	Oysters	8,408	2
	Clams, Hard	1,251	3
	Spot	1,023	4
	Flounder, Southern	754	5
Stump Sound	Blue Crabs, Hard	91,737	1
	Oysters	61,017	2
	Shrimp, White	5,709	3
	Mullet, Striped	***	4
	Flounder, Southern	2,386	5
Topsail Sound	Oysters	157,730	1
	Blue Crabs, Hard	78,049	2
	Mullet, Striped	9,047	3
	Shrimp, White	8,809	4
	Clams, Hard	7,821	5
White Oak River	Blue Crabs, Hard	39,710	1
	Mullet, Striped	14,426	2
	Oysters	11,357	3
	Seatrout, Spotted	3,012	4
	Menhaden, Atlantic	2,125	5

*** Indicates confidential data.

Table II.5 Top five species landed by waterbody (continued).

2022			
Waterbody	Species	Pounds	Rank
Albemarle Sound	Blue Crabs, Hard	3,473,443	1
	Catfishes	1,157,432	2
	Mullet, Striped	152,823	3
	Perch, White	139,936	4
	Blue Crabs, Peeler	74,271	5
Alligator River	Blue Crabs, Hard	1,015,597	1
	Blue Crabs, Peeler	32,816	2
	Catfishes	8,152	3
	Perch, White	4,126	4
	Shad, Gizzard	***	5
Back Bay (VA)	Blue Crabs, Hard	***	1
Bay River	Blue Crabs, Hard	65,790	1
	Oysters	48,140	2
	Mullet, Striped	42,623	3
	Seatrout, Spotted	23,774	4
	Spot	15,885	5
Bogue Sound	Mullet, Striped	127,351	1
	Blue Crabs, Hard	53,074	2
	Menhaden, Atlantic	35,468	3
	Oysters	18,508	4
	Clams, Hard	14,603	5
Cape Fear River	Blue Crabs, Hard	503,282	1
	Shrimp, White	28,123	2
	Blue Crabs, Peeler	21,355	3
	Mullet, Striped	9,918	4
	Flounder, Southern	6,415	5
Chowan River	Catfishes	1,086,243	1
	Shad, Gizzard	57,514	2
	Blue Crabs, Hard	41,952	3
	Perch, White	26,143	4
	Bass, Striped	10,706	5
Core Sound	Mullet, Striped	384,062	1
	Oysters	185,891	2
	Shrimp, Brown	185,181	3
	Menhaden, Atlantic	137,956	4
	Spot	93,282	5
Croatan Sound	Blue Crabs, Hard	298,973	1
	Blue Crabs, Peeler	31,783	2
	Mullet, Striped	27,267	3
	Blue Crabs, Soft	12,924	4
	Drum, Red	***	5

*** Indicates confidential data.

Table II.5 Top five species landed by waterbody (continued).

2022			
Waterbody	Species	Pounds	Rank
Currituck Sound	Blue Crabs, Hard	873,827	1
	Perch, White	201,454	2
	Catfishes	94,771	3
	Blue Crabs, Peeler	46,855	4
	Shad, Gizzard	28,629	5
Inland Waterway (Brunswick)	Blue Crabs, Hard	46,997	1
	Mullet, Striped	8,975	2
	Spot	7,290	3
	Shrimp, White	5,292	4
	Seatrout, Spotted	4,507	5
Inland Waterway (Onslow)	Mullet, Striped	23,418	1
	Blue Crabs, Hard	22,924	2
	Spot	11,467	3
	Shrimp, Brown	8,632	4
	Clams, Hard	7,979	5
Lockwood's Folly River	Oysters	7,972	1
	Blue Crabs, Hard	***	2
	Seatrout, Spotted	2,278	3
	Mullet, Striped	1,135	4
	Flounder, Southern	746	5
Masonboro Sound	Blue Crabs, Hard	91,595	1
	Oysters	29,198	2
	Flounder, Southern	9,114	3
	Shellfish, Other	7,183	4
	Clams, Hard	6,475	5
Neuse River	Shrimp, Brown	866,726	1
	Blue Crabs, Hard	272,916	2
	Mullet, Striped	252,485	3
	Seatrout, Spotted	62,541	4
	Spot	38,959	5
New River	Blue Crabs, Hard	185,174	1
	Shrimp, White	72,768	2
	Oysters	64,216	3
	Mullet, Striped	61,862	4
	Shrimp, Brown	30,872	5
Newport River	Oysters	147,902	1
	Blue Crabs, Hard	34,923	2
	Shrimp, White	33,799	3
	Shrimp, Brown	13,630	4
	Mullet, Striped	6,124	5
North River/Back Sound	Oysters	80,595	1
	Blue Crabs, Hard	26,151	2
	Shrimp, White	11,906	3
	Shrimp, Brown	10,774	4
	Clams, Hard	5,315	5

*** Indicates confidential data.

Table II.5 Top five species landed by waterbody (continued).

2022			
Waterbody	Species	Pounds	Rank
Ocean 0-3 mi, N of Cape Hatteras	Shrimp, White	544,201	1
	Kingfishes	151,131	2
	Sharks	66,652	3
	Croaker, Atlantic	61,547	4
	Mackerel, Spanish	58,848	5
Ocean 0-3 mi, S of Cape Hatteras	Shrimp, White	884,763	1
	Kingfishes	589,648	2
	Mackerel, Spanish	398,830	3
	Sharks	343,201	4
	Spot	241,616	5
Ocean >3 mi, N of Cape Hatteras	Flounder, Summer	2,106,640	1
	Tunas	1,748,814	2
	Swordfish	313,519	3
	Shellfish, Other	153,560	4
	Croaker, Atlantic	144,798	5
Ocean >3 mi, S of Cape Hatteras	Mackerel, King	294,555	1
	Snappers	245,981	2
	Amberjack	173,123	3
	Groupers	149,172	4
	Triggerfish	87,346	5
Pamlico River	Blue Crabs, Hard	470,796	1
	Seatrout, Spotted	104,109	2
	Mullet, Striped	69,346	3
	Menhaden, Atlantic	19,161	4
	Spot	12,089	5
Pamlico Sound	Shrimp, Brown	1,681,310	1
	Mullet, Striped	1,095,585	2
	Blue Crabs, Hard	794,953	3
	Bluefish	527,299	4
	Mackerel, Spanish	426,934	5
Pasquotank River	Blue Crabs, Hard	176,043	1
	Catfishes	3,976	2
	Blue Crabs, Peeler	2,727	3
	Mullet, Striped	2,215	4
	Perch, White	1,314	5
Perquimans River	Blue Crabs, Hard	***	1
	Catfishes	***	2
	Shad, Gizzard	***	3
	Mullet, Striped	***	4
	Bass, Striped	***	5
Pungo River	Blue Crabs, Hard	63,202	1
	Seatrout, Spotted	5,348	2
	Menhaden, Atlantic	4,238	3
	Mullet, Striped	2,047	4
	Perch, White	1,607	5

*** Indicates confidential data.

Table II.5 Top five species landed by waterbody (continued).

2022			
Waterbody	Species	Pounds	Rank
Roanoke River	Catfishes	38,838	1
Roanoke Sound	Blue Crabs, Hard	291,518	1
	Mullet, Striped	206,602	2
	Seatrout, Spotted	***	3
	Blue Crabs, Soft	23,557	4
	Drum, Red	17,544	5
Shalotte River	Oysters	9,792	1
	Blue Crabs, Hard	***	2
	Clams, Hard	1,420	3
	Flounder, Southern	***	4
	Blue Crabs, Peeler	***	5
Stump Sound	Oysters	141,565	1
	Blue Crabs, Hard	52,855	2
	Mullet, Striped	14,406	3
	Shrimp, Brown	10,064	4
	Shrimp, White	3,313	5
Topsail Sound	Oysters	122,273	1
	Blue Crabs, Hard	56,114	2
	Mullet, Striped	34,757	3
	Clams, Hard	9,703	4
	Spot	5,489	5
White Oak River	Blue Crabs, Hard	32,461	1
	Mullet, Striped	14,871	2
	Oysters	***	3
	Menhaden, Atlantic	7,144	4
	Seatrout, Spotted	4,004	5

*** Indicates confidential data.

Table II.5 Top five species landed by waterbody (continued).

2021			
Waterbody	Species	Pounds	Rank
Albemarle Sound	Blue Crabs, Hard	5,314,522	1
	Catfishes	1,036,899	2
	Mullet, Striped	181,585	3
	Blue Crabs, Peeler	160,460	4
	Blue Crabs, Soft	115,126	5
Alligator River	Blue Crabs, Hard	1,117,359	1
	Blue Crabs, Peeler	63,110	2
	Catfishes	4,749	3
	Shad, Gizzard	***	4
	Mullet, Striped	4,170	5
Back Bay (VA)	Blue Crabs, Hard	***	1
Bay River	Mullet, Striped	49,357	1
	Blue Crabs, Hard	41,164	2
	Seatrout, Spotted	36,478	3
	Oysters	12,650	4
	Flounder, Southern	6,554	5
Bogue Sound	Mullet, Striped	108,656	1
	Blue Crabs, Hard	64,499	2
	Menhaden, Atlantic	40,941	3
	Oysters	30,893	4
	Shrimp, White	30,565	5
Cape Fear River	Blue Crabs, Hard	333,978	1
	Mullet, Striped	15,800	2
	Blue Crabs, Peeler	14,589	3
	Shrimp, White	10,066	4
	Flounder, Southern	5,568	5
Chowan River	Catfishes	781,170	1
	Shad, Gizzard	93,688	2
	Perch, White	9,200	3
	Shad, American	4,932	4
	Menhaden, Atlantic	***	5
Core Sound	Oysters	251,339	1
	Mullet, Striped	218,977	2
	Shrimp, Brown	184,190	3
	Flounder, Southern	140,360	4
	Spot	102,365	5
Croatan Sound	Blue Crabs, Hard	411,140	1
	Blue Crabs, Peeler	61,195	2
	Mullet, Striped	30,077	3
	Blue Crabs, Soft	22,019	4
	Shrimp, Brown	19,067	5

*** Indicates confidential data.

Table II.5 Top five species landed by waterbody (continued).

2021			
Waterbody	Species	Pounds	Rank
Currituck Sound	Blue Crabs, Hard	1,216,114	1
	Perch, White	100,069	2
	Catfishes	76,942	3
	Blue Crabs, Peeler	43,701	4
	Shad, Gizzard	21,286	5
Inland Waterway (Brunswick)	Blue Crabs, Hard	60,151	1
	Mullet, Striped	10,069	2
	Seatrout, Spotted	8,673	3
	Spot	7,872	4
	Shrimp, White	6,899	5
Inland Waterway (Onslow)	Blue Crabs, Hard	34,076	1
	Mullet, Striped	21,477	2
	Spot	7,905	3
	Clams, Hard	5,659	4
	Flounder, Southern	5,355	5
Lockwood's Folly River	Blue Crabs, Hard	***	1
	Oysters	5,597	2
	Seatrout, Spotted	1,918	3
	Mullet, Striped	1,328	4
	Flounder, Southern	725	5
Masonboro Sound	Blue Crabs, Hard	109,274	1
	Oysters	28,310	2
	Flounder, Southern	9,471	3
	Mullet, Striped	7,795	4
	Spot	6,306	5
Neuse River	Shrimp, Brown	441,641	1
	Blue Crabs, Hard	350,605	2
	Mullet, Striped	203,011	3
	Seatrout, Spotted	122,228	4
	Spot	46,053	5
New River	Blue Crabs, Hard	129,827	1
	Oysters	66,873	2
	Mullet, Striped	14,908	3
	Flounder, Southern	13,516	4
	Clams, Hard	10,110	5
Newport River	Oysters	147,360	1
	Shrimp, White	***	2
	Blue Crabs, Hard	39,454	3
	Mullet, Striped	23,045	4
	Clams, Hard	6,213	5
North River/Back Sound	Oysters	81,548	1
	Shrimp, White	74,912	2
	Blue Crabs, Hard	13,506	3
	Shrimp, Brown	9,206	4
	Clams, Hard	5,643	5

*** Indicates confidential data.

Table II.5 Top five species landed by waterbody (continued).

2021			
Waterbody	Species	Pounds	Rank
Ocean 0-3 mi, N of Cape Hatteras	Shrimp, White	2,862,267	1
	Mackerel, Spanish	122,111	2
	Kingfishes	113,564	3
	Croaker, Atlantic	91,171	4
	Sharks	66,421	5
Ocean 0-3 mi, S of Cape Hatteras	Shrimp, White	2,651,297	1
	Kingfishes	620,402	2
	Mackerel, Spanish	565,332	3
	Sharks	400,103	4
	Spot	256,542	5
Ocean >3 mi, N of Cape Hatteras	Flounder, Summer	2,040,093	1
	Tunas	1,419,519	2
	Croaker, Atlantic	300,356	3
	Swordfish	253,352	4
	Bass, Sea	200,565	5
Ocean >3 mi, S of Cape Hatteras	Mackerel, King	294,596	1
	Snappers	224,160	2
	Amberjack	212,871	3
	Groupers	178,478	4
	Tunas	112,522	5
Pamlico River	Blue Crabs, Hard	669,201	1
	Seatrout, Spotted	103,684	2
	Mullet, Striped	88,370	3
	Flounder, Southern	9,848	4
	Spot	9,187	5
Pamlico Sound	Shrimp, Brown	1,248,026	1
	Blue Crabs, Hard	1,201,991	2
	Shrimp, White	1,170,737	3
	Mullet, Striped	823,974	4
	Bluefish	665,956	5
Pasquotank River	Blue Crabs, Hard	113,866	1
	Catfishes	7,465	2
	Blue Crabs, Peeler	***	3
	Flounder, Southern	718	4
	Perch, White	***	5
Perquimans River	Blue Crabs, Hard	35,611	1
	Catfishes	18,093	2
	Mullet, Striped	***	3
	Bass, Striped	***	4
	Shad, Gizzard	***	5
Pungo River	Blue Crabs, Hard	212,517	1
	Seatrout, Spotted	8,253	2
	Blue Crabs, Peeler	6,123	3
	Perch, White	5,801	4
	Menhaden, Atlantic	4,686	5

*** Indicates confidential data

Table II.5 Top five species landed by waterbody (continued).

2021			
Waterbody	Species	Pounds	Rank
Roanoke River	Catfishes	***	1
Roanoke Sound	Blue Crabs, Hard	282,820	1
	Mullet, Striped	93,043	2
	Blue Crabs, Soft	60,659	3
	Seatrout, Spotted	28,230	4
	Blue Crabs, Peeler	19,752	5
Shalotte River	Oysters	12,680	1
	Blue Crabs, Hard	***	2
	Seatrout, Spotted	***	3
	Clams, Hard	1,396	4
	Mullet, Striped	***	5
Stump Sound	Oysters	135,937	1
	Blue Crabs, Hard	57,513	2
	Mullet, Striped	3,427	3
	Clams, Hard	3,056	4
	Blue Crabs, Peeler	2,018	5
Topsail Sound	Oysters	173,339	1
	Blue Crabs, Hard	85,802	2
	Mullet, Striped	40,365	3
	Clams, Hard	8,665	4
	Flounder, Southern	6,174	5
White Oak River	Blue Crabs, Hard	29,079	1
	Oysters	***	2
	Mullet, Striped	4,178	3
	Spot	2,029	4
	Flounder, Southern	1,829	5

*** Indicates confidential data.

Table II.5 Top five species landed by waterbody (continued).

2020			
Waterbody	Species	Pounds	Rank
Albemarle Sound	Blue Crabs, Hard	4,285,364	1
	Catfishes	583,093	2
	Mullet, Striped	139,322	3
	Shad, Gizzard	122,035	4
	Shad, American	96,322	5
Alligator River	Blue Crabs, Hard	991,387	1
	Blue Crabs, Peeler	25,008	2
	Catfishes	1,648	3
	Seatrout, Spotted	540	4
	Perch, White	426	5
Back Bay (VA)	Blue Crabs, Hard	32,568	1
Bay River	Seatrout, Spotted	77,248	1
	Blue Crabs, Hard	40,857	2
	Oysters	22,943	3
	Mullet, Striped	19,278	4
	Spot	13,173	5
Bogue Sound	Blue Crabs, Hard	139,574	1
	Mullet, Striped	100,647	2
	Menhaden, Atlantic	31,843	3
	Oysters	29,260	4
	Shrimp, White	26,338	5
Cape Fear River	Blue Crabs, Hard	515,040	1
	Shrimp, White	18,685	2
	Blue Crabs, Peeler	18,027	3
	Mullet, Striped	10,197	4
	Shrimp, Unclassified	9,577	5
Chowan River	Catfishes	523,193	1
	Shad, Gizzard	178,535	2
	Perch, White	20,323	3
	Bass, Striped	20,107	4
	Shad, American	17,797	5
Core Sound	Blue Crabs, Hard	193,581	1
	Shrimp, Brown	191,780	2
	Oysters	146,576	3
	Flounder, Southern	143,741	4
	Mullet, Striped	109,809	5
Croatan Sound	Blue Crabs, Hard	570,084	1
	Shrimp, White	47,743	2
	Blue Crabs, Peeler	37,224	3
	Shrimp, Brown	22,366	4
	Blue Crabs, Soft	11,076	5

*** Indicates confidential data.

Table II.5 Top five species landed by waterbody (continued).

2020			
Waterbody	Species	Pounds	Rank
Currituck Sound	Blue Crabs, Hard	840,388	1
	Perch, White	69,876	2
	Catfishes	54,104	3
	Blue Crabs, Peeler	33,472	4
	Flounder, Southern	24,225	5
Inland Waterway (Brunswick)	Blue Crabs, Hard	108,411	1
	Seatrout, Spotted	17,694	2
	Spot	12,829	3
	Mullet, Striped	11,368	4
	Flounder, Southern	4,068	5
Inland Waterway (Onslow)	Blue Crabs, Hard	22,641	1
	Mullet, Striped	10,444	2
	Spot	8,289	3
	Shrimp, Brown	***	4
	Shrimp, White	5,502	5
Lockwood's Folly River	Blue Crabs, Hard	***	1
	Oysters	10,088	2
	Seatrout, Spotted	1,539	3
	Flounder, Southern	779	4
	Clams, Hard	654	5
Masonboro Sound	Blue Crabs, Hard	138,160	1
	Oysters	31,162	2
	Spot	9,179	3
	Mullet, Striped	6,615	4
	Flounder, Southern	6,489	5
Neuse River	Blue Crabs, Hard	750,979	1
	Mullet, Striped	156,494	2
	Seatrout, Spotted	95,610	3
	Menhaden, Atlantic	87,730	4
	Shrimp, Brown	87,325	5
New River	Blue Crabs, Hard	257,633	1
	Shrimp, White	41,466	2
	Oysters	40,915	3
	Mullet, Striped	23,914	4
	Spot	22,828	5
Newport River	Blue Crabs, Hard	67,520	1
	Oysters	53,251	2
	Shrimp, White	41,464	3
	Mullet, Striped	25,443	4
	Shrimp, Brown	7,078	5
North River/Back Sound	Oysters	59,513	1
	Blue Crabs, Hard	38,969	2
	Shrimp, White	29,228	3
	Shrimp, Brown	11,308	4
	Clams, Hard	4,881	5

*** Indicates confidential data.

Table II.5 Top five species landed by waterbody (continued).

2020			
Waterbody	Species	Pounds	Rank
Ocean 0-3 mi, N of Cape Hatteras	Shrimp, White	1,705,955	1
	Sharks, Dogfishes	774,564	2
	Kingfishes	101,342	3
	Sharks	99,805	4
	Mackerel, Spanish	77,216	5
Ocean 0-3 mi, S of Cape Hatteras	Shrimp, White	2,541,840	1
	Sharks, Dogfishes	608,622	2
	Mackerel, Spanish	506,671	3
	Kingfishes	488,449	4
	Sharks	333,477	5
Ocean >3 mi, N of Cape Hatteras	Flounder, Summer	1,741,634	1
	Tunas	1,363,844	2
	Croaker, Atlantic	355,522	3
	Swordfish	307,521	4
	Bass, Sea	218,494	5
Ocean >3 mi, S of Cape Hatteras	Mackerel, King	416,661	1
	Tunas	296,181	2
	Snappers	276,348	3
	Sharks	236,968	4
	Groupers	196,941	5
Pamlico River	Blue Crabs, Hard	769,685	1
	Mullet, Striped	37,361	2
	Seatrout, Spotted	34,261	3
	Blue Crabs, Peeler	13,653	4
	Perch, White	10,019	5
Pamlico Sound	Shrimp, White	3,125,871	1
	Blue Crabs, Hard	1,799,516	2
	Shrimp, Brown	1,286,451	3
	Bluefish	633,615	4
	Mullet, Striped	475,781	5
Pasquotank River	Blue Crabs, Hard	154,930	1
	Catfishes	***	2
	Mullet, Striped	***	3
	Perch, White	***	4
	Flounder, Southern	***	5
Perquimans River	Blue Crabs, Hard	321,062	1
	Shad, Gizzard	4,185	2
	Catfishes	3,897	3
	Blue Crabs, Peeler	***	4
	Bass, Striped	1,191	5
Pungo River	Blue Crabs, Hard	209,786	1
	Menhaden, Atlantic	***	2
	Oysters	***	3
	Blue Crabs, Peeler	6,247	4
	Perch, White	5,674	5

*** Indicates confidential data.

Table II.5 Top five species landed by waterbody (continued).

2020			
Waterbody	Species	Pounds	Rank
Roanoke River	Catfishes	***	1
Roanoke Sound	Blue Crabs, Hard	457,481	1
	Mullet, Striped	35,735	2
	Blue Crabs, Soft	30,048	3
	Shrimp, Brown	15,326	4
	Menhaden, Atlantic	14,802	5
Shallotte River	Blue Crabs, Hard	***	1
	Oysters	10,665	2
	Clams, Hard	1,605	3
	Flounder, Southern	1,444	4
	Seatrout, Spotted	517	5
Stump Sound	Blue Crabs, Hard	171,144	1
	Oysters	107,740	2
	Shrimp, White	15,292	3
	Flounder, Southern	3,951	4
	Mullet, Striped	2,315	5
Topsail Sound	Blue Crabs, Hard	160,533	1
	Oysters	82,285	2
	Mullet, Striped	19,164	3
	Flounder, Southern	11,568	4
	Spot	11,088	5
White Oak River	Blue Crabs, Hard	43,620	1
	Mullet, Striped	6,837	2
	Seatrout, Spotted	6,328	3
	Spot	2,626	4
	Blue Crabs, Peeler	***	5

*** Indicates confidential data.

Table II.5 Top five species landed by waterbody (continued).

2019			
Waterbody	Species	Pounds	Rank
Albemarle Sound	Blue Crabs, Hard	8,348,460	1
	Catfishes	510,023	2
	Bass, Striped	106,959	3
	Mullet, Striped	99,583	4
	Blue Crabs, Peeler	97,223	5
Alligator River	Blue Crabs, Hard	1,835,207	1
	Blue Crabs, Peeler	46,291	2
	Catfishes	***	3
	Blue Crabs, Soft	***	4
	Menhaden, Atlantic	***	5
Back Bay (VA)	Blue Crabs, Hard	20,154	1
Bay River	Blue Crabs, Hard	107,965	1
	Seatrout, Spotted	46,780	2
	Oysters	30,323	3
	Mullet, Striped	24,661	4
	Flounder, Southern	9,057	5
Bogue Sound	Blue Crabs, Hard	149,521	1
	Mullet, Striped	78,548	2
	Shrimp, White	45,253	3
	Menhaden, Atlantic	37,623	4
	Seatrout, Spotted	28,511	5
Cape Fear River	Blue Crabs, Hard	649,330	1
	Flounder, Southern	27,418	2
	Shrimp, White	18,682	3
	Blue Crabs, Peeler	11,003	4
	Shrimp, Unclassified	9,158	5
Chowan River	Catfishes	619,732	1
	Shad, Gizzard	197,777	2
	Bass, Striped	13,165	3
	Perch, White	7,342	4
	Shad, American	1,369	5
Core Sound	Flounder, Southern	244,847	1
	Blue Crabs, Hard	211,184	2
	Oysters	210,945	3
	Mullet, Striped	178,609	4
	Spot	125,626	5
Croatan Sound	Blue Crabs, Hard	894,455	1
	Blue Crabs, Peeler	56,293	2
	Shrimp, Brown	28,058	3
	Blue Crabs, Soft	17,416	4
	Mullet, Striped	***	5

*** Indicates confidential data.

Table II.5 Top five species landed by waterbody (continued).

2019			
Waterbody	Species	Pounds	Rank
Currituck Sound	Blue Crabs, Hard	1,450,219	1
	Flounder, Southern	55,426	2
	Catfishes	35,588	3
	Blue Crabs, Peeler	27,742	4
	Perch, White	18,201	5
Inland Waterway (Brunswick)	Blue Crabs, Hard	55,675	1
	Mullet, Striped	17,918	2
	Seatrout, Spotted	16,792	3
	Flounder, Southern	11,362	4
	Spot	9,133	5
Inland Waterway (Onslow)	Blue Crabs, Hard	24,137	1
	Spot	6,507	2
	Mullet, Striped	5,143	3
	Oysters	4,470	4
	Shrimp, White	3,921	5
Lockwood's Folly River	Oysters	17,388	1
	Blue Crabs, Hard	12,465	2
	Flounder, Southern	4,608	3
	Seatrout, Spotted	4,110	4
	Mullet, Striped	1,288	5
Masonboro Sound	Blue Crabs, Hard	152,262	1
	Oysters	34,983	2
	Flounder, Southern	17,378	3
	Clams, Hard	11,590	4
	Spot	9,547	5
Neuse River	Blue Crabs, Hard	937,826	1
	Mullet, Striped	117,647	2
	Menhaden, Atlantic	82,459	3
	Shrimp, Brown	77,819	4
	Seatrout, Spotted	65,553	5
New River	Blue Crabs, Hard	280,240	1
	Shrimp, White	100,028	2
	Oysters	78,208	3
	Clams, Hard	21,050	4
	Flounder, Southern	12,634	5
Newport River	Blue Crabs, Hard	87,901	1
	Oysters	70,208	2
	Shrimp, White	61,617	3
	Mullet, Striped	15,116	4
	Shrimp, Brown	10,970	5
North River/Back Sound	Blue Crabs, Hard	45,652	1
	Oysters	45,467	2
	Shrimp, White	31,842	3
	Shrimp, Brown	6,902	4
	Clams, Hard	4,757	5

*** Indicates confidential data.

Table II.5 Top five species landed by waterbody (continued).

2019			
Waterbody	Species	Pounds	Rank
Ocean 0-3 mi, N of Cape Hatteras	Shrimp, White	2,426,612	1
	Sharks, Dogfishes	328,350	2
	Croaker, Atlantic	203,804	3
	Sharks	119,668	4
	Kingfishes	106,931	5
Ocean 0-3 mi, S of Cape Hatteras	Shrimp, White	3,473,463	1
	Sharks, Dogfishes	824,693	2
	Kingfishes	471,088	3
	Sharks	396,650	4
	Mackerel, Spanish	285,958	5
Ocean >3 mi, N of Cape Hatteras	Flounder, Summer	2,020,085	1
	Tunas	1,096,625	2
	Croaker, Atlantic	943,781	3
	Bass, Sea	279,008	4
	Scup	216,632	5
Ocean >3 mi, S of Cape Hatteras	Mackerel, King	479,849	1
	Snappers	422,786	2
	Groupers	297,482	3
	Sharks	295,159	4
	Tunas	248,211	5
Pamlico River	Blue Crabs, Hard	1,305,051	1
	Menhaden, Atlantic	41,027	2
	Seatrout, Spotted	19,321	3
	Mullet, Striped	12,009	4
	Blue Crabs, Peeler	11,682	5
Pamlico Sound	Blue Crabs, Hard	3,607,283	1
	Shrimp, White	1,623,491	2
	Shrimp, Brown	1,071,302	3
	Bluefish	642,929	4
	Mullet, Striped	561,209	5
Pasquotank River	Blue Crabs, Hard	153,691	1
	Catfishes	7,946	2
	Bass, Striped	5,583	3
	Shad, Gizzard	***	4
	Mullet, Striped	585	5
Perquimans River	Blue Crabs, Hard	199,795	1
	Catfishes	13,032	2
	Mullet, Striped	6,417	3
	Bass, Striped	5,696	4
	Shad, Gizzard	4,680	5
Pungo River	Blue Crabs, Hard	652,869	1
	Menhaden, Atlantic	20,392	2
	Perch, White	8,398	3
	Oysters	***	4
	Blue Crabs, Peeler	4,013	5

*** Indicates confidential data.

Table II.5 Top five species landed by waterbody (continued).

2019			
Waterbody	Species	Pounds	Rank
Roanoke River	Catfishes	***	1
Roanoke Sound	Blue Crabs, Hard	678,428	1
	Mullet, Striped	55,643	2
	Blue Crabs, Soft	45,048	3
	Blue Crabs, Peeler	22,454	4
	Shrimp, Brown	18,955	5
Shallotte River	Oysters	16,674	1
	Blue Crabs, Hard	***	2
	Clams, Hard	4,879	3
	Seatrout, Spotted	***	4
	Flounder, Southern	1,233	5
Stump Sound	Blue Crabs, Hard	195,986	1
	Oysters	76,139	2
	Flounder, Southern	4,694	3
	Mullet, Striped	3,044	4
	Shrimp, White	1,765	5
Topsail Sound	Blue Crabs, Hard	251,825	1
	Oysters	104,045	2
	Spot	19,531	3
	Clams, Hard	12,243	4
	Mullet, Striped	11,176	5
White Oak River	Blue Crabs, Hard	54,430	1
	Mullet, Striped	15,777	2
	Seatrout, Spotted	6,520	3
	Flounder, Southern	6,398	4
	Shrimp, Brown	***	5

*** Indicates confidential data.

Table II.6 Commercial oyster landings by year and bottom type.¹

Year	Private			Public			Total		
	Bushels ²	Value	Trips	Bushels ²	Value	Trips	Bushels ²	Value	Trips
2023	171,997	\$4,480,507	4,220	55,127	\$2,564,312	11,452	227,124	\$7,044,819	15,671
2022	161,786	\$4,113,059	5,057	54,342	\$2,573,864	11,717	216,127	\$6,686,923	16,774
2021	181,597	\$4,574,900	4,652	50,412	\$2,329,414	10,348	232,009	\$6,904,315	15,000
2020	112,651	\$2,597,828	3,406	44,080	\$1,955,819	9,838	156,731	\$4,553,647	13,242
2019	112,845	\$2,914,145	3,535	44,567	\$1,975,317	11,196	157,412	\$4,889,462	14,730
2018	76,589	\$2,028,816	2,575	41,611	\$1,806,058	9,880	118,200	\$3,834,874	12,454
2017	87,409	\$2,472,045	2,535	73,809	\$3,162,848	14,999	161,219	\$5,634,893	17,532
2016	57,783	\$1,123,516	2,108	68,573	\$2,967,639	14,295	126,356	\$4,091,155	16,403
2015	30,890	\$517,342	1,399	91,689	\$3,419,230	15,748	122,579	\$3,936,572	17,145
2014	21,246	\$452,086	1,569	116,330	\$4,092,151	18,959	137,576	\$4,544,236	20,528

¹Totals trips may not equal the sum of private trips and public trips due to some trips recording harvest from both bottom types.

²Oysters are reported to the Trip Ticket Program as either bushels or numbers. When numbers are reported, a conversion factor of 0.13 is applied to estimate the pounds of meat per oyster. A conversion factor of 5.29 pounds of meat per bushel is used to estimate bushels from oysters reported by number. This differs from the Lease Program, which uses a count of 300 oysters per bushel.

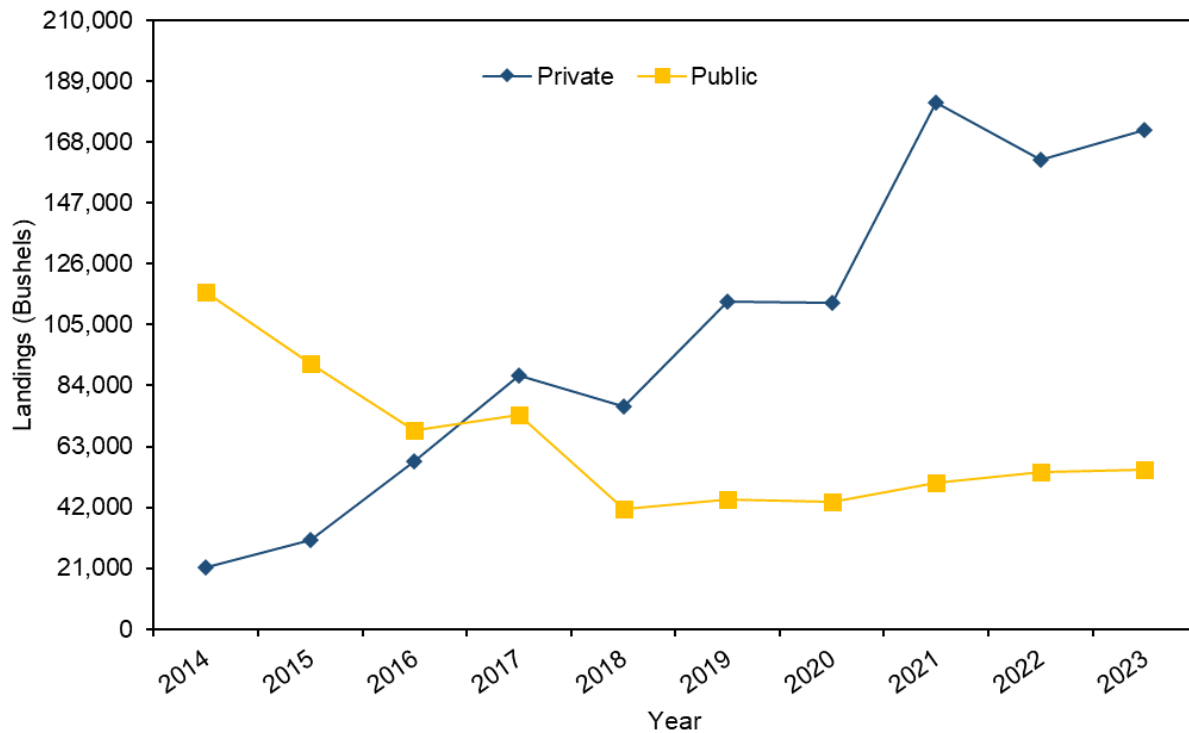


Figure II.3 Commercial oyster landings by bottom type.

Table II.7 Commercial Hard Clam landings by year and bottom type.¹

Year	Private			Public			Total		
	Numbers	Value	Trips	Numbers	Value	Trips	Numbers	Value	Trips
2023	836,026	202,861	727	2,885,931	610,993	5,124	3,721,957	813,853	5,851
2022	597,378	257,744	471	3,825,604	889,910	6,227	4,422,982	1,147,654	6,696
2021	750,383	174,186	547	3,552,306	730,276	5,160	4,302,689	904,462	5,671
2020	279,316	102,933	361	3,427,973	798,592	5,441	3,707,289	901,525	5,802
2019	727,025	146,594	505	5,419,544	969,011	8,149	6,146,569	1,115,605	8,633
2018	1,029,103	160,780	629	9,488,573	1,467,218	12,212	10,517,676	1,627,998	12,829
2017	1,261,692	206,504	851	13,156,288	1,967,987	18,201	14,417,980	2,174,491	19,050
2016	1,337,003	206,494	859	16,047,410	2,371,625	19,616	17,384,413	2,578,120	20,470
2015	1,597,547	299,958	980	19,529,036	4,739,014	20,418	21,126,582	5,038,973	21,398
2014	1,901,877	223,066	1,275	20,538,741	2,643,030	18,375	22,440,617	2,866,096	19,647

¹Totals trips may not equal the sum of private trips and public trips due to some trips recording harvest from both bottom types.

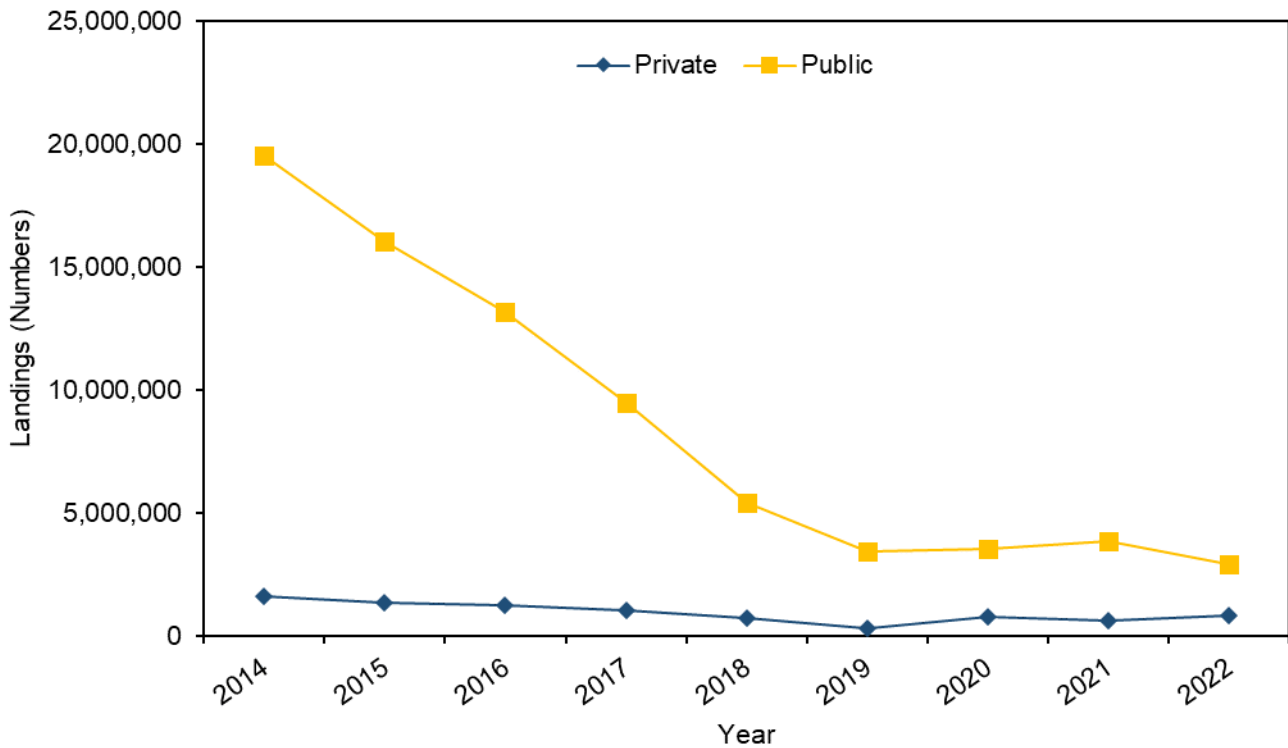


Figure II.4 Commercial hard clam landings by bottom type.

Table II.8 Commercial seafood landings by county of landing.

County	2023		2022		2021	
	Pounds	Value	Pounds	Value	Pounds	Value
Beaufort	1,355,002	\$1,941,376	1,034,060	\$1,813,252	1,440,295	\$2,600,813
Bertie	0	\$0	***	***	***	***
Brunswick	822,461	\$3,008,177	768,915	\$2,836,480	1,112,700	\$3,790,950
Camden	2,212,816	\$2,799,126	1,076,378	\$1,737,338	1,835,382	\$3,779,718
Carteret	7,133,881	\$14,556,960	6,083,212	\$13,482,026	7,302,856	\$17,674,285
Chowan	858,439	\$355,477	822,865	\$257,987	872,702	\$265,344
Craven	277,024	\$546,497	308,887	\$1,219,196	313,076	\$791,718
Currituck	1,980,816	\$2,503,889	1,323,243	\$2,085,477	1,412,362	\$2,653,862
Dare	10,799,962	\$20,273,193	9,851,772	\$21,000,573	10,879,225	\$22,593,918
Hertford	***	***	***	***	***	***
Hyde	4,998,219	\$7,618,659	3,728,332	\$6,719,026	4,407,157	\$8,984,023
Inland Counties ¹	346,037	\$388,708	1,022,653	\$1,213,416	1,047,271	\$1,365,665
New Hanover	1,471,582	\$3,334,264	1,192,169	\$3,027,112	1,133,479	\$2,884,073
Onslow	1,105,970	\$2,764,613	991,067	\$2,701,296	1,276,216	\$3,658,302
Pamlico	2,111,140	\$4,385,129	2,291,413	\$4,591,467	4,107,614	\$11,050,579
Pasquotank	582,213	\$539,727	***	***	***	***
Pender	894,345	\$2,179,839	839,811	\$2,202,430	882,314	\$2,358,716
Perquimans	1,526,830	\$1,593,891	1,389,712	\$1,364,884	1,089,089	\$1,136,325
Tyrrell	4,209,743	\$5,151,507	2,244,852	\$2,360,375	3,260,218	\$4,201,310
Washington	***	***	***	***	***	***

County	2020		2019		2018	
	Pounds	Value	Pounds	Value	Pounds	Value
Beaufort	1,513,641	\$2,391,462	2,279,622	\$2,378,045	2,096,939	\$2,307,721
Bertie	***	***	***	***	***	***
Brunswick	1,078,623	\$3,204,709	1,652,079	\$4,878,701	1,113,915	\$3,278,621
Camden	1,495,670	\$2,557,531	2,844,898	\$3,456,794	2,363,115	\$2,736,295
Carteret	7,389,067	\$16,770,078	7,440,927	\$18,663,688	6,743,677	\$16,597,862
Chowan	921,665	\$311,424	989,991	\$300,643	792,796	\$299,936
Craven	349,559	\$678,947	373,948	\$657,717	389,913	\$629,376
Currituck	1,217,624	\$1,787,323	1,643,501	\$1,851,977	1,344,051	\$1,571,343
Dare	12,311,157	\$18,790,150	13,967,431	\$19,823,927	12,619,148	\$19,271,530
Hertford	0	\$0	***	***	***	***
Hyde	4,820,304	\$8,214,279	6,454,595	\$9,210,140	6,385,772	\$10,817,966
Inland Counties ¹	168,230	\$374,686	119,331	\$331,813	114,572	\$241,251
New Hanover	1,248,900	\$2,790,606	1,477,291	\$3,022,185	1,036,233	\$2,236,024
Onslow	1,280,782	\$3,536,792	2,058,937	\$5,369,638	1,460,036	\$3,582,051
Pamlico	4,177,019	\$9,157,743	4,239,713	\$9,040,913	3,726,906	\$8,051,828
Pasquotank	412,012	\$494,551	625,129	\$688,648	672,481	\$796,834
Pender	859,216	\$2,040,403	778,964	\$1,625,648	609,985	\$1,354,538
Perquimans	1,040,509	\$1,152,928	1,375,277	\$1,441,073	1,612,047	\$1,922,785
Tyrrell	2,695,701	\$3,276,519	4,779,513	\$4,100,869	2,684,793	\$2,149,152
Washington	***	***	0	\$0	0	\$0

*** Indicates confidential data.

¹Confidential data were added to "Inland Counties" totals.

Table II.8 Commercial seafood landings by county of landing (continued).

County	2017		2016		2015	
	Pounds	Value	Pounds	Value	Pounds	Value
Beaufort	2,489,730	\$2,636,031	3,404,104	\$3,224,480	4,495,364	\$4,932,428
Bertie	***	***	***	***	***	***
Brunswick	1,648,618	\$4,558,704	1,669,337	\$4,519,352	1,278,243	\$3,204,982
Camden	2,916,790	\$3,884,037	3,371,202	\$3,696,546	5,446,271	\$5,343,108
Carteret	8,682,629	\$20,669,552	7,999,971	\$18,219,584	8,661,886	\$18,307,561
Chowan	735,952	\$304,320	685,110	\$237,713	591,584	\$219,963
Craven	324,944	\$442,415	391,139	\$518,017	498,110	\$710,452
Currituck	1,416,051	\$1,699,968	1,542,398	\$1,677,367	1,914,901	\$2,196,555
Dare	14,138,748	\$23,683,749	16,100,333	\$21,279,105	18,184,762	\$20,975,965
Hertford	***	***	***	***	15,305	\$7,175
Hyde	7,316,600	\$12,818,311	7,860,845	\$12,864,331	6,753,795	\$10,981,681
Inland Counties ¹	158,370	\$332,580	185,001	\$355,267	200,443	\$351,430
New Hanover	1,259,341	\$2,699,377	1,254,588	\$2,411,557	1,071,911	\$2,094,550
Onslow	2,316,563	\$5,794,726	2,568,549	\$6,574,507	1,822,159	\$6,034,795
Pamlico	4,281,749	\$9,919,977	4,415,991	\$10,592,524	4,054,267	\$8,503,740
Pasquotank	892,232	\$1,154,145	1,552,129	\$1,631,780	1,923,425	\$2,028,290
Pender	845,685	\$1,929,209	892,147	\$1,808,730	891,802	\$1,724,204
Perquimans	1,570,223	\$1,770,108	1,388,517	\$1,632,778	1,738,222	\$2,226,655
Tyrrell	3,430,334	\$2,397,800	4,714,422	\$2,928,358	6,427,149	\$4,922,453
Washington	0	\$0	***	***	0	\$0

County	2014	
	Pounds	Value
Beaufort	3,249,440	\$4,403,721
Bertie	***	***
Brunswick	1,112,667	\$2,909,351
Camden	4,630,240	\$6,091,805
Carteret	7,299,214	\$14,583,443
Chowan	446,182	\$199,679
Craven	389,014	\$608,256
Currituck	2,079,441	\$2,944,797
Dare	22,252,532	\$26,596,445
Hertford	***	***
Hyde	5,239,588	\$10,352,880
Inland Counties ¹	219,048	\$367,843
New Hanover	1,252,362	\$2,386,070
Onslow	1,706,415	\$4,639,413
Pamlico	2,543,438	\$6,568,849
Pasquotank	1,989,500	\$2,660,992
Pender	830,158	\$1,611,802
Perquimans	1,693,013	\$2,560,722
Tyrrell	5,072,978	\$4,727,104
Washington	0	\$0

*** Indicates confidential data.

¹Confidential data were added to "Inland Counties" totals.

Table II.9 Commercial seafood landings by dealer city.

County	Dealer City ¹	2023		2022	
		Pounds	Value	Pounds	Value
Beaufort	Aurora/Blounts Creek	260,113	\$389,272	238,393	\$435,445
	Bath	180,413	\$269,357	148,484	\$273,750
	Beaufort Other	79	\$707	367	\$1,140
	Belhaven	749,850	\$1,014,031	454,566	\$730,343
	Washington	164,546	\$268,008	192,251	\$372,573
Bertie	Bertie Other	***	***	***	***
Brunswick	Brunswick Other	23,502	\$74,022	1,060	\$1,956
	Calabash	103,723	\$209,519	87,323	\$193,952
	Shalotte	611,216	\$2,405,247	567,960	\$2,216,167
	Southport	84,021	\$319,389	112,572	\$424,405
Camden	Camden Other	524	\$5,217	1,869	\$13,312
	Shiloh	2,212,292	\$2,793,909	1,074,509	\$1,724,026
Carteret	Bogue Banks	77,573	\$198,424	67,836	\$152,710
	Carteret Other	389,878	\$744,010	383,823	\$676,949
	Downeast Communities	1,225,589	\$2,028,396	1,123,077	\$1,952,554
	Morehead City/Beaufort	5,162,656	\$10,612,606	4,336,251	\$9,877,005
	Western Carteret	278,185	\$973,524	172,225	\$822,809
Chowan	Chowan Other	858,439	\$355,477	822,865	\$257,987
	Edenton	***	***	***	***
Craven	Craven Other	2,362	\$8,379	996	\$7,126
	Havelock	0	\$0	0	\$0
	New Bern/Bridgeton	274,662	\$538,118	307,892	\$1,212,070
Currituck	Central Currituck	306,402	\$408,551	188,058	\$320,397
	Currituck Other	5,907	\$7,446	8,790	\$16,216
	Knotts Island/Corolla	206,216	\$250,937	79,636	\$151,116
	Moyock/Barco	1,055,104	\$1,337,347	855,090	\$1,281,894
	Southern Currituck	407,186	\$499,607	191,670	\$315,854
Dare	Bodie Island	85,512	\$139,388	78,337	\$125,313
	Dare Other	622,106	\$972,071	400,261	\$1,182,104
	Hatteras Island	1,998,841	\$2,976,710	2,174,430	\$3,291,323
	Mainland Dare	1,393,138	\$2,471,406	1,189,492	\$1,929,700
	Manteo	15,133	\$67,328	0	\$0
	Wanchese	6,685,233	\$13,646,290	6,009,251	\$14,472,133
Hertford	Hertford Other	***	***	***	***
Hyde	Engelhard	2,409,227	\$4,261,468	1,865,655	\$3,786,679
	Hyde Other	100,071	\$194,931	31,068	\$132,298
	Ocracoke	428,478	\$480,003	457,625	\$551,132
	Swan Quarter	2,060,443	\$2,682,257	1,373,984	\$2,248,917
New Hanover	New Hanover Other	3,803	\$21,027	1,802	\$10,304
	Wilmington Area	1,467,779	\$3,313,237	1,190,367	\$3,016,808
Onslow	Hubert	51,142	\$80,006	43,261	\$58,396
	Jacksonville	36,921	\$74,452	57,881	\$114,478
	Onslow Other	34,449	\$88,821	28,912	\$51,314
	Sneads Ferry	902,803	\$2,253,760	738,545	\$2,057,902
	Swansboro	80,656	\$267,575	122,468	\$419,206
Pamlico	Arapahoe	83,281	\$152,590	63,547	\$100,592
	Bayboro/Alliance/Grantsboro/Stonewall	142,253	\$249,853	124,006	\$281,597
	Hobucken/Lowland	258,716	\$570,406	313,767	\$916,987
	Merritt	193,214	\$343,073	207,477	\$313,273
	Oriental	1,257,032	\$2,588,683	1,285,403	\$2,386,658
	Pamlico Other	176,645	\$480,525	297,212	\$592,361
Pasquotank	Vandemere	***	***	***	***
	Elizabeth City	582,213	\$539,727	***	***
	Pasquotank Other	0	\$0	441,984	\$473,074
Pender	Burgaw	101,750	\$251,751	93,827	\$287,189
	Hampstead	574,958	\$1,453,395	515,872	\$1,404,595
	Pender Other	217,636	\$474,693	230,112	\$510,645

*** Indicates confidential data.

Table II.9 Commercial seafood landings by dealer city (continued).

County	Dealer City ¹	2023		2022	
		Pounds	Value	Pounds	Value
Perquimans	Hertford	1,375,528	\$1,521,722	1,154,432	\$1,294,757
	Perquimans Other	151,302	\$72,169	235,280	\$70,127
Tyrrell	Columbia	4,209,296	\$5,150,957	2,244,852	\$2,360,375
	Tyrrell Other	447	\$550	0	\$0
Washington	Plymouth	***	***	***	***
	Roper	0	\$0	0	\$0
	Washington Other	261,665	\$140,672	490,697	\$458,746

*** Indicates confidential data.

¹This table includes dealer cities in coastal counties. For this table some cities were grouped together in the following combination:

- 1) Bath = Bath and Pinetown
- 2) Belhaven = Belhaven and Pantego
- 3) Bodie Island = Kill Devil Hills, Nags Head, and Kitty Hawk
- 4) Bogue Banks = Atlantic Beach, Emerald Isle, Pine Knoll Shores, and Salter Path
- 5) Burgaw = Burgaw, Atkinson, Currie, Rocky Point, and Willard
- 6) Calabash = Longwood, Ocean Isle, Stantonburg, Sunset, Ash, Sunset Beach, and Calabash
- 7) Central Currituck = Coinjock, Aydlett, Poplar Branch, and Grandy
- 8) Downeast Communities = Harkers Island, Gloucester, Marshallberg, Atlantic, Sea Level, Davis, Cedar Island, Smyrna, Stacy, and Williston
- 9) Hampstead = Hampstead, Surf City, Topsail, and Hampton
- 10) Hatteras Island = Rodanthe, Waves, Salvo, Avon, Buxton, Frisco, and Hatteras
- 11) Mainland Dare = Manns Harbor, Stumpy Point, and East Lake
- 12) Moyock/Barco = Moyock, Shawboro, Currituck, Maple, and Barco
- 13) Shallotte = Bolivia, Holden Beach, Varnamtown, Winnabow, Leland, Supply, and Shallotte
- 14) Southern Currituck = Jarvisburg, Powells Point, Harbinger, and Point Harbor
- 15) Southport = Boiling Spring Lakes, Long Beach, Oak Island, Yaupon Beach, and Southport
- 16) Washington = Washington and Chocowinity
- 17) Western Carteret = Newport, Cape Carteret, and Cedar Point
- 18) Wilmington Area = Wilmington, Carolina Beach, Castle Hayne, Kure Beach, and Wrightsville Beach

Table II.9 Commercial seafood landings by dealer city (continued).

County	Dealer City ¹	2021		2020	
		Pounds	Value	Pounds	Value
Beaufort	Aurora/Blounts Creek	***	***	349,906	\$591,939
	Bath	245,685	\$514,452	200,640	\$361,846
	Beaufort Other	351,959	\$650,737	26,023	\$40,737
	Belhaven	535,133	\$826,955	517,504	\$654,081
	Washington	307,518	\$608,670	419,569	\$742,858
Bertie	Bertie Other	***	***	***	***
Brunswick	Brunswick Other	0	\$0	8,794	\$16,110
	Calabash	93,076	\$214,938	102,873	\$211,442
	Shalotte	869,288	\$3,056,709	779,136	\$2,468,996
	Southport	150,336	\$519,303	187,820	\$508,161
Camden	Camden Other	2,084	\$16,137	3,562	\$9,352
	Shiloh	1,833,298	\$3,763,581	1,492,108	\$2,548,179
Carteret	Bogue Banks	99,153	\$223,042	210,491	\$589,349
	Carteret Other	345,227	\$747,465	293,977	\$528,793
	Downeast Communities	1,255,704	\$2,496,584	1,185,509	\$2,176,415
	Morehead City/Beaufort	5,426,918	\$13,492,394	5,530,872	\$12,995,772
	Western Carteret	175,853	\$714,801	168,217	\$479,749
Chowan	Chowan Other	872,702	\$265,344	921,665	\$311,424
	Edenton	***	***	***	***
Craven	Craven Other	2,714	\$14,630	2,480	\$11,965
	Havelock	***	***	0	\$0
	New Bern/Bridgeton	310,363	\$777,088	347,080	\$666,981
Currituck	Central Currituck	205,716	\$389,894	161,409	\$239,973
	Currituck Other	0	\$0	14,380	\$22,116
	Knotts Island/Corolla	193,949	\$358,562	77,252	\$110,558
	Moyock/Barco	765,734	\$1,390,084	701,446	\$996,788
	Southern Currituck	246,963	\$515,322	263,138	\$417,888
Dare	Bodie Island	78,231	\$106,882	70,834	\$104,437
	Dare Other	596,464	\$1,864,103	605,807	\$1,215,557
	Hatteras Island	2,466,291	\$3,333,799	3,040,489	\$3,300,542
	Mainland Dare	1,025,833	\$2,186,751	987,124	\$1,650,840
	Manteo	158,589	\$487,272	180,662	\$412,553
Hertford	Wanchese	6,553,818	\$14,615,111	7,426,242	\$12,106,221
	Hertford Other	***	***	***	***
Hyde	Engelhard	2,097,746	\$5,007,610	2,619,897	\$4,966,954
	Hyde Other	21,429	\$86,911	35,365	\$99,134
	Ocracoke	452,053	\$630,373	349,146	\$442,162
	Swan Quarter	1,835,929	\$3,259,129	1,815,895	\$2,706,028
	New Hanover Other	0	\$0	40,994	\$87,787
New Hanover	Wilmington Area	1,133,479	\$2,884,073	1,207,906	\$2,702,818
	Hubert	35,391	\$60,416	15,915	\$37,454
Onslow	Jacksonville	58,073	\$102,145	78,603	\$120,358
	Onslow Other	29,051	\$62,813	75,415	\$201,246
	Sneads Ferry	1,023,605	\$3,018,227	984,536	\$2,778,976
	Swansboro	130,096	\$414,702	126,313	\$398,757
	Arapahoe	***	***	28,106	\$46,528
Pamlico	Bayboro/Alliance/Grantsboro/Stonewall	264,181	\$756,526	84,616	\$224,787
	Hobucken/Lowland	935,898	\$2,799,797	982,917	\$2,260,574
	Merritt	209,260	\$302,849	301,617	\$367,818
	Oriental	2,419,757	\$6,609,354	2,395,238	\$5,412,251
	Pamlico Other	278,518	\$582,053	384,525	\$845,784
	Vandemere	***	***	***	***
	Elizabeth City	***	***	412,012	\$494,551
Pasquotank	Pasquotank Other	284,576	\$411,324	0	\$0
	Burgaw	96,928	\$238,621	103,355	\$245,220
Pender	Hampstead	617,922	\$1,751,122	612,565	\$1,432,926
	Pender Other	167,464	\$368,973	143,296	\$362,257

*** Indicates confidential data.

Table II.9 Commercial seafood landings by dealer city (continued).

County	Dealer City ¹	2021		2020	
		Pounds	Value	Pounds	Value
Perquimans	Hertford	888,392	\$1,073,275	914,358	\$1,087,085
	Perquimans Other	200,697	\$63,049	126,151	\$65,843
Tyrrell	Columbia	3,260,218	\$4,201,310	2,695,701	\$3,276,519
	Tyrrell Other	0	\$0	0	\$0
Washington	Plymouth	***	***	***	***
	Roper	0	\$0	0	\$0
	Washington Other	682,045	\$688,936	58,138	\$105,502

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¹This table includes dealer cities in coastal counties. For this table some cities were grouped together in the following combination:

- 1) Bath = Bath and Pinetown
- 2) Belhaven = Belhaven and Pantego
- 3) Bodie Island = Kill Devil Hills, Nags Head, and Kitty Hawk
- 4) Bogue Banks = Atlantic Beach, Emerald Isle, Pine Knoll Shores, and Salter Path
- 5) Burgaw = Burgaw, Atkinson, Currie, Rocky Point, and Willard
- 6) Calabash = Longwood, Ocean Isle, Stantonburg, Sunset, Ash, Sunset Beach, and Calabash
- 7) Central Currituck = Coinjock, Aydlett, Poplar Branch, and Grandy
- 8) Downeast Communities = Harkers Island, Gloucester, Marshallberg, Atlantic, Sea Level, Davis, Cedar Island, Smyrna, Stacy, and Williston
- 9) Hampstead = Hampstead, Surf City, Topsail, and Hampton
- 10) Hatteras Island = Rodanthe, Waves, Salvo, Avon, Buxton, Frisco, and Hatteras
- 11) Mainland Dare = Manns Harbor, Stumpy Point, and East Lake
- 12) Moyock/Barco = Moyock, Shawboro, Currituck, Maple, and Barco
- 13) Shallotte = Bolivia, Holden Beach, Varnamtown, Winnabow, Leland, Supply, and Shallotte
- 14) Southern Currituck = Jarvisburg, Powells Point, Harbinger, and Point Harbor
- 15) Southport = Boiling Spring Lakes, Long Beach, Oak Island, Yaupon Beach, and Southport
- 16) Washington = Washington and Chocowinity
- 17) Western Carteret = Newport, Cape Carteret, and Cedar Point
- 18) Wilmington Area = Wilmington, Carolina Beach, Castle Hayne, Kure Beach, and Wrightsville Beach

Table II.9 Commercial seafood landings by dealer city (continued).

County	Dealer City ¹	2019		2018	
		Pounds	Value	Pounds	Value
Beaufort	Aurora/Blounts Creek	646,516	\$686,993	623,497	\$742,857
	Bath	705,013	\$677,935	638,075	\$640,088
	Beaufort Other	19	\$64	0	\$0
	Belhaven	366,450	\$314,442	407,749	\$436,198
	Washington	561,623	\$698,610	427,618	\$488,578
Bertie	Bertie Other	***	***	***	***
Brunswick	Brunswick Other	25	\$63	463	\$625
	Calabash	151,063	\$337,295	95,868	\$212,719
	Shalotte	1,159,351	\$3,533,461	752,042	\$2,287,429
	Southport	341,640	\$1,007,882	265,542	\$777,847
Camden	Camden Other	1,025	\$4,112	10,117	\$13,388
Carteret	Shiloh	2,843,873	\$3,452,682	2,352,998	\$2,722,907
	Bogue Banks	170,247	\$466,072	104,689	\$244,599
	Carteret Other	414,344	\$1,035,044	440,986	\$812,647
	Downeast Communities	1,217,784	\$2,352,334	1,094,028	\$2,094,398
	Morehead City/Beaufort	5,458,977	\$14,317,421	4,943,937	\$13,043,235
Chowan	Western Carteret	179,574	\$492,816	160,036	\$402,984
	Chowan Other	989,991	\$300,643	792,796	\$299,936
	Edenton	***	***	***	***
Craven	Craven Other	15,955	\$76,276	24,622	\$110,734
	Havelock	***	***	2,112	\$2,928
	New Bern/Bridgeton	357,993	\$581,441	363,179	\$515,714
Currituck	Central Currituck	***	***	91,020	\$101,939
	Currituck Other	190,303	\$229,580	1,680	\$1,984
	Knotts Island/Corolla	222,384	\$214,969	215,116	\$254,406
	Moyock/Barco	841,543	\$983,460	665,111	\$826,557
	Southern Currituck	389,271	\$423,967	371,124	\$386,458
Dare	Bodie Island	76,505	\$152,954	102,953	\$192,317
	Dare Other	1,214,284	\$1,800,724	1,028,250	\$1,952,554
	Hatteras Island	3,646,996	\$3,582,611	3,536,713	\$3,329,783
	Mainland Dare	1,287,020	\$1,970,581	960,480	\$1,357,753
	Manteo	133,808	\$314,854	144,590	\$353,818
	Wanchese	7,608,817	\$12,002,204	6,846,162	\$12,085,306
Hertford	Hertford Other	***	***	***	***
Hyde	Engelhard	2,720,127	\$5,175,234	2,996,790	\$5,823,851
	Hyde Other	6,783	\$27,046	2,070	\$8,741
	Ocracoke	400,378	\$567,715	457,548	\$969,118
	Swan Quarter	3,327,308	\$3,440,146	2,929,364	\$4,016,256
New Hanover	New Hanover Other	1,974	\$9,325	202	\$1,296
	Wilmington Area	1,475,316	\$3,012,861	1,036,031	\$2,234,728
Onslow	Hubert	8,612	\$21,059	12,147	\$22,667
	Jacksonville	87,196	\$131,034	71,729	\$107,634
	Onslow Other	50,514	\$145,477	39,396	\$78,917
	Sneads Ferry	1,748,519	\$4,605,861	1,174,263	\$2,789,609
	Swansboro	164,096	\$466,207	162,502	\$583,223
Pamlico	Arapahoe	27,384	\$42,058	50,166	\$91,024
	Bayboro/Alliance/Grantsboro/Stonewall	32,208	\$96,517	51,783	\$155,485
	Hobucken/Lowland	1,053,004	\$2,529,946	857,346	\$2,366,302
	Merritt	357,606	\$361,591	395,171	\$358,303
	Oriental	2,338,839	\$5,008,613	2,152,888	\$4,676,438
	Pamlico Other	430,672	\$1,002,187	219,552	\$404,277
	Vandemere	***	***	***	***
Pasquotank	Elizabeth City	625,129	\$688,648	671,147	\$794,667
	Pasquotank Other	0	\$0	1,334	\$2,168
Pender	Burgaw	78,435	\$176,592	46,052	\$117,050
	Hampstead	591,317	\$1,139,343	479,161	\$977,944
	Pender Other	109,212	\$309,713	84,772	\$259,544

*** Indicates confidential data.

Table II.9 Commercial seafood landings by dealer city (continued).

County	Dealer City ¹	2019		2018	
		Pounds	Value	Pounds	Value
Perquimans	Hertford	1,192,244	\$1,288,333	1,343,483	\$1,656,269
	Perquimans Other	183,033	\$152,740	268,564	\$266,516
Tyrrell	Columbia	4,779,513	\$4,100,869	2,684,793	\$2,149,152
	Tyrrell Other	0	\$0	0	\$0
Washington	Plymouth	0	\$0	0	\$0
	Roper	0	\$0	0	\$0
	Washington Other	0	\$0	0	\$0

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¹This table includes dealer cities in coastal counties. For this table some cities were grouped together in the following combination:

- 1) Bath = Bath and Pinetown
- 2) Belhaven = Belhaven and Pantego
- 3) Bodie Island = Kill Devil Hills, Nags Head, and Kitty Hawk
- 4) Bogue Banks = Atlantic Beach, Emerald Isle, Pine Knoll Shores, and Salter Path
- 5) Burgaw = Burgaw, Atkinson, Currie, Rocky Point, and Willard
- 6) Calabash = Longwood, Ocean Isle, Stantonburg, Sunset, Ash, Sunset Beach, and Calabash
- 7) Central Currituck = Coinjock, Aydlett, Poplar Branch, and Grandy
- 8) Downeast Communities = Harkers Island, Gloucester, Marshallberg, Atlantic, Sea Level, Davis, Cedar Island, Smyrna, Stacy, and Williston
- 9) Hampstead = Hampstead, Surf City, Topsail, and Hampton
- 10) Hatteras Island = Rodanthe, Waves, Salvo, Avon, Buxton, Frisco, and Hatteras
- 11) Mainland Dare = Manns Harbor, Stumpy Point, and East Lake
- 12) Moyock/Barco = Moyock, Shawboro, Currituck, Maple, and Barco
- 13) Shallotte = Bolivia, Holden Beach, Varnamtown, Winnabow, Leland, Supply, and Shallotte
- 14) Southern Currituck = Jarvisburg, Powells Point, Harbinger, and Point Harbor
- 15) Southport = Boiling Spring Lakes, Long Beach, Oak Island, Yaupon Beach, and Southport
- 16) Washington = Washington and Chocowinity
- 17) Western Carteret = Newport, Cape Carteret, and Cedar Point
- 18) Wilmington Area = Wilmington, Carolina Beach, Castle Hayne, Kure Beach, and Wrightsville Beach

Table II.9 Commercial seafood landings by dealer city (continued).

County	Dealer City ¹	2017		2016	
		Pounds	Value	Pounds	Value
Beaufort	Aurora/Blounts Creek	765,588	\$842,513	956,028	\$843,830
	Bath	611,254	\$577,587	1,021,248	\$856,214
	Beaufort Other	0	\$0	1,087	\$2,593
	Belhaven	646,079	\$642,637	866,889	\$887,813
	Washington	466,810	\$573,294	558,852	\$634,030
Bertie	Bertie Other	***	***	***	***
Brunswick	Brunswick Other	80	\$89	142	\$519
	Calabash	162,099	\$367,406	182,033	\$364,627
	Shalotte	1,119,436	\$3,174,034	1,135,391	\$3,183,367
	Southport	367,003	\$1,017,175	351,771	\$970,839
Camden	Camden Other	800	\$7,000	0	\$0
	Shiloh	2,915,990	\$3,877,037	3,371,202	\$3,696,546
Carteret	Bogue Banks	92,193	\$200,951	98,219	\$178,756
	Carteret Other	400,771	\$843,061	304,769	\$678,463
	Downeast Communities	1,505,449	\$3,263,126	1,283,739	\$2,447,181
	Morehead City/Beaufort	6,544,263	\$15,951,459	6,086,306	\$14,486,751
	Western Carteret	139,953	\$410,955	226,939	\$428,433
Chowan	Chowan Other	735,952	\$304,320	164,413	\$56,092
	Edenton	***	***	520,697	\$181,621
Craven	Craven Other	3,418	\$5,271	2,849	\$4,939
	Havelock	***	***	4,607	\$7,519
	New Bern/Bridgeton	321,526	\$437,144	383,683	\$505,559
Currituck	Central Currituck	115,136	\$125,775	149,431	\$182,105
	Currituck Other	2,773	\$3,128	12,337	\$12,399
	Knotts Island/Corolla	36,896	\$42,539	136,986	\$160,378
	Moyock/Barco	817,240	\$1,021,496	912,573	\$973,639
	Southern Currituck	444,006	\$507,031	331,071	\$348,845
Dare	Bodie Island	105,344	\$304,118	89,847	\$228,875
	Dare Other	1,060,454	\$2,238,164	1,439,196	\$2,159,504
	Hatteras Island	2,868,394	\$3,679,550	3,763,312	\$3,283,973
	Mainland Dare	436,654	\$880,959	190,758	\$413,829
	Manteo	149,074	\$326,831	220,171	\$468,030
	Wanchese	9,518,827	\$16,254,127	10,397,049	\$14,724,895
Hertford	Hertford Other	***	***	***	***
Hyde	Engelhard	3,870,246	\$7,611,885	4,127,395	\$7,507,651
	Hyde Other	859	\$1,538	1,178	\$3,159
	Ocracoke	428,265	\$855,378	436,738	\$748,385
	Swan Quarter	3,017,230	\$4,349,511	3,295,534	\$4,605,136
	New Hanover Other	4,689	\$14,430	136	\$521
	Wilmington Area	1,254,652	\$2,684,946	1,254,453	\$2,411,036
Onslow	Hubert	19,235	\$36,155	22,541	\$21,877
	Jacksonville	64,737	\$98,636	115,211	\$167,838
	Onslow Other	50,624	\$105,682	59,740	\$133,616
	Sneads Ferry	1,962,805	\$4,798,496	2,087,397	\$5,259,819
	Swansboro	219,160	\$755,757	283,660	\$991,357
Pamlico	Arapahoe	61,567	\$80,419	62,203	\$101,772
	Bayboro/Alliance/Grantsboro/Stonewall	194,100	\$1,045,173	353,988	\$687,134
	Hobucken/Lowland	1,274,882	\$3,079,801	1,566,816	\$4,691,929
	Merritt	315,826	\$374,338	386,148	\$425,353
	Oriental	2,123,299	\$4,686,105	2,040,637	\$4,664,431
	Pamlico Other	312,076	\$654,142	6,198	\$21,905
	Vandemere	***	***	***	***
Pasquotank	Elizabeth City	892,232	\$1,154,145	1,552,129	\$1,631,780
	Pasquotank Other	0	\$0	0	\$0
Pender	Burgaw	70,921	\$163,874	74,130	\$146,146
	Hampstead	683,609	\$1,546,025	762,039	\$1,540,385
	Pender Other	91,155	\$219,310	55,978	\$122,199

*** Indicates confidential data.

Table II.9 Commercial seafood landings by dealer city (continued).

County	Dealer City ¹	2017		2016	
		Pounds	Value	Pounds	Value
Perquimans	Hertford	1,368,750	\$1,573,709	1,299,983	\$1,551,068
	Perquimans Other	201,473	\$196,400	88,534	\$81,711
Tyrrell	Columbia	3,430,334	\$2,397,800	4,714,422	\$2,928,358
	Tyrrell Other	0	\$0	0	\$0
Washington	Plymouth	0	\$0	***	***
	Roper	0	\$0	0	\$0
	Washington Other	0	\$0	17	\$49

*** Indicates confidential data.

¹This table includes dealer cities in coastal counties. For this table some cities were grouped together in the following combination:

- 1) Bath = Bath and Pinetown
- 2) Belhaven = Belhaven and Pantego
- 3) Bodie Island = Kill Devil Hills, Nags Head, and Kitty Hawk
- 4) Bogue Banks = Atlantic Beach, Emerald Isle, Pine Knoll Shores, and Salter Path
- 5) Burgaw = Burgaw, Atkinson, Currie, Rocky Point, and Willard
- 6) Calabash = Longwood, Ocean Isle, Stantonburg, Sunset, Ash, Sunset Beach, and Calabash
- 7) Central Currituck = Coinjock, Aydlett, Poplar Branch, and Grandy
- 8) Downeast Communities = Harkers Island, Gloucester, Marshallberg, Atlantic, Sea Level, Davis, Cedar Island, Smyrna, Stacy, and Williston
- 9) Hampstead = Hampstead, Surf City, Topsail, and Hampton
- 10) Hatteras Island = Rodanthe, Waves, Salvo, Avon, Buxton, Frisco, and Hatteras
- 11) Mainland Dare = Manns Harbor, Stumpy Point, and East Lake
- 12) Moyock/Barco = Moyock, Shawboro, Currituck, Maple, and Barco
- 13) Shallotte = Bolivia, Holden Beach, Varnamtown, Winnabow, Leland, Supply, and Shallotte
- 14) Southern Currituck = Jarvisburg, Powells Point, Harbinger, and Point Harbor
- 15) Southport = Boiling Spring Lakes, Long Beach, Oak Island, Yaupon Beach, and Southport
- 16) Washington = Washington and Chocowinity
- 17) Western Carteret = Newport, Cape Carteret, and Cedar Point
- 18) Wilmington Area = Wilmington, Carolina Beach, Castle Hayne, Kure Beach, and Wrightsville Beach

Table II.9 Commercial seafood landings by dealer city (continued).

County	Dealer City ¹	2015		2014	
		Pounds	Value	Pounds	Value
Beaufort	Aurora/Blounts Creek	1,070,627	\$1,144,333	585,264	\$821,104
	Bath	1,425,673	\$1,492,307	1,132,495	\$1,337,931
	Beaufort Other	0	\$0	3,109	\$2,747
	Belhaven	1,499,958	\$1,560,594	958,599	\$1,268,245
	Washington	499,105	\$735,195	569,974	\$973,694
Bertie	Bertie Other	***	***	***	***
Brunswick	Brunswick Other	4,205	\$13,053	2,306	\$7,140
	Calabash	160,246	\$291,177	143,834	\$306,075
	Shalotte	772,879	\$2,018,554	651,077	\$1,829,814
	Southport	340,912	\$882,198	315,450	\$766,322
Camden	Camden Other	0	\$0	5,332	\$12,073
	Shiloh	5,446,271	\$5,343,108	4,624,908	\$6,079,732
Carteret	Bogue Banks	127,035	\$260,413	103,390	\$246,073
	Carteret Other	402,667	\$475,660	431,756	\$548,828
	Downeast Communities	1,768,386	\$2,947,045	1,657,193	\$2,669,937
	Morehead City/Beaufort	6,160,000	\$14,187,831	4,946,775	\$10,721,496
	Western Carteret	203,797	\$436,612	160,100	\$397,109
Chowan	Chowan Other	126,446	\$39,648	446,182	\$199,679
	Edenton	465,138	\$180,315	***	***
Craven	Craven Other	84	\$99	932	\$1,778
	Havelock	5,896	\$11,561	4,500	\$6,036
	New Bern/Bridgeton	492,130	\$698,791	383,582	\$600,441
Currituck	Central Currituck	118,586	\$187,910	39,805	\$66,183
	Currituck Other	100	\$55	1,340	\$1,904
	Knotts Island/Corolla	233,071	\$289,739	385,629	\$586,057
	Moyock/Barco	1,073,821	\$1,206,920	1,133,146	\$1,598,166
	Southern Currituck	489,323	\$511,932	519,521	\$692,487
Dare	Bodie Island	126,462	\$223,935	151,552	\$242,009
	Dare Other	1,896,979	\$2,977,912	1,952,381	\$3,415,819
	Hatteras Island	5,247,274	\$3,302,192	6,958,851	\$4,173,650
	Mainland Dare	389,129	\$747,078	1,074,634	\$1,752,110
	Manteo	232,792	\$399,552	***	***
	Wanchese	10,292,127	\$13,325,296	12,115,114	\$17,012,857
Hertford	Hertford Other	15,305	\$7,175	***	***
Hyde	Engelhard	3,850,122	\$6,711,463	3,304,118	\$6,750,471
	Hyde Other	2,641	\$1,840	1,049	\$519
	Ocracoke	413,994	\$678,910	412,956	\$726,255
	Swan Quarter	2,487,038	\$3,589,468	1,521,465	\$2,875,635
	New Hanover Other	382	\$907	991	\$3,943
	Wilmington Area	1,071,530	\$2,093,643	1,251,371	\$2,382,127
Onslow	Hubert	24,519	\$39,876	26,979	\$31,311
	Jacksonville	140,080	\$198,115	132,625	\$198,517
	Onslow Other	46,116	\$146,003	61,063	\$164,986
	Sneads Ferry	1,321,488	\$3,994,295	1,198,642	\$2,924,209
	Swansboro	289,955	\$1,656,505	287,106	\$1,320,390
Pamlico	Arapahoe	145,861	\$217,539	74,163	\$116,931
	Bayboro/Alliance/Grantsboro/Stonewall	253,267	\$414,656	15,860	\$33,965
	Hobucken/Lowland	1,306,851	\$3,584,563	1,095,939	\$2,881,051
	Merritt	493,403	\$587,868	259,646	\$356,083
	Oriental	1,821,393	\$3,624,454	1,065,410	\$3,089,326
	Pamlico Other	33,491	\$74,659	32,419	\$91,494
	Vandemere	***	***	***	***
Pasquotank	Elizabeth City	1,923,425	\$2,028,290	1,989,500	\$2,660,992
	Pasquotank Other	0	\$0	0	\$0
Pender	Burgaw	58,756	\$112,690	43,958	\$101,207
	Hampstead	714,423	\$1,429,563	697,856	\$1,390,648
	Pender Other	118,624	\$181,952	88,344	\$119,946

*** Indicates confidential data.

Table II.9 Commercial seafood landings by dealer city (continued).

County	Dealer City ¹	2015		2014	
		Pounds	Value	Pounds	Value
Perquimans	Hertford	1,679,556	\$2,163,946	1,630,684	\$2,467,245
	Perquimans Other	58,666	\$62,709	62,329	\$93,478
Tyrrell	Columbia	6,427,149	\$4,922,453	5,072,978	\$4,727,104
	Tyrrell Other	0	\$0	0	\$0
Washington	Plymouth	0	\$0	0	\$0
	Roper	0	\$0	0	\$0
	Washington Other	0	\$0	0	\$0

*** Indicates confidential data.

¹This table includes dealer cities in coastal counties. For this table some cities were grouped together in the following combination:

- 1) Bath = Bath and Pinetown
- 2) Belhaven = Belhaven and Pantego
- 3) Bodie Island = Kill Devil Hills, Nags Head, and Kitty Hawk
- 4) Bogue Banks = Atlantic Beach, Emerald Isle, Pine Knoll Shores, and Salter Path
- 5) Burgaw = Burgaw, Atkinson, Currie, Rocky Point, and Willard
- 6) Calabash = Longwood, Ocean Isle, Stantonburg, Sunset, Ash, Sunset Beach, and Calabash
- 7) Central Currituck = Coinjock, Aydlett, Poplar Branch, and Grandy
- 8) Downeast Communities = Harkers Island, Gloucester, Marshallberg, Atlantic, Sea Level, Davis, Cedar Island, Smyrna, Stacy, and Williston
- 9) Hampstead = Hampstead, Surf City, Topsail, and Hampton
- 10) Hatteras Island = Rodanthe, Waves, Salvo, Avon, Buxton, Frisco, and Hatteras
- 11) Mainland Dare = Manns Harbor, Stumpy Point, and East Lake
- 12) Moyock/Barco = Moyock, Shawboro, Currituck, Maple, and Barco
- 13) Shallotte = Bolivia, Holden Beach, Varnamtown, Winnabow, Leland, Supply, and Shallotte
- 14) Southern Currituck = Jarvisburg, Powells Point, Harbinger, and Point Harbor
- 15) Southport = Boiling Spring Lakes, Long Beach, Oak Island, Yaupon Beach, and Southport
- 16) Washington = Washington and Chocowinity
- 17) Western Carteret = Newport, Cape Carteret, and Cedar Point
- 18) Wilmington Area = Wilmington, Carolina Beach, Castle Hayne, Kure Beach, and Wrightsville Beach

Table II.10 Commercial seafood landings (pounds and value) by waterbody.

Waterbody	2023		2022	
	Pounds	Value	Pounds	Value
Albemarle Sound	7,557,935	\$8,831,790	5,306,376	\$6,817,821
Alligator River	1,872,940	\$2,637,142	1,063,665	\$1,191,776
Back Bay (VA)	5,896	\$7,984	***	***
Bay River	190,677	\$482,351	218,352	\$515,676
Bogue Sound	304,186	\$622,356	328,328	\$698,980
Cape Fear River	630,837	\$890,797	606,292	\$1,172,386
Chowan River	1,211,430	\$619,070	1,242,297	\$542,156
Core Sound	1,357,240	\$2,859,666	1,487,219	\$2,725,759
Croatan Sound	1,506,800	\$1,627,946	457,960	\$812,330
Currituck Sound	1,933,535	\$2,473,753	1,301,496	\$2,048,581
Inland Waterway	0	\$0	0	\$0
Inland Waterway (Brunswick)	110,993	\$713,264	95,105	\$346,420
Inland Waterway (Onslow)	109,259	\$246,378	104,857	\$261,078
Lockwood's Folly	23,532	\$99,378	19,186	\$92,726
Masonboro Sound	252,502	\$649,869	166,925	\$585,938
Neuse River	1,140,936	\$1,504,729	1,637,673	\$2,425,643
New River	425,196	\$1,078,291	480,891	\$1,359,461
Newport River	322,353	\$1,333,697	254,111	\$1,176,447
North River/Back Sound	150,028	\$518,727	139,516	\$638,306
Ocean N of Cape Hatteras, 0-3 mi	1,745,359	\$3,304,946	1,265,938	\$2,734,698
Ocean N of Cape Hatteras, >3 mi	4,858,989	\$12,997,036	5,594,469	\$16,629,197
Ocean S of Cape Hatteras, >3 mi	1,597,509	\$5,105,617	1,340,344	\$4,441,335
Ocean S of Cape Hatteras, 0-3 mi	4,500,506	\$7,959,661	3,291,349	\$6,201,132
Pamlico River	609,480	\$862,834	730,054	\$1,306,591
Pamlico Sound	7,992,718	\$12,271,217	6,227,439	\$9,828,485
Pasquotank River	61,346	\$93,359	187,238	\$226,001
Perquimans River	437,507	\$511,225	103,545	\$147,270
Pungo River	208,276	\$327,425	81,735	\$141,926
Roanoke River	127,273	\$50,732	38,838	\$14,068
Roanoke Sound	879,766	\$1,139,670	624,927	\$1,057,269
Shalotte River	23,608	\$108,962	20,532	\$117,536
Stump Sound	174,029	\$578,372	233,494	\$1,075,561
Topsail Sound	283,660	\$1,274,891	243,421	\$1,142,994
Unknown	2,328	\$3,518	0	\$0
White Oak River	77,853	\$154,378	75,767	\$136,788

*** Indicates confidential data; confidential data were added into waterbodies in a similar location.

Table II.10 Commercial seafood landings (pounds and value) by waterbody (continued).

Waterbody	2021		2020	
	Pounds	Value	Pounds	Value
Albemarle Sound	7,251,073	\$10,972,206	5,818,201	\$7,679,374
Alligator River	1,196,776	\$1,523,990	1,020,152	\$1,318,213
Back Bay (VA)	***	***	32,568	\$53,216
Bay River	170,765	\$328,645	202,654	\$397,346
Bogue Sound	348,155	\$792,687	420,155	\$791,585
Cape Fear River	417,738	\$999,065	619,907	\$1,170,629
Chowan River	910,494	\$272,418	775,602	\$228,676
Core Sound	1,512,095	\$3,184,466	1,388,054	\$2,547,360
Croatan Sound	592,444	\$1,277,242	762,998	\$1,195,354
Currituck Sound	1,513,034	\$2,767,032	1,059,354	\$1,565,092
Inland Waterway	0	\$0	0	\$0
Inland Waterway (Brunswick)	116,425	\$343,804	178,830	\$438,884
Inland Waterway (Onslow)	99,329	\$221,696	73,631	\$136,929
Lockwood's Folly	21,839	\$80,177	27,153	\$108,373
Masonboro Sound	180,621	\$526,703	216,683	\$523,751
Neuse River	1,294,064	\$2,158,868	1,300,820	\$2,010,755
New River	279,627	\$1,046,543	454,427	\$1,167,843
Newport River	331,150	\$1,195,161	212,323	\$552,680
North River/Back Sound	188,634	\$673,670	146,275	\$497,400
Ocean N of Cape Hatteras, 0-3 mi	3,868,308	\$9,560,684	3,147,564	\$4,777,834
Ocean N of Cape Hatteras, >3 mi	5,493,547	\$15,476,868	5,149,493	\$12,363,353
Ocean S of Cape Hatteras, >3 mi	1,546,007	\$4,622,847	2,121,611	\$5,476,063
Ocean S of Cape Hatteras, 0-3 mi	5,445,948	\$12,187,631	5,723,427	\$10,873,911
Pamlico River	927,289	\$1,630,436	910,072	\$1,514,366
Pamlico Sound	7,045,197	\$13,293,499	9,083,906	\$15,705,262
Pasquotank River	124,735	\$169,643	188,262	\$312,948
Perquimans River	71,728	\$68,513	336,504	\$445,872
Pungo River	250,150	\$480,895	260,646	\$410,997
Roanoke River	***	***	***	***
Roanoke Sound	552,395	\$1,339,590	619,075	\$1,010,141
Shalotte River	25,979	\$148,628	29,747	\$125,631
Stump Sound	206,843	\$950,211	308,750	\$931,986
Topsail Sound	338,108	\$1,383,440	322,696	\$1,083,298
Unknown	0	\$0	0	\$0
White Oak River	51,460	\$112,345	68,138	\$115,009

*** Indicates confidential data; confidential data were added into waterbodies in a similar location.

Table II.10 Commercial seafood landings (pounds and value) by waterbody (continued).

Waterbody	2019		2018	
	Pounds	Value	Pounds	Value
Albemarle Sound	9,700,417	\$9,840,079	9,058,865	\$10,245,734
Alligator River	1,895,039	\$1,624,454	1,085,380	\$880,030
Back Bay (VA)	20,154	\$23,838	***	***
Bay River	228,673	\$430,290	267,836	\$529,651
Bogue Sound	429,881	\$804,500	385,882	\$798,333
Cape Fear River	769,482	\$1,169,355	475,027	\$814,396
Chowan River	851,817	\$198,512	747,899	\$286,114
Core Sound	1,549,871	\$3,375,003	1,347,754	\$2,670,072
Croatan Sound	1,048,597	\$1,181,189	808,488	\$1,006,159
Currituck Sound	1,664,603	\$1,950,501	1,245,075	\$1,474,113
Inland Waterway	0	\$0	0	\$0
Inland Waterway (Brunswick)	131,006	\$253,633	109,163	\$226,790
Inland Waterway (Onslow)	56,320	\$135,716	89,870	\$210,758
Lockwood's Folly	42,114	\$192,696	22,585	\$115,536
Masonboro Sound	248,763	\$621,701	223,279	\$613,510
Neuse River	1,356,251	\$1,628,219	1,055,950	\$1,257,554
New River	550,344	\$1,374,121	492,098	\$1,361,714
Newport River	268,251	\$667,310	278,004	\$647,286
North River/Back Sound	141,075	\$494,901	147,244	\$471,819
Ocean N of Cape Hatteras, 0-3 mi	3,488,863	\$6,387,927	1,336,241	\$2,137,321
Ocean N of Cape Hatteras, >3 mi	5,972,049	\$16,147,922	5,320,914	\$14,743,512
Ocean S of Cape Hatteras, >3 mi	2,862,410	\$7,180,706	2,689,386	\$6,718,816
Ocean S of Cape Hatteras, 0-3 mi	6,531,858	\$11,959,144	4,134,827	\$4,901,009
Pamlico River	1,418,768	\$1,527,236	1,140,838	\$1,289,331
Pamlico Sound	9,062,604	\$12,860,295	11,399,931	\$20,655,474
Pasquotank River	173,304	\$210,546	176,053	\$197,473
Perquimans River	239,772	\$277,593	74,899	\$75,921
Pungo River	695,704	\$736,943	313,813	\$356,627
Roanoke River	***	***	***	***
Roanoke Sound	851,046	\$1,207,579	593,053	\$1,059,219
Shalotte River	41,077	\$193,872	40,091	\$182,816
Stump Sound	286,551	\$790,651	279,033	\$643,212
Topsail Sound	426,050	\$1,227,994	317,533	\$1,067,377
Unknown	0	\$0	0	\$0
White Oak River	98,438	\$167,990	109,368	\$207,436

*** Indicates confidential data; confidential data were added into waterbodies in a similar location.

Table II.10 Commercial seafood landings (pounds and value) by waterbody (continued).

Waterbody	2017		2016	
	Pounds	Value	Pounds	Value
Albemarle Sound	9,073,412	\$11,037,553	10,322,448	\$10,943,999
Alligator River	1,486,736	\$979,546	2,622,753	\$1,422,002
Back Bay (VA)	***	***	***	***
Bay River	454,972	\$1,366,121	303,342	\$443,114
Bogue Sound	436,373	\$903,104	473,337	\$874,501
Cape Fear River	608,775	\$1,013,254	702,315	\$979,990
Chowan River	679,860	\$257,895	555,152	\$154,212
Core Sound	1,444,732	\$2,838,025	1,508,990	\$2,581,492
Croatan Sound	1,140,806	\$1,806,397	1,702,088	\$1,824,783
Currituck Sound	1,377,586	\$1,674,695	1,633,375	\$1,804,636
Inland Waterway	0	\$0	0	\$0
Inland Waterway (Brunswick)	127,357	\$179,346	125,088	\$168,334
Inland Waterway (Onslow)	93,290	\$281,447	100,168	\$329,177
Lockwood's Folly	50,445	\$233,505	41,722	\$151,497
Masonboro Sound	243,263	\$730,820	241,977	\$648,286
Neuse River	1,175,481	\$1,567,407	1,111,618	\$1,454,339
New River	587,568	\$1,807,639	666,815	\$2,122,434
Newport River	391,050	\$997,429	572,124	\$928,669
North River/Back Sound	189,887	\$620,042	345,889	\$687,054
Ocean N of Cape Hatteras, 0-3 mi	2,462,230	\$3,548,132	3,767,914	\$5,193,402
Ocean N of Cape Hatteras, >3 mi	5,985,676	\$15,594,377	5,989,810	\$16,463,625
Ocean S of Cape Hatteras, >3 mi	2,609,752	\$6,758,172	2,798,792	\$6,996,882
Ocean S of Cape Hatteras, 0-3 mi	6,108,344	\$10,390,463	6,614,541	\$9,947,644
Pamlico River	1,394,483	\$1,504,766	2,092,052	\$1,772,764
Pamlico Sound	13,878,065	\$25,936,014	13,423,850	\$22,509,344
Pasquotank River	223,713	\$252,401	170,371	\$161,732
Perquimans River	57,025	\$63,599	45,565	\$60,337
Pungo River	586,068	\$576,013	642,233	\$562,453
Roanoke River	65,071	\$21,031	***	***
Roanoke Sound	697,809	\$1,360,679	692,315	\$894,818
Shalotte River	58,971	\$248,387	54,512	\$194,810
Stump Sound	202,433	\$534,404	150,850	\$520,856
Topsail Sound	391,408	\$1,350,733	391,520	\$1,154,744
Unknown	0	\$0	0	\$0
White Oak River	141,917	\$261,612	132,259	\$220,064

*** Indicates confidential data; confidential data were added into waterbodies in a similar location.

Table II.10 Commercial seafood landings (pounds and value) by waterbody (continued).

Waterbody	2015		2014	
	Pounds	Value	Pounds	Value
Albemarle Sound	14,992,765	\$16,241,870	14,337,602	\$18,203,213
Alligator River	3,427,902	\$2,294,308	2,475,951	\$2,472,231
Back Bay (VA)	29,872	\$38,246	***	***
Bay River	466,420	\$572,018	294,060	\$456,836
Bogue Sound	434,953	\$961,894	389,075	\$680,703
Cape Fear River	516,494	\$779,973	572,411	\$881,717
Chowan River	509,635	\$143,336	366,593	\$121,452
Core Sound	1,439,382	\$2,463,992	1,657,658	\$2,491,940
Croatan Sound	1,952,087	\$2,507,931	1,387,208	\$1,914,932
Currituck Sound	2,411,980	\$2,667,554	2,518,675	\$3,492,100
Inland Waterway	***	***	0	\$0
Inland Waterway (Brunswick)	146,799	\$225,744	130,307	\$196,733
Inland Waterway (Onslow)	129,491	\$368,480	78,266	\$238,906
Lockwood's Folly	29,448	\$166,640	35,343	\$191,488
Masonboro Sound	253,779	\$675,558	248,795	\$615,414
Neuse River	1,565,305	\$2,040,626	979,275	\$1,496,322
New River	779,208	\$3,537,919	761,236	\$2,677,185
Newport River	464,742	\$843,206	339,869	\$699,964
North River/Back Sound	225,489	\$653,910	95,274	\$280,546
Ocean N of Cape Hatteras, 0-3 mi	1,970,747	\$1,128,778	2,196,324	\$878,723
Ocean N of Cape Hatteras, >3 mi	6,488,750	\$16,405,291	8,838,601	\$16,384,854
Ocean S of Cape Hatteras, >3 mi	2,976,374	\$6,685,521	4,312,383	\$8,528,001
Ocean S of Cape Hatteras, 0-3 mi	6,884,753	\$5,386,297	7,661,910	\$5,162,431
Pamlico River	2,355,879	\$2,479,229	1,377,243	\$1,844,851
Pamlico Sound	12,460,340	\$20,857,340	8,330,003	\$19,690,229
Pasquotank River	637,170	\$592,281	982,567	\$1,287,677
Perquimans River	74,917	\$91,016	96,848	\$133,608
Pungo River	929,484	\$953,787	325,431	\$465,543
Roanoke River	***	***	***	***
Roanoke Sound	717,212	\$986,459	473,247	\$774,915
Shalotte River	34,308	\$179,390	36,323	\$160,277
Stump Sound	124,944	\$396,709	142,089	\$413,707
Topsail Sound	406,955	\$1,232,531	451,785	\$1,200,084
Unknown	0	\$0	0	\$0
White Oak River	132,016	\$208,154	112,878	\$176,589

*** Indicates confidential data; confidential data were added into waterbodies in a similar location.

Table II.11 Commercial seafood landings by gear.

Gear	2023		2022	
	Pounds	Value	Pounds	Value
Beach Seine	***	***	***	***
By Hand	393,191	\$2,715,744	437,328	\$3,011,711
Cast Net	98,048	\$108,172	124,082	\$116,446
Channel Net	142,645	\$300,732	82,439	\$141,882
Clam Dredge	6,688	\$86,952	6,479	\$149,855
Clam Trawl Kicking	***	***	***	***
Crab Dredge	0	\$0	0	\$0
Crab Pot	15,455,319	\$19,157,853	9,222,613	\$14,033,446
Crab Trawl	87,812	\$99,154	22,895	\$29,125
Eel Pot	***	***	7,220	\$5,278
Fish Pot	105,751	\$246,799	109,670	\$447,398
Flounder Trawl	2,143,023	\$3,537,216	2,209,337	\$4,985,985
Flynet	***	***	***	***
Fyke Net	441,204	\$211,616	397,101	\$203,904
Gigs	53,171	\$120,107	64,866	\$169,549
Gill net (anchored)	4,602,478	\$5,258,477	4,732,010	\$6,250,357
Gill net (drift)	1,831,130	\$2,275,309	1,485,595	\$2,063,832
Gill net (runaround)	4,368,127	\$4,460,468	4,161,273	\$4,407,759
Haul Seine	35,153	\$39,114	104,098	\$79,691
Longline	1,547,511	\$5,931,738	1,892,707	\$7,283,332
Other ¹	228,311	947,606	212,146	1,530,251
Oyster Cage/Rack/Bag	651,775	3,081,959	535,493	2,321,909
Oyster Dredge	62,505	\$554,024	53,949	\$481,108
Peeler Pot	220,300	\$1,239,369	303,396	\$1,655,824
Peeler Trawl	0	\$0	***	***
Pound Net	995,631	\$1,119,420	1,013,251	\$1,171,029
Rake	73,074	\$1,060,783	64,951	\$749,605
Rod-N-Reel	973,612	\$3,845,500	827,376	\$3,150,568
Shrimp Trawl	6,300,890	\$13,421,795	4,618,596	\$9,722,311
Skimmer Trawl	209,925	\$466,639	128,394	\$290,282
Tongs, Hand	99,963	\$877,484	140,771	\$1,242,359
Trolling	755,471	\$2,481,294	693,717	\$2,438,774
Trotline	803,771	\$295,709	1,317,586	\$478,765
Unknown	***	***	0	\$0

*** Indicates confidential data.

¹Confidential data were added to "Other" when applicable.

Table II.11 Commercial seafood landings by gear (continued).

Gear	2021		2020	
	Pounds	Value	Pounds	Value
Beach Seine	60,268	\$60,623	69,421	\$56,848
By Hand	523,130	\$3,315,675	385,724	\$2,610,763
Cast Net	127,362	\$109,157	102,346	\$75,240
Channel Net	58,797	\$109,906	83,575	\$126,378
Clam Dredge	11,519	\$144,972	***	***
Clam Trawl Kicking	0	\$0	***	***
Crab Dredge	0	\$0	0	\$0
Crab Pot	12,346,960	\$21,615,731	13,217,063	\$19,538,099
Crab Trawl	31,893	\$44,536	91,746	\$95,287
Eel Pot	9,701	\$15,343	2,560	\$7,616
Fish Pot	79,133	\$352,787	98,934	\$316,676
Flounder Trawl	2,396,506	\$6,376,097	2,095,226	\$4,316,834
Flynet	***	***	***	***
Fyke Net	189,819	\$76,750	312,274	\$124,069
Gigs	38,758	\$108,230	40,392	\$84,225
Gill net (anchored)	6,450,418	\$7,920,218	7,785,236	\$7,293,220
Gill net (drift)	1,089,925	\$1,441,778	902,701	\$1,006,033
Gill net (runaround)	3,105,855	\$3,130,784	1,783,433	\$1,740,633
Haul Seine	81,086	\$96,398	124,831	\$165,577
Longline	1,530,241	\$5,503,229	1,662,584	\$4,535,268
Other ¹	126,489	784,659	286,842	2,215,666
Oyster Cage/Rack/Bag	587,040	2,651,695	378,085	1,607,143
Oyster Dredge	51,414	\$453,223	36,816	\$302,627
Peeler Pot	511,903	\$2,363,719	293,894	\$1,078,774
Peeler Trawl	0	\$0	***	***
Pound Net	998,540	\$1,222,532	1,238,026	\$1,273,181
Rake	43,520	\$439,079	51,247	\$535,366
Rod-N-Reel	906,804	\$3,057,860	968,792	\$3,175,702
Shrimp Trawl	9,186,991	\$24,774,617	9,270,139	\$21,525,000
Skimmer Trawl	109,766	\$210,829	499,171	\$979,214
Tongs, Hand	99,477	\$873,138	60,057	\$519,280
Trolling	733,119	\$2,274,841	1,068,085	\$2,205,687
Trotline	885,522	\$261,197	70,482	\$19,724
Unknown	0	\$0	0	\$0

*** Indicates confidential data.

¹Confidential data were added to "Other" when applicable.

Table II.11 Commercial seafood landings by gear (continued).

Gear	2019		2018	
	Pounds	Value	Pounds	Value
Beach Seine	56,386	\$51,144	25,711	\$24,499
By Hand	498,868	\$3,331,816	636,641	\$3,950,415
Cast Net	103,882	\$96,965	94,441	\$82,363
Channel Net	42,289	\$77,068	120,068	\$183,309
Clam Dredge	8,513	\$106,764	10,423	\$111,814
Clam Trawl Kicking	414	\$3,877	398	\$3,066
Crab Dredge	0	\$0	0	\$0
Crab Pot	22,488,125	\$22,781,208	16,594,704	\$17,820,105
Crab Trawl	121,377	\$114,454	39,183	\$43,000
Eel Pot	8,830	\$3,311	16,539	\$26,674
Fish Pot	119,451	\$355,585	182,820	\$480,000
Flounder Trawl	2,619,016	\$8,234,946	2,184,147	\$7,988,145
Flynet	***	***	40,460	\$45,714
Fyke Net	340,844	\$128,413	317,892	\$122,505
Gigs	108,453	\$393,700	104,014	\$406,173
Gill net (anchored)	7,576,215	\$7,206,321	7,956,032	\$7,578,891
Gill net (drift)	1,041,415	\$1,145,006	506,328	\$558,266
Gill net (runaround)	1,527,379	\$1,413,222	1,245,107	\$1,154,157
Haul Seine	133,981	\$167,587	13,901	\$17,179
Longline	1,593,869	\$4,126,437	1,642,483	\$4,490,229
Other ¹	322,489	1,916,688	159,668	1,107,132
Oyster Cage/Rack/Bag	322,066	1,493,442	17,784	82,217
Oyster Dredge	8,768	\$71,244	14,669	\$123,678
Peeler Pot	495,505	\$1,852,077	455,821	\$1,895,326
Peeler Trawl	***	***	***	***
Pound Net	1,319,867	\$1,985,323	1,470,272	\$2,503,822
Rake	49,475	\$428,454	100,456	\$783,553
Rod-N-Reel	1,226,487	\$4,106,299	1,110,625	\$3,450,203
Shrimp Trawl	9,410,734	\$21,736,744	9,404,179	\$19,464,120
Skimmer Trawl	255,420	\$422,191	277,552	\$495,260
Tongs, Hand	72,074	\$611,234	57,680	\$474,348
Trolling	1,145,174	\$2,464,014	921,978	\$2,367,817
Trotline	83,781	\$16,885	44,401	\$11,133
Unknown	0	\$0	0	\$0

*** Indicates confidential data.

¹Confidential data were added to "Other" when applicable.

Table II.11 Commercial seafood landings by gear (continued).

Gear	2017		2016	
	Pounds	Value	Pounds	Value
Beach Seine	58,973	\$49,480	19,955	\$20,320
By Hand	806,631	\$5,191,570	576,652	\$3,398,492
Cast Net	97,085	\$68,827	106,663	\$60,536
Channel Net	147,305	\$239,931	156,964	\$230,958
Clam Dredge	11,198	\$122,614	17,376	\$155,743
Clam Trawl Kicking	1,428	\$9,901	3,104	\$19,640
Crab Dredge	0	\$0	2,160	\$1,648
Crab Pot	18,170,548	\$18,259,040	24,857,902	\$21,603,396
Crab Trawl	182,417	\$187,746	260,891	\$263,724
Eel Pot	24,744	\$14,000	39,464	\$87,165
Fish Pot	205,759	\$431,658	135,963	\$262,101
Flounder Trawl	2,271,684	\$7,720,079	2,535,873	\$9,096,175
Flynet	131,104	\$130,470	199,820	\$193,838
Fyke Net	442,179	\$181,449	392,411	\$152,000
Gigs	162,801	\$597,828	148,428	\$544,327
Gill net (anchored)	8,438,962	\$9,256,529	9,995,205	\$8,680,345
Gill net (drift)	274,989	\$378,767	64,625	\$81,537
Gill net (runaround)	1,397,829	\$1,445,559	920,659	\$936,115
Haul Seine	26,609	\$38,887	35,926	\$49,269
Longline	2,183,565	\$5,404,919	1,973,349	\$4,975,314
Other ¹	169,717	1,148,794	239,326	2,230,947
Oyster Cage/Rack/Bag	16,029	63,705	13,949	42,467
Oyster Dredge	67,955	\$588,505	124,996	\$1,011,851
Peeler Pot	1,019,835	\$3,879,460	505,204	\$2,445,787
Peeler Trawl	***	***	***	***
Pound Net	1,515,178	\$3,490,860	1,198,193	\$2,210,375
Rake	182,678	\$1,292,249	225,387	\$1,576,323
Rod-N-Reel	1,084,602	\$3,340,542	1,138,682	\$3,380,719
Shrimp Trawl	13,393,311	\$28,611,977	12,540,783	\$27,265,534
Skimmer Trawl	620,273	\$1,071,896	740,185	\$1,027,988
Tongs, Hand	74,543	\$635,569	69,255	\$546,037
Trolling	1,212,832	\$2,833,430	733,034	\$1,614,286
Trotline	31,796	\$8,768	23,401	\$7,035
Unknown	0	\$0	0	\$0

*** Indicates confidential data.

¹Confidential data were added to "Other" when applicable.

Table II.11 Commercial seafood landings by gear (continued).

Gear	2015		2014	
	Pounds	Value	Pounds	Value
Beach Seine	35,267	\$22,754	160,310	\$100,442
By Hand	452,009	\$3,490,077	443,699	\$2,620,064
Cast Net	142,629	\$150,785	129,922	\$81,559
Channel Net	232,850	\$285,627	166,774	\$296,853
Clam Dredge	24,365	\$274,401	34,712	\$238,178
Clam Trawl Kicking	6,118	\$61,582	8,253	\$49,570
Crab Dredge	***	***	***	***
Crab Pot	31,101,625	\$30,439,358	25,534,605	\$31,254,003
Crab Trawl	261,577	\$300,404	81,436	\$95,592
Eel Pot	56,068	\$138,568	57,419	\$154,261
Fish Pot	203,542	\$401,621	243,571	\$513,617
Flounder Trawl	3,543,173	\$10,047,329	3,558,212	\$9,016,925
Flynet	166,025	\$109,911	1,264,330	\$744,940
Fyke Net	424,941	\$174,843	272,056	\$140,578
Gigs	148,790	\$445,372	152,072	\$443,232
Gill net (anchored)	12,009,014	\$8,066,377	15,076,050	\$9,439,547
Gill net (drift)	165,318	\$206,335	91,968	\$89,237
Gill net (runaround)	1,056,387	\$811,334	1,442,490	\$1,132,343
Haul Seine	68,879	\$61,088	237,688	\$160,393
Longline	2,017,312	\$4,715,705	2,864,706	\$6,706,582
Other ¹	239,067	2,334,654	342,169	1,360,456
Oyster Cage/Rack/Bag	17,238	38,148	0	0
Oyster Dredge	206,922	\$1,527,431	345,743	\$2,270,283
Peeler Pot	832,757	\$3,308,105	638,860	\$2,740,746
Peeler Trawl	***	***	1,849	\$5,720
Pound Net	1,470,617	\$2,683,086	1,638,824	\$2,977,665
Rake	303,690	\$3,006,804	281,063	\$1,824,269
Rod-N-Reel	966,020	\$2,879,130	1,215,782	\$3,382,324
Shrimp Trawl	8,595,479	\$16,231,808	4,639,991	\$13,918,366
Skimmer Trawl	448,920	\$555,586	148,650	\$256,042
Tongs, Hand	80,080	\$703,245	89,346	\$557,250
Trolling	682,979	\$1,291,293	835,577	\$1,640,578
Trotline	9,940	\$3,226	7,105	\$1,556
Unknown	0	\$0	0	\$0

*** Indicates confidential data.

¹Confidential data were added to "Other" when applicable.

Table II.12 Number of participants, trips, and vessels by gear type.

Gears	2023			2022			2021		
	Participants	Trips	Vessels	Participants	Trips	Vessels	Participants	Trips	Vessels
Beach Seine	6	18	6	5	19	5	8	64	8
By Hand	400	9,861	327	438	10,905	369	467	11,393	424
Cast Net	44	690	35	49	690	31	54	584	32
Channel Net	28	350	30	30	350	34	24	324	29
Clam Dredge	5	72	6	4	72	6	4	132	6
Clam Trawl Kicking	1	1	1	2	6	2	0	0	0
Crab Dredge	0	0	0	0	0	0	0	0	0
Crab Pot	443	28,184	511	463	24,822	546	523	30,618	653
Crab Trawl	9	51	10	9	47	9	14	71	14
Eel Pot	3	15	4	6	25	6	8	33	8
Fish Pot	25	295	27	20	347	23	19	305	22
Flounder Trawl	39	101	39	43	111	43	65	149	69
Flynet	1	1	1	4	4	4	2	2	2
Fyke Net	17	417	18	24	466	29	24	352	24
Gigs	156	623	157	194	681	197	129	423	132
Gill net (anchored)	648	9,732	700	712	11,511	779	761	14,578	841
Gill net (drift)	180	2,099	199	176	1,808	199	123	1,059	133
Gill net (runaround)	564	11,598	634	537	10,498	597	469	9,304	541
Haul Seine	10	95	9	11	115	12	11	105	11
Longline	38	576	37	35	606	33	30	420	29
Other	95	517	91	38	198	37	40	255	44
Oyster									
Cage/Rack/Bag	85	2,380	75	76	2,214	70	58	1,906	60
Oyster Dredge	76	963	79	59	880	70	57	896	62
Peeler Pot	138	2,454	141	139	2,347	149	165	2,682	180
Peeler Trawl	0	0	0	1	1	1	1	1	1
Pound Net	60	1,596	62	69	1,504	75	60	1,653	70
Rake	217	3,954	155	252	4,145	176	207	2,638	157
Rod-n-Reel	238	2,280	254	210	2,112	230	188	2,085	207
Shrimp Trawl	231	2,975	249	260	2,787	282	331	5,020	358
Skimmer Trawl	22	223	27	25	197	31	27	173	29
Tongs, Hand	194	4,145	184	244	4,962	215	205	3,653	183
Trolling	260	1,738	272	292	1,739	318	314	2,045	340
Trotline	75	1,361	68	121	2,801	115	86	2,241	93
Unknown	1	2	1	0	0	0	0	0	0

Table II.12 Number of participants, trips, and vessels by gear type (*continued*).

Gears	2020			2019			2018		
	Participants	Trips	Vessels	Participants	Trips	Vessels	Participants	Trips	Vessels
Beach Seine	9	45	11	4	41	4	6	33	7
By Hand	486	10,995	419	571	14,872	473	640	15,306	520
Cast Net	44	502	27	52	627	45	66	598	63
Channel Net	28	359	32	27	233	29	46	512	47
Clam Dredge	4	26	3	6	108	5	9	181	10
Clam Trawl Kicking	2	9	2	3	13	4	3	10	3
Crab Dredge	0	0	0	0	0	0	0	0	0
Crab Pot	529	32,534	678	597	34,564	701	624	33,224	714
Crab Trawl	17	116	17	37	313	37	25	165	25
Eel Pot	5	14	6	10	24	11	14	55	14
Fish Pot	19	334	23	24	443	26	32	532	41
Flounder Trawl	68	147	73	91	202	97	103	219	107
Flynet	6	6	6	5	7	5	3	4	3
Fyke Net	17	387	17	16	364	19	26	391	29
Gigs	104	468	110	240	1,959	259	273	2,145	284
Gill net (anchored)	801	16,325	915	827	18,279	940	922	19,944	1,053
Gill net (drift)	134	1,077	135	84	648	87	64	547	63
Gill net (runaround)	384	6,551	438	370	4,281	419	343	3,162	389
Haul Seine	19	268	21	10	96	11	9	43	9
Longline	39	422	39	36	394	34	41	405	39
Other	57	350	60	66	396	69	68	374	68
Oyster									
Cage/Rack/Bag	48	1,408	49	46	1,032	42	2	76	4
Oyster Dredge	47	619	53	29	162	33	60	337	62
Peeler Pot	146	2,552	168	186	2,996	206	192	2,735	204
Peeler Trawl	2	4	2	2	8	2	2	14	2
Pound Net	79	2,384	91	81	2,283	87	97	2,941	101
Rake	220	3,317	159	204	3,209	175	278	5,748	234
Rod-n-Reel	212	2,133	239	269	2,561	289	232	2,205	251
Shrimp Trawl	347	5,282	391	338	5,291	373	409	4,959	437
Skimmer Trawl	49	462	56	40	327	49	60	446	65
Tongs, Hand	192	2,576	178	180	3,456	158	175	2,861	150
Trolling	377	2,800	424	378	2,905	417	331	2,032	347
Trotline	17	164	15	5	262	5	11	183	12
Unknown	0	0	0	0	0	0	0	0	0

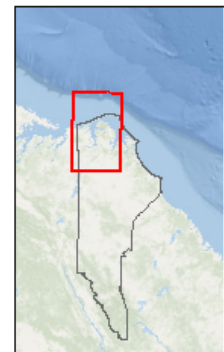
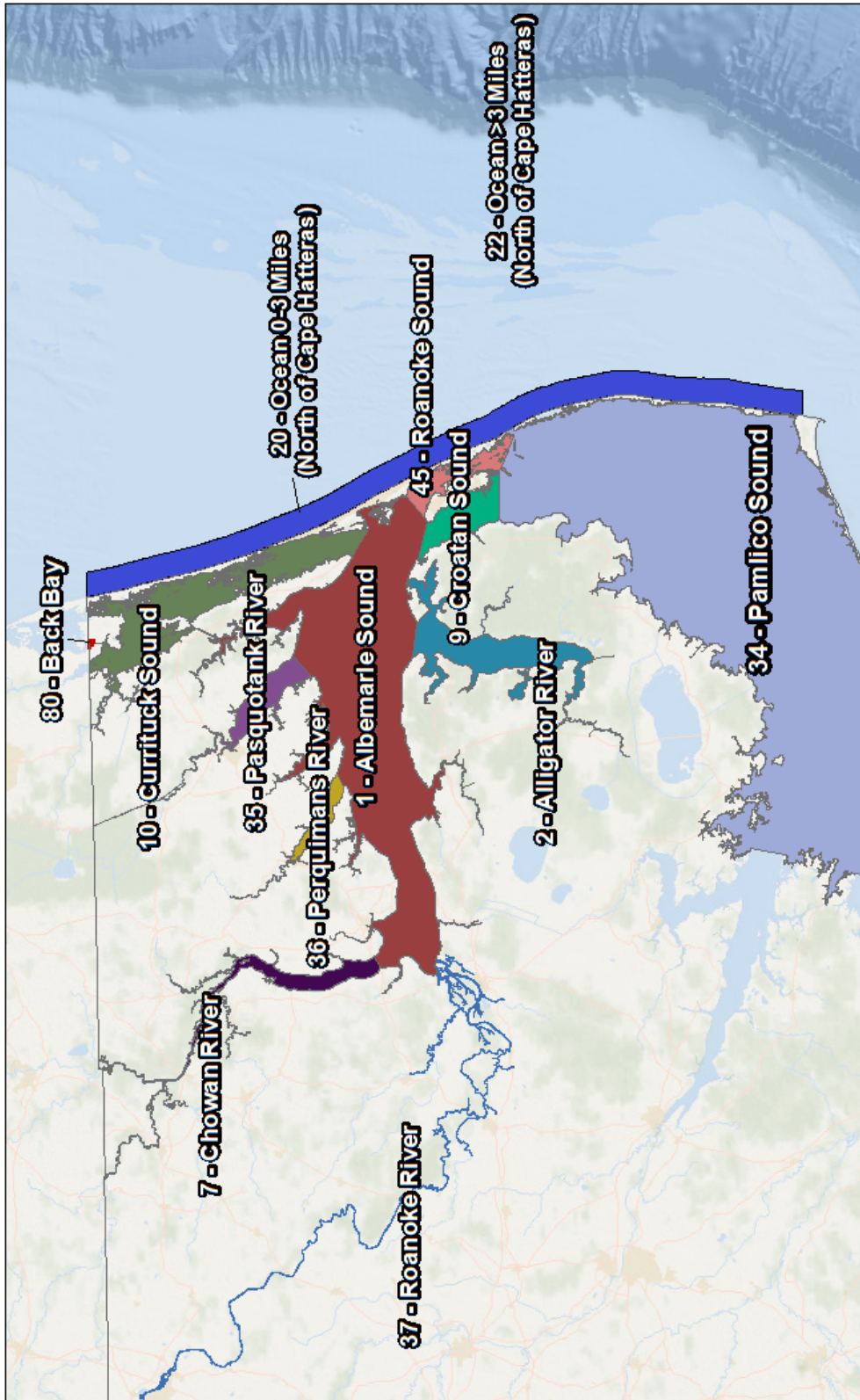
Table II.12 Number of participants, trips, and vessels by gear type (continued).

Gears	2017			2016			2015		
	Participants	Trips	Vessels	Participants	Trips	Vessels	Participants	Trips	Vessels
Beach Seine	6	31	7	4	12	4	7	23	8
By Hand	798	20,894	577	820	18,784	558	803	17,174	542
Cast Net	74	671	69	78	640	72	70	681	62
Channel Net	53	776	55	59	761	64	66	968	74
Clam Dredge	8	188	10	11	213	12	11	251	14
Clam Trawl Kicking	5	31	5	8	39	7	9	77	10
Crab Dredge	0	0	0	4	4	4	2	14	2
Crab Pot	663	37,199	805	808	46,271	987	829	51,717	1,039
Crab Trawl	34	357	34	43	463	44	50	470	55
Eel Pot	25	87	25	18	63	18	20	97	23
Fish Pot	41	578	39	48	472	46	46	582	46
Flounder Trawl	97	202	102	93	266	97	92	276	96
Flynet	8	15	8	11	19	11	6	11	6
Fyke Net	31	546	33	37	631	41	35	639	40
Gigs	318	2,896	333	329	2,797	343	312	2,739	328
Gill net (anchored)	1,007	24,526	1,161	923	21,263	1,018	1,062	21,799	1,195
Gill net (drift)	80	586	83	60	287	62	55	403	54
Gill net (runaround)	408	4,086	460	367	3,275	409	369	3,219	410
Haul Seine	14	68	13	14	93	15	12	45	12
Longline	41	408	36	56	597	56	62	513	65
Other	71	429	73	81	358	76	50	333	59
Oyster									
Cage/Rack/Bag	1	52	1	1	55	1	1	51	1
Oyster Dredge	120	1,540	138	178	2,685	198	212	4,031	243
Peeler Pot	225	3,467	253	231	4,959	260	254	4,725	288
Peeler Trawl	2	15	2	2	14	2	2	21	2
Pound Net	111	2,920	122	96	2,557	102	101	2,856	111
Rake	345	9,292	283	410	11,218	312	489	12,494	351
Rod-n-Reel	216	2,285	230	229	2,294	243	227	1,994	238
Shrimp Trawl	431	7,797	492	435	7,492	464	418	6,065	480
Skimmer Trawl	75	678	79	76	1,273	87	71	1,035	78
Tongs, Hand	223	3,579	187	216	3,163	193	225	3,688	197
Trolling	352	2,518	377	312	1,885	331	334	1,948	354
Trotline	14	170	14	11	86	11	9	39	11
Unknown	0	0	0	0	0	0	0	0	0

Table II.12 Number of participants, trips, and vessels by gear type (*continued*).

Gears	2014		
	Participants	Trips	Vessels
Beach Seine	6	21	6
By Hand	804	18,019	567
Cast Net	67	608	56
Channel Net	91	1,078	99
Clam Dredge	16	388	22
Clam Trawl Kicking	23	155	25
Crab Dredge	2	3	2
Crab Pot	814	50,529	976
Crab Trawl	36	197	37
Eel Pot	29	143	34
Fish Pot	46	682	47
Flounder Trawl	80	256	82
Flynet	11	40	13
Fyke Net	24	404	26
Gigs	323	2,805	339
Gill net (anchored)	1,212	26,127	1,339
Gill net (drift)	41	296	44
Gill net (runaround)	410	3,355	456
Haul Seine	31	204	32
Longline	64	619	65
Other	74	364	81
Oyster Cage/Rack/Bag	0	0	0
Oyster Dredge	268	5,705	296
Peeler Pot	229	4,006	266
Peeler Trawl	3	26	3
Pound Net	106	2,444	110
Rake	447	11,786	359
Rod-n-Reel	241	2,272	251
Shrimp Trawl	342	4,599	378
Skimmer Trawl	69	711	76
Tongs, Hand	247	3,896	230
Trolling	330	2,246	351
Trotline	8	49	8
Unknown	0	0	0

Appendix II.1 Trip Ticket Waterbody Maps #1.



Northern Trip Ticket Waterbodies

Appendix II.1 Trip Ticket Waterbody Maps #1 (continued).

List of primary and secondary trip ticket waterbodies of the Northern Area (Map #1).

Albemarle Sound

Yeopim River
Bull Bay
Batchelor Bay
Little River
Big Flatty Creek
North River
Edenton Bay
Swan Bay
Scuppernong River

Roanoke River

Cashie River
Middle River
Eastmost River
Broad Creek
Canaby Creek
Grennel Creek
Cow Creek
Cashoke Creek

Chowan River

Meherrin River
Bennetts Creek

Perquimans River

No tributaries

Currituck Sound

Bellows Bay
Coinjock Bay
Cedar Bay
Knotts Island Bay
Dowdy Bay
Above the narrows
Below the narrows

Pasquotank River

Little Flatty Creek
Newbegun Creek

Alligator River

East Lake
South Lake
Frying Pan
Gum Neck
Little Alligator

Croatan Sound

Manns Harbor
Peter Mashoes Creek
Cedar Bush Bay

Pamlico Sound

Stumpy Point Bay
Long Shoal River
Pains Bay
Parched Corn Bay
Crab Slough
Old House Channel
Davis Channel

Roanoke Sound

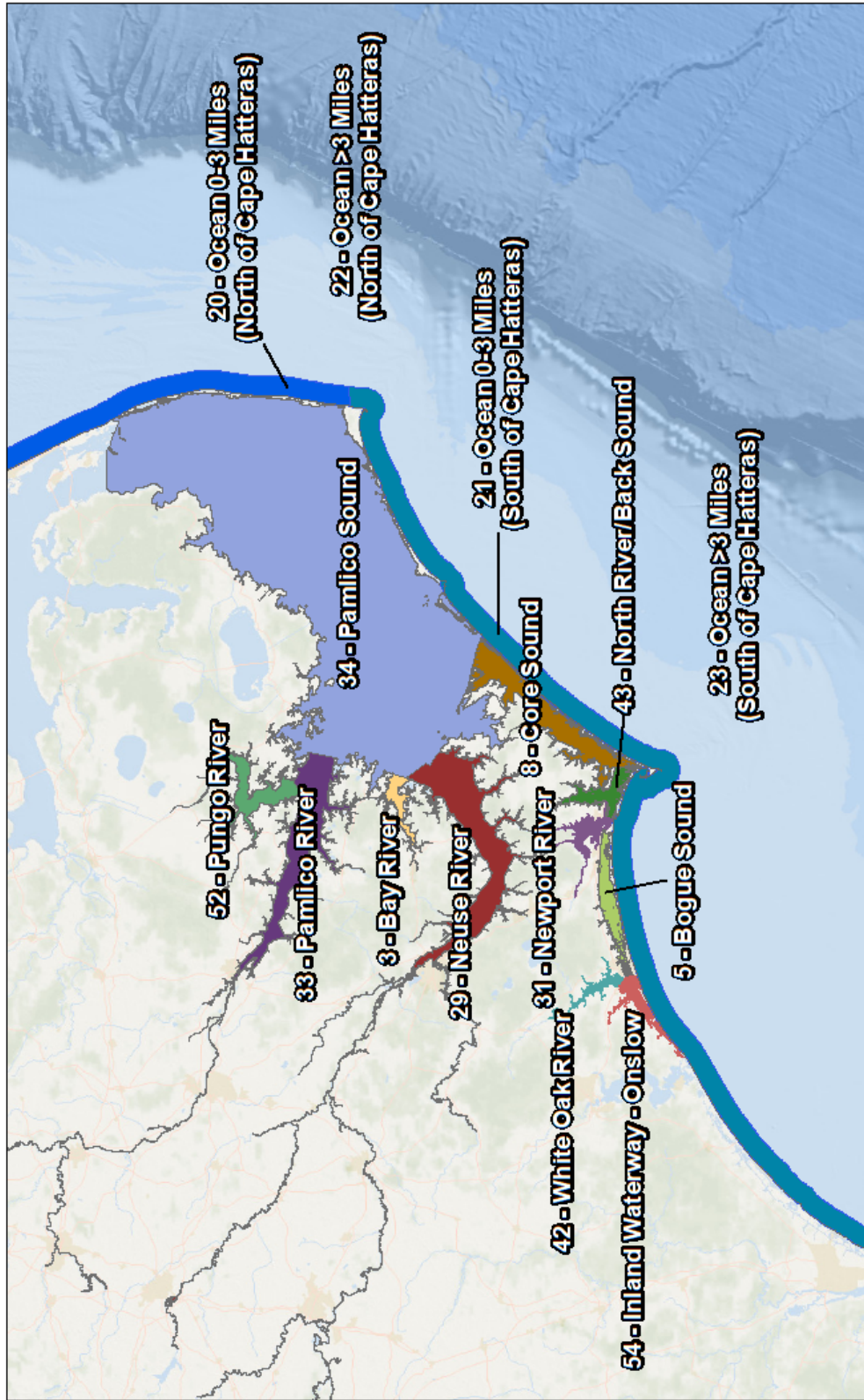
Kitty Hawk Bay
Shallowbag Bay
Broad Creek
Colington Creek
Buzzard Bay

Ocean 0-3 miles North of Cape

Hatteras

North of Cape Point

Appendix II.2 Trip Ticket Waterbody Maps #2.



Central Trip Ticket Waterbodies

Appendix II.2 Trip Ticket Waterbody Maps #2 (continued).

List of primary and secondary trip ticket waterbodies of the Central Area (Map #2).

Pamlico River

Chocowinity Bay
Bath Creek
Blounts Creek
Duck Creek
Durham Creek
Goose Creek
Mixon Creek
North Creek
South Creek
St. Clair Creek

Pungo River

Wright Creek
Satterthwaite Creek
Jordan Creek
Pungo Creek
Pantego Creek
Slade Creek
Fortescue Creek

Bay River

Trent Creek
Vandemere Creek
Rockhole Bay
Bonner Bay
Fisherman Bay

White Oak River

Pettiford Creek Bay

Pamlico Sound

Abel Bay
Spencer Bay
Germantown Bay
Striking Bay
Deep Bay
Rose Bay
Deep Cove
Swan Quarter Bay
Oyster Creek
Mouse Harbor
Big Porpoise Bay
Middle Bay
Jones Bay
Caffee Bay
Juniper Bay
West Bluff Bay
East Bluff Bay
Wysocking Bay
Far Creek
Long Shoal River
Mt. Pleasant Bay
Douglas Bay
Lone Tree Creek
Back Creek
Middletown Creek
Waupopin Creek
Otter Creek
Sandy Bay
West Bay
North Bay
Long Bay
West Thorofare Bay

Bogue Sound

Gales Creek
Broad Creek
Goose Creek
Deer Creek
Hoop Pole Creek
Peletier Creek
Spooners Creek
Tar Landing Bay
Money Island

Neuse River

Upper Broad Creek
Goose Creek
Beard Creek
Dawson Creek
Trent Creek
Broad Creek
Swan Creek
Slocum Creek
Hancock Creek
Clubfoot Creek
Adams Creek (N. of
Core Creek Bridge)
South River
Turnagain Bay

Newport River

Town Creek
Calico Creek
Taylor Creek
Haystacks
Core Creek (S. of
Core Creek Bridge)
Bogue Inlet
Turning Basin

Core Sound

Back Bay
Cedar Island Bay
Thorofare Bay
Barry Bay
Styron Bay
Nelson Bay
Oyster Creek
Jarrett Bay
Middle Marshes
The Straits

Ocean 0-3 Miles

South of Cape Hatteras

South of Cape Point

Ocean 0-3 Miles

North of Cape Hatteras

North of Cape Point

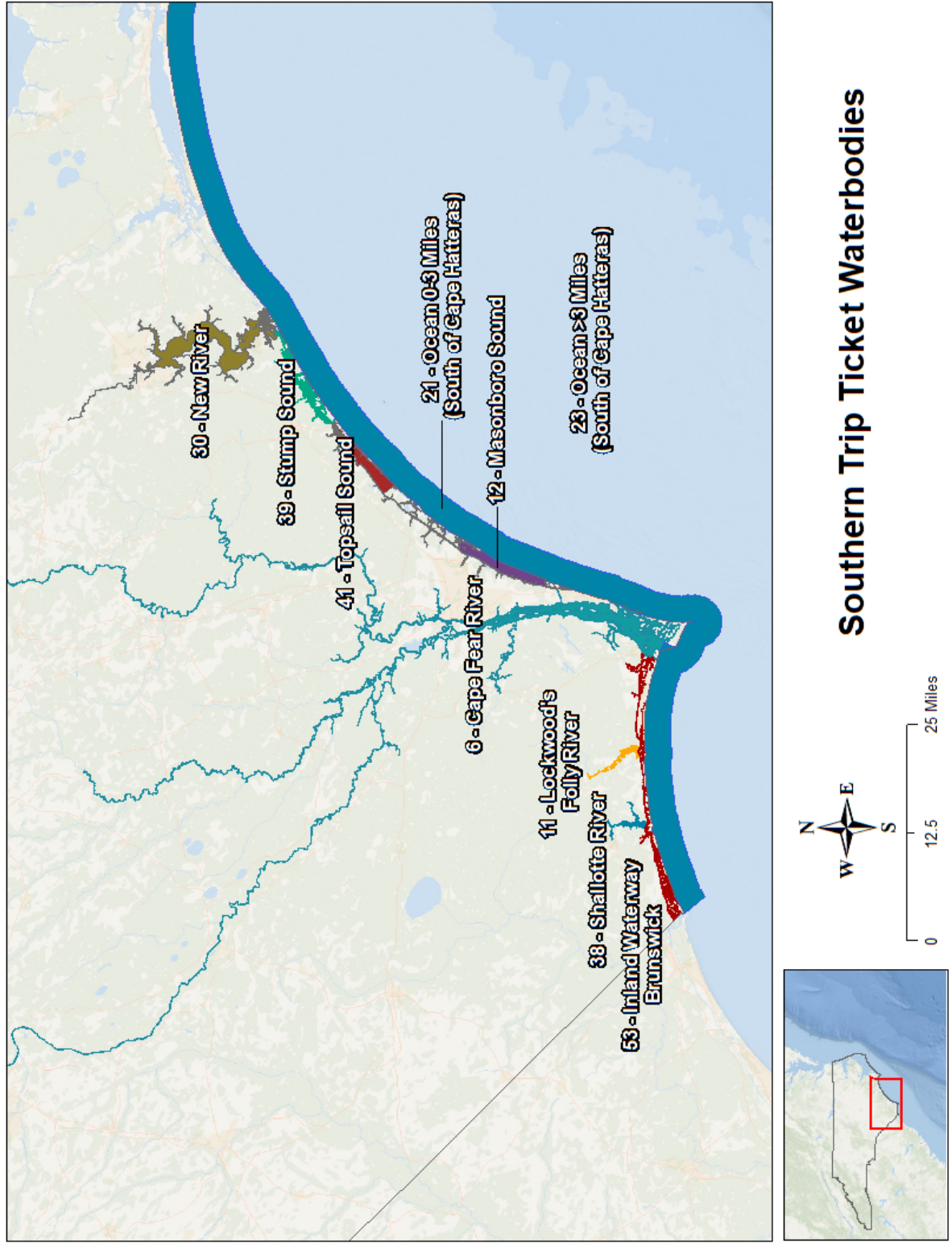
North River/Back Sound

Ward Creek
Davis Bay
Goose Bay
North River Thorofare
Muddy Creek
Back Sound

Inland Waterway - Onslow

Queens Creek
Bear Creek
Bear Inlet
Holover Creek
Browns Inlet
Sounders Creek
Fosters Creek
Muddy Creek
Hammocks Beach/Bear
Island

Appendix II.3 Trip Ticket Waterbody Maps #3.



Appendix II.3 Trip Ticket Waterbody Maps #3 (continued).

List of primary and secondary trip ticket waterbodies of the Southern Area (Map #3).

New River

Morgan Bay
Farnell Bay
Stones Bay
Courthouse Bay
Chadwick Bay
Little Goose Bay
Gray Point
Hwy 210 High-rise
Muddy Creek

Stump Sound

Alligator Bay
Thomas Landing
Mill Creek
Morris Landing

Lockwood's Folly River

Spring Branch

Topsail Sound

Virginia Creek
Topsail Creek
Elmore Inlet
Futch Creek
Green Channel
Nixon Channel
Butler Creek

Masonboro Sound

Rich Inlet
Mason Inlet
Johns Creek
Masonboro Inlet
Carolina Beach Inlet
Banks Channel
Masonboro Channel
Carolina Beach Boat Basin

Cape Fear River

First Bay
Second Bay
Buzzard Bay
Cedar Creek
Baldhead Creek
Northeast Cape Fear
Snows Cut
Cape Creek
Bay Creek
The Basin
CP&L Bypass

Shalotte River

Gibbs Creek
Little Shalotte River

**Inland Waterway -
Brunswick**

South Dutchman Creek
Elizabeth River
Davis Creek
Lockwood's Folly Inlet
Montgomery Slough
Shalotte Inlet
Sheep Inlet
Sheep Island
Eastern Channel
Bonaparte Creek
Old Channel
Calabash River
Ocean Isle
Jinks Creek
Tubbs Inlet
Little River Inlet

**Ocean 0-3 Miles South of Cape
Hatteras**

South of Cape Point

Chapter III: MARINE RECREATIONAL FISHERY STATISTICS

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PROGRAM NARRATIVE

The Coastal Angling Program

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

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

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

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

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

The information in this chapter covers the **Marine Recreational Information Program**. This chapter is designed to help understand how the data are collected and what types of data are available within this program. This summary should also allow individuals to more precisely choose the information that is most applicable to their specific needs.

MARINE RECREATIONAL INFORMATION PROGRAM

Introduction

The Magnuson-Stevens Fishery Conservation and Management Act of 1976 established the need for a nationally consistent and systematic method of collecting both recreational and commercial harvest data to ensure the sustainable management of United States fisheries. Data on marine recreational fisheries were not collected in a systematic manner by the National Oceanic and Atmospheric Administration (NOAA) Fisheries on a continuing basis until the establishment of the Marine Recreational Fisheries Statistics Survey (MRFSS) in 1979. Dockside interviews began at this time across all Atlantic states, and the first results of these interviews would become available starting in 1981.

From its inception in 1979, MRFSS would undergo several important improvements, eventually evolving into the Marine Recreational Information Program currently in use. Several key changes are listed below:

- In 2006, the National Academies of Science, Engineering, and Medicine (NASEM) published an independent review of the MRFSS and identified under-coverage, inefficiency, and bias issues within the MRFSS survey and estimation methodologies and recommended a redesigning of the survey.
- In 2008, the Marine Recreational Information Program (MRIP) was established to implement improvements in survey and estimation methodologies.
- In 2011, North Carolina conducted a pilot study to explore additional improvements to the sampling design.
- In 2013, the dockside surveys were improved to sample throughout the day (24-hour coverage) and remove any potential bias by controlling the movement of field staff to alternative sampling sites. Before this improvement, samplers were allowed to move from their assigned site to more active fishing locations but could not statistically account for this movement when calculating estimates.
- In 2016, the Atlantic states' sampling efforts begin to be coordinated through the Atlantic Coastal Cooperative Statistics Program (ACCSP).
- In 2018, the Fishing Effort Survey (FES), which is administered by mail, replaced the Coastal Household Telephone Survey (CHTS).
- In 2019, Atlantic states begin to collect data on electronic tablets instead of on paper.

MRIP is a national program that uses several surveys to obtain catch and effort data for marine finfish at the regional level. MRIP evolved from the MRFSS and included improvements in survey and estimation methodologies to remove sources of bias. Prior to 2018, MRIP consisted of two complementary surveys: 1) the CHTS, a random-digit-dialing landline telephone survey within the coastal zones of each state to determine the number of fishing households and the numbers of fishing trips taken and 2) the Access Point Angler Intercept Survey (APAIS) for obtaining catch rates and species composition from anglers fishing in shore-based, charter boat, and private boat fishing modes. The data from the two surveys were combined to provide estimates of the total

number of fish caught, released, and harvested; weight of the harvest; total number of trips; and the number of people participating in marine recreational fishing.

The APAIS component of MRIP was improved in 2013 to sample throughout the day (24-hour coverage) and remove any potential bias by controlling the movement of field staff to alternative sampling sites. Before this improvement, samplers were allowed to move from their assigned site to more active fishing locations but could not statistically account for this movement when calculating estimates. MRIP also implemented the FES in 2018 to address the NASEM concerns of under-coverage of the angling public, declining number of households using landline telephones, reduced response rates, and memory recall issues of the CHTS.

Now, MRIP consists of two complementary surveys: 1) a mail survey of households (FES) in coastal counties to obtain fishing effort information and 2) an intercept survey of anglers (APAIS) at shore side access sites to obtain catch rates and species composition. The data from the two surveys are combined to provide estimates of the total number of fish caught, released, and harvested; the weight of the harvest; the total number of trips; and the number of people participating in marine recreational fishing. For-hire fishing effort is captured through telephone interviews of for-hire captains. All states on the Atlantic and Gulf coasts participate in the FES and APAIS except for Texas and Louisiana.

Dockside Interviews

The intercept survey gathers catch and demographic data from marine recreational anglers who have just completed fishing in one of five fishing modes (the type of place or platform from which marine recreational fishing occurred):

- Charter boat
- Private/rental boat
- Beach/bank
- Man-made structure
- Head boat

The intercept survey in North Carolina continuously samples angler catches throughout the year. Intercept sampling is separated by mode and wave (two-month period).

A complete statewide list of access sites for marine recreational fishing is continuously updated at <https://apps-st.fisheries.noaa.gov/msd/>. Sites are chosen for interviewing by randomly selecting from access sites that are weighted by estimates of expected fishing activity. The sites are weighted to ensure that each angler trip has a representative probability of being included in the sample. Sampling is distributed among weekdays, weekends, and holidays.

Anglers are intercepted, screened, and interviewed at assigned access sites upon completion of their fishing trips. Data are recorded on standard APAIS coding forms (*see Appendix 2*). At heavy use sites, every attempt is made to intercept and interview all anglers. If that is not possible, angler counts are obtained to augment interviews. In 2005, NCDMF began routine sampling of head boats to obtain length data from discards.

Each intercept interview consists of:

- an introduction to the survey,
- an oral interview concerning the fishing trip just completed,
- thorough examination of the respondent's catch (visually inspect for correct species identification), and
- measurement of lengths and weights from all the fish in the respondent's catch (or if necessary, a random sample).

Interview procedures vary slightly among fishing modes:

- Private/rental/charter boat anglers are interviewed at boat ramps, marina slips, and hoists while they are leaving their boats or dockside while they are cleaning their boats.
- Anglers fishing from natural shorelines can be widely distributed along beaches and banks with multiple access points. Samplers often have to move from angler to angler within the defined boundaries of the site to obtain interviews.
- Man-made structures commonly have a single exit point where samplers can easily intercept departing anglers.
- Head boat sampling is conducted onboard the vessel at sea.

Interview procedures have been developed to allow separate recording of information on:

- catch unavailable for identification (Type B catch),
- available catch that cannot be easily subdivided among anglers,
- catch obtained during multiple-day boat trips, and
- at-sea discards from head boats.

Fish that are available for identification, enumeration, weighing, and measuring by the interviewers are called landings or Type A catch. Fish not brought ashore in whole form but used as bait, filleted, discarded dead, or are otherwise unavailable for inspection are called Type B1 catch. Finally, fish released alive are called Type B2 catch. Type A and Type B1 together comprise harvest, while all three types (A, B1, and B2) represent total catch.

Species such as flounder and kingfish are morphologically ambiguous and cannot be reliably identified to the species level by the angler. As such, discards are identified to the nearest taxonomic category and estimates of released catch are produced at the genus level. Because there are no sources of information with an appropriate timeline or area resolution that can be used to partition the released estimates of ambiguous congener species into their constituent species, Type A catch is used to delineate between them. For example, a ratio of Southern Flounder, Summer Flounder, and Gulf Flounder to total flounder observed is determined from the Type A catch at the estimation level (i.e., state, year, wave, area). These proportions of Southern, Summer, and Gulf Flounder are applied to the estimates of left-eyed flounder released (unobserved Type B2) catch to produce estimates of discards for each of the specific flounder species. An identical approach is applied to Kingfish (e.g., Gulf, Southern, Northern) as well as Spotted Seatrout and Weakfish.

For the Type B catch (fish not available for the interviewer's examination), information is only recorded for individual anglers. Beginning in 2005, head boat anglers were sampled at sea,

allowing accurate identification of Type B catch for the first time. For the Type A catch (fish available for inspection), grouped catch is allowed, except when in beach/bank mode. This is a concession to the fact that multiple anglers often will keep all their catch in a single container, and at the end of the trip, they are not sure who caught which fish.

Fishing Effort Survey

The FES mail survey employs a dual-frame design with two non-overlapping frames: 1) state residents sampled from the United States Postal Service computerized delivery sequence (CDS) file and 2) non-residents sampled from state-specific lists of licensed saltwater anglers. Non-residents are defined as individuals who were licensed to fish in one of the target states but lived in a different state. Sampling from the CDS uses a stratified design in which households with licensed anglers are identified prior to data collection. The address frame for each state is stratified into coastal and non-coastal strata defined by geographic proximity to the coast. For each wave and stratum, a simple random sample of addresses are selected from the CDS and matched to addresses of anglers who are licensed to fish within their state of residence. Non-resident anglers were sampled directly from state license databases. The sample frame for each of the targeted states consisted of unique household addresses that were not in the targeted state but had at least one person with a license to fish in the targeted state during the wave.

The FES mail survey (*see Appendix 3*) collects fishing effort data for all household residents, including the number of saltwater fishing trips by fishing mode (shore and private boat). The FES is a self-administered mail survey, administered for six, two-month reference waves annually. The initial survey mailing is sent one week prior to the end of the reference wave so that materials are received right at the end of that wave. This initial mailing is delivered by regular, first-class mail and includes a cover letter stating the purpose of the survey, a survey questionnaire, a postage-paid return envelope, and a \$2 cash incentive. One week after the initial mailing, a follow-up, thank you and reminder postcard is mailed via regular first-class mail to all sampled addresses. For addresses that could be matched to a landline telephone number, an automated voice message is also delivered as a reminder to complete and return the questionnaire. Three weeks after the initial survey mailing, a final mailing is delivered to all addresses that have not yet responded to the survey.

Effort Estimates

In the MRIP, fishing effort is defined as the estimated number of fishing trips taken by individual anglers. The number of individual fishing trips is estimated for each state, coastal county, mode, and bimonthly wave. Total effort represents residents who are coastal, non-coastal, and out-of-state. Data from the mail survey of households are used to calculate the mean number of trips per household in each fishing mode during each wave.

The FES estimates fishing effort by residents of sampled states in number of angler-trips. The basic approach uses a Horvitz-Thompson total estimator with sample weights that reflect sample inclusion probabilities, a nonresponse adjustment, and a post-stratification adjustment to known population totals. A final adjustment that accounts for non-resident (i.e., out of frame) fishing

activity is applied to estimate total effort by fishing mode. This adjustment is derived from the APAIS.

After the final effort estimates are generated, they are stratified into primary fishing areas to produce effort estimates by state, mode, wave, and area. An area is defined by the distance offshore where the fishing took place. The areas are inland, ocean ≤ 3 miles, and ocean > 3 miles, although this can vary from state to state (see *Appendix III.4 for complete definitions and discussion*). Within each state, wave, and mode, trips are allocated to a primary fishing area in proportion to the number of interviewed anglers in that state, wave, and mode who made trips in that area. The intent is to produce effort estimates at a level that is suitable for multiplication with catch per angler trip estimates from the intercept survey.

Catch Estimates

The catch of each finfish species is estimated for each sub-region, state, fishing mode, primary fishing area, and wave. The total number of fish caught in a particular fishing mode and area of fishing is estimated from:

- the estimated number of fishing trips taken in that state, wave, mode, and area; and
- the mean number of fish caught per trip taken in that state, wave, mode, and area.

Not all fish that are caught by intercepted anglers are available for the interviewer's inspection. The intercept interview and the estimation procedures distinguish between those fish brought ashore in whole form, and those not brought ashore in whole form:

- Fish that are available for identification, enumeration, weighing and measuring by the interviewers are called landings or Type A catch.
- Fish not brought ashore in whole form but used as bait, filleted, or discarded dead are called Type B1 catch (Type A and Type B1 together comprise harvest).
- Fish released alive are called Type B2 catch.

Catch per trip estimates and expanded catch estimates are made for these three types of catch. Total catch is the sum of Type A catch, Type B1 catch, and Type B2 catch. The purpose is to distinguish between those species identified and measured by trained interviewers, and those species reported to the interviewers by anglers. Anglers occasionally misidentify species; therefore, their reported measurements are subject to several types of bias.

As noted above, only individual interviews are allowed for Type B catch, while for Type A catch some amount of clustering is allowed and accounted for in the estimation. Self-weighting estimators of catch per trip were used, meaning that the site selection methodology (giving sites with more anglers a higher probability of being sampled) ensures all angler trips have an equal probability of being included in the sample.

Lengths and weights are obtained by sampling the fish caught and brought ashore in whole form by intercepted anglers. Therefore, estimated weights can only be calculated directly for Type A catch fish. Since the size composition of the remainder of the total catch (Type B1 catch and Type B2 catch) is unknown and may differ from that of the fish represented in Type A catch, estimating the weight of the remainder of the catch is not possible without assumptions.

In estimating the weight of harvested fish (Type A and B1 catch), we assume that the mean weight of the Type B1 catch is equal to that of the Type A catch for each sub-region, state, mode, primary area, wave, and species.

Most of the trips sampled in the intercept survey are completed trips with anglers being interviewed only at the end of the fishing trip. Some incomplete trips are sampled in the shore mode which are converted into complete trips by multiplying the recorded catch per hour by the anticipated total trip length. Once catch per trip estimates have been produced for each sub-region, state, wave, mode, area, species, and catch type, they can be multiplied by the appropriate effort estimate to produce estimates of total catch. For estimates of total harvest weight, these total catch estimates are in turn multiplied by the average weight per measured fish in the appropriate mode and area.

Catch estimates are obtained using information from both the dockside interviews and mail/telephone surveys using the following formula:

$$(\text{Angler Trips}) * (\text{Average Catch Per Angler Trip}) = \text{Total Catch}$$

where trips equal the total number of finfish trips by mode and area, average catch per trip is the mean catch by species, mode, and area, and total catch is the total of each species by mode and area.

Catch estimates have been calibrated by NOAA to create a fully compatible timeseries of data that spans from 1981 to the present.

Precision of Estimates

The harvest numbers and pounds presented in this chapter are estimates and measures of precision are necessary in order to interpret the estimates correctly. Precision refers to the variability in the data relative to the estimate. Measures of precision begin with estimating the variance of the estimate. The square root of the variance returns the standard error which is a commonly used measure of precision.

The standard error is necessary for calculating confidence intervals around an estimate. Confidence intervals are typically calculated with 95% confidence, meaning that we have a 95% certainty that the true population value is within this range. Confidence intervals are well suited for graphing variation around estimates. Confidence intervals are calculated as:

$$\text{estimate } +/- 1.96 * \text{standard error.}$$

The standard error is also used to calculate the percent standard error (PSE). A small PSE indicates a more precise estimate than does a large PSE. A PSE of 20% or less is generally considered acceptable in fisheries data. PSE values as calculated as:

$$\text{PSE} = \text{standard error} / \text{estimate} * 100.$$

SURVEY LIMITATIONS

Rare Event and Pulse Species

Species that seldom occur in recreational catches are referred to as rare event species. They include such species as Tripletail, Atlantic Tarpon, Swordfish, Gulf Flounder, etc. Pulse fisheries target species such as Cobia that are highly migratory and only occur seasonally in North Carolina waters, as well as species such as Red Snapper which have a very limited recreational season. For both rare event and pulse fishery species, samplers are unable to intercept enough anglers with these species in their catch to produce precise estimates of catch.

Anadromous Species

The MRIP is only conducted in saltwater and brackish water areas, along with tidal portions of sounds, bays, and rivers. Freshwater areas are not included in the survey. Alternative methods for assessing recreational catch of freshwater resident species and anadromous species such as American Shad, Hickory Shad, and Striped Bass must be considered (*see Chapter IV*).

CONTACTS

The MRIP is administered by the NOAA Fisheries Office of Science & Technology, Fisheries Statistics Division. Several states, including North Carolina, manage the dockside sampling portion of the survey. Catch and effort estimates by year and species are available back to 1981. In North Carolina, this project is supported, in part, by the US Fish and Wildlife Service through the Sport Fish restoration Program, Grant F-31. For additional information regarding the survey or to request data not presented in this report, please contact:

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Table III.1 North Carolina marine recreational finfish harvest by species/group.

Species/Group	Number Harvested		Pounds Harvested	
	2023	2022	2023	2022
Amberjacks	25,393	5,494	407,891	79,771
Barracudas	2,428	1,939	25,677	29,368
Bass, Sea	272,964	159,979	460,175	256,867
Bass, Striped ¹	0	0	0	0
Bluefish	1,261,404	1,533,911	1,492,689	1,645,410
Bonito, Atlantic	72,973	12,301	268,260	70,411
Cobia	629	12,330	12,523	306,411
Croaker, Atlantic	597,690	1,110,382	201,056	481,721
Dolphin	292,185	117,803	2,129,648	962,267
Drum, Black	348,374	264,634	973,869	1,710,528
Drum, Red	232,133	336,280	1,120,661	1,615,108
Flounder, Southern	77,885	70,945	192,168	166,102
Flounder, Summer	20,164	10,591	34,192	22,151
Groupers	47,993	4,498	342,872	54,664
Grunts	43,570	32,829	63,988	20,701
Jacks	55,564	13,135	82,516	22,876
Kingfishes	3,003,875	5,594,758	1,316,752	1,631,041
Mackerel, King	79,987	38,512	1,130,711	375,164
Mackerel, Spanish	1,204,175	1,898,755	1,216,236	1,841,527
Perch, Silver	3,811	4,432	1,092	776
Pigfish	490,705	1,190,673	197,723	448,404
Pinfish	1,328,754	1,016,021	352,853	151,153
Pompano, Florida	91,178	584,682	70,418	105,344
Porgies	22,117	5,287	20,354	8,994
Puffers	1,945,427	1,902,765	964,014	966,751
Seatrout, Spotted	1,002,906	1,963,400	1,923,165	3,756,040
Sharks	12,245	2,153	25,234	16,909
Sharks, Dogfishes	55,431	5,214	272,276	14,461
Sheepshead	263,328	387,924	619,265	1,024,623
Snappers	155,816	60,797	180,881	135,665
Spot	855,729	1,197,145	300,052	375,168
Tuna, Bluefin ^{2,3}	103	35	19,311	9,018
Tuna, Yellowfin	30,588	38,924	895,304	1,450,166
Tunny, Little	31,443	38,772	168,654	234,922
Wahoo	20,434	9,657	379,586	232,436
Weakfish	75,329	112,095	89,115	105,060

¹ Striped Bass landings reflect Atlantic Ocean catches only.

² Landings for Bluefin Tuna shown by Highly Migratory Species fishing year (January 1 through December 31).

³ Bluefin Tuna are collected from a catch card program, not MRIP, and are therefore not included in the Recreational Total Pounds Harvested value.

NOTE: The number and pounds of finfish listed represent estimated harvest; finfish released alive are not included. Recreational finfish catches from head boats are not included in this table. The National Marine Fisheries Service collected head boat data separately in 2017.

Table III.2 North Carolina marine recreational finfish overall harvest and released finfish.

Year	Number Harvested	Pounds Harvested	Number Released
2023	16,481,811	19,948,674	57,116,843
2022	21,414,770	21,258,305	77,102,244
2021	21,978,023	19,039,915	60,060,649
2020	18,954,501	24,915,542	53,523,311
2019	22,991,602	23,819,357	58,780,769
2018	16,167,035	20,064,976	62,467,785
2017	24,992,736	27,434,020	73,343,486
2016	29,612,819	28,782,892	79,311,111
2015	32,029,176	29,382,094	76,359,197
2014	35,266,582	26,160,399	79,350,225

Table III.3 North Carolina marine recreational fishing trip estimates by mode (numbers).

Year	Beach/Bank	Charter Boat	Manmade	Private/Rental Boat	Total
2023	5,334,761	355,612	5,938,745	4,166,632	15,795,750
2022	5,981,160	148,488	9,249,542	5,196,023	20,575,213
2021	5,397,877	158,800	7,905,354	4,482,582	17,944,614
2020	5,542,658	214,822	5,228,098	5,413,655	16,399,233
2019	6,711,048	160,692	6,022,357	4,645,743	17,539,840
2018	6,879,419	147,992	5,317,495	4,279,401	16,624,306
2017	9,756,701	149,438	7,501,407	5,044,731	22,452,276
2016	10,015,663	140,575	6,142,216	4,860,391	21,158,845
2015	8,742,675	114,043	6,473,202	4,992,920	20,322,840
2014	6,455,196	96,432	7,478,913	4,895,957	18,926,498

Table III.4 Coastal counties ranked by number of fishing trips in North Carolina for each year.

Year	County	Estimated Trips	PSE
2023	DARE	5,873,927	10
	CARTERET	4,707,159	7
	BRUNSWICK	1,146,499	13
	PENDER	1,087,628	17
	NEW HANOVER	1,071,037	13
2022	DARE	7,611,822	10
	CARTERET	6,164,562	7
	ONslow	2,576,100	17
	NEW HANOVER	1,377,374	18
	BRUNSWICK	890,821	12
2021	DARE	6,090,215	8
	CARTERET	4,824,475	8
	ONslow	1,614,677	13
	BRUNSWICK	1,370,609	12
	PENDER	1,288,971	15
2020	DARE	5,573,533	8
	CARTERET	4,554,771	9
	NEW HANOVER	1,507,697	11
	BRUNSWICK	1,101,258	11
	ONslow	1,069,869	11
2019	DARE	7,354,026	9
	CARTERET	5,295,986	7
	ONslow	1,203,816	16
	BRUNSWICK	1,154,589	15
	NEW HANOVER	1,057,175	13
2018	DARE	7,187,646	10
	CARTERET	3,864,159	8
	BRUNSWICK	1,256,637	15
	HYDE	1,198,122	36
	NEW HANOVER	1,076,808	13
2017	DARE	10,469,975	12
	CARTERET	5,719,582	6
	NEW HANOVER	1,538,761	12
	ONslow	1,192,732	18
	PENDER	1,078,504	33
2016	DARE	9,861,251	7
	CARTERET	5,069,328	8
	BRUNSWICK	1,621,461	13
	NEW HANOVER	1,401,464	16
	ONslow	961,766	18
2015	DARE	8,556,337	13
	CARTERET	5,041,544	9
	NEW HANOVER	1,751,151	12
	BRUNSWICK	1,657,700	13
	ONslow	1,070,111	17
2014	DARE	6,321,030	7
	CARTERET	4,742,811	7
	BRUNSWICK	1,932,597	17
	ONslow	1,886,791	10
	NEW HANOVER	1,724,734	13

Table III.5 Directed trips for major species in North Carolina by year.

Species/Group	2023		2022		2021		2020		2019	
	Trips	PSE	Trips	PSE	Trips	PSE	Trips	PSE	Trips	PSE
Amberjacks	41,474	22	15,337	32	17,839	22	33,020	28	18,384	32
Barracudas	12,614	27	7,318	21	18,794	25	25,784	25	25,651	38
Bass, Sea	848,390	9	1,225,466	16	684,862	11	643,220	9	604,696	10
Bass, Striped ¹	18,355	74	116,610	89	26,562	66	5,575	49	28,346	50
Bluefish	2,190,836	9	3,051,267	9	1,803,957	10	2,413,181	7	2,699,198	9
Bonito, Atlantic	70,182	31	42,155	40	46,390	24	38,808	31	25,061	37
Cobia	120,292	22	185,183	18	166,810	21	312,696	29	187,491	21
Croaker, Atlantic	1,146,067	9	2,096,344	9	2,167,915	9	1,232,119	13	1,213,097	8
Dolphin	170,724	18	82,203	17	138,823	14	143,188	12	173,192	13
Drum, Black	521,520	14	552,130	20	631,590	12	505,090	9	584,856	13
Drum, Red	2,337,167	10	3,549,392	8	3,120,360	7	3,282,914	9	2,687,752	10
Flounder, Southern	84,611	27	82,423	23	128,111	33	117,467	18	129,363	18
Flounder, Summer	22,170	55	12,480	34	11,816	45	22,075	32	26,646	24
Groupers	83,561	28	49,771	26	34,072	18	37,318	22	16,005	29
Grunts	110,160	30	53,059	26	53,711	26	25,820	22	28,016	35
Jacks	68,834	19	76,837	26	46,523	43	79,562	26	70,311	30
Kingfishes	1,471,614	9	2,362,388	9	2,416,602	11	2,081,293	11	2,208,273	10
Mackerel, King	404,696	13	504,070	15	460,692	12	509,011	13	384,858	13
Mackerel, Spanish	1,269,590	10	1,614,173	10	1,303,075	10	1,098,206	9	1,320,690	11
Perch, Silver	32,607	32	88,129	40	97,129	49	50,336	28	72,037	21
Pigfish	506,510	11	831,152	14	521,758	14	342,287	11	461,144	12
Pinfish	2,449,286	7	2,646,356	10	2,188,157	9	1,523,456	7	1,950,971	7
Pompano, Florida	312,499	27	538,958	21	654,386	18	518,913	27	688,384	18
Porgies	27,469	43	8,110	49	26,673	33	8,407	32	15,841	37
Puffers	1,270,025	10	1,333,232	11	747,407	10	730,700	15	1,280,586	13
Seatrout, Spotted	2,169,753	8	3,484,759	9	2,778,386	7	3,215,043	7	2,867,512	6
Sharks	606,293	13	659,432	21	595,844	10	540,966	12	511,818	13
Sharks, Dogfishes	202,301	26	25,225	43	48,143	62	75,565	13	172,527	44
Sheepshead	601,430	12	670,829	19	582,413	16	303,465	12	311,630	14
Snappers	76,465	31	38,951	26	53,389	26	30,509	20	23,465	31
Spot	1,002,083	11	1,185,012	11	1,118,836	11	833,461	11	1,062,156	10
Tuna, Bluefin	15,436	37	14,355	74	6,323	51	25,619	33	13,507	32
Tuna, Yellowfin	28,785	22	42,658	28	48,775	19	70,031	21	48,751	24
Tunny, Little	57,466	20	73,488	21	66,589	19	175,456	18	115,587	22
Wahoo	57,601	22	34,309	32	47,063	24	73,485	23	43,329	19
Weakfish	207,172	17	387,900	17	268,131	20	168,832	21	112,100	18

¹ Striped Bass landings reflect Atlantic Ocean catches only.

NOTE: Directed trips are defined as trips that either targeted or caught one of the listed species.

Table III.5 Directed trips for major species in North Carolina by year (continued).

Species/Group	2018		2017		2016		2015		2014	
	Trips	PSE	Trips	PSE	Trips	PSE	Trips	PSE	Trips	PSE
Amberjacks	19,875	35	24,525	36	53,459	22	90,736	37	21,881	26
Barracudas	21,974	32	16,482	36	10,188	35	15,801	40	6,637	42
Bass, Sea	495,216	11	1,039,820	9	953,779	13	815,686	9	840,380	9
Bass, Striped ¹	28,388	42	33,198	35	166,707	45	84,416	99	115,779	81
Bluefish	3,031,288	10	3,607,642	17	3,215,530	8	3,304,015	11	2,975,448	6
Bonito, Atlantic	18,257	30	30,551	60	15,679	34	20,128	52	28,278	33
Cobia	294,837	17	297,397	18	348,421	17	323,583	16	249,890	17
Croaker, Atlantic	1,093,754	9	1,529,511	9	1,538,692	9	2,164,315	7	2,060,194	8
Dolphin	245,040	13	197,705	15	282,195	14	313,234	14	172,691	20
Drum, Black	773,315	14	1,116,780	20	888,866	16	1,009,945	13	581,627	18
Drum, Red	3,478,377	14	4,177,390	17	3,591,001	12	3,338,696	14	2,812,586	9
Flounder, Southern	160,632	15	180,380	14	239,686	13	190,903	16	184,178	15
Flounder, Summer	63,083	25	93,785	28	64,793	27	99,133	22	134,547	18
Groupers	6,426	28	21,112	28	37,721	29	51,609	20	36,935	28
Grunts	20,808	41	33,249	30	47,667	44	36,088	30	16,909	37
Jacks	69,054	23	82,945	38	225,167	20	126,635	24	126,555	30
Kingfishes	1,660,806	12	2,295,765	9	2,769,147	11	2,634,029	12	2,596,146	9
Mackerel, King	417,690	15	387,664	13	289,037	15	376,312	12	420,680	13
Mackerel, Spanish	1,072,569	10	1,040,206	14	996,722	10	923,412	9	1,117,060	9
Perch, Silver	33,798	32	148,394	23	196,467	35	58,405	29	96,719	25
Pigfish	492,024	11	689,082	16	854,721	10	994,797	10	966,077	10
Pinfish	1,986,620	7	2,728,141	7	2,770,699	7	2,857,190	8	3,211,496	7
Pompano, Florida	631,684	15	727,233	17	664,506	17	771,005	19	619,091	15
Porgies	5,529	42	40,179	40	37,693	55	35,051	37	12,902	40
Puffers	490,330	28	946,254	14	1,458,494	14	1,732,754	14	448,769	19
Seatrout, Spotted	1,606,853	11	2,587,553	7	2,397,634	8	1,524,968	11	2,216,556	8
Sharks	667,070	15	894,405	11	690,280	11	799,999	11	989,493	9
Sharks, Dogfishes	64,213	28	65,906	46	143,952	32	284,234	47	204,476	28
Sheepshead	350,785	14	526,915	19	260,311	17	324,644	15	280,575	19
Snappers	6,501	36	39,251	39	29,989	58	21,513	45	15,585	43
Spot	948,789	10	1,187,369	13	981,491	11	1,694,669	11	2,269,868	8
Tuna, Bluefin	16,583	81	29,276	34	49,167	16	11,728	61	19,834	44
Tuna, Yellowfin	54,138	27	89,525	17	120,076	20	40,563	25	42,991	24
Tunny, Little	95,959	22	131,006	17	120,801	15	92,064	31	87,970	38
Wahoo	47,741	20	74,666	19	83,613	23	99,224	24	70,998	26
Weakfish	97,928	24	143,710	16	281,719	15	416,219	20	235,197	15

¹ Striped Bass landings reflect Atlantic Ocean catches only.

NOTE: Directed trips are defined as trips that either targeted or caught one of the listed species.

Table III.6 Amberjack, Greater recreational catch in North Carolina by year.

Year	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number	PSE (release)	Mean Length (inches)	Mean Weight (lb)
2023	405,535	45	22,085	44	30,009	41	32.64	18.36
2022	79,265	26	5,387	30	7,694	64	29.78	14.72
2021	159,419	30	8,946	29	3,301	35	32.50	17.82
2020	212,826	35	10,714	35	12,326	43	34.03	19.86
2019	81,769	41	4,236	39	4,980	50	32.89	19.30
2018	227,441	40	11,742	43	2,243	56	34.23	19.37
2017	157,091	28	6,653	27	6,229	32	35.09	23.61
2016	305,372	33	18,608	33	31,318	42	32.01	16.41
2015	360,417	25	16,436	23	10,128	84	34.28	21.93
2014	94,629	33	5,004	36	1,935	56	33.31	18.91

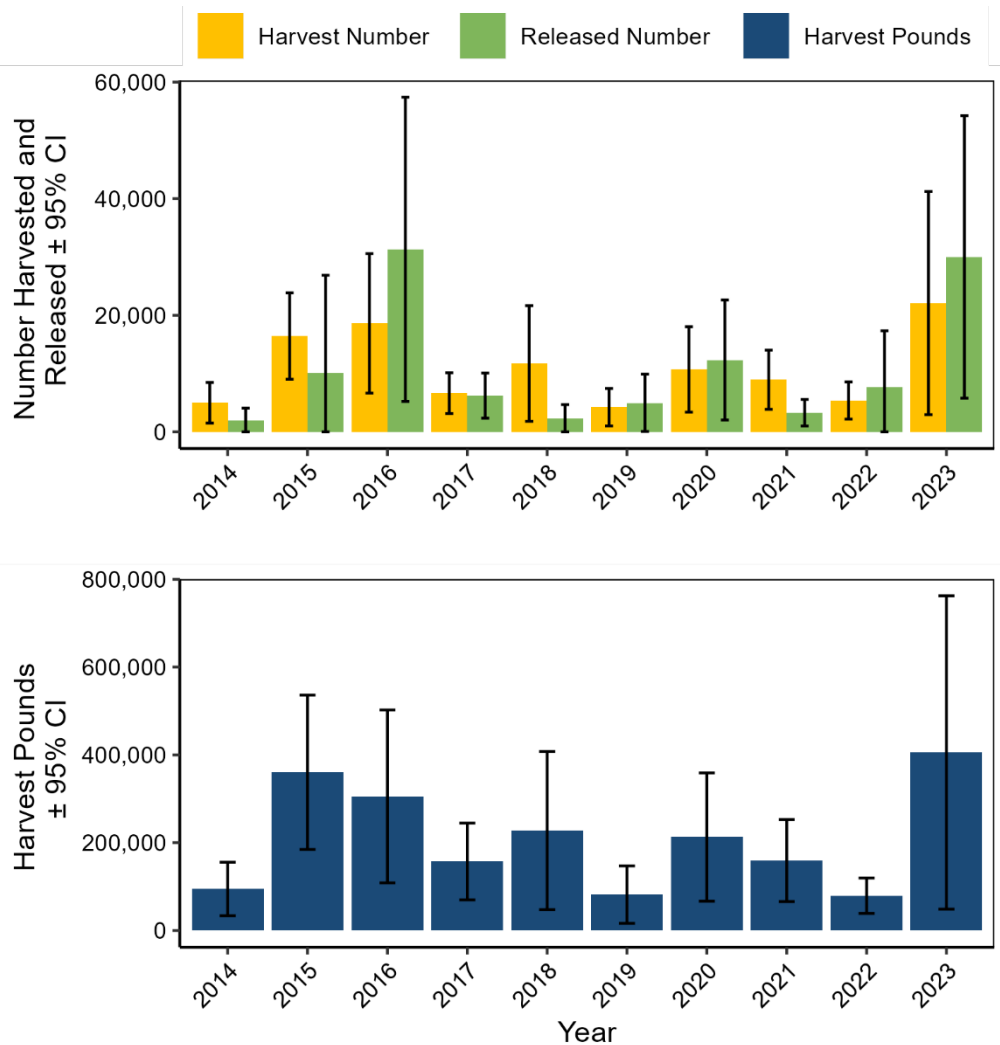


Figure III.1 Amberjack, Greater recreational catch in North Carolina by year.

Table III.7 Amberjack, Greater recreational catch by state, 2023.

State	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number	PSE (release)	Mean Length (inches)	Mean Weight (lb)
East Florida	577,306	30	36,218	29	5,898	89	30.13	15.94
Georgia	269	108	16	108	6	106	30.94	16.98
North Carolina	405,535	45	22,085	44	30,009	41	32.64	18.36
South Carolina	42,114	61	2,784	60	19,282	82	30.97	15.13
Virginia	6,660	97	472	97	41	96	29.56	14.11

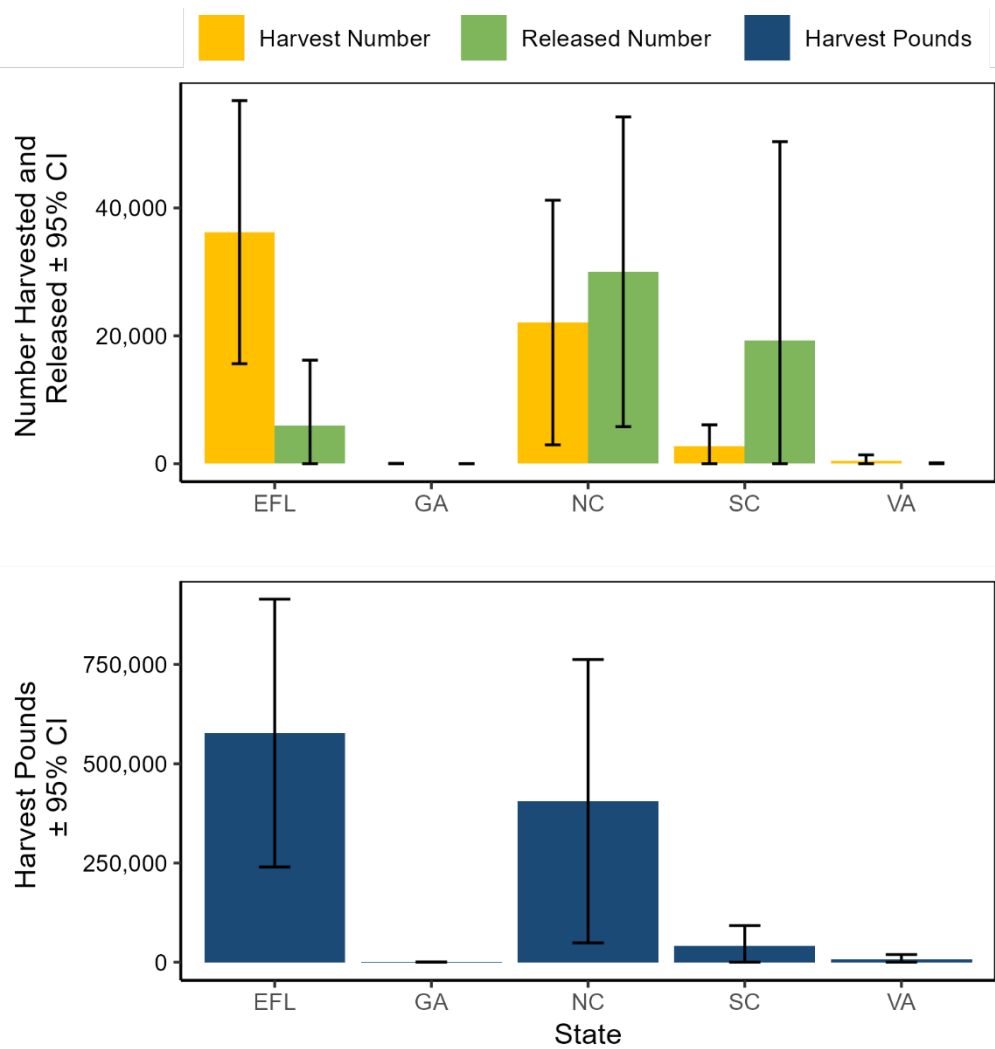


Figure III.2 Amberjack, Greater recreational catch by state, 2023.

Table III.8 Barracuda, Great recreational catch in North Carolina by year.

Year	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number	PSE (release)	Mean Length (inches)	Mean Weight (lb)
2023	25,677	26	2,428	25	8,680	44	34.13	10.58
2022	29,368	34	1,939	30	3,177	40	38.75	15.15
2021	33,469	25	2,936	24	21,844	48	35.84	11.40
2020	72,196	34	7,694	34	15,723	39	33.87	9.38
2019	15,529	31	1,661	29	30,700	43	32.93	9.35
2018	52,304	35	5,848	37	19,937	55	33.03	8.94
2017	76,501	80	2,771	58	15,683	40	46.95	27.61
2016	27,950	54	2,420	55	5,599	42	35.72	11.55
2015	22,806	40	3,844	46	9,561	42	27.51	5.93
2014	36,960	84	2,564	80	2,358	58	41.31	14.41

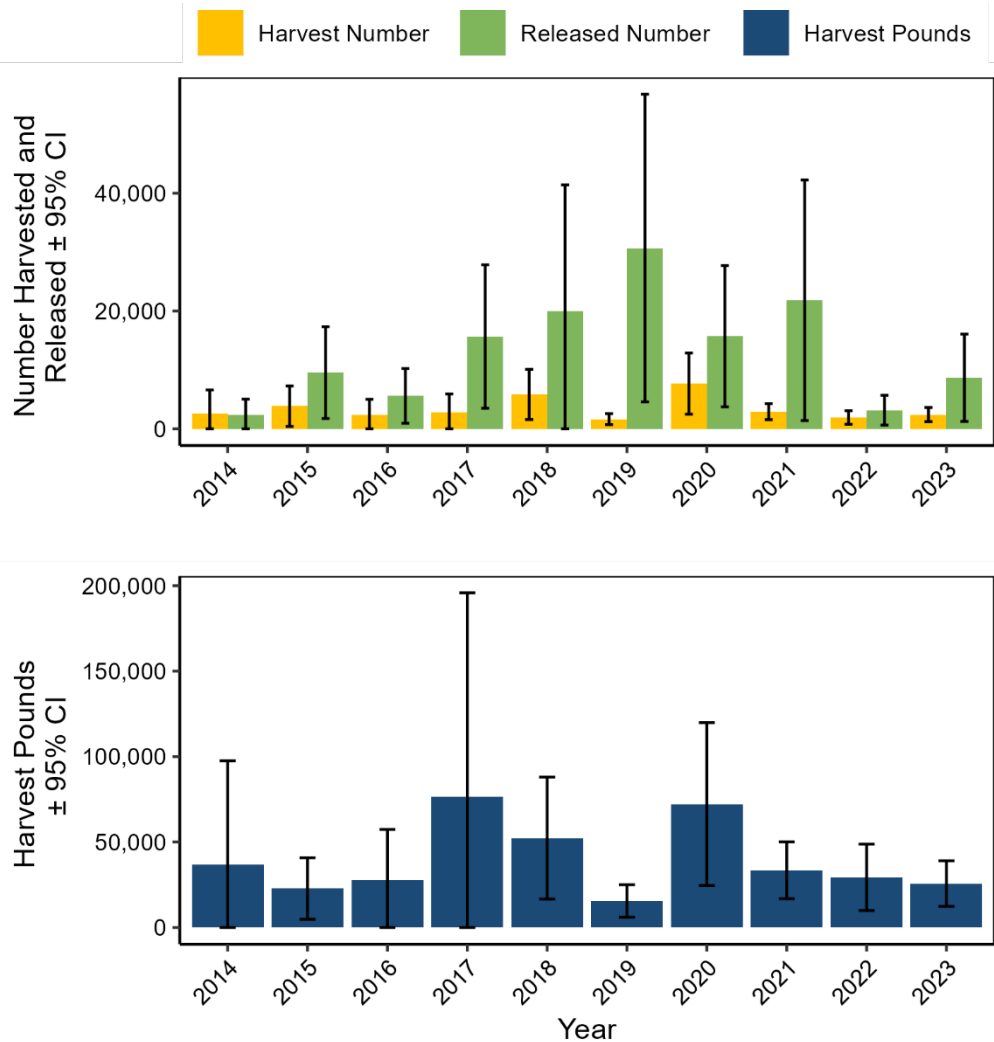


Figure III.3 Barracuda, Great recreational catch in North Carolina by year.

Table III.9 Barracuda, Great recreational catch by state, 2023.

State	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number	PSE (release)	Mean Length (inches)	Mean Weight (lb)
East Florida	1,230,394	16	279,903	22	461,961	16	23.87	4.40
Georgia	88,962	79	7,497	78	3,860	92	36.54	11.87
North Carolina	25,677	26	2,428	25	8,680	44	34.13	10.58
South Carolina	167,137	102	11,685	101	21,655	55	40.05	14.30
Virginia	0	-	0	-	86	84	-	-

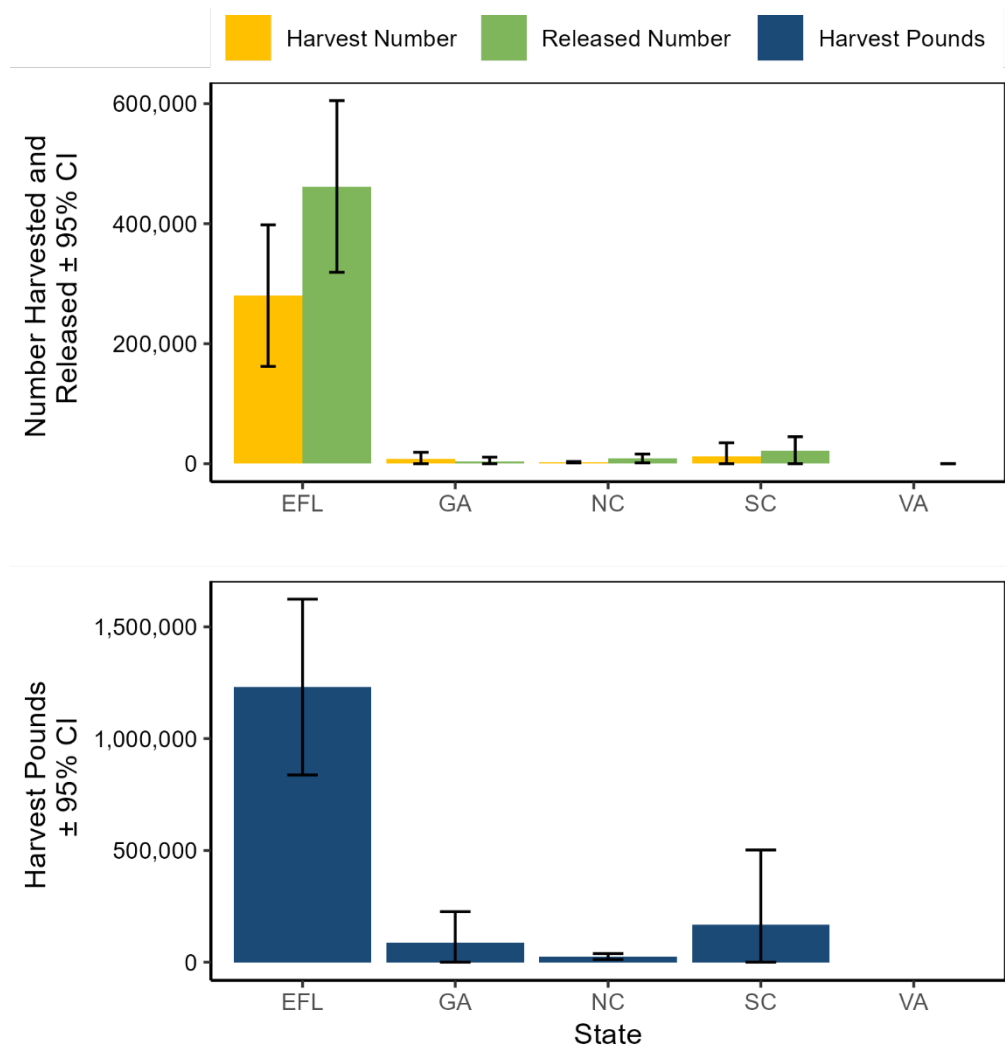


Figure III.4 Barracuda, Great recreational catch by state, 2023.

Table III.10 Bass, Black Sea recreational catch in North Carolina by year.

Year	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number	PSE (release)	Mean Length (inches)	Mean Weight (lb)
2023	458,951	27	270,479	27	3,764,788	13	14.64	1.70
2022	253,302	39	151,867	33	4,675,553	17	14.64	1.67
2021	79,195	31	50,612	30	2,172,902	11	14.57	1.56
2020	195,098	27	133,096	27	2,438,922	11	13.92	1.47
2019	220,377	52	151,999	50	2,802,990	18	14.28	1.45
2018	116,825	32	86,153	33	2,223,800	17	13.57	1.36
2017	539,910	31	316,925	29	6,190,501	14	14.74	1.70
2016	302,925	32	194,512	31	5,536,050	14	14.46	1.56
2015	455,100	32	319,653	33	5,036,500	19	14.02	1.42
2014	563,662	32	332,594	32	5,022,908	16	14.72	1.69

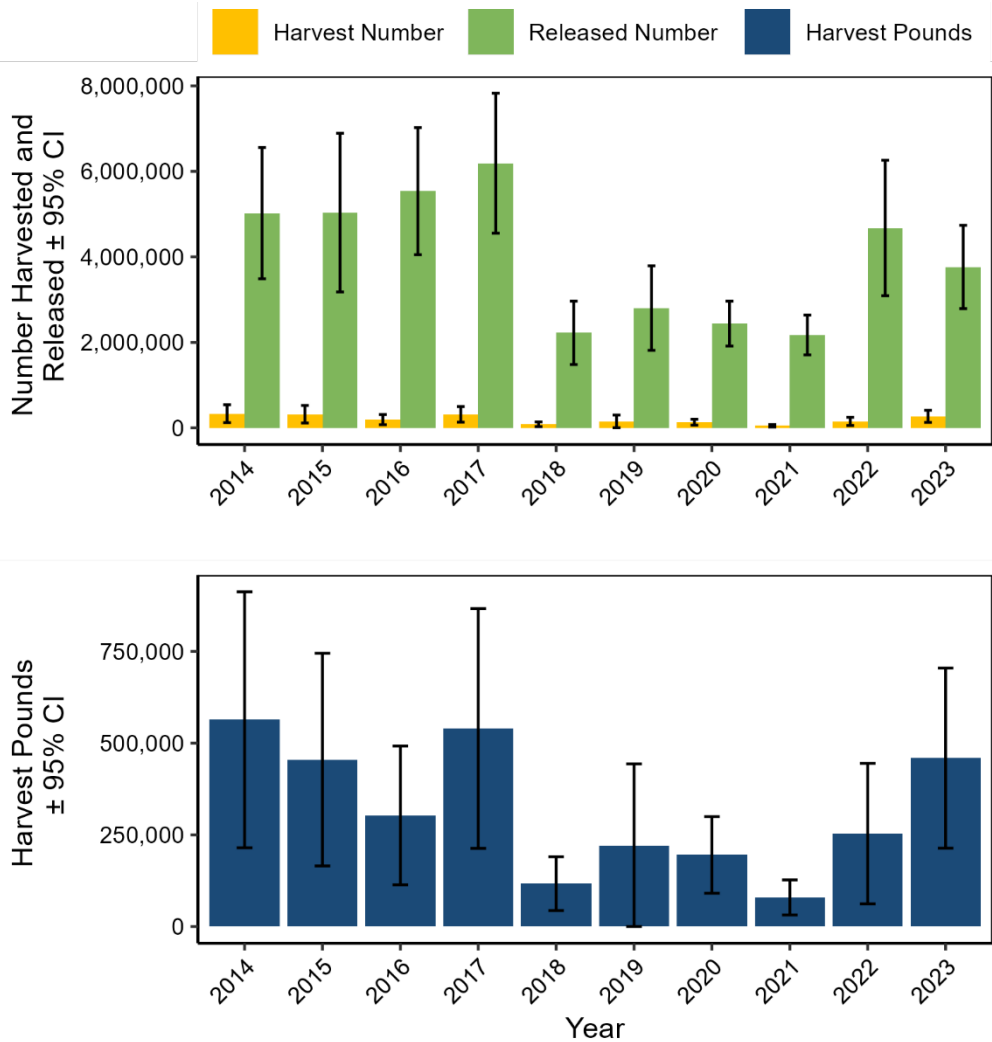


Figure III.5 Bass, Black Sea recreational catch in North Carolina by year.

Table III.11 Bass, Black Sea recreational catch by state, 2023.

State	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number	PSE (release)	Mean Length (inches)	Mean Weight (lb)
Connecticut	529,986	17	252,255	18	2,613,880	16	17.26	2.1
Delaware	365,792	29	304,147	30	1,201,893	29	14.04	1.2
East Florida	104,601	43	84,099	39	963,083	24	13.35	1.24
Georgia	47,564	53	37,127	49	269,861	25	13.42	1.28
Maine	2,902	94	1,547	94	548	61	16.81	1.88
Maryland	293,693	34	213,270	32	884,362	18	14.12	1.38
Massachusetts	921,629	23	404,197	21	2,546,905	19	17.07	2.28
New Hampshire	0	-	0	-	23,662	100	-	-
New Jersey	2,074,924	17	1,659,627	16	10,927,885	12	14	1.25
New York	1,597,046	19	817,666	19	10,797,509	19	16.61	1.95
North Carolina	458,951	27	270,479	27	3,764,788	13	14.64	1.7
Rhode Island	566,092	15	270,468	14	3,447,730	16	17.12	2.09
South Carolina	35,512	61	36,890	64	1,570,407	18	12.35	0.96
Virginia	1,004,356	47	547,783	44	2,792,809	20	16.01	1.83

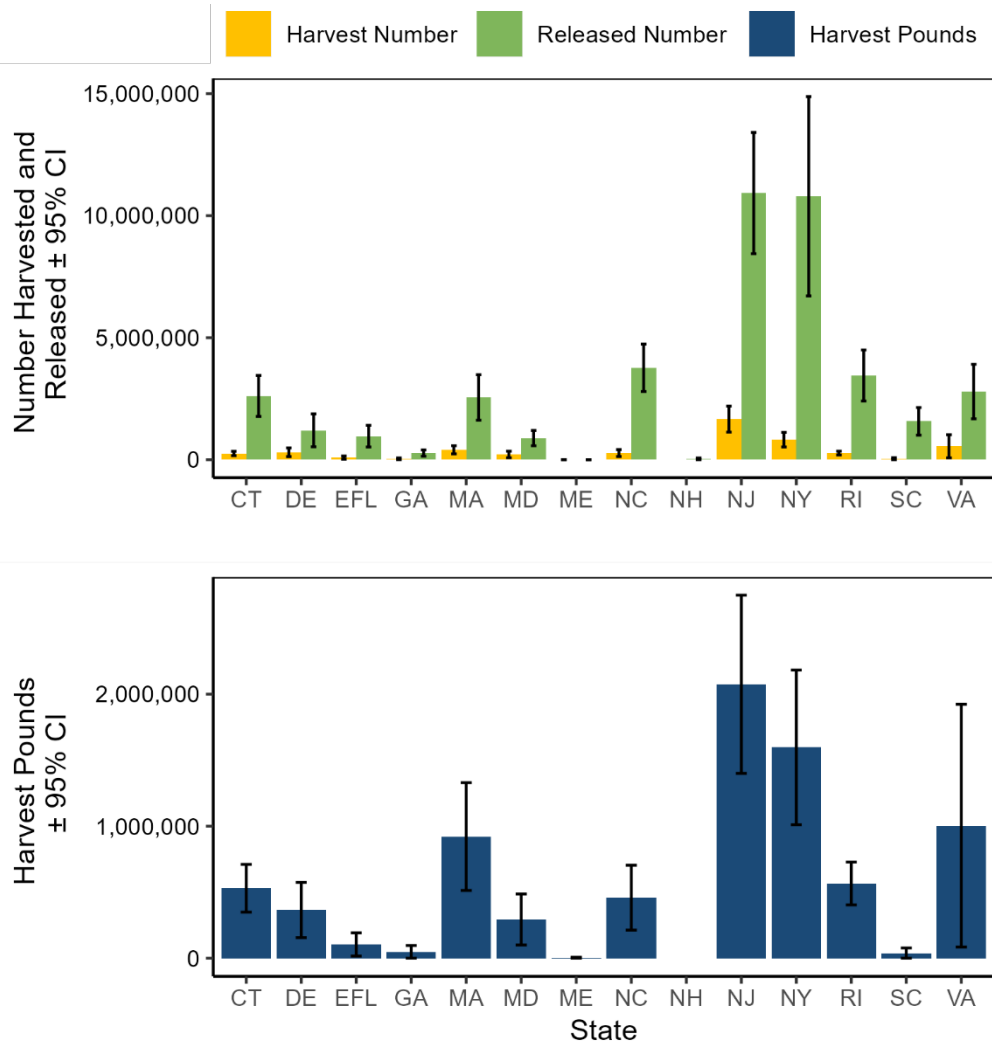


Figure III.6 Bass, Black Sea recreational catch by state, 2023.

Table III.12 Bass, Striped¹ recreational catch in North Carolina by year.

Year	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number	PSE (release)	Mean Length (inches)	Mean Weight (lb)
2023	0	-	0	-	25,403	98	-	-
2022	0	-	0	-	34,518	100	-	-
2021	0	-	0	-	27,665	66	-	-
2020	0	-	0	-	3,520	23	-	-
2019	0	-	0	-	4,521	47	-	-
2018	366	100	25	100	15,850	50	33.98	14.44
2017	0	-	0	-	48,410	41	-	-
2016	15,962	100	4,177	100	84,545	33	20.09	3.82
2015	-	-	-	-	-	-	-	-
2014	0	-	0	-	2,122	100	-	-

¹ Includes Striped Bass harvested from the Atlantic Ocean during Waves 1 and 6 only.

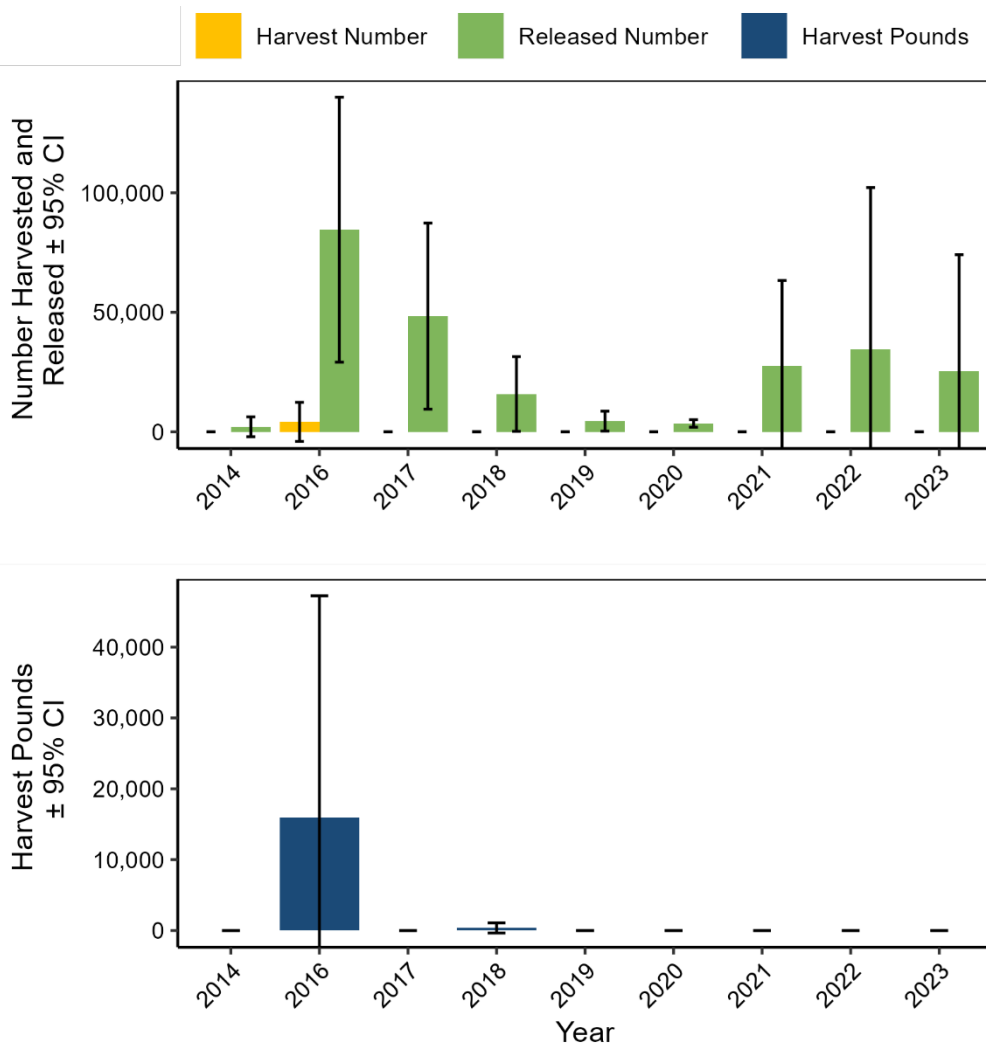


Figure III.7 Bass, Striped recreational catch in North Carolina from the Atlantic Ocean by year.

Table III.13 Bass, Striped¹ recreational catch by state, 2023.

State	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number	PSE (release)	Mean Length (inches)	Mean Weight (lb)
Connecticut	8,309	51	910	47	109,685	19	28.21	9.13
Delaware	0	-	0	-	35,248	46	-	-
Maine	149,690	31	18,155	31	524,894	25	27.4	8.25
Maryland	28,213	106	2,509	106	27,873	20	29.55	11.24
Massachusetts	1,395,156	22	147,176	22	1,158,527	23	28.42	9.48
New Hampshire	112,920	50	11,993	50	231,512	30	28.05	9.42
New Jersey	3,710,836	25	372,844	25	5,000,345	34	28.32	9.95
New York	2,374,425	47	224,714	48	1,726,835	34	29.46	10.57
North Carolina	0	-	0	-	25,403	68	-	-
Rhode Island	149,194	45	13,324	39	454,463	24	29.44	11.2

¹Includes Striped Bass harvested from the Atlantic Ocean during Waves 1 and 6 only.

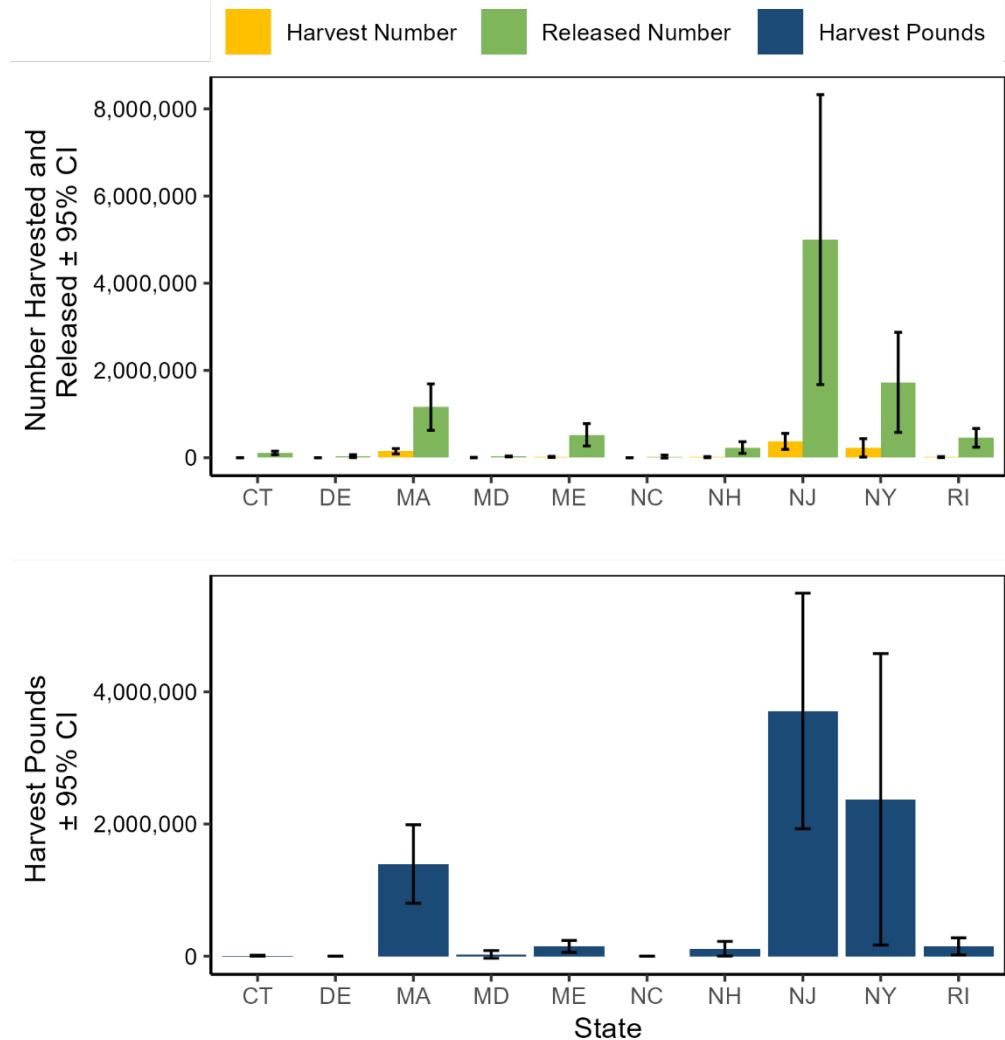


Figure III.8 Bass, Striped recreational catch from the Atlantic Ocean by state, 2023.

Table III.14 Bluefish recreational catch in North Carolina by year.

Year	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number	PSE (release)	Mean Length (inches)	Mean Weight (lb)
2023	1,492,689	13	1,261,404	12	4,775,374	12	13.04	1.18
2022	1,645,410	17	1,533,911	15	9,336,045	23	11.77	1.07
2021	1,031,760	14	982,389	14	3,539,333	22	12.53	1.05
2020	2,124,224	22	2,108,296	21	6,557,751	20	12.49	1.01
2019	3,011,480	22	2,752,589	23	7,162,431	22	12.95	1.09
2018	2,630,685	12	3,304,587	13	7,912,210	16	11.34	0.80
2017	3,634,502	28	3,173,218	18	8,255,510	30	12.31	1.15
2016	3,356,049	17	4,489,223	17	6,802,960	19	11.27	0.75
2015	3,754,577	14	4,123,461	14	6,356,252	15	12.00	0.91
2014	3,764,005	14	4,418,858	13	5,862,762	13	12.03	0.85

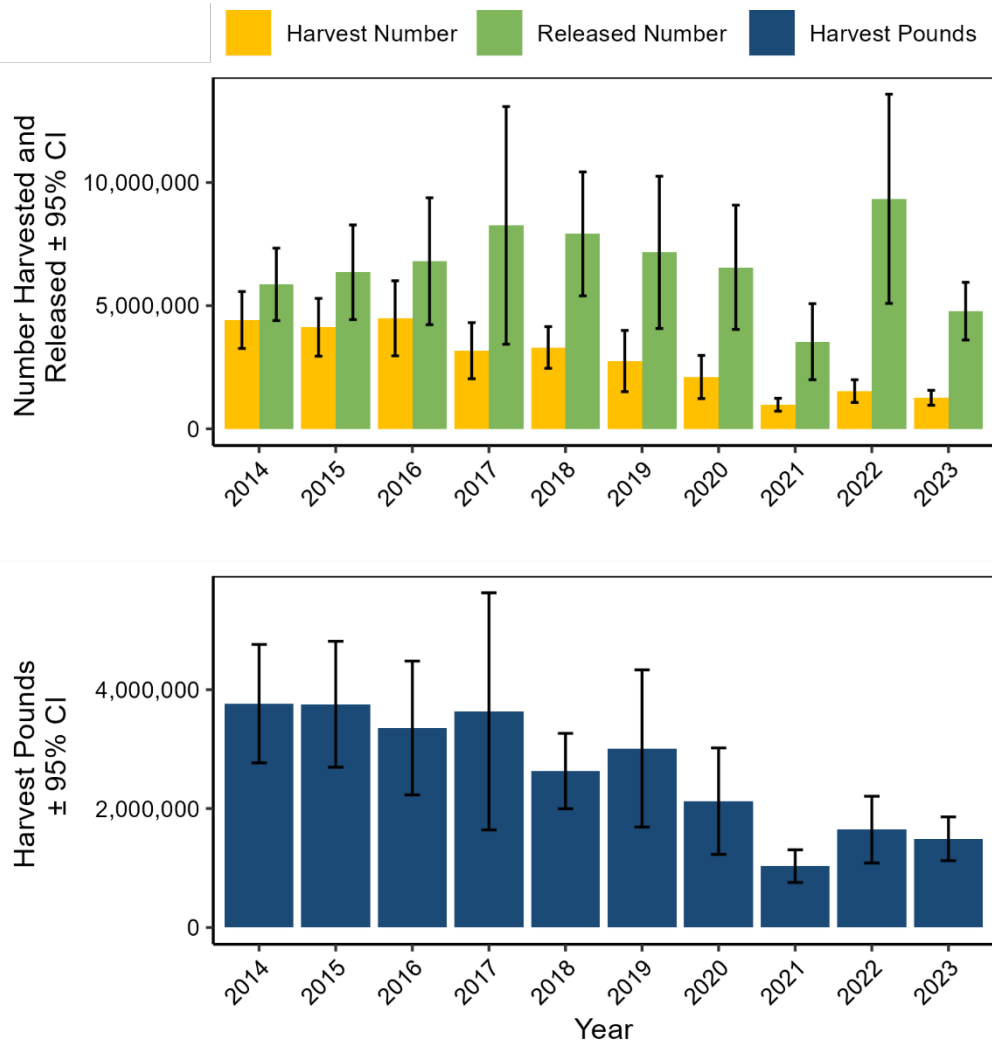


Figure III.9 Bluefish recreational catch in North Carolina by year.

Table III.15 Bluefish recreational catch by state, 2023.

State	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number	PSE (release)	Mean Length (inches)	Mean Weight (lb)
Connecticut	878,736	21	169,992	28	747,449	24	19.43	5.17
Delaware	125,318	42	40,123	38	503,723	26	18.26	3.12
East Florida	1,268,330	33	753,806	31	2,799,237	52	15.06	1.68
Georgia	40,873	42	47,510	42	226,062	25	11.89	0.86
Maine	14,816	65	1,722	69	220,251	35	27.73	8.61
Maryland	373,220	30	210,655	41	462,370	33	13.26	1.77
Massachusetts	1,409,298	22	177,623	24	924,332	29	25.10	7.93
New Hampshire	13,757	68	1,629	59	12,529	40	26.15	8.44
New Jersey	939,417	25	539,405	24	1,962,251	21	13.62	1.74
New York	3,133,569	24	666,846	22	1,808,436	17	20.49	4.70
North Carolina	1,492,689	13	1,261,404	12	4,775,374	12	13.04	1.18
Rhode Island	865,389	30	141,138	32	452,778	33	23.44	6.13
South Carolina	220,193	18	316,982	19	2,003,091	34	11.00	0.69
Virginia	250,620	37	224,759	33	558,213	27	12.29	1.12

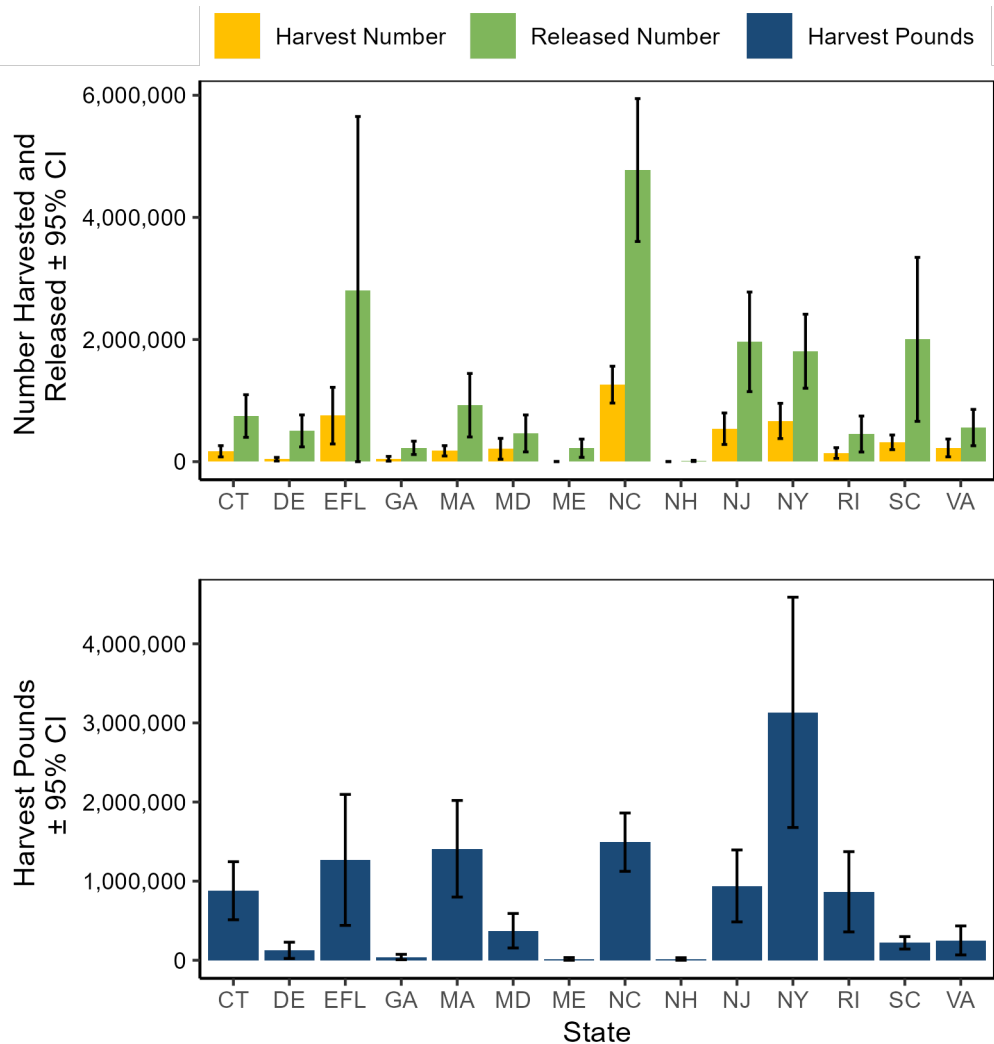


Figure III.10 Bluefish recreational catch by state, 2023.

Table III.16 Bonito, Atlantic recreational catch in North Carolina by year.

Year	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number	PSE (release)	Mean Length (inches)	Mean Weight (lb)
2023	268,260	37	72,973	40	31,929	70	17.75	3.68
2022	70,411	46	12,301	45	11,762	71	20.89	5.72
2021	104,789	29	20,177	27	7,793	44	20.65	5.19
2020	179,803	48	52,337	51	23,817	55	17.83	3.44
2019	122,931	49	35,874	67	24,033	66	17.06	3.43
2018	42,879	50	12,576	42	11,745	66	18.07	3.41
2017	9,578	53	1,999	46	40,094	76	18.80	4.79
2016	22,127	60	3,411	65	10,196	45	21.49	6.49
2015	102,408	43	16,973	45	1,325	61	21.57	6.03
2014	91,228	54	18,380	49	59,925	63	20.07	4.96

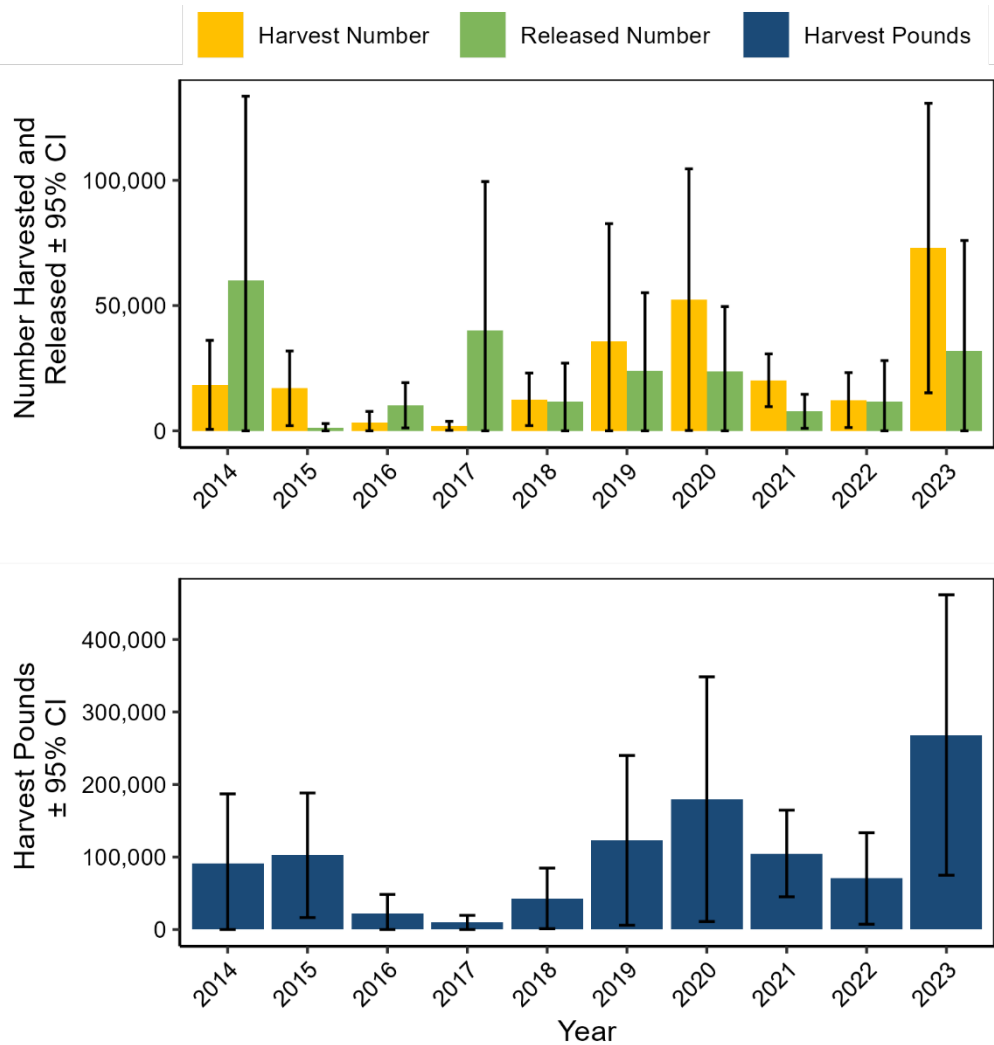


Figure III.11 Bonito, Atlantic recreational catch in North Carolina by year.

Table III.17 Bonito, Atlantic recreational catch by state, 2023.

State	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number	PSE (release)	Mean Length (inches)	Mean Weight (lb)
Connecticut	2,537	87	1,275	87	6,343	76	14.88	1.99
Delaware	1,319	86	571	86	88	86	15.82	2.31
Georgia	6,440	92	1,273	69	2,273	103	20.06	5.06
Maryland	10,018	70	4,576	59	0	-	15.28	2.19
Massachusetts	32,188	53	12,169	52	10,913	60	15.63	2.65
New Hampshire	0	-	0	-	2,972	95	-	-
New Jersey	48,539	54	27,179	46	25,322	51	14.46	1.79
New York	74,764	45	25,921	39	7,618	94	16.47	2.88
North Carolina	268,260	37	72,973	40	31,929	70	17.75	3.68
Rhode Island	44,504	34	23,891	33	27,654	62	14.43	1.86
South Carolina	1,491	90	751	90	0	-	15.63	1.98
Virginia	5,805	110	2,803	110	0	-	15.75	2.07

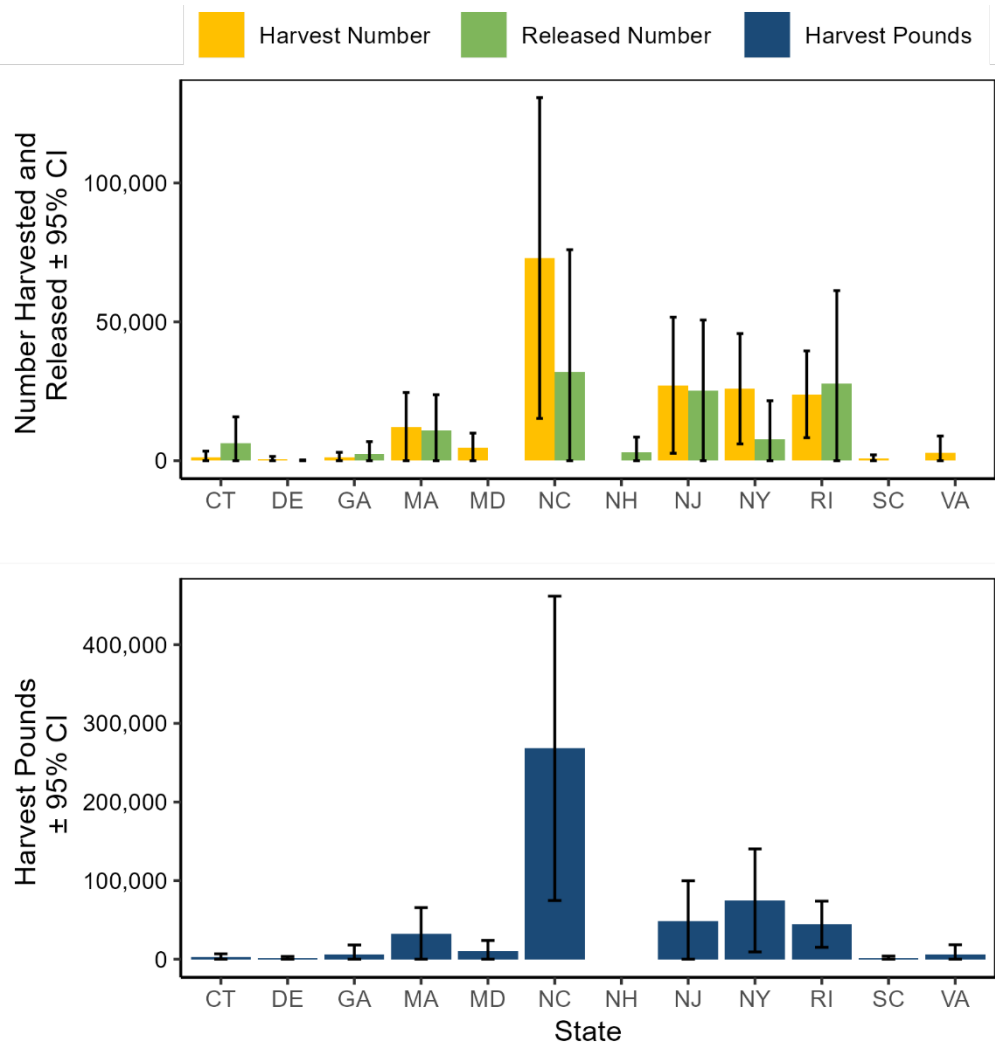


Figure III.12 Bonito, Atlantic recreational catch by state, 2023.

Table III.18 Cobia recreational catch in North Carolina by year.

Year	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number	PSE (release)	Mean Length (inches)	Mean Weight (lb)
2023	12,523	51	629	53	32,590	40	35.90	19.92
2022	306,411	45	12,330	47	46,777	27	41.76	24.85
2021	356,340	48	10,970	39	40,136	33	42.76	32.48
2020	407,883	34	15,067	38	51,158	24	40.85	27.07
2019	254,963	37	10,090	39	38,285	23	40.26	25.27
2018	685,962	29	25,331	33	68,219	23	40.66	27.08
2017	872,861	45	25,025	46	125,251	44	43.45	34.88
2016	838,363	45	26,421	45	39,237	27	42.69	31.73
2015	1,925,762	30	47,110	28	44,254	31	44.15	40.88
2014	645,427	36	24,601	36	32,184	29	39.27	26.24

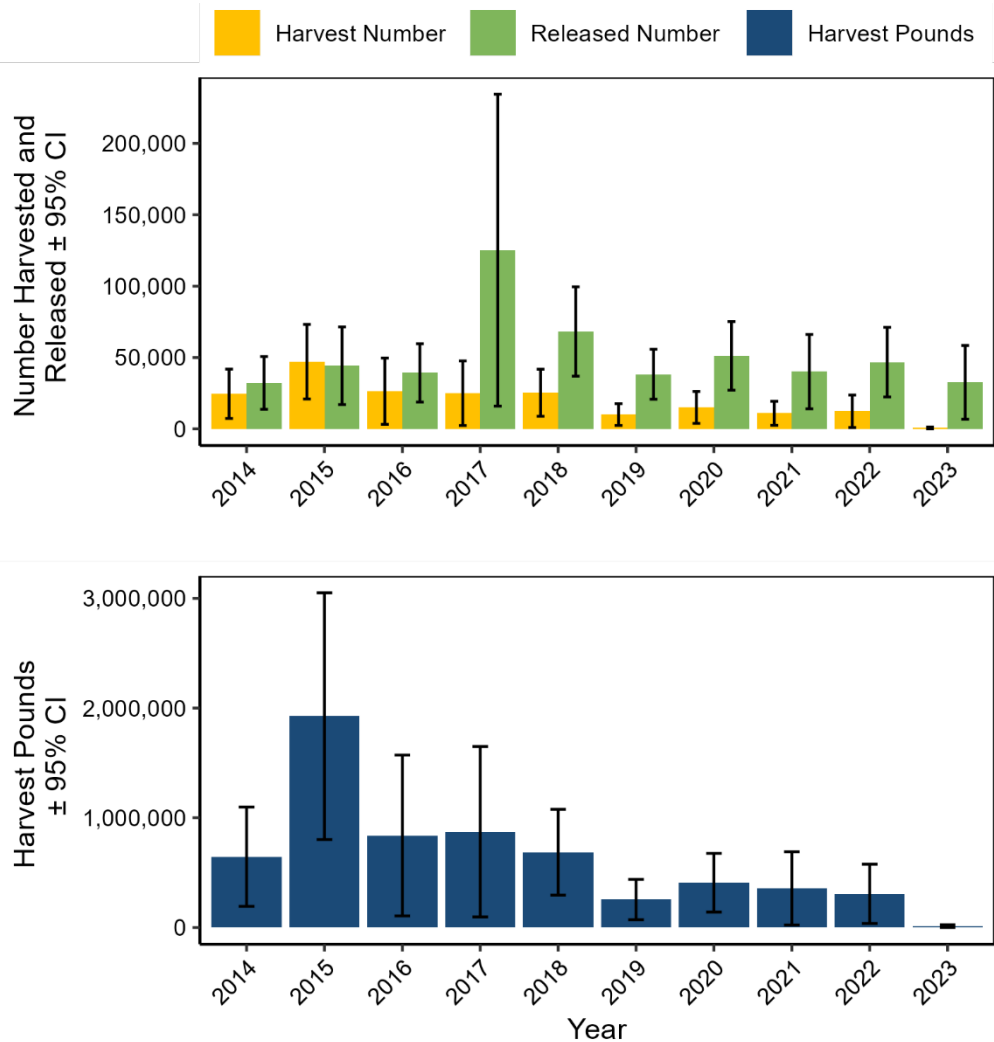


Figure III.13 Cobia recreational catch in North Carolina by year.

Table III.19 Cobia recreational catch by state, 2023.

State	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number	PSE (release)	Mean Length (inches)	Mean Weight (lb)
East Florida	549,835	39	26,030	40	157,328	29	37.35	21.12
Georgia	212,679	56	11,368	56	28,894	46	35.82	18.71
Massachusetts	0	-	0	-	1,554	100	-	-
New Jersey	0	-	0	-	3,582	88	-	-
North Carolina	12,523	51	629	53	32,590	40	35.9	19.92
Rhode Island	0	-	361	72	450	100	-	-
South Carolina	87,486	65	4,129	62	39,864	41	36.99	21.19
Virginia	2,467,557	38	81,824	34	141,956	38	41.25	30.16

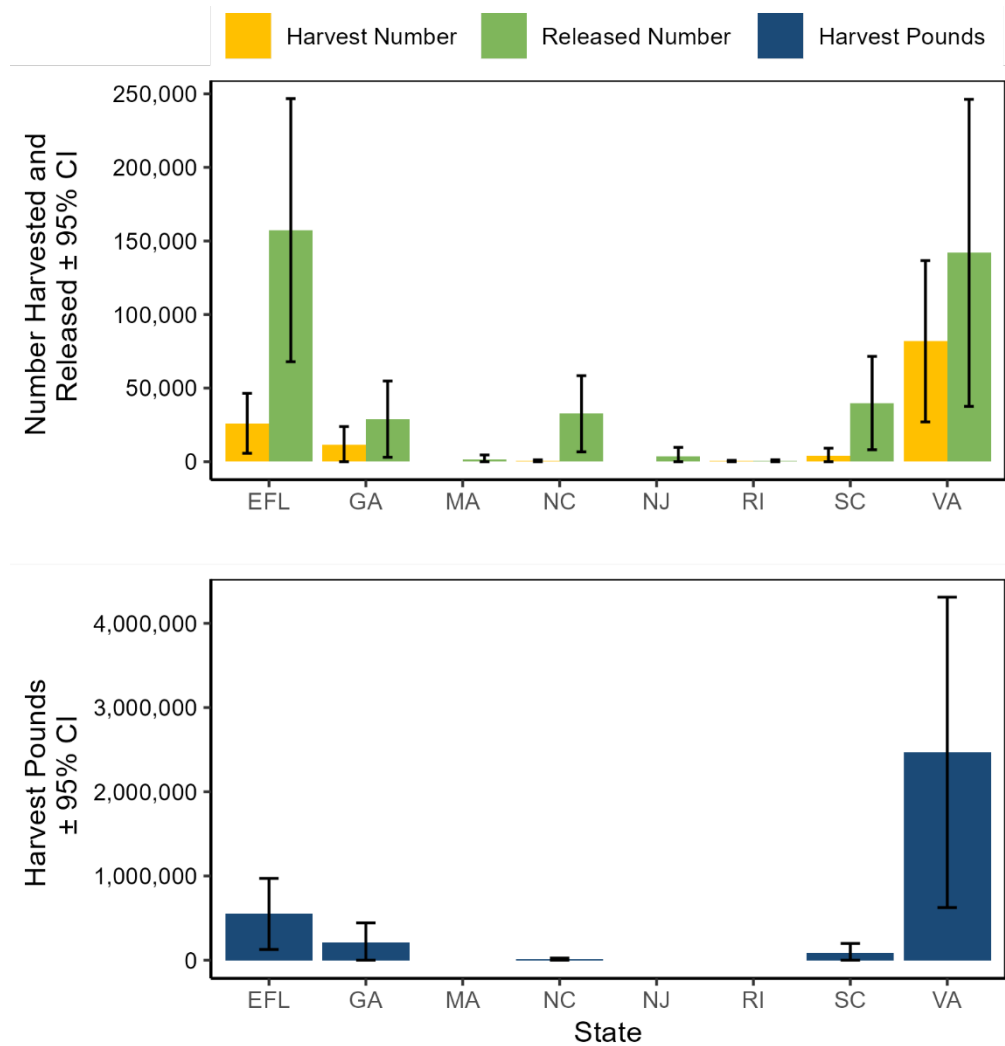


Figure III.14 Cobia recreational catch by state, 2023.

Table III.20 Croaker, Atlantic recreational catch in North Carolina by year.

Year	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number	PSE (release)	Mean Length (inches)	Mean Weight (lb)
2023	201,056	20	597,690	24	4,722,440	16	9.10	0.34
2022	481,721	28	1,110,382	28	7,914,042	18	9.30	0.43
2021	376,121	14	1,066,533	14	9,539,047	12	8.85	0.35
2020	223,685	21	673,377	22	5,560,605	14	8.92	0.33
2019	224,337	23	651,268	21	3,634,211	12	9.02	0.34
2018	164,644	16	472,917	16	4,311,368	13	8.89	0.35
2017	237,160	17	666,930	17	4,631,445	13	9.03	0.36
2016	443,728	17	1,109,570	16	7,254,382	15	9.26	0.40
2015	557,735	16	1,437,019	15	9,632,560	11	9.22	0.39
2014	758,751	17	1,935,961	22	10,347,332	14	9.11	0.39

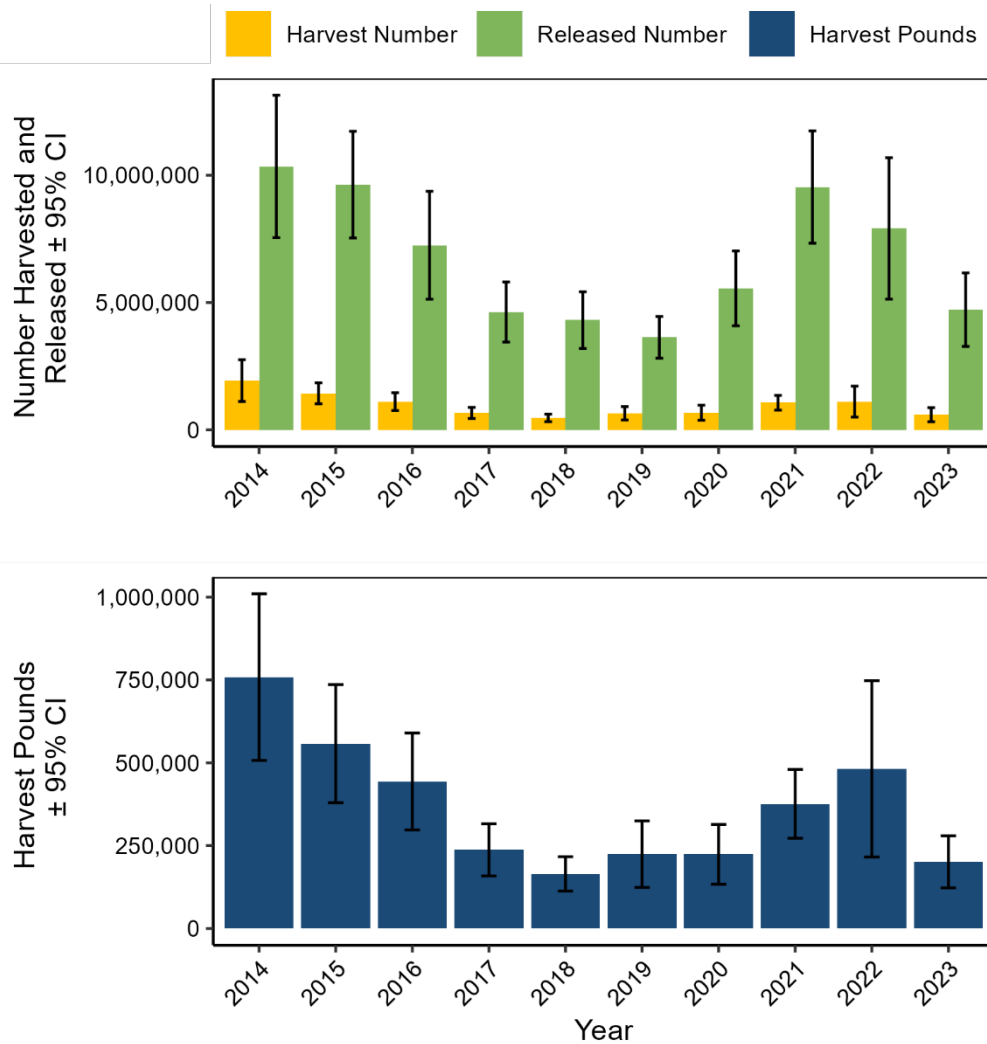


Figure III.15 Croaker, Atlantic recreational catch in North Carolina by year.

Table III.21 Croaker, Atlantic recreational catch by state, 2023.

State	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number	PSE (release)	Mean Length (inches)	Mean Weight (lb)
Delaware	42,567	39	86,227	35	588,623	20	9.57	0.49
East Florida	584,977	44	890,684	37	1,166,700	24	11.25	0.66
Georgia	116,558	32	535,875	33	1,643,243	16	7.39	0.22
Maryland	40,788	58	151,628	56	2,939,081	15	7.75	0.27
Massachusetts	0	-	0	-	531	103	-	-
New Jersey	31,709	52	104,481	56	1,380,298	32	8.25	0.3
New York	0	-	0	-	1,076	101	-	-
North Carolina	201,056	20	597,690	24	4,722,440	16	9.1	0.34
South Carolina	313,242	22	779,691	23	13,901,122	20	9.32	0.4
Virginia	499,010	21	2,364,942	23	8,537,665	22	7.85	0.21

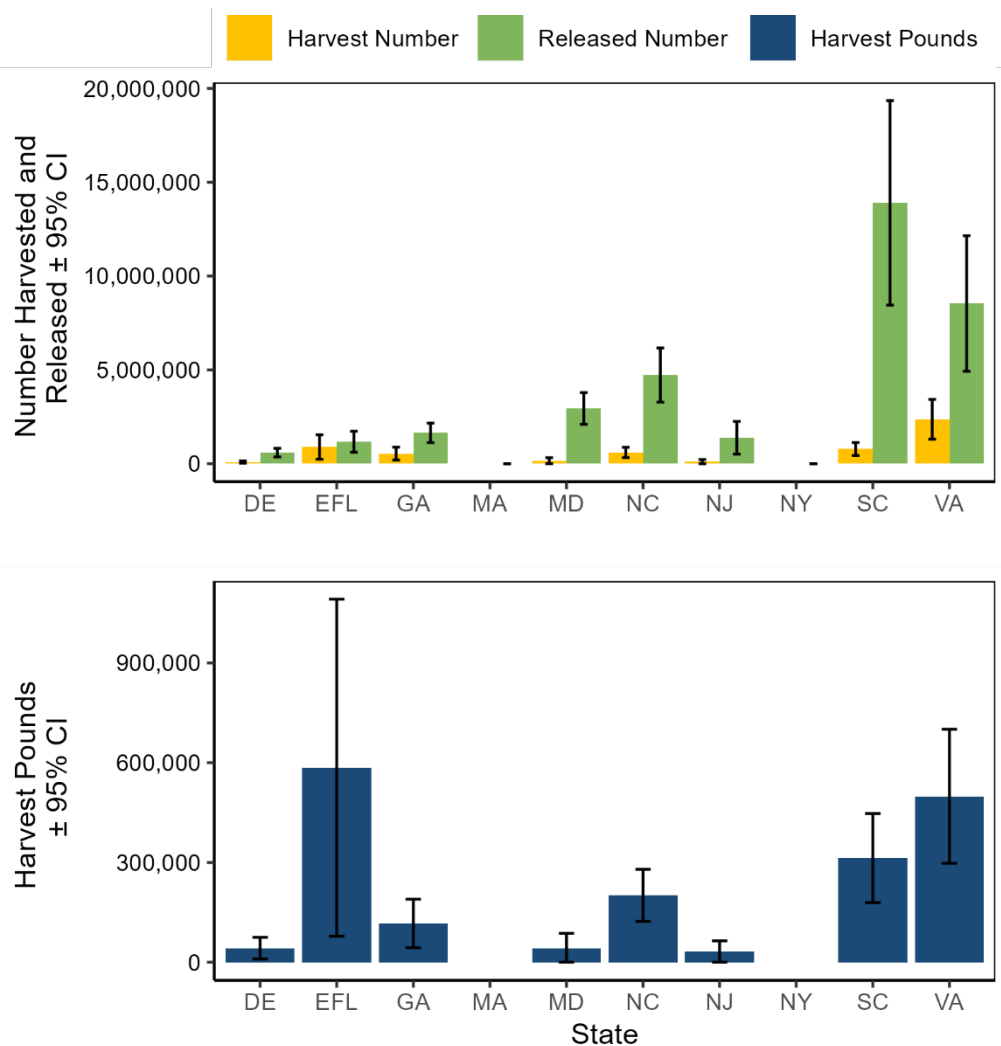


Figure III.16 Croaker, Atlantic recreational catch by state, 2023.

Table III.22 Dolphinfish recreational catch in North Carolina by year.

Year	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number	PSE (release)	Mean Length (inches)	Mean Weight (lb)
2023	2,129,648	32	292,185	28	35,353	67	26.92	7.29
2022	962,267	25	117,803	25	521	91	27.86	8.17
2021	1,945,342	19	268,012	17	25,108	72	26.16	7.26
2020	2,149,038	22	262,372	19	26,902	62	27.95	8.19
2019	3,147,384	20	458,086	19	35,286	51	25.70	6.87
2018	3,318,532	15	495,435	16	27,959	42	25.58	6.70
2017	2,223,509	21	279,932	21	3,035	39	28.02	7.94
2016	5,099,647	19	480,860	17	2,520	61	31.10	10.61
2015	5,610,008	25	740,023	23	73,872	80	27.04	7.58
2014	2,933,166	26	403,203	27	6,731	56	26.99	7.27

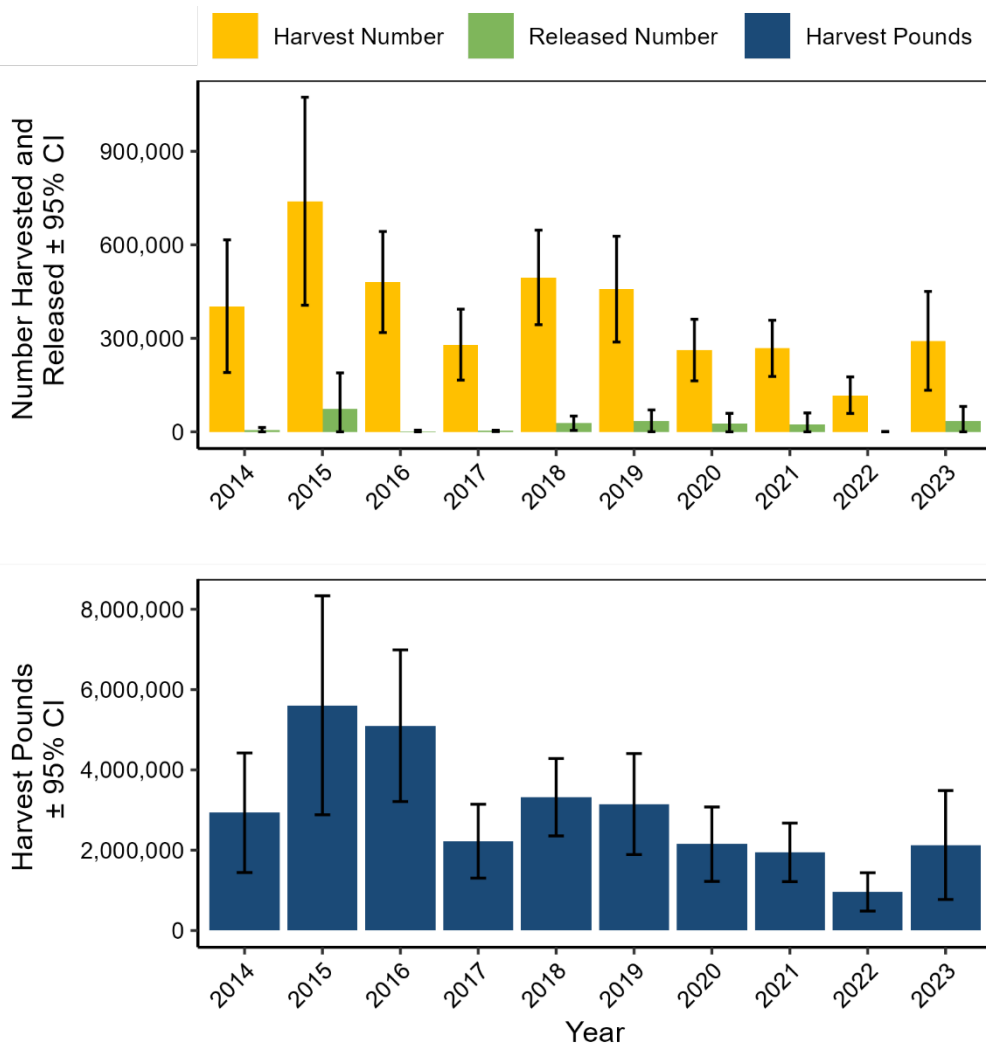


Figure III.17 Dolphinfish recreational catch in North Carolina by year.

Table III.23 Dolphinfish recreational catch by state, 2023.

State	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number	PSE (release)	Mean Length (inches)	Mean Weight (lb)
Connecticut	10,509	88	4,205	91	0	-	18.69	2.5
Delaware	29,188	56	26,189	61	5,560	64	14.25	1.11
East Florida	2,627,826	16	481,865	16	513,603	26	24.76	5.45
Maryland	353,670	36	100,800	39	8,676	31	20.65	3.51
Massachusetts	0	-	0	-	6,646	102	-	-
New Jersey	112,058	49	60,821	51	39,243	60	16.79	1.84
New York	57,624	62	20,575	58	13,693	104	18.54	2.8
North Carolina	2,129,648	32	292,185	28	35,353	67	26.92	7.29
Rhode Island	112,040	48	67,892	46	14,215	58	15.59	1.65
South Carolina	1,872,689	63	177,645	61	2,061	101	31.84	10.54
Virginia	182,321	53	82,289	60	0	-	17.56	2.22

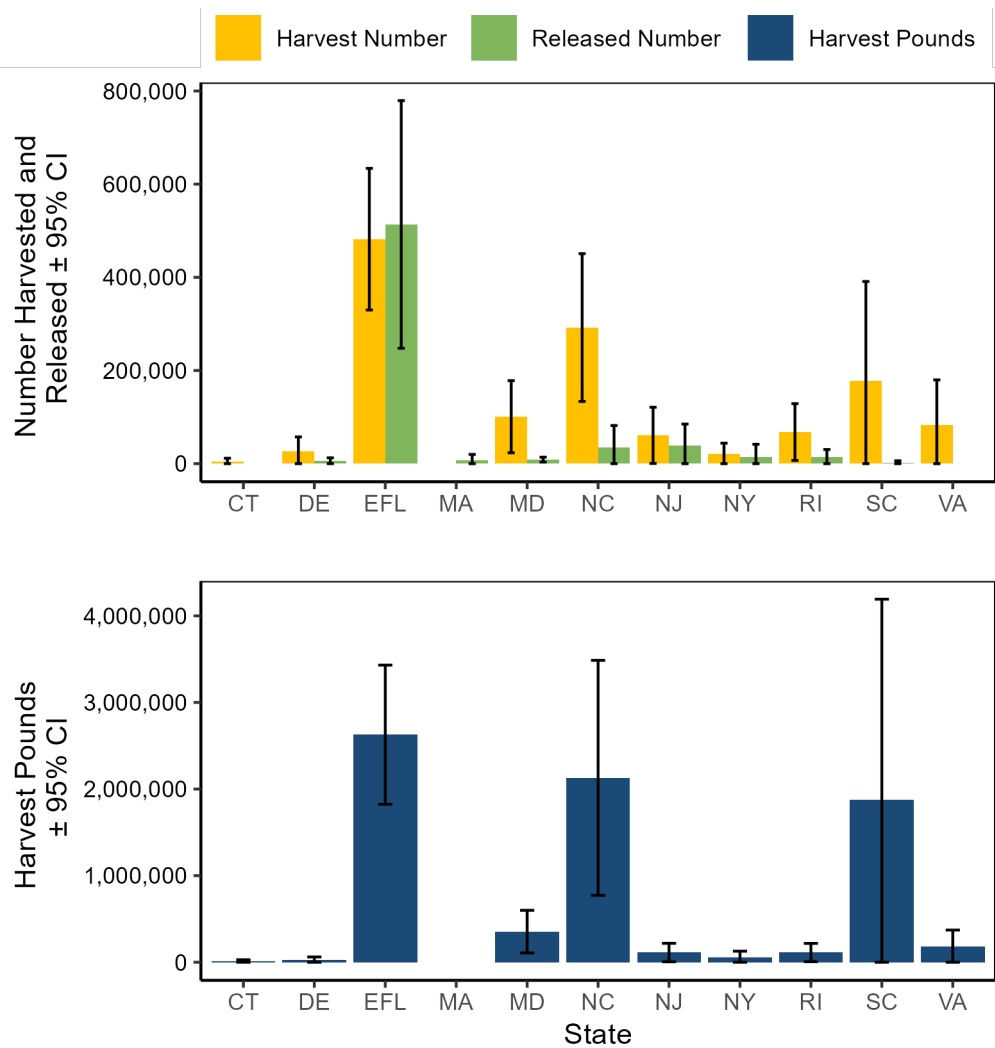


Figure III.18 Dolphinfish recreational catch by state, 2023.

Table III.24 Drum, Black recreational catch in North Carolina by year.

Year	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number	PSE (release)	Mean Length (inches)	Mean Weight (lb)
2023	973,869	37	348,374	40	591,980	21	16.78	2.80
2022	1,710,528	56	264,634	44	647,304	32	19.31	6.46
2021	359,481	18	121,454	19	681,121	29	16.34	2.96
2020	612,932	16	213,320	15	704,357	19	16.30	2.87
2019	404,452	20	156,401	20	756,749	17	15.67	2.59
2018	428,273	28	134,624	27	1,450,855	22	16.46	3.18
2017	856,081	47	355,544	48	2,336,352	22	16.04	2.41
2016	1,322,547	47	459,078	56	2,530,596	30	16.60	2.88
2015	780,876	19	276,126	20	1,791,758	22	16.91	2.83
2014	230,834	33	109,307	38	1,964,749	27	15.04	2.11

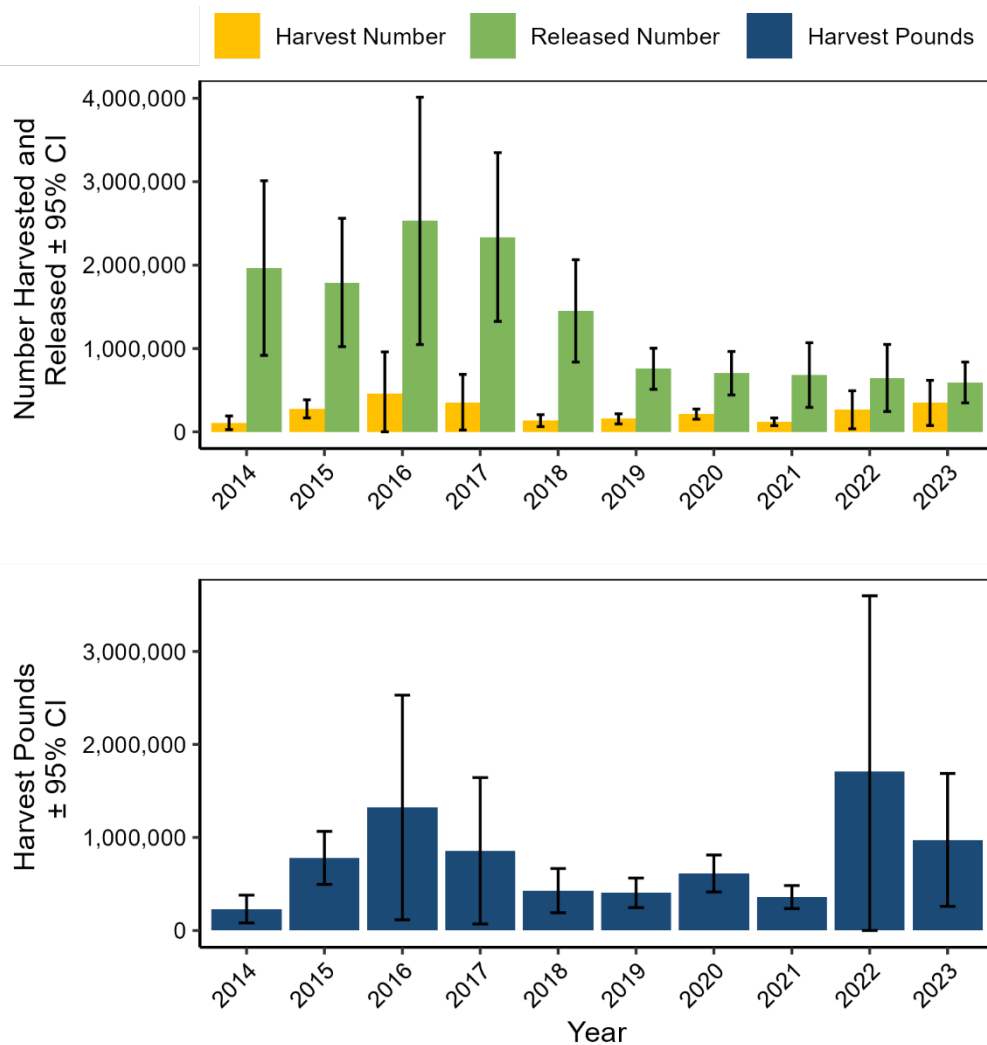


Figure III.19 Drum, Black recreational catch in North Carolina by year.

Table III.25 Drum, Black recreational catch by state, 2023.

State	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number	PSE (release)	Mean Length (inches)	Mean Weight (lb)
Delaware	115	87	7	80	29,231	49	28.41	15.44
East Florida	3,097,376	33	657,786	24	960,813	27	18.44	4.71
Georgia	285,898	39	67,430	38	291,336	37	17.54	4.24
Maryland	10,697	68	1,202	75	3,908	62	22.82	8.9
New Jersey	0	-	0	-	18,252	86	-	-
North Carolina	973,869	37	348,374	40	591,980	21	16.78	2.8
South Carolina	433,013	25	142,438	22	791,140	18	16.78	3.04
Virginia	351,895	71	18,587	56	71,964	36	30.46	18.93

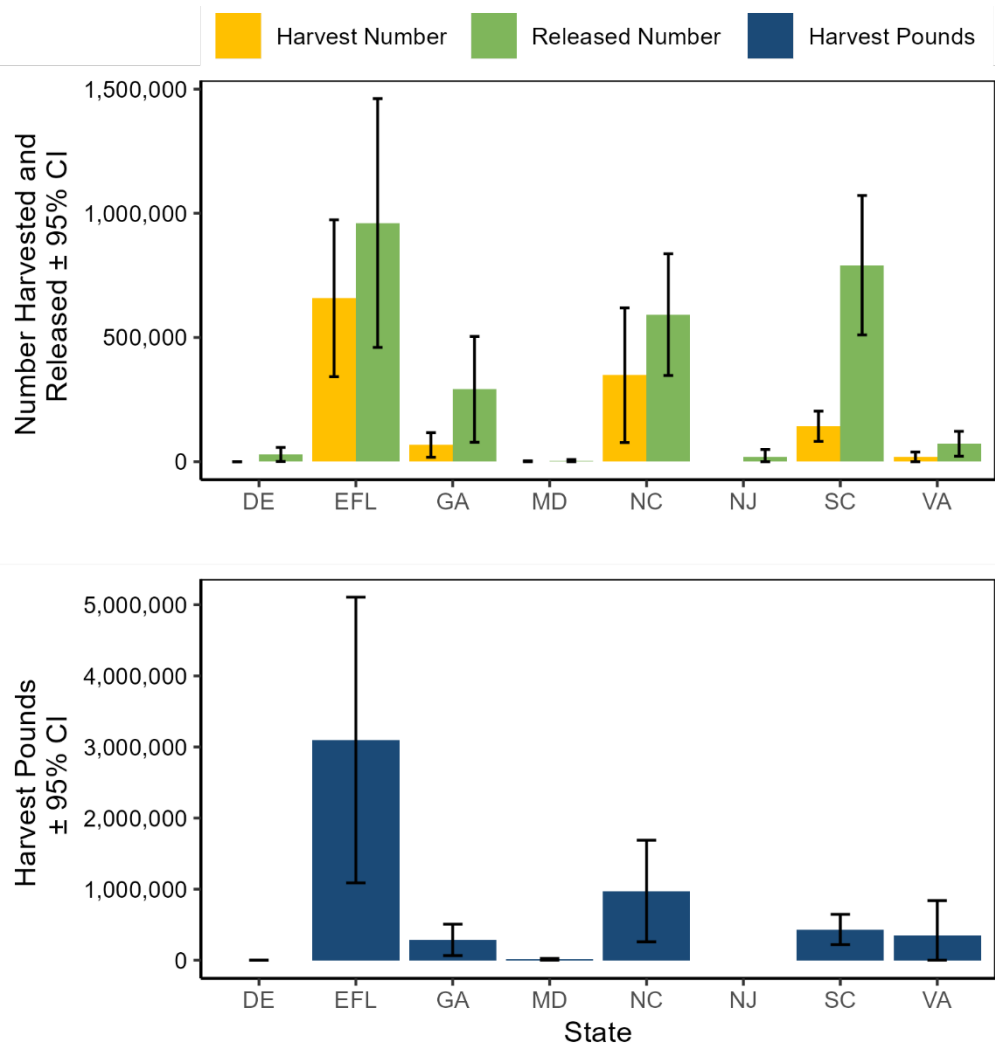


Figure III.20 Drum, Black recreational catch by state, 2023.

Table III.26 Drum, Red recreational catch in North Carolina by year.

Year	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number	PSE (release)	Mean Length (inches)	Mean Weight (lb)
2023	1,120,661	16	232,133	14	1,439,370	14	22.57	4.83
2022	1,615,108	15	336,280	15	2,160,742	16	21.98	4.80
2021	1,479,550	12	325,662	11	2,545,371	19	22.00	4.54
2020	1,758,789	12	413,419	11	2,686,150	13	21.23	4.25
2019	436,219	24	97,186	23	2,976,601	17	21.51	4.49
2018	1,452,358	19	299,577	19	1,729,260	15	22.66	4.85
2017	1,475,852	18	353,716	17	2,165,656	13	21.36	4.17
2016	633,496	18	169,195	22	3,203,452	30	20.15	3.74
2015	567,730	26	143,876	24	1,308,072	27	20.66	3.95
2014	1,674,595	18	324,303	19	1,086,967	13	22.90	5.16

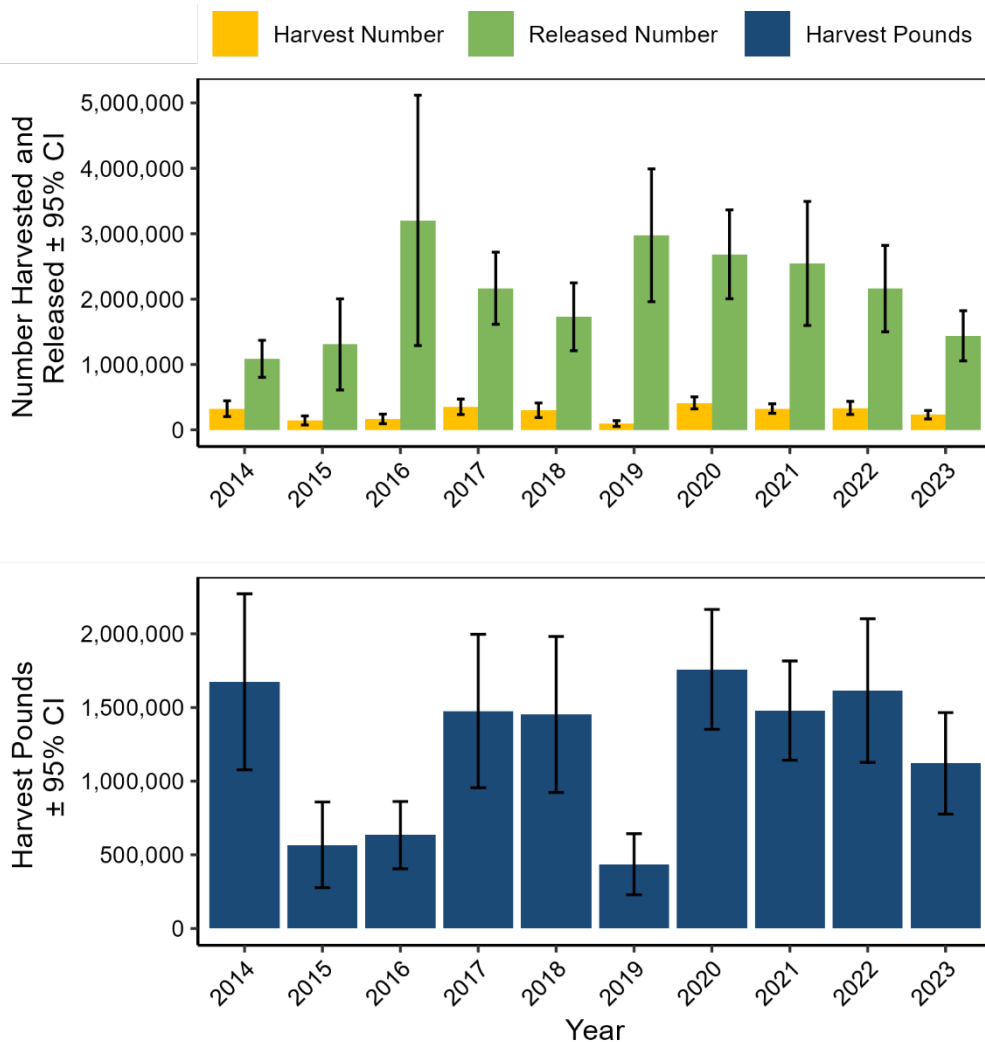


Figure III.21 Drum, Red recreational catch in North Carolina by year.

Table III.27 Drum, Red recreational catch by state, 2023.

State	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number	PSE (release)	Mean Length (inches)	Mean Weight (lb)
Delaware	0	-	0	-	595	96	-	-
East Florida	1,527,754	22	407,618	21	4,760,870	14	20.62	3.75
Georgia	826,719	23	366,498	18	1,450,988	19	17.07	2.26
Maryland	53,253	47	17,896	45	98,500	48	18.66	2.98
New Jersey	0	-	0	-	881	102	-	-
North Carolina	1,120,661	16	232,133	14	1,439,370	14	22.57	4.83
South Carolina	688,722	16	280,527	15	2,320,184	14	17.78	2.46
Virginia	588,763	33	137,063	31	1,145,885	25	21.45	4.3

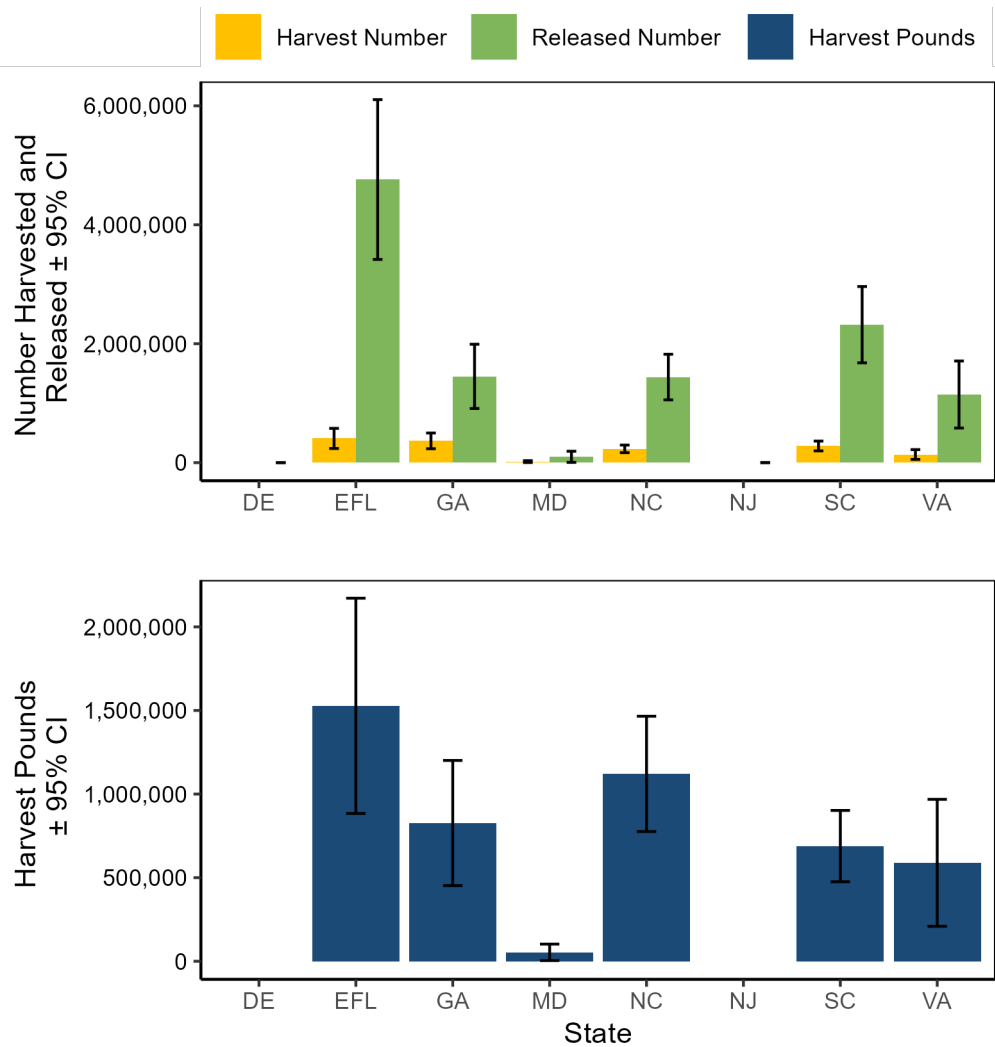


Figure III.22 Drum, Red recreational catch by state, 2023.

Table III.28 Flounder, Southern recreational catch in North Carolina by year.

Year	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number ¹	PSE (release) ¹	Mean Length (inches)	Mean Weight (lb)
2023	192,168	30	77,885	28	2,185,629	-	17.97	2.47
2022	166,102	26	70,945	28	2,792,144	-	18.37	2.34
2021	560,440	36	266,421	38	1,940,051	-	16.96	2.10
2020	398,769	21	152,244	19	1,678,494	-	17.83	2.62
2019	387,203	23	163,045	19	1,353,286	-	17.61	2.37
2018	495,289	18	217,805	19	1,002,753	-	17.25	2.27
2017	451,126	17	221,321	19	1,849,805	-	16.60	2.04
2016	695,713	17	299,273	16	2,159,865	-	17.37	2.32
2015	558,303	18	249,166	18	1,697,523	-	17.08	2.24
2014	447,337	17	209,228	17	1,821,798	-	16.97	2.14

¹ Flounder releases are not recorded to species; released number was calculated by assigning a ratio of observed flounder by species to reported flounder genus release estimates. PSEs are not available for this analysis.

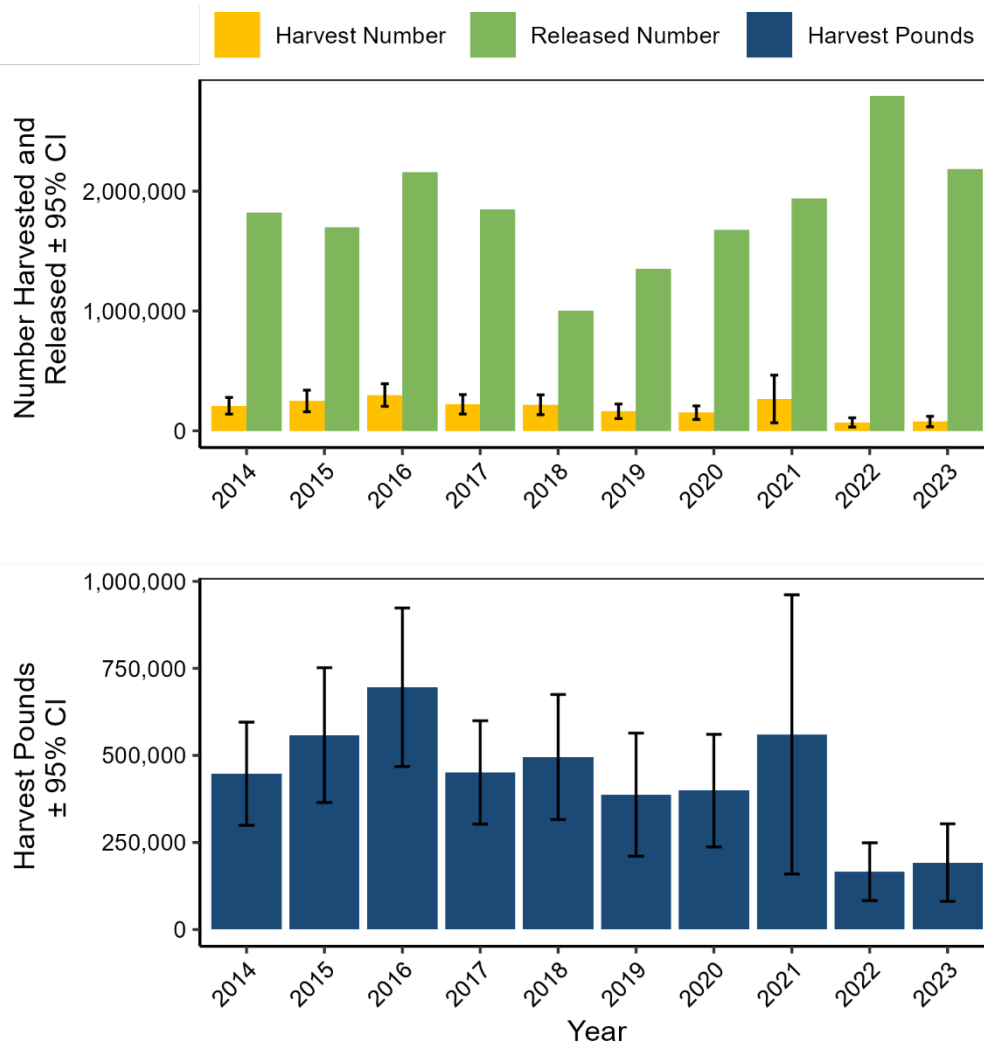


Figure III.23 Flounder, Southern recreational catch in North Carolina by year.

Table III.29 Flounder, Southern recreational catch by state, 2023.

State	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number ¹	PSE (release) ¹	Mean Length (inches)	Mean Weight (lb)
East Florida	494,955	24	306,450	25	-	-	15.72	1.62
Georgia	264,192	22	170,505	23	-	-	15.00	1.55
Maryland	76	111	35	111	-	-	17.48	2.18
North Carolina	192,168	30	77,885	28	-	-	17.97	2.47
South Carolina	995,387	27	458,540	27	-	-	17.15	2.17
Virginia	2,800	115	1,282	115	-	-	17.48	2.18

¹ Released flounder are not always recorded to species level. Numbers released are not shown by state.

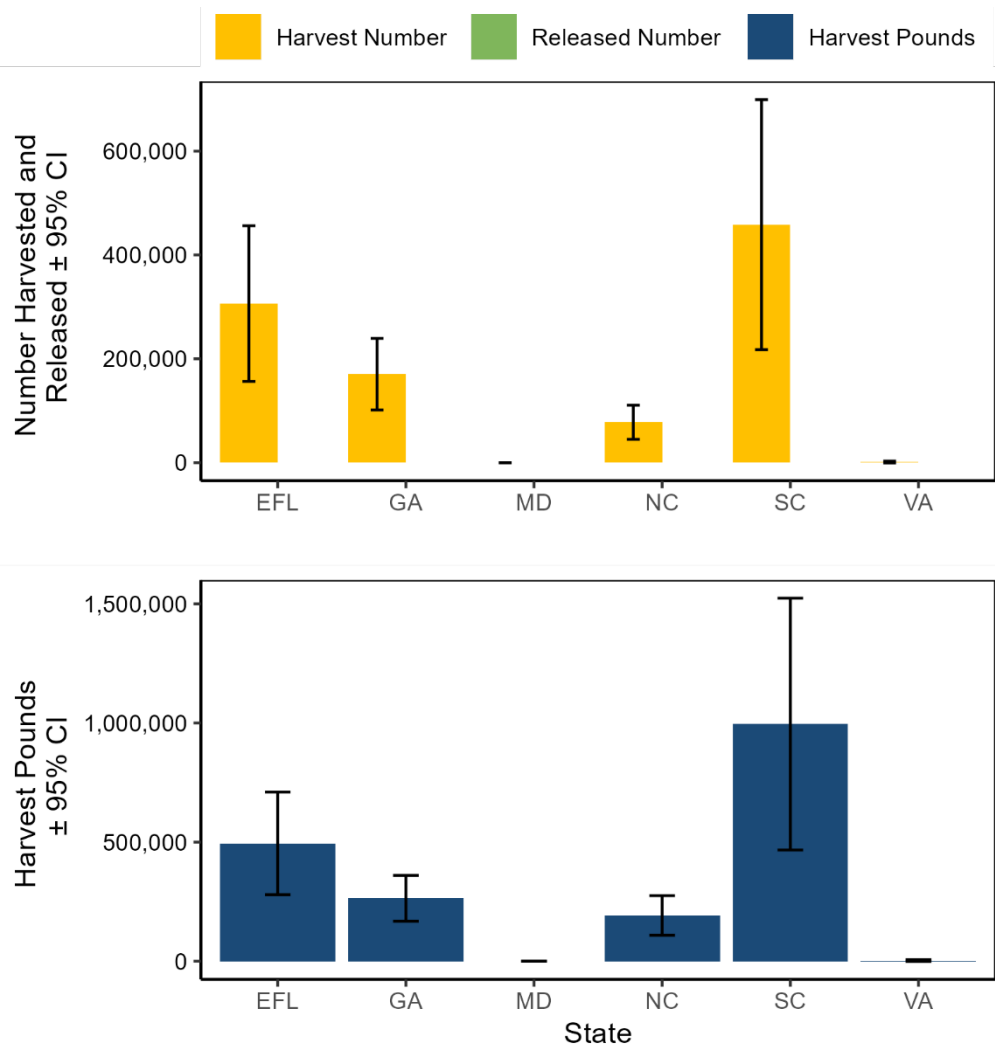


Figure III.24 Flounder, Southern recreational catch by state, 2023.

Table III.30 Flounder, Summer recreational catch in North Carolina by year.

Year	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number ¹	PSE (release) ¹	Mean Length (inches)	Mean Weight (lb)
2023	34,192	60	20,164	59	511,094	-	16.13	1.70
2022	22,151	36	10,591	35	314,007	-	17.25	2.09
2021	27,492	39	13,863	37	1,187,109	-	16.96	1.98
2020	37,935	30	24,699	31	705,247	-	15.52	1.54
2019	52,872	31	34,895	32	467,943	-	15.91	1.52
2018	92,032	25	57,913	26	440,676	-	15.88	1.59
2017	147,426	29	91,193	28	1,069,534	-	16.16	1.62
2016	110,392	27	65,494	27	702,365	-	16.20	1.69
2015	157,437	24	99,263	23	882,672	-	15.98	1.59
2014	215,294	22	150,201	21	1,444,072	-	15.58	1.43

¹Flounder releases are not recorded to species; released number was calculated by assigning a ratio of observed flounder by species to reported flounder genus release estimates. PSEs are not available for this analysis.

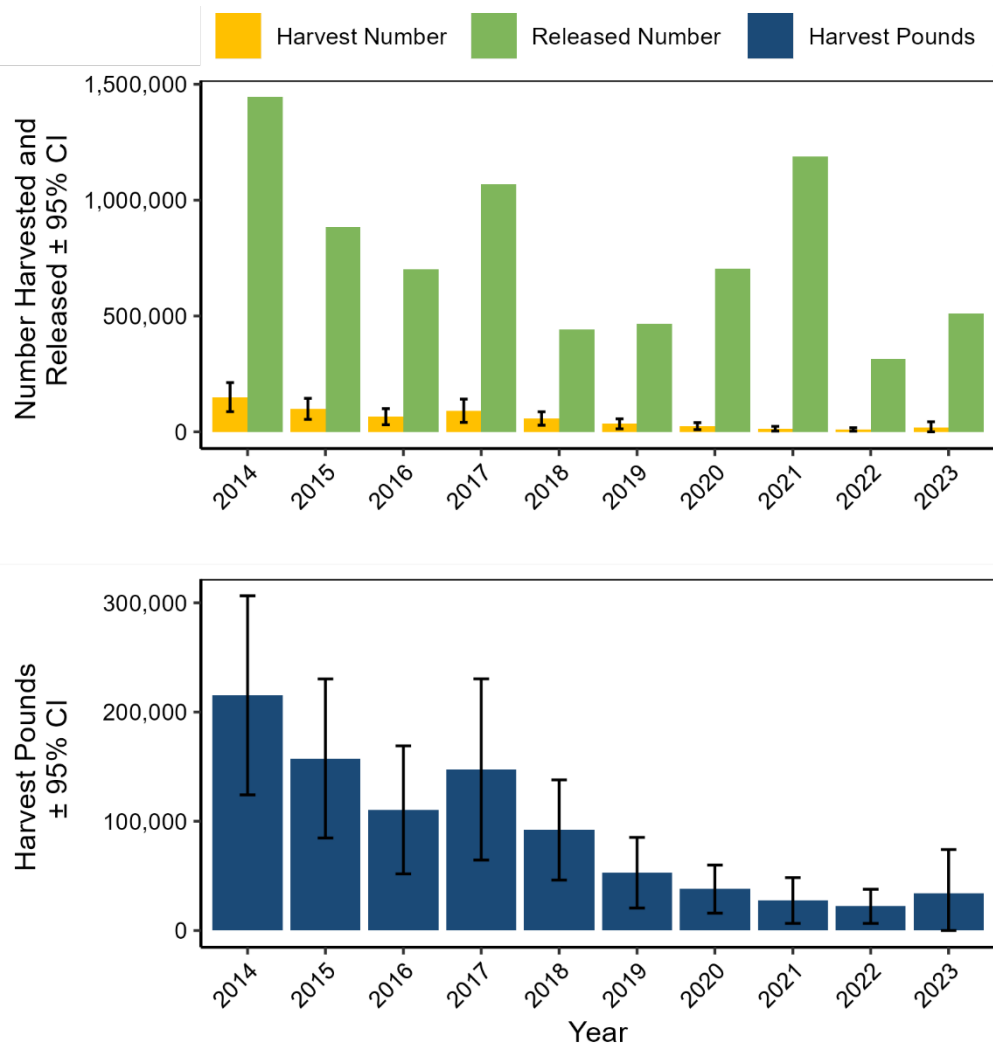


Figure III.25 Flounder, Summer recreational catch in North Carolina by year.

Table III.31 Flounder, Summer recreational catch by state, 2023.

State	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number ¹	PSE (release) ¹	Mean Length (inches)	Mean Weight (lb)
Connecticut	277,231	27	71,480	27	-	-	21.44	3.88
Delaware	366,576	23	127,477	23	-	-	19.18	2.88
East Florida	3,584	73	2,058	71	-	-	15.96	1.74
Maryland	151,535	28	68,567	27	-	-	17.65	2.21
Massachusetts	311,114	33	113,339	33	-	-	18.56	2.75
New Hampshire	3,594	103	1,130	103	-	-	20.65	3.18
New Jersey	4,038,788	12	1,581,974	12	-	-	18.73	2.55
New York	1,931,498	18	581,912	18	-	-	20.38	3.32
North Carolina	34,192	60	20,164	59	-	-	16.13	1.70
Rhode Island	288,602	17	101,143	17	-	-	19.21	2.85
Virginia	1,150,089	16	497,752	17	-	-	17.97	2.31

¹Released flounder are not always recorded to species level. Numbers released are not shown by state.

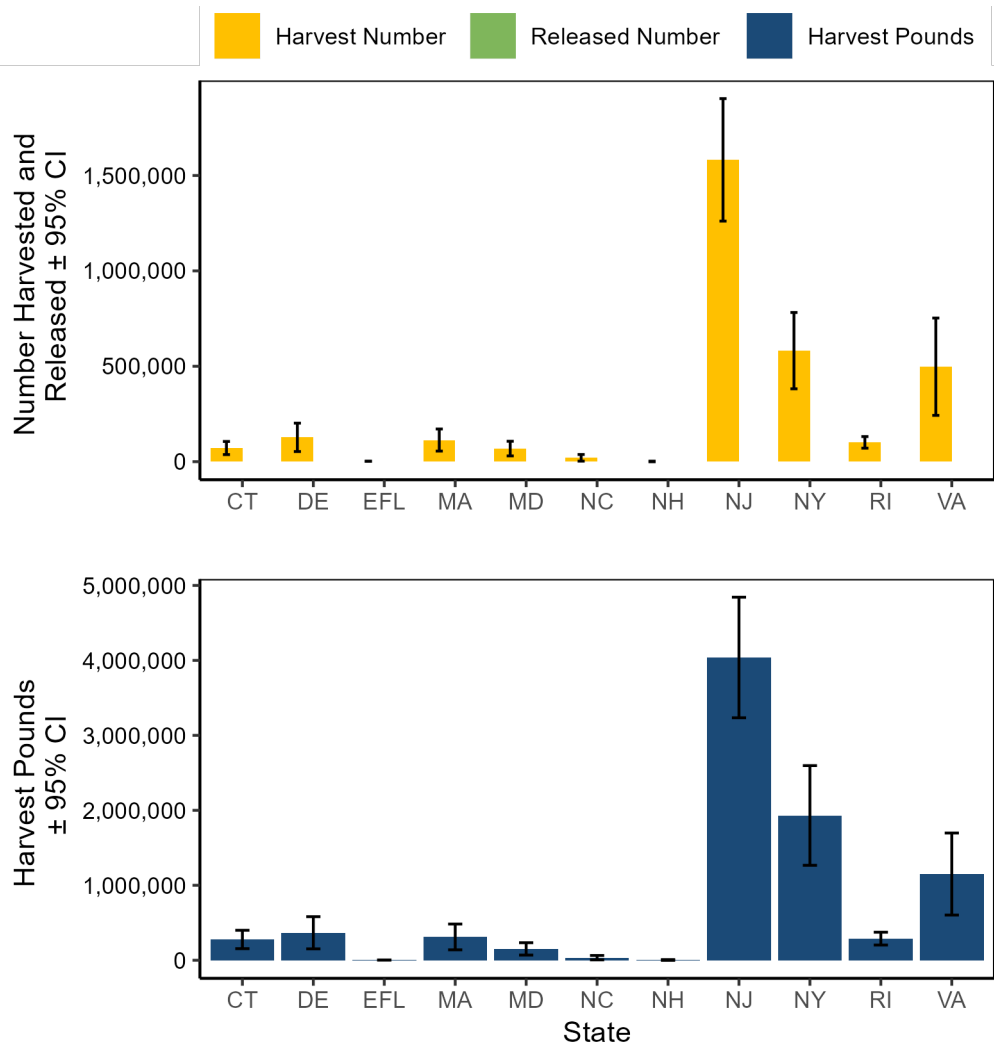


Figure III.26 Flounder, Summer recreational catch by state, 2023.

Table III.32 Grouper, Gag recreational catch in North Carolina by year.

Year	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number	PSE (release)	Mean Length (inches)	Mean Weight (lb)
2023	131,302	67	13,634	71	41,953	27	27.62	9.63
2022	53,621	67	4,319	61	46,844	41	28.59	12.42
2021	75,472	27	8,405	24	23,431	26	26.40	8.98
2020	7,194	38	950	47	18,694	35	24.86	7.57
2019	81,372	60	7,569	57	9,684	58	26.80	10.75
2018	1,326	54	171	54	1,070	75	25.38	7.78
2017	48,086	96	3,688	96	17,832	34	29.50	13.04
2016	52,660	73	3,890	62	27,599	39	29.86	13.54
2015	47,547	75	3,447	66	73,193	34	30.16	13.79
2014	14,596	55	1,484	60	23,751	42	27.34	9.83

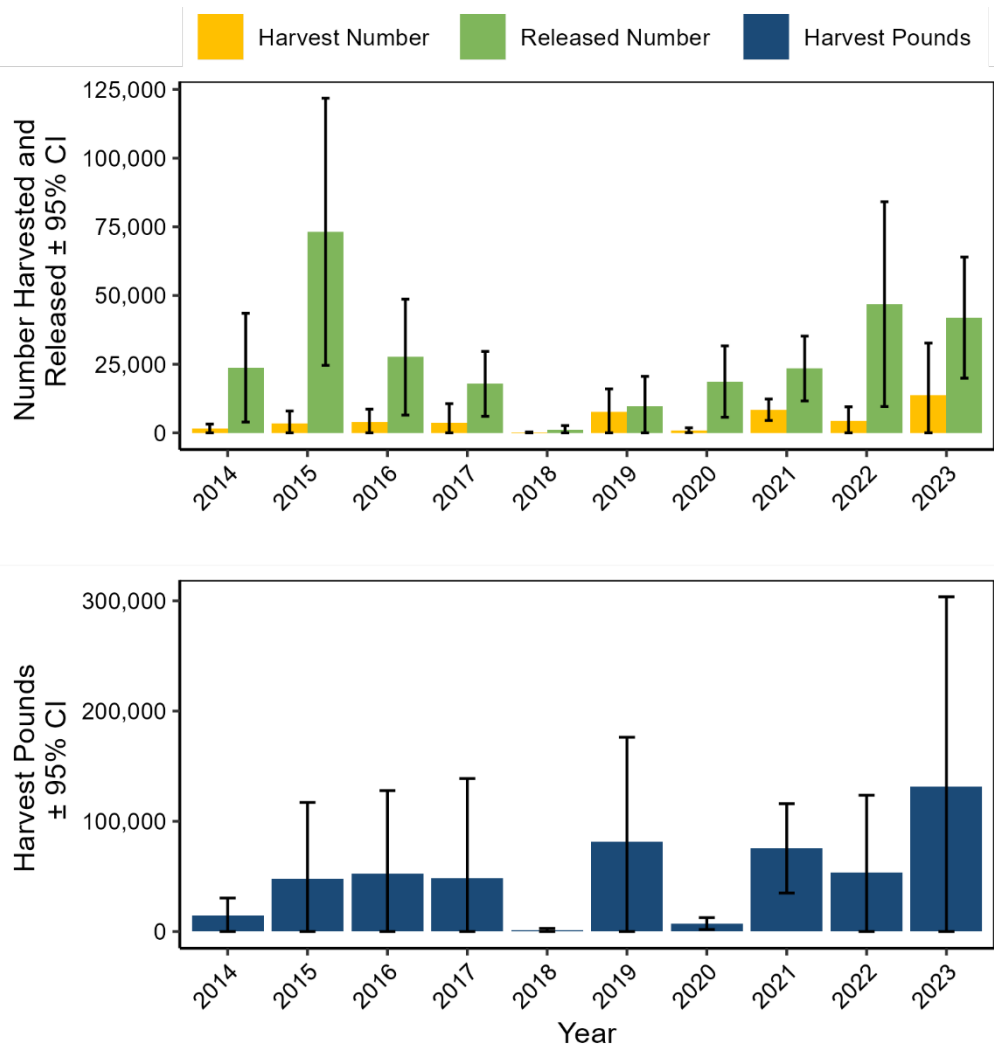


Figure III.27 Grouper, Gag recreational catch in North Carolina by year.

Table III.33 Grouper, Gag recreational catch by state, 2023.

State	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number	PSE (release)	Mean Length (inches)	Mean Weight (lb)
East Florida	306,283	62	16,955	54	56,471	32	32.9	18.06
Georgia	41,714	97	3,345	96	1,270	48	28.25	12.47
North Carolina	131,302	67	13,634	71	41,953	27	27.62	9.63
South Carolina	41,677	64	4,046	61	7,890	44	26.51	10.3
Virginia	0	-	0	-	82	96	-	-

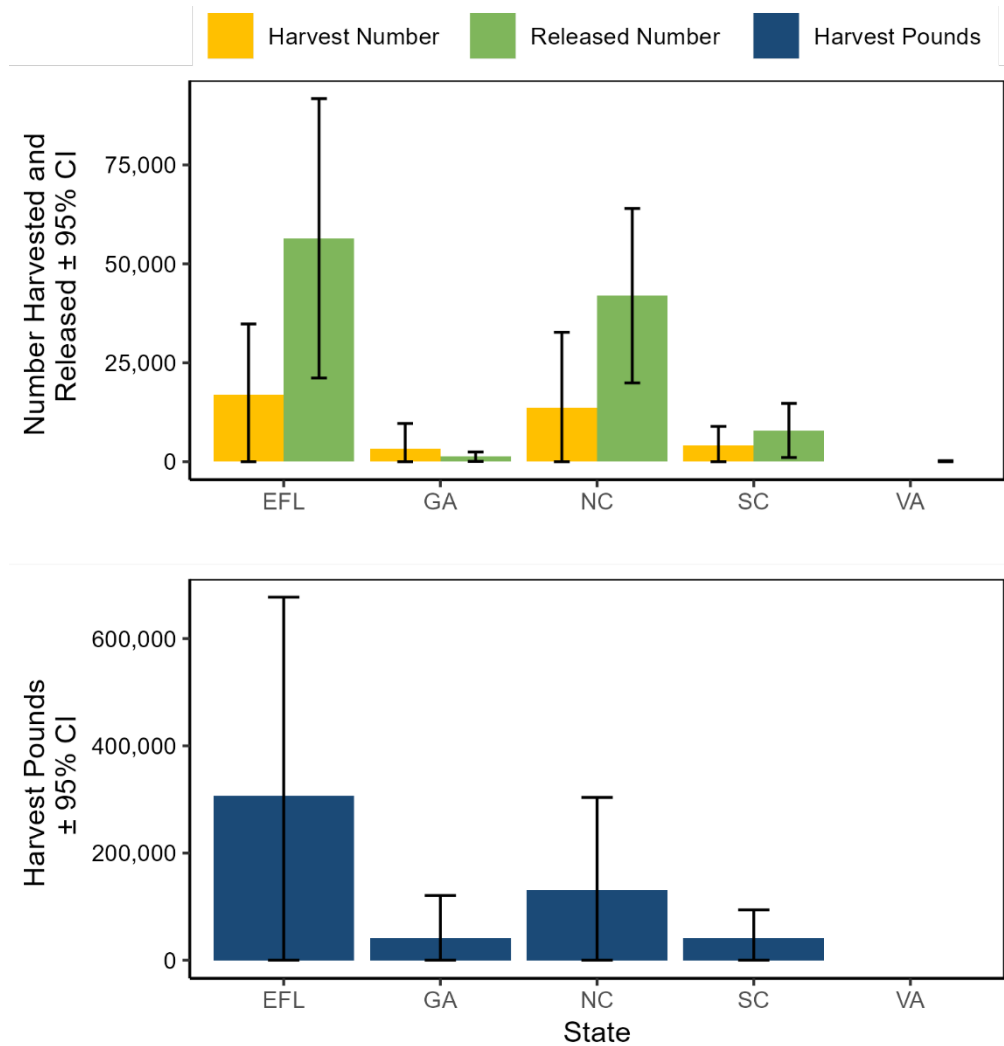


Figure III.28 Grouper, Gag recreational catch by state, 2023.

Table III.34 Grunt, White recreational catch in North Carolina by year.

Year	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number	PSE (release)	Mean Length (inches)	Mean Weight (lb)
2023	63,597	31	42,656	30	162,934	40	12.10	1.49
2022	20,257	36	19,597	45	52,092	45	10.59	1.03
2021	32,327	33	21,849	30	13,810	61	12.04	1.48
2020	82,979	48	54,012	45	32,186	54	12.20	1.54
2019	88,164	54	78,808	54	51,294	58	10.97	1.12
2018	16,551	34	11,486	33	6,551	39	11.99	1.44
2017	58,656	43	36,459	42	49,159	61	12.55	1.61
2016	85,197	41	49,190	39	72,791	67	12.75	1.73
2015	75,878	36	42,614	34	30,399	49	12.71	1.78
2014	85,941	60	48,030	59	4,406	52	13.36	1.79

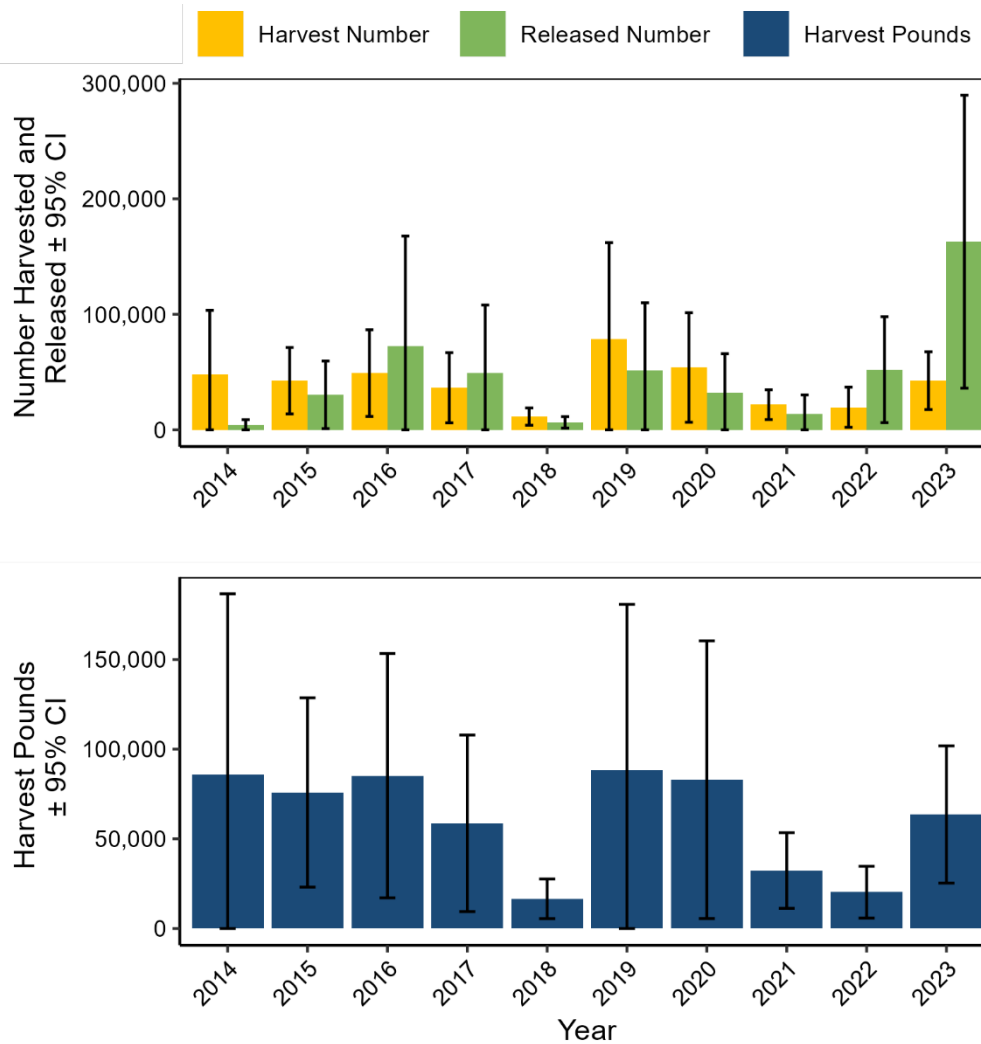


Figure III.29 Grunt, White recreational catch in North Carolina by year.

Table III.35 Grunt, White recreational catch by state, 2023.

State	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number	PSE (release)	Mean Length (inches)	Mean Weight (lb)
East Florida	367,917	52	476,654	35	233,174	41	9.86	0.77
Georgia	17	104	5	104	0	-	15.75	3.42
North Carolina	63,597	31	42,656	30	162,934	40	12.10	1.49
South Carolina	35,956	68	19,721	70	4,141	70	13.03	1.82

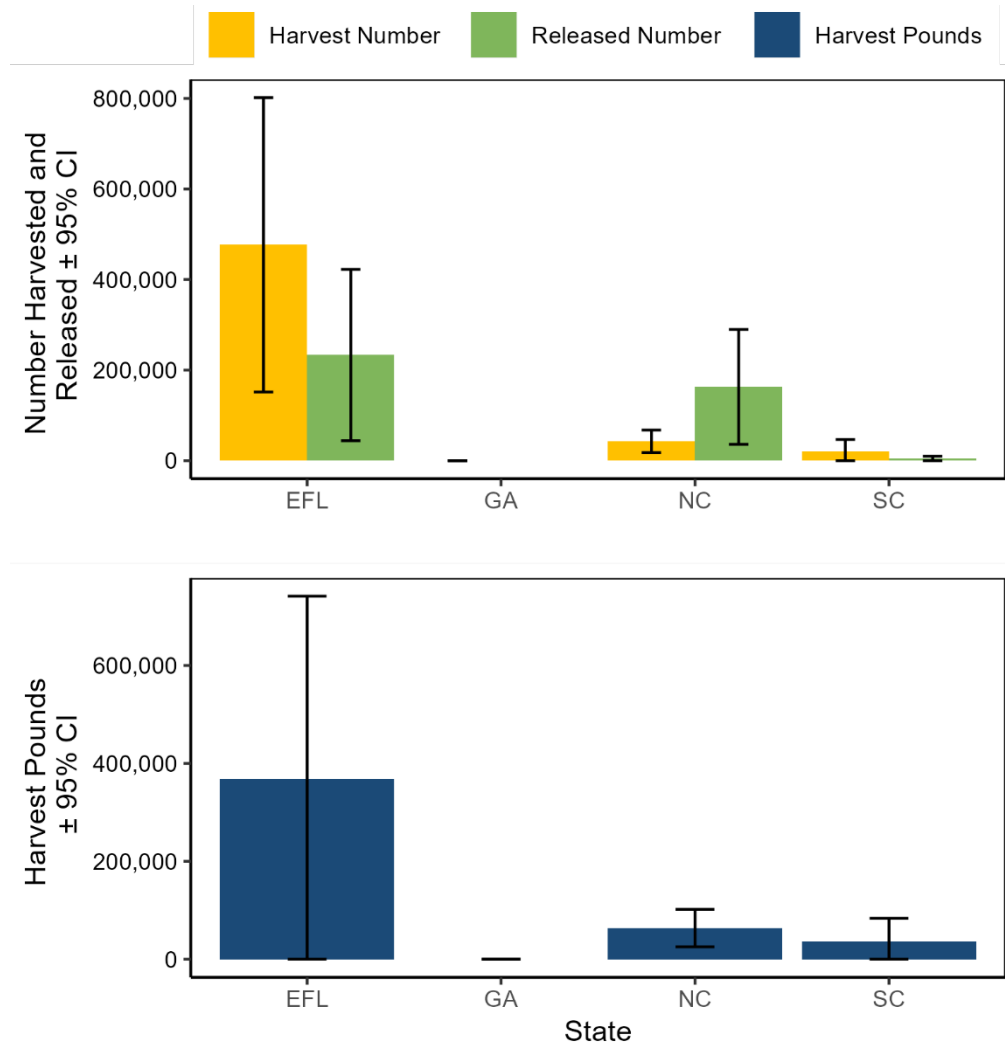


Figure III.30 Grunt, White recreational catch by state, 2023.

Table III.36 Kingfish, Gulf recreational catch in North Carolina by year.

Year	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number ¹	PSE (release) ¹	Mean Length (inches)	Mean Weight (lb)
2023	67,515	37	113,917	40	344,469	-	11.12	0.59
2022	612,823	43	958,034	45	1,623,392	-	11.52	0.64
2021	341,573	30	436,241	29	1,344,430	-	12.25	0.78
2020	109,237	32	144,127	27	1,116,175	-	12.08	0.76
2019	440,502	70	730,866	72	1,962,566	-	11.09	0.60
2018	161,101	38	247,241	39	854,690	-	11.58	0.65
2017	271,422	30	364,215	27	993,057	-	11.93	0.75
2016	262,512	35	504,926	37	1,345,381	-	10.83	0.52
2015	372,465	29	589,899	28	1,098,398	-	11.28	0.63
2014	550,685	33	852,684	28	2,329,105	-	11.37	0.65

¹ Kingfish releases are not recorded to species; released number was calculated by assigning a ratio of observed kingfish by species to reported kingfish genus release estimates. PSEs are not available for this analysis.

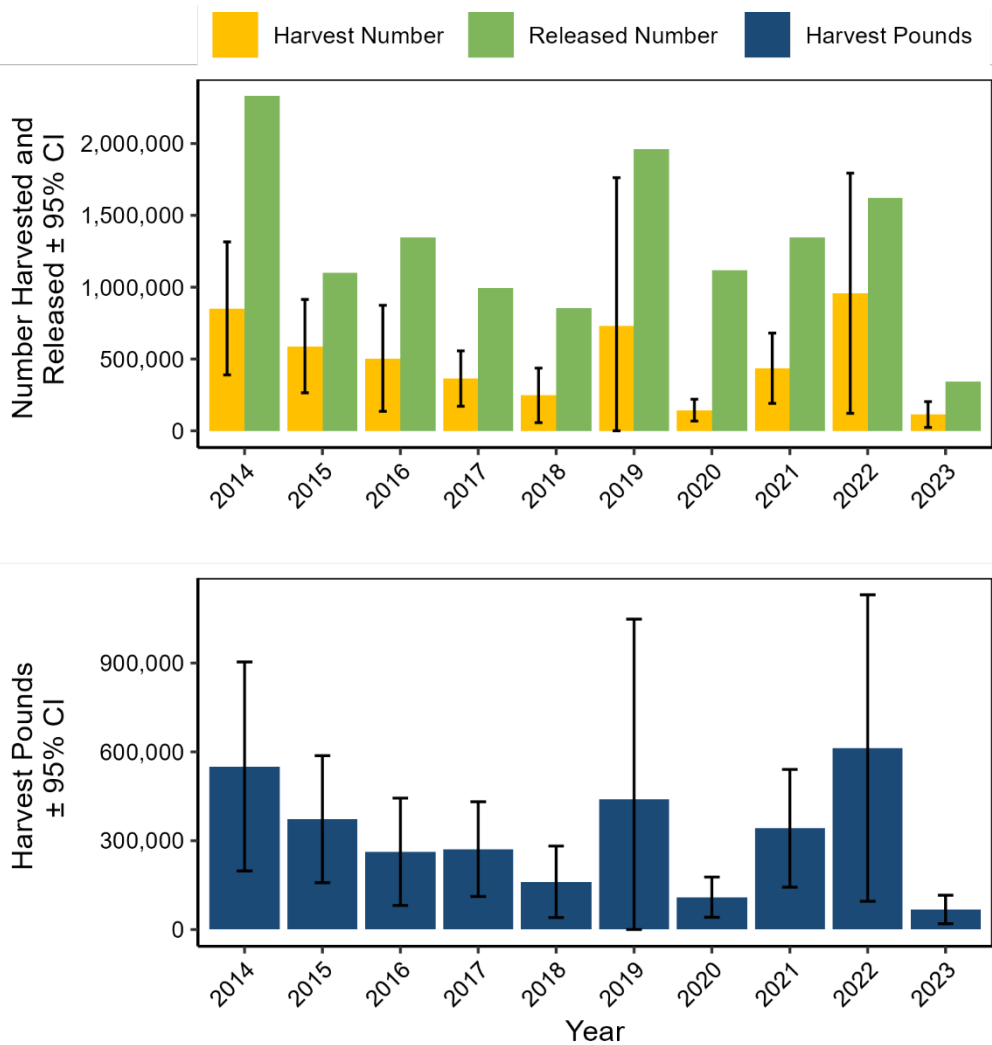


Figure III.31 Kingfish, Gulf recreational catch in North Carolina by year.

Table III.37 Kingfish, Gulf recreational catch by state, 2023.

State	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number ¹	PSE (release) ¹	Mean Length (inches)	Mean Weight (lb)
East Florida	610,417	73	879,050	69	-	-	11.88	0.69
North Carolina	67,515	37	113,917	40	-	-	11.12	0.59
South Carolina	29,306	33	85,654	36	-	-	9.72	0.34

¹ Released kingfish are not always recorded to species level. Numbers released are not shown by state.

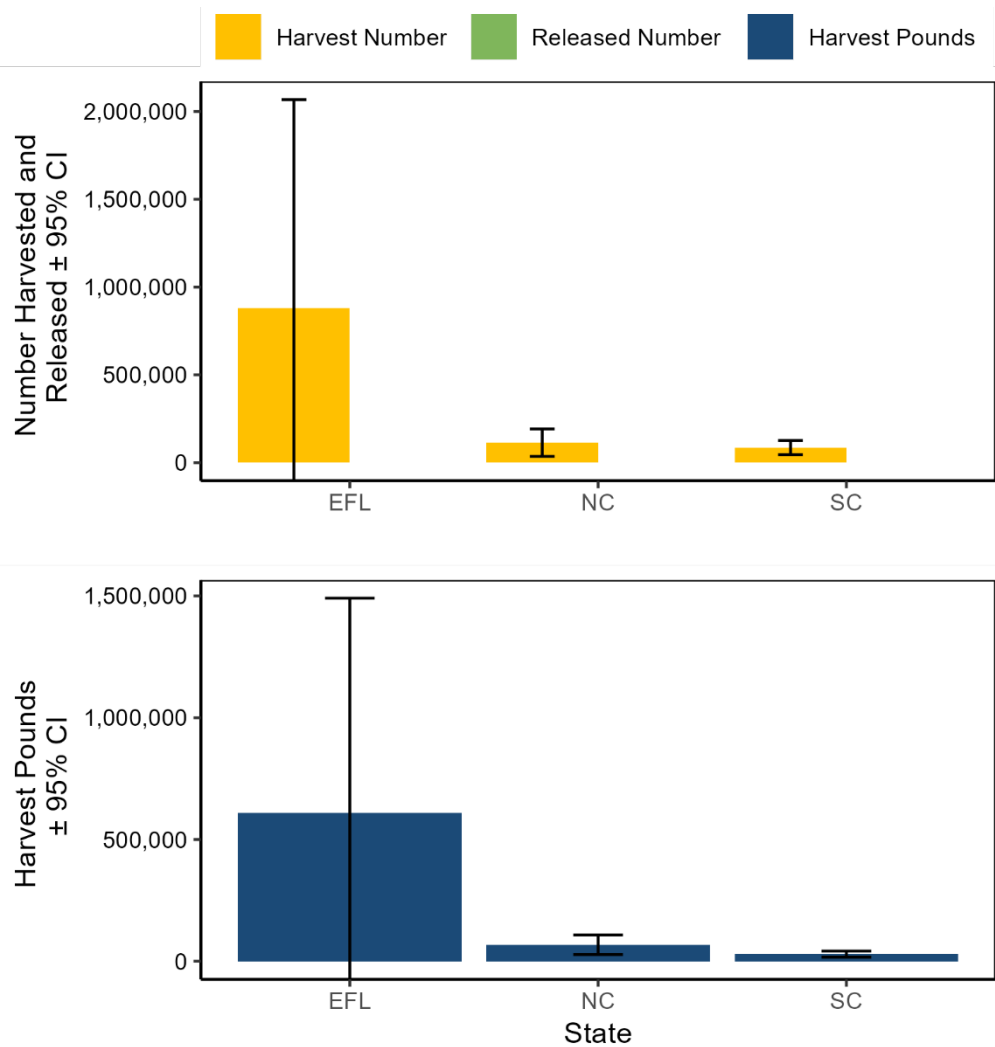


Figure III.32 Kingfish, Gulf recreational catch by state, 2023.

Table III.38 Kingfish, Northern recreational catch in North Carolina by year.

Year	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number ¹	PSE (release) ¹	Mean Length (inches)	Mean Weight (lb)
2023	123,529	63	181,969	63	94,242	-	11.73	0.68
2022	253,673	62	452,182	64	571,736	-	11.15	0.56
2021	3,018	56	5,799	56	16,561	-	10.60	0.52
2020	8,508	77	14,421	77	32,505	-	11.64	0.59
2019	1,050	103	2,381	103	2,983	-	10.94	0.44
2018	5,808	68	16,413	62	32,834	-	9.23	0.35
2017	59,681	50	59,267	46	121,968	-	13.23	1.01
2016	1,075	72	1,972	64	8,228	-	10.82	0.55
2015	9,085	55	16,981	65	51,689	-	10.92	0.53
2014	2,775	70	5,219	74	15,795	-	11.19	0.53

¹ Kingfish releases are not recorded to species; released number was calculated by assigning a ratio of observed kingfish by species to reported kingfish genus release estimates. PSEs are not available for this analysis.

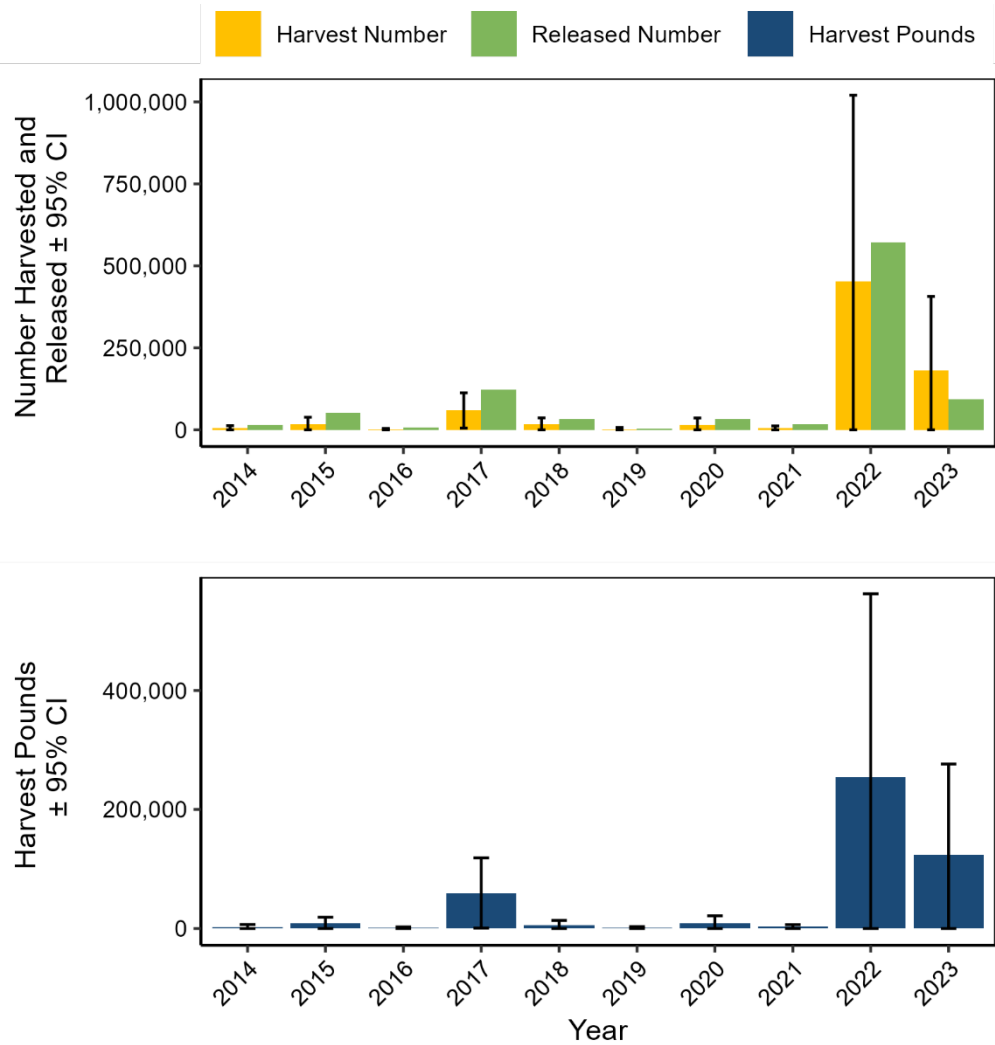


Figure III.33 Kingfish, Northern recreational catch in North Carolina by year.

Table III.39 Kingfish, Northern recreational catch by state, 2023.

State	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number ¹	PSE (release) ¹	Mean Length (inches)	Mean Weight (lb)
Connecticut	6,102	95	3,120	93	-	-	15.45	1.96
Delaware	542	78	1,565	73	-	-	10.77	0.35
East Florida	332	94	753	94	-	-	11.14	0.44
Maryland	6,379	69	15,967	71	-	-	9.89	0.40
Massachusetts	809	77	776	70	-	-	12.81	1.04
New Jersey	2,376	99	5,389	99	-	-	9.96	0.44
New York	13,343	92	57,303	97	-	-	8.14	0.23
North Carolina	123,529	63	181,969	63	-	-	11.73	0.68
Rhode Island	6,252	57	4,684	52	-	-	13.79	1.33
Virginia	83,183	72	121,754	69	-	-	11.09	0.68

¹ Released kingfish are not always recorded to species level. Numbers released are not shown by state.

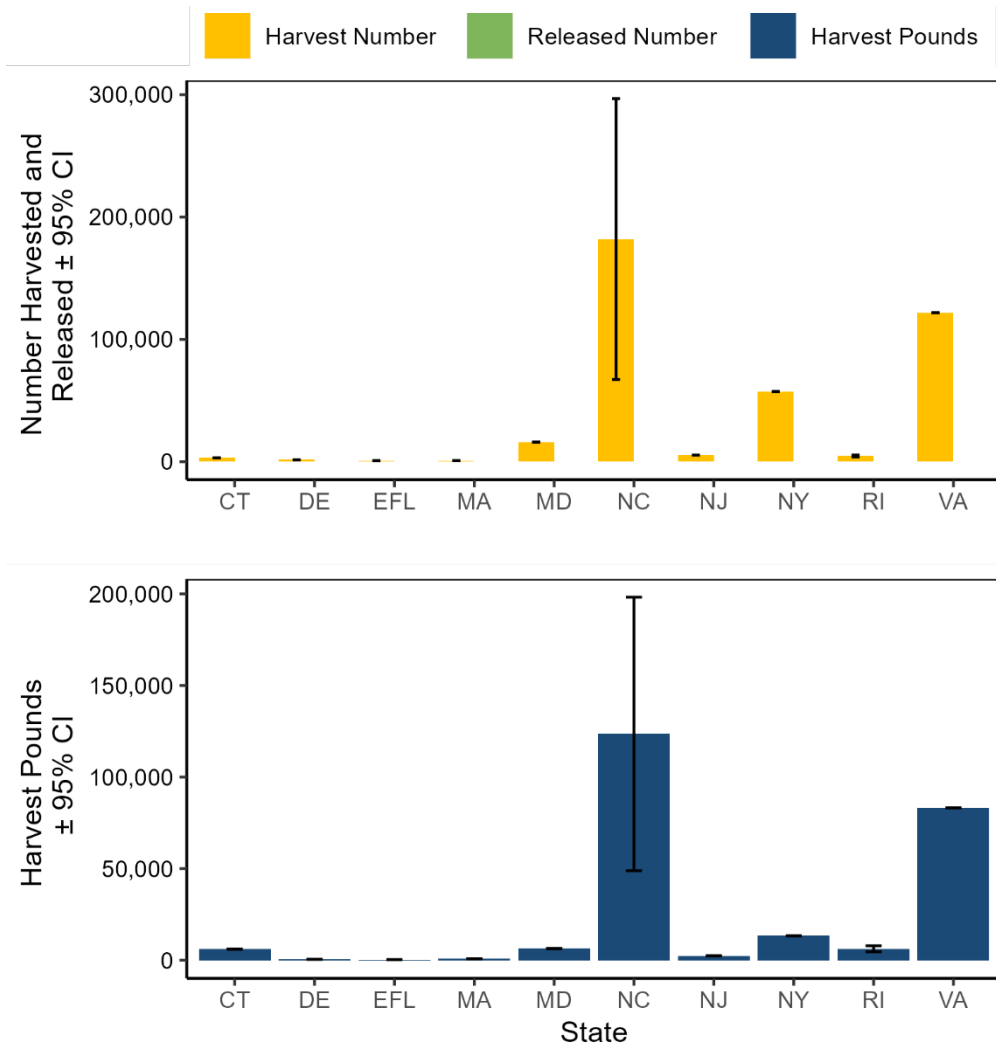


Figure III.34 Kingfish, Northern recreational catch by state, 2023.

Table III.40 Kingfish, Southern recreational catch in North Carolina by year.

Year	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number ¹	PSE (release) ¹	Mean Length (inches)	Mean Weight (lb)
2023	1,125,707	21	1,862,093	22	2,378,504	-	11.58	0.60
2022	764,545	26	1,392,621	27	2,002,064	-	11.03	0.55
2021	1,239,058	29	1,809,068	28	4,227,894	-	11.46	0.68
2020	334,824	20	553,204	19	2,312,410	-	11.20	0.61
2019	439,552	24	767,259	29	2,186,455	-	10.96	0.57
2018	312,829	20	497,134	20	1,293,208	-	11.48	0.63
2017	584,459	22	1,116,869	23	2,957,592	-	11.01	0.52
2016	771,534	26	1,422,584	27	2,723,152	-	11.23	0.54
2015	1,138,715	28	2,103,634	30	3,699,227	-	10.77	0.54
2014	1,544,862	46	2,477,383	44	4,614,725	-	11.66	0.62

¹ Kingfish releases are not recorded to species; released number was calculated by assigning a ratio of observed kingfish by species to reported kingfish genus release estimates. PSEs are not available for this analysis.

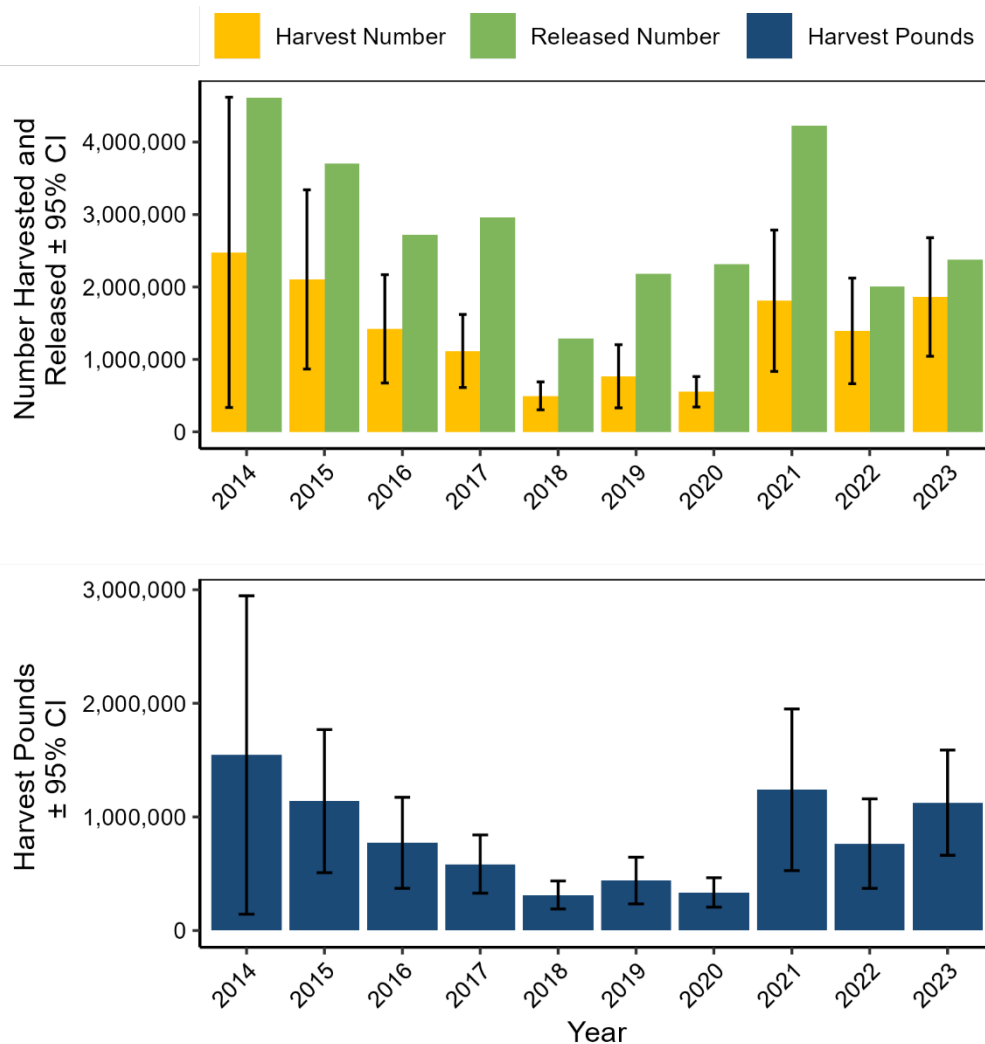


Figure III.35 Kingfish, Southern recreational catch in North Carolina by year.

Table III.41 Kingfish, Southern recreational catch by state, 2023.

State	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number ¹	PSE (release) ¹	Mean Length (inches)	Mean Weight (lb)
Delaware	1,098	68	2,507	68	-	-	10.23	0.44
East Florida	347,712	27	641,529	28	-	-	11.01	0.54
Georgia	757,408	18	1,604,354	20	-	-	10.27	0.47
Maryland	995	78	1,810	82	-	-	10.45	0.55
Massachusetts	1,987	101	4,506	101	-	-	8.98	0.44
New Jersey	39,430	101	73,906	101	-	-	10.92	0.53
North Carolina	1,125,707	21	1,862,093	22	-	-	11.58	0.60
South Carolina	554,635	22	1,059,106	22	-	-	10.90	0.52
Virginia	2,222,677	106	3,751,450	106	-	-	11.10	0.59

¹ Released kingfish are not always recorded to species level. Numbers released are not shown by state.

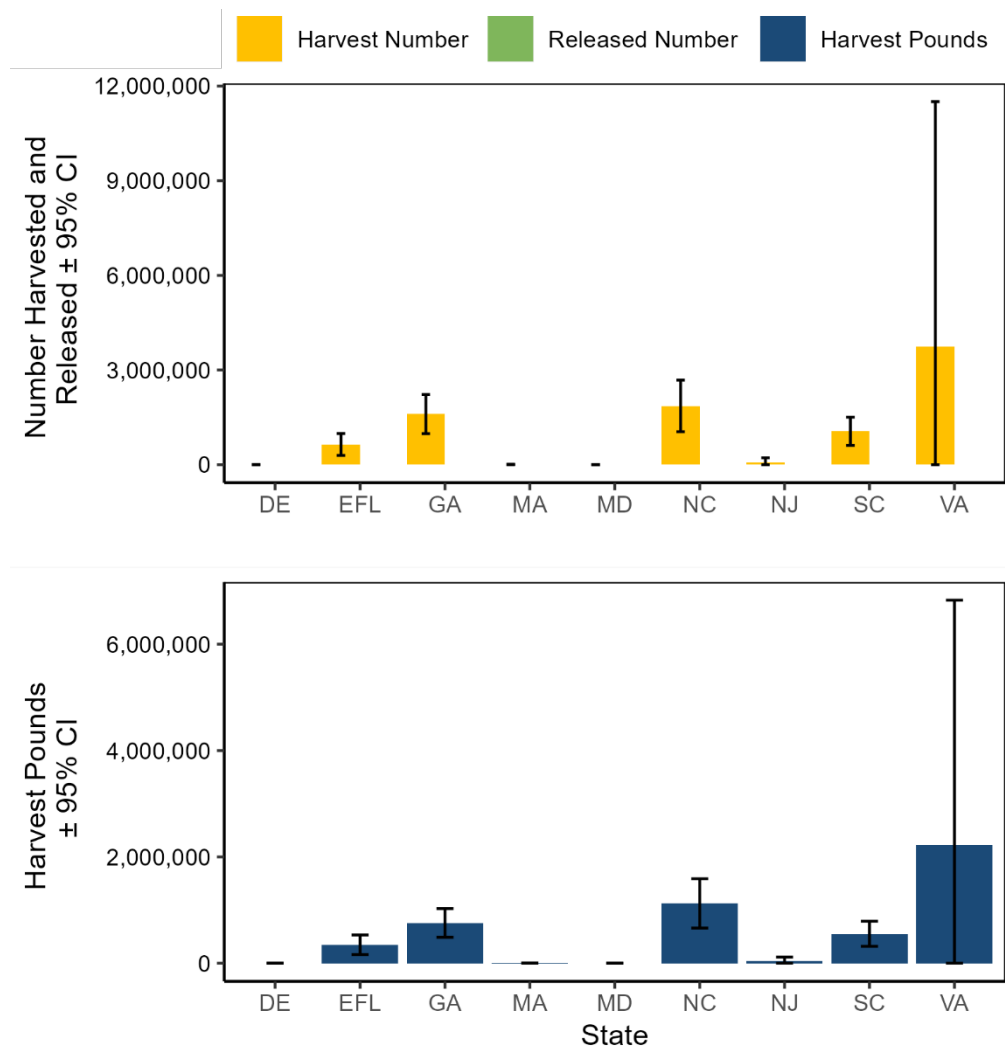


Figure III.36 Kingfish, Southern recreational catch by state, 2023.

Table III.42 Mackerel, King recreational catch in North Carolina by year.

Year	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number	PSE (release)	Mean Length (inches)	Mean Weight (lb)
2023	1,130,711	32	79,987	30	74,061	76	35.58	14.14
2022	375,164	43	38,512	32	12,996	46	31.78	9.74
2021	563,082	18	58,174	17	24,069	29	31.67	9.68
2020	1,376,229	20	146,423	20	70,879	32	31.62	9.40
2019	1,446,939	25	184,962	24	115,350	42	29.71	7.82
2018	1,018,459	30	102,675	19	75,614	33	30.28	9.92
2017	1,261,775	32	110,339	23	94,655	29	31.89	11.44
2016	963,139	42	108,151	43	43,909	32	30.37	8.91
2015	1,168,255	52	95,705	37	16,877	52	33.29	12.21
2014	1,213,096	23	72,288	23	35,075	93	38.71	16.78

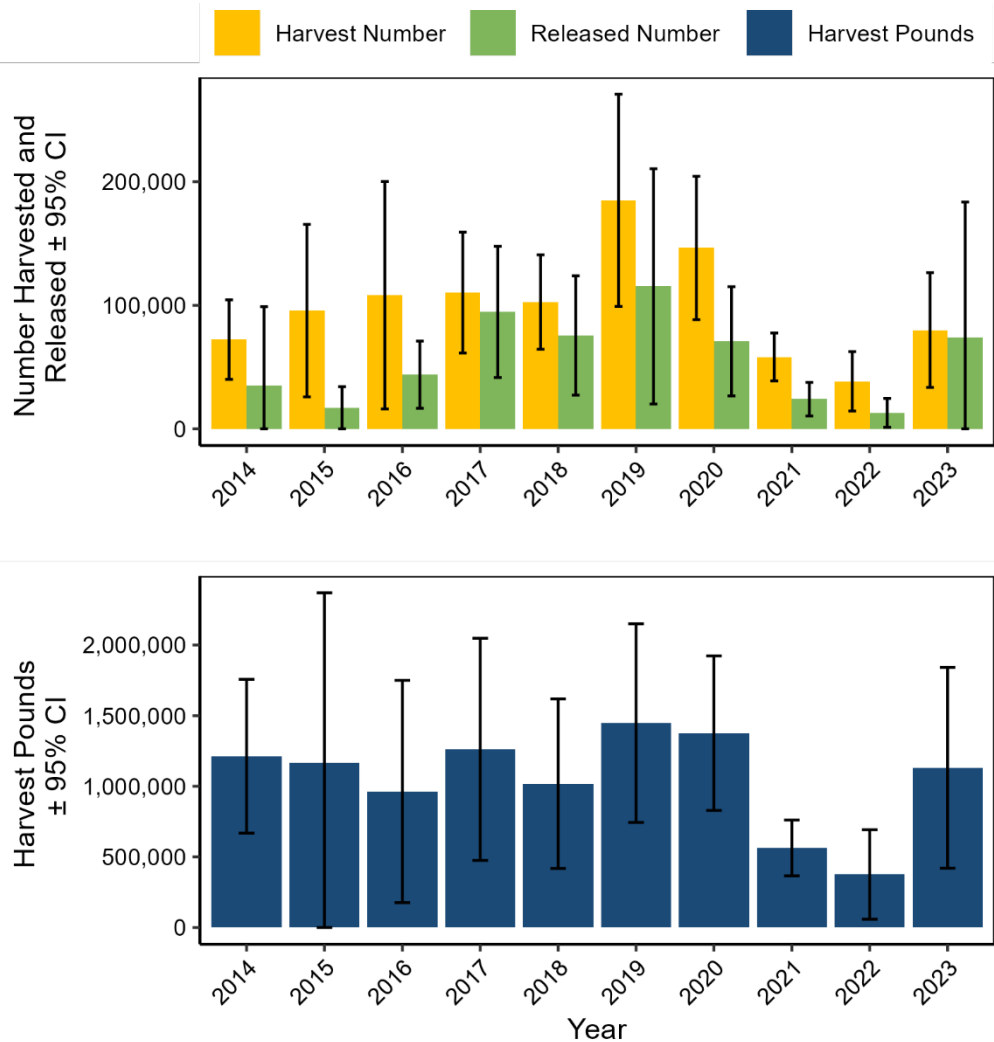


Figure III.37 Mackerel, King recreational catch in North Carolina by year.

Table III.43 Mackerel, King recreational catch by state, 2023.

State	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number	PSE (release)	Mean Length (inches)	Mean Weight (lb)
East Florida	4,045,474	15	432,912	14	88,528	27	31.42	9.34
Georgia	430,420	46	35,944	40	6	104	34.31	11.97
New Jersey	134	99	21	99	42	99	26.18	6.39
North Carolina	1,130,711	32	79,987	30	74,061	76	35.58	14.14
Rhode Island	0	-	0	-	233	97	-	-
South Carolina	228,059	43	12,610	44	4,900	66	38.83	18.09

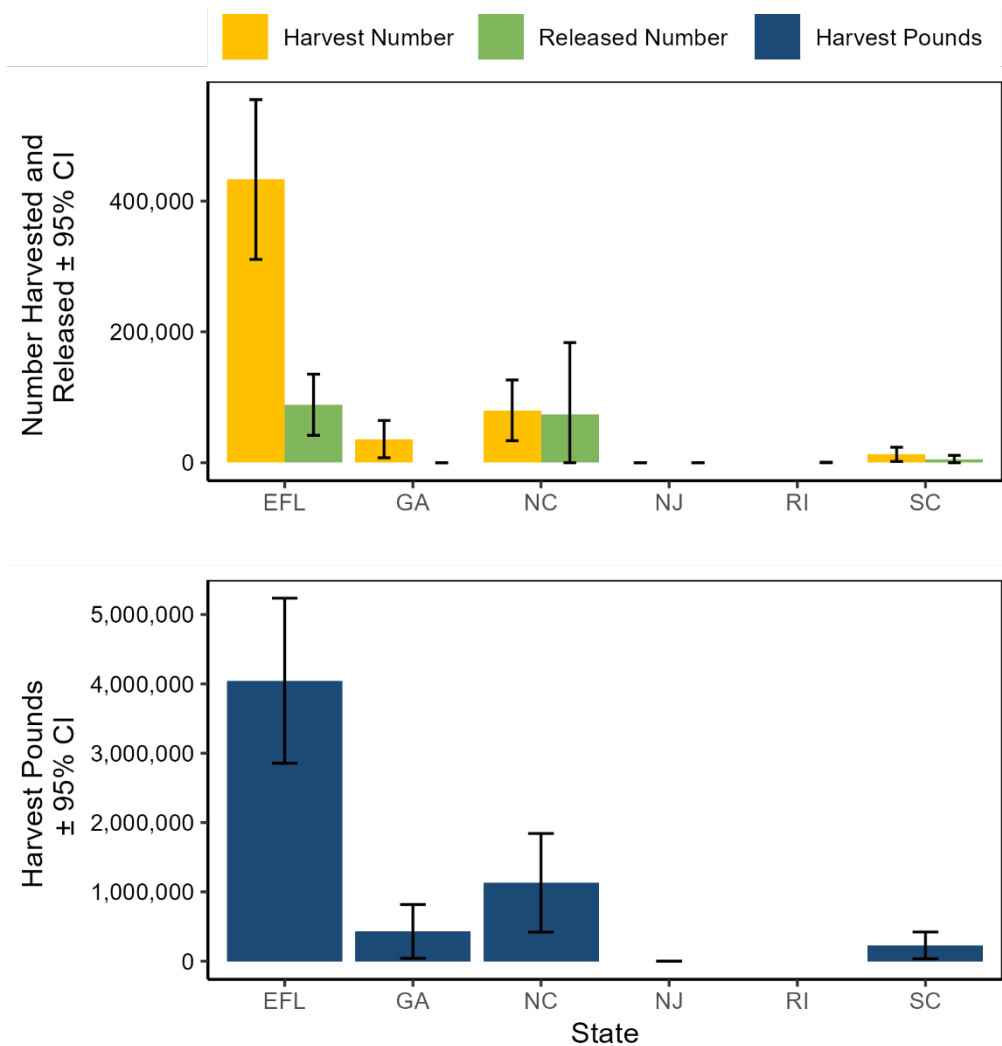


Figure III.38 Mackerel, King recreational catch by state, 2023.

Table III.44 Mackerel, Spanish recreational catch in North Carolina by year.

Year	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number	PSE (release)	Mean Length (inches)	Mean Weight (lb)
2023	1,216,236	12	1,204,175	13	1,293,628	17	14.43	1.01
2022	1,841,527	16	1,898,755	17	2,268,283	30	14.11	0.97
2021	1,894,535	17	1,312,929	15	1,294,525	20	15.82	1.44
2020	1,843,314	14	1,286,131	14	1,267,210	27	15.60	1.43
2019	1,694,247	22	1,478,890	20	1,340,366	22	14.99	1.15
2018	1,156,702	14	1,012,889	14	1,019,418	30	15.04	1.14
2017	1,094,778	18	995,706	18	688,062	21	14.76	1.10
2016	907,400	16	918,352	16	546,950	20	14.25	0.99
2015	981,867	16	835,011	14	514,714	18	14.75	1.18
2014	1,193,442	15	1,028,925	15	814,064	21	14.85	1.16

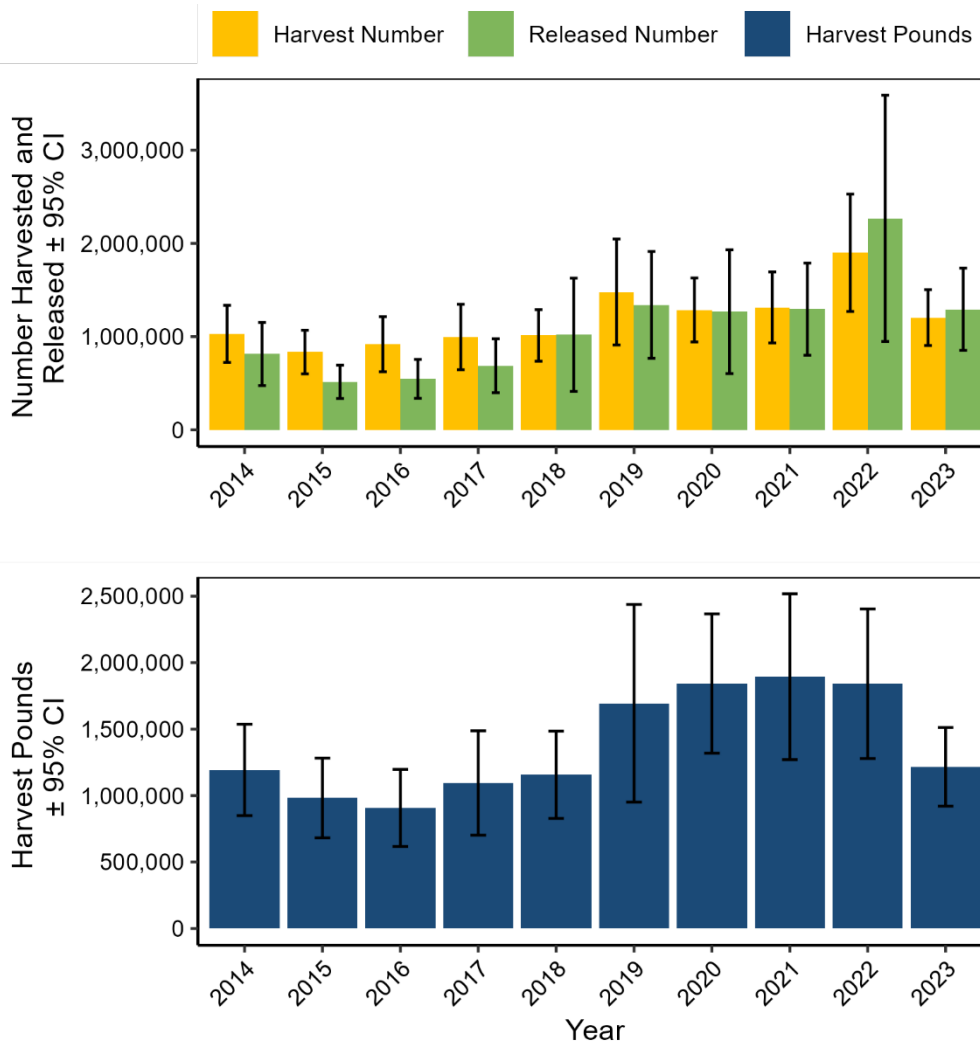


Figure III.39 Mackerel, Spanish recreational catch in North Carolina by year.

Table III.45 Mackerel, Spanish recreational catch by state, 2023.

State	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number	PSE (release)	Mean Length (inches)	Mean Weight (lb)
Delaware	23,909	70	18,420	75	351	86	15.18	1.3
East Florida	2,283,714	25	1,394,829	22	890,686	32	17.07	1.64
Georgia	148,235	74	118,092	75	61,330	60	15.25	1.26
Maryland	83,661	40	63,833	43	30,105	62	15.38	1.31
Massachusetts	0	-	0	-	3,644	55	-	-
New Jersey	56,701	61	45,690	62	52,803	70	15.39	1.24
New York	2,985	73	3,573	72	11,370	74	12.94	0.84
North Carolina	1,216,236	12	1,204,175	13	1,293,628	17	14.43	1.01
Rhode Island	0	-	0	-	2,000	89	-	-
South Carolina	857,266	32	944,745	30	1,487,206	31	14.09	0.91
Virginia	497,525	25	498,878	26	297,903	41	14.8	1

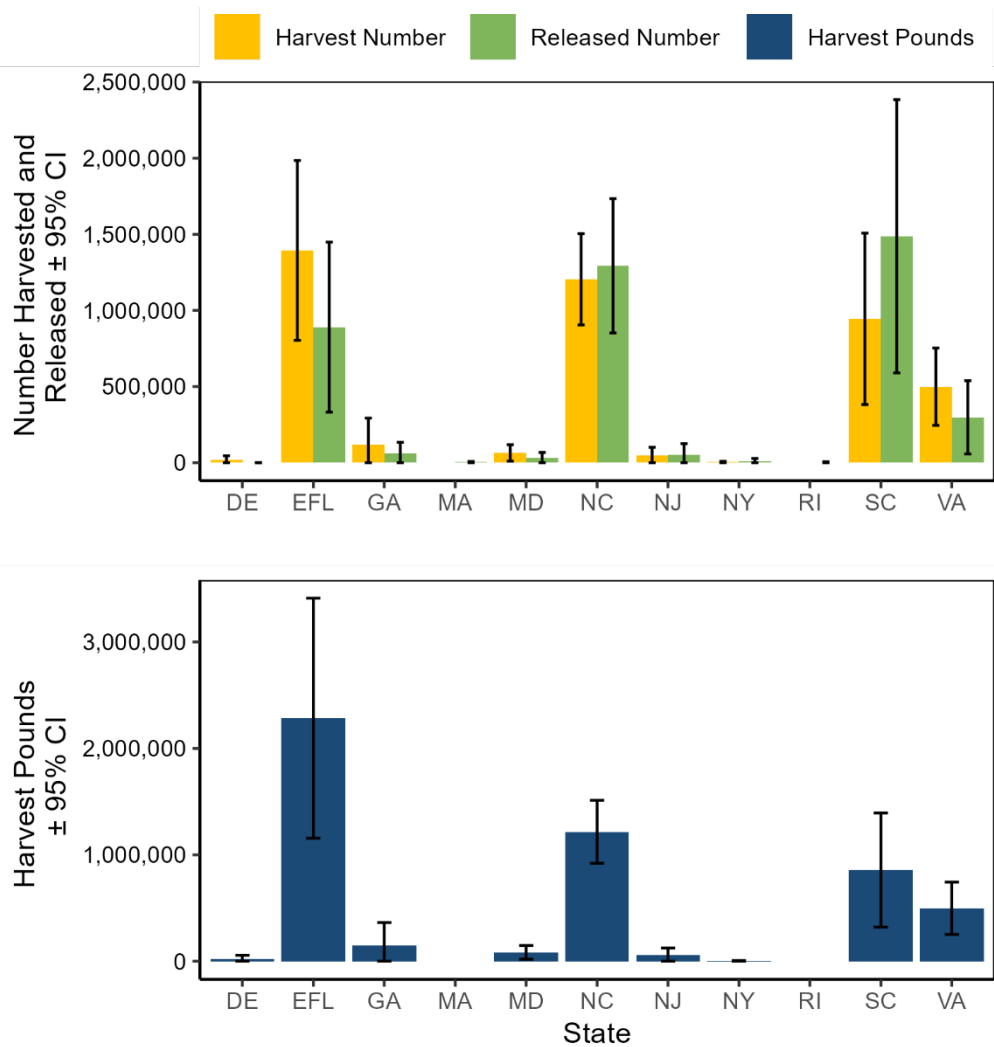


Figure III.40 Mackerel, Spanish recreational catch by state, 2023.

Table III.46 Perch, Silver recreational catch in North Carolina by year.

Year	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number	PSE (release)	Mean Length (inches)	Mean Weight (lb)
2023	1,092	76	3,811	72	93,074	53	8.20	0.29
2022	776	52	4,432	59	157,214	40	7.26	0.18
2021	34,609	90	156,481	90	135,156	32	7.44	0.22
2020	3,838	54	21,049	56	85,350	31	7.09	0.18
2019	7,520	40	32,444	49	244,868	30	6.90	0.23
2018	1,594	54	6,595	55	84,721	39	7.40	0.24
2017	24,532	45	133,676	44	441,052	37	7.28	0.18
2016	11,275	48	55,040	46	499,616	26	7.54	0.20
2015	8,832	65	41,707	65	98,138	36	7.57	0.21
2014	19,567	56	91,219	58	561,115	56	7.10	0.21

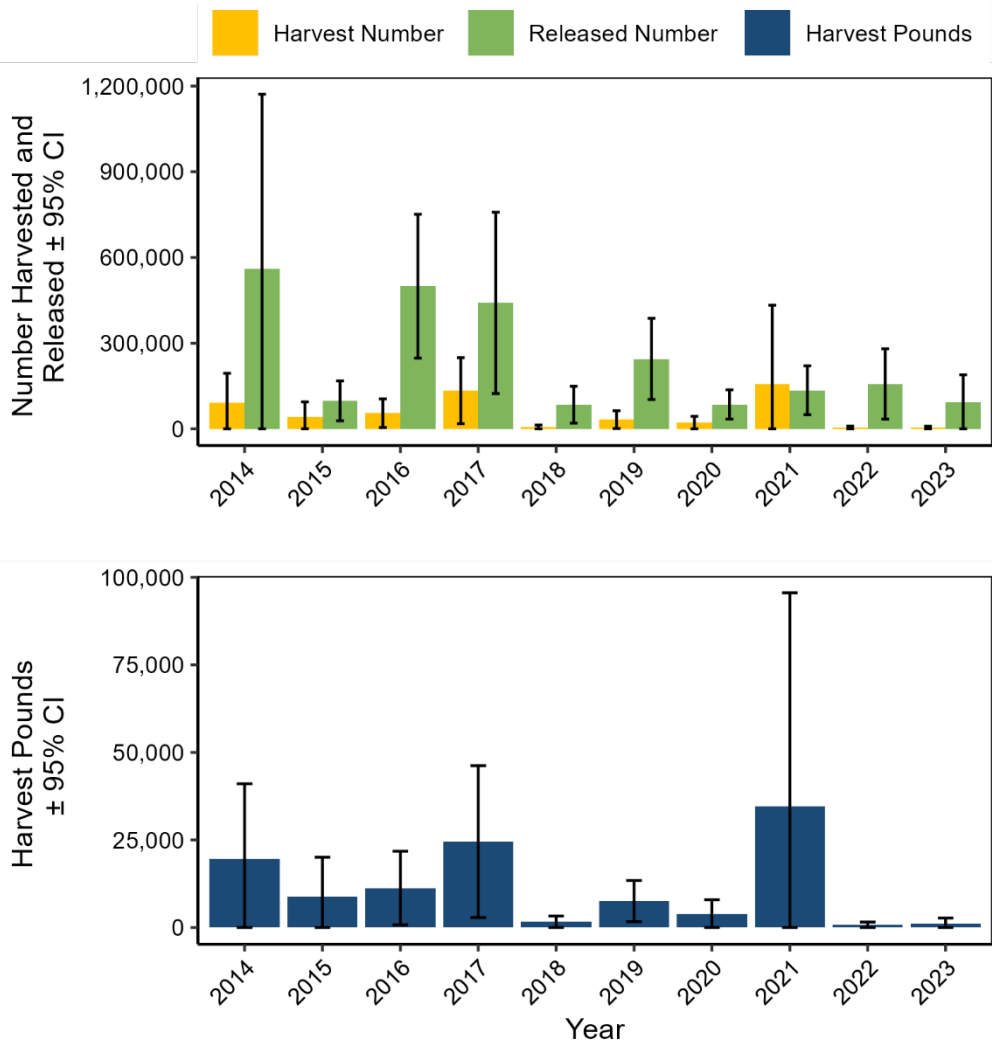


Figure III.41 Perch, Silver recreational catch in North Carolina by year.

Table III.47 Perch, Silver recreational catch by state, 2023.

State	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number	PSE (release)	Mean Length (inches)	Mean Weight (lb)
East Florida	4,913	72	18,170	71	134,479	63	7.57	0.27
Georgia	17,293	44	70,714	40	572,018	35	7.34	0.24
Maryland	0	-	0	-	28,953	88	-	-
North Carolina	1,092	76	3,811	72	93,074	53	8.2	0.29
South Carolina	29,561	83	107,095	82	242,334	46	7.82	0.28
Virginia	1,030	97	2,668	97	142,128	66	9.71	0.39

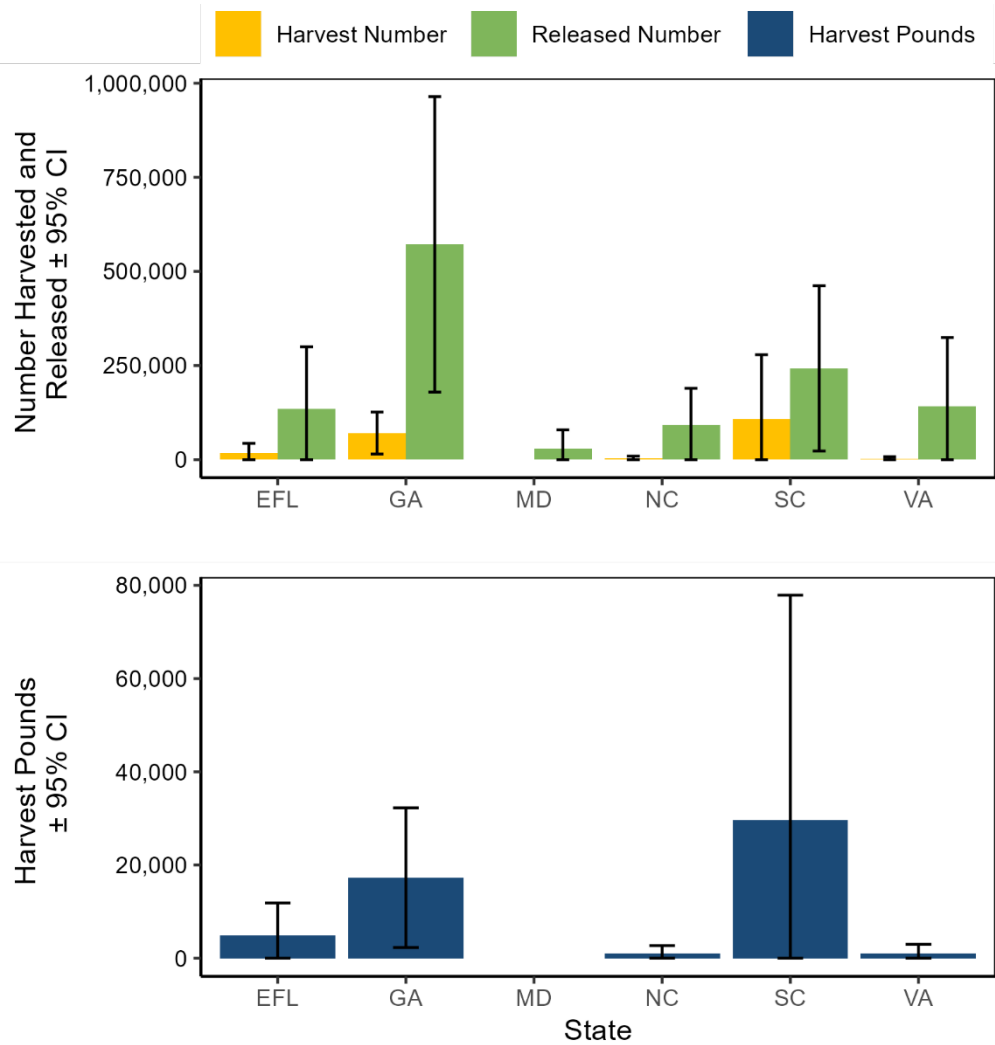


Figure III.42 Perch, Silver recreational catch by state, 2023.

Table III.48 Pigfish recreational catch in North Carolina by year.

Year	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number	PSE (release)	Mean Length (inches)	Mean Weight (lb)
2023	197,723	21	490,705	20	1,230,152	16	7.94	0.40
2022	448,404	32	1,190,673	31	2,179,940	22	8.22	0.38
2021	119,332	20	301,906	17	1,149,108	16	8.16	0.40
2020	147,533	23	454,825	22	855,547	18	7.89	0.32
2019	146,570	21	432,005	22	1,639,294	31	7.95	0.34
2018	163,686	21	418,174	22	1,385,059	15	8.35	0.39
2017	218,003	28	656,096	28	2,025,949	20	8.01	0.33
2016	443,062	24	1,316,198	23	2,452,668	14	7.98	0.34
2015	567,572	24	1,593,393	25	3,332,936	14	8.26	0.36
2014	354,667	24	1,278,934	27	2,764,971	17	7.25	0.28

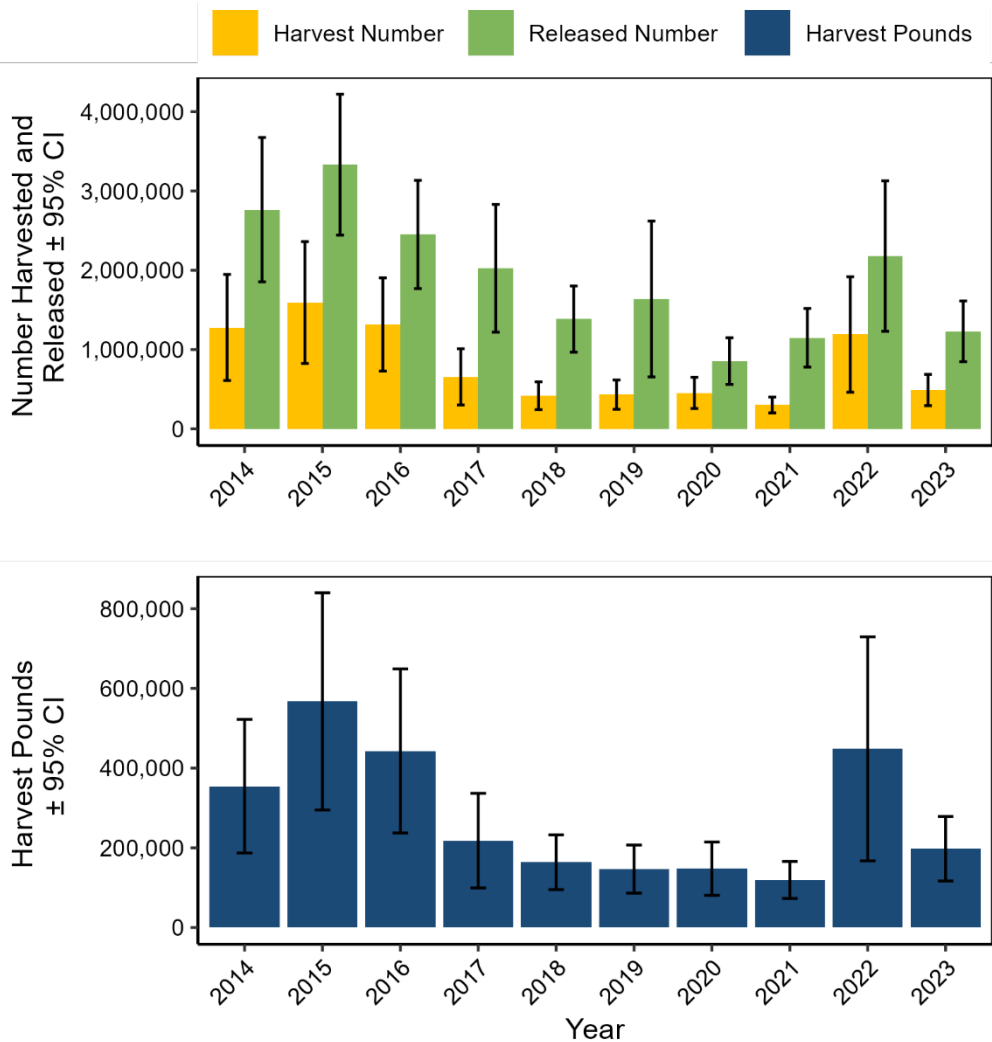


Figure III.43 Pigfish recreational catch in North Carolina by year.

Table III.49 Pigfish recreational catch by state, 2023.

State	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number	PSE (release)	Mean Length (inches)	Mean Weight (lb)
Delaware	10,649	69	48,304	69	17	116	6.16	0.22
East Florida	83,911	35	202,280	35	749,691	26	8.57	0.41
Georgia	41,121	53	97,306	49	73,642	34	8.13	0.42
Maryland	5	58	18	50	26,519	64	6.82	0.28
New Jersey	0	-	0	-	8,303	100	-	-
North Carolina	197,723	21	490,705	20	1,230,152	16	7.94	0.4
South Carolina	22,433	27	56,748	28	714,501	43	7.97	0.4
Virginia	8,209	68	26,240	73	747,003	36	7.43	0.31

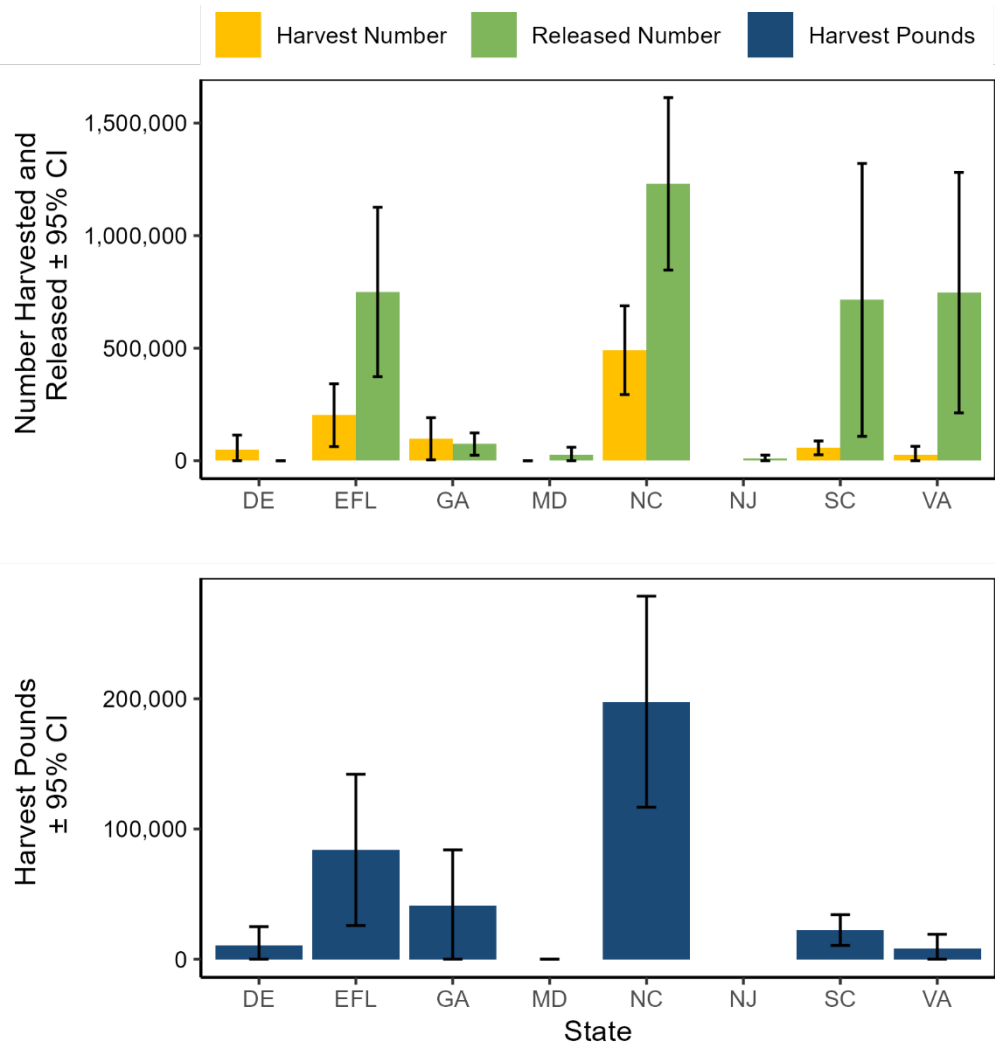


Figure III.44 Pigfish recreational catch by state, 2023.

Table III.50 Pinfish recreational catch in North Carolina by year.

Year	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number	PSE (release)	Mean Length (inches)	Mean Weight (lb)
2023	352,853	20	1,328,754	20	12,293,983	12	6.90	0.27
2022	151,153	25	1,016,021	25	11,083,511	13	6.27	0.15
2021	167,331	25	1,079,719	26	7,778,171	11	5.60	0.15
2020	170,160	34	869,751	30	6,926,966	12	6.15	0.20
2019	217,718	24	955,550	25	9,076,843	11	6.64	0.23
2018	188,046	19	886,712	19	9,646,310	11	6.38	0.21
2017	283,455	24	917,956	24	13,677,930	17	6.95	0.31
2016	246,720	20	1,236,741	20	16,905,448	14	6.34	0.20
2015	449,239	24	1,597,032	21	14,915,393	11	6.81	0.28
2014	281,547	16	1,453,062	17	19,323,896	11	5.98	0.19

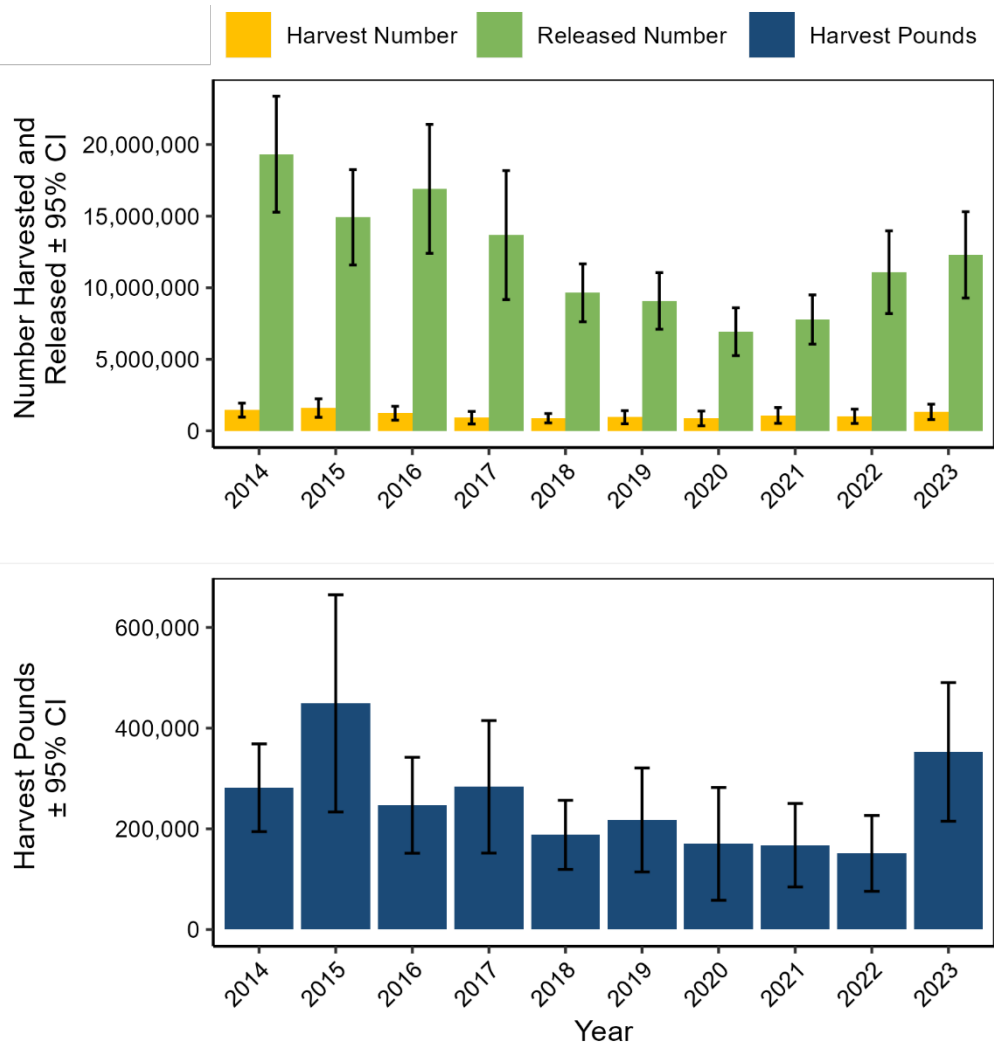


Figure III.45 Pinfish recreational catch in North Carolina by year.

Table III.51 Pinfish recreational catch by state, 2023.

State	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number	PSE (release)	Mean Length (inches)	Mean Weight (lb)
Delaware	0	-	0	-	2,028	72	-	-
East Florida	84,118	28	327,982	32	1,020,198	25	6.5	0.26
Georgia	25,223	49	85,966	50	593,911	63	7.36	0.29
Maryland	10	10	9	10	53	10	5.75	1.1
Massachusetts	31	101	41	101	35	103	11.3	0.75
New Jersey	0	-	0	-	2,149	101	-	-
New York	32	93	37	93	0	-	10.39	0.85
North Carolina	352,853	20	1,328,754	20	12,293,983	12	6.9	0.27
South Carolina	89,684	34	283,145	31	5,907,673	17	6.97	0.32
Virginia	84,795	91	143,650	89	710,589	64	8.73	0.59

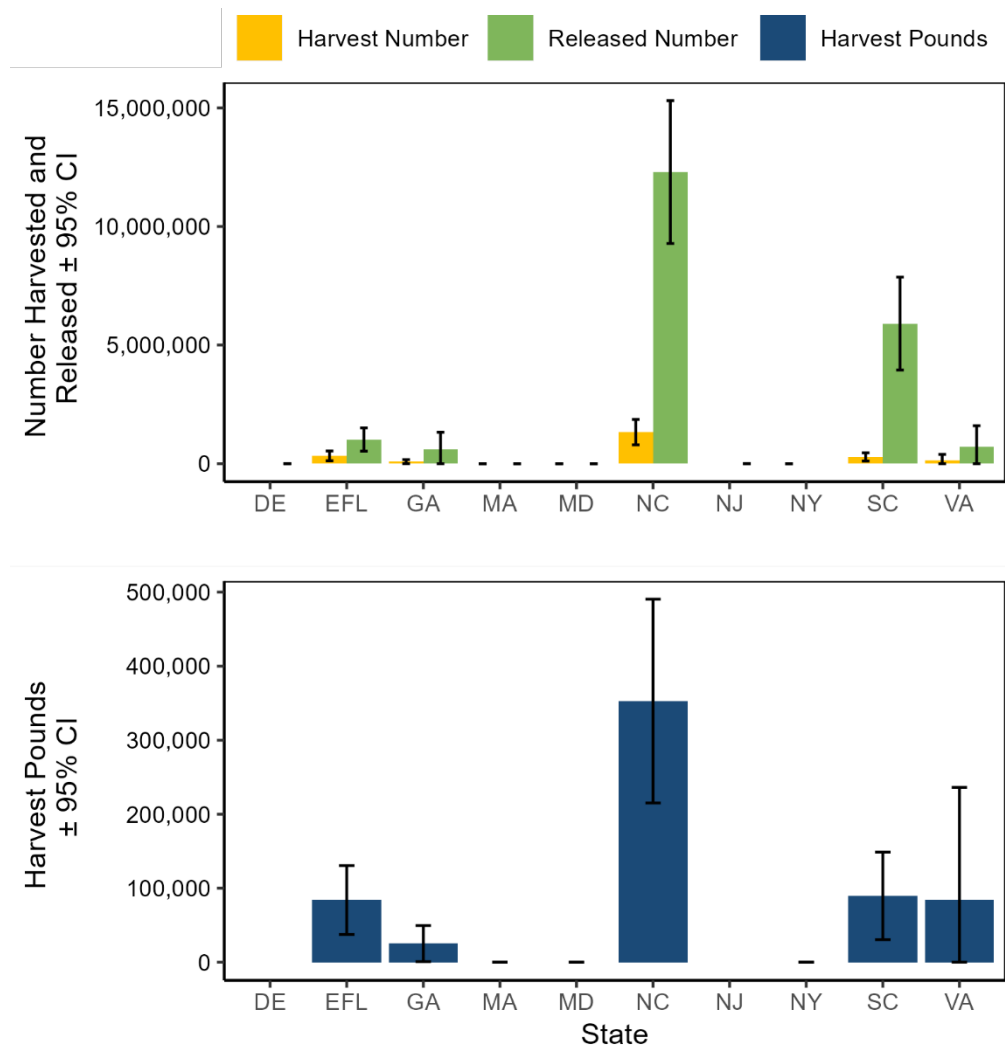


Figure III.46 Pinfish recreational catch by state, 2023.

Table III.52 Pompano, Florida recreational catch in North Carolina by year.

Year	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number	PSE (release)	Mean Length (inches)	Mean Weight (lb)
2023	70,418	41	91,178	41	876,901	47	9.05	0.77
2022	105,344	44	584,682	45	1,724,601	30	6.35	0.18
2021	218,191	44	348,053	36	1,153,404	27	8.18	0.63
2020	406,980	59	441,569	36	832,361	28	9.30	0.92
2019	769,603	46	1,734,862	50	1,668,678	35	7.76	0.44
2018	245,670	42	318,702	37	1,267,505	23	8.65	0.77
2017	290,660	54	730,412	54	1,681,692	32	7.41	0.40
2016	258,769	55	411,634	43	1,446,589	27	8.48	0.63
2015	306,213	43	722,558	36	883,312	26	7.01	0.42
2014	360,398	34	646,308	33	1,112,888	22	8.46	0.56

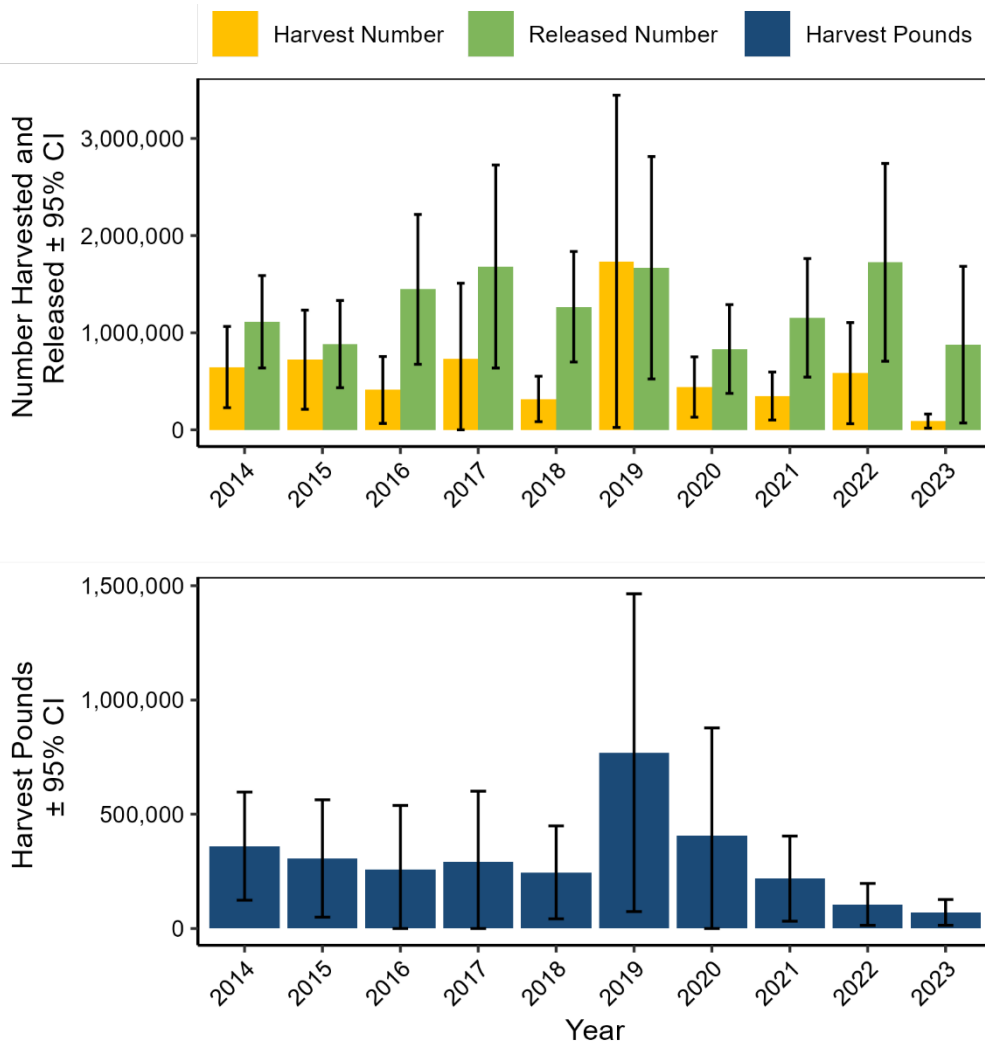


Figure III.47 Pompano, Florida recreational catch in North Carolina by year.

Table III.53 Pompano, Florida recreational catch by state, 2023.

State	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number	PSE (release)	Mean Length (inches)	Mean Weight (lb)
Delaware	2,046	97	1,138	97	0	-	13.39	1.80
East Florida	1,482,734	23	975,738	24	760,242	29	12.38	1.52
Georgia	7,847	74	5,932	74	9,177	60	11.93	1.32
North Carolina	70,418	41	91,178	41	876,901	47	9.05	0.77
South Carolina	302,293	23	214,889	23	3,313,377	32	11.84	1.41
Virginia	5,995	104	3,334	104	7,408	74	13.39	1.80

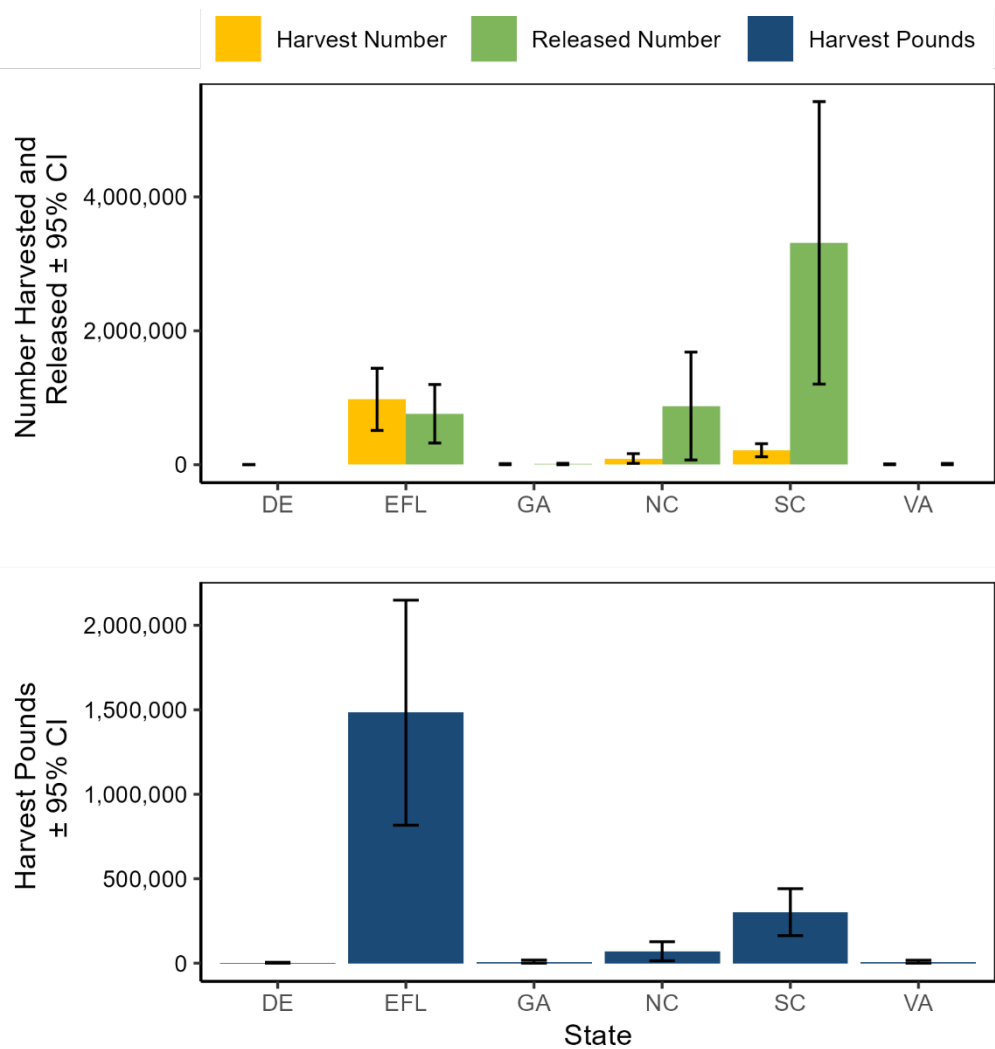


Figure III.48 Pompano, Florida recreational catch by state, 2023.

Table III.54 Puffer, Northern recreational catch in North Carolina by year.

Year	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number	PSE (release)	Mean Length (inches)	Mean Weight (lb)
2023	964,014	18	1,922,514	17	2,215,709	16	8.31	0.50
2022	966,751	30	1,902,264	30	2,650,698	18	8.26	0.51
2021	229,518	23	507,976	21	1,100,095	20	7.65	0.45
2020	507,458	22	1,164,950	22	1,097,409	23	7.96	0.44
2019	1,016,972	30	2,394,588	30	2,240,965	19	7.83	0.42
2018	148,220	60	325,810	57	407,924	24	7.82	0.45
2017	258,605	25	518,342	27	1,878,428	41	8.27	0.50
2016	782,983	22	1,627,063	22	1,927,787	18	8.18	0.48
2015	1,334,104	28	2,752,120	31	3,645,599	18	8.23	0.48
2014	248,174	40	490,259	39	419,798	31	9.04	0.51

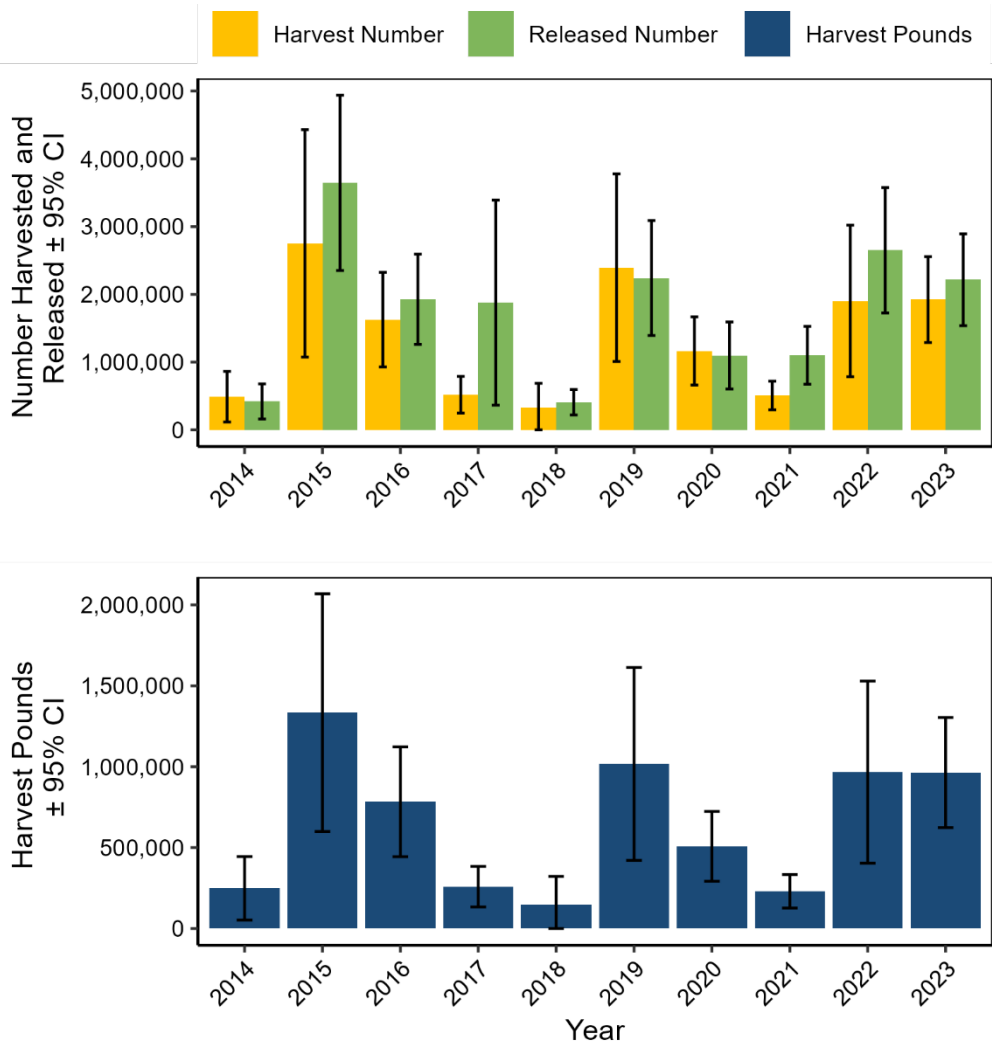


Figure III.49 Puffer, Northern recreational catch in North Carolina by year.

Table III.55 Puffer, Northern recreational catch by state, 2023.

State	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number	PSE (release)	Mean Length (inches)	Mean Weight (lb)
Connecticut	0	-	0	-	2,219	99	-	-
Delaware	0	-	0	-	30,496	60	-	-
Maryland	833	103	3,779	103	47,518	57	6.5	0.22
Massachusetts	0	-	0	-	5,773	99	-	-
New Jersey	8,197	72	25,284	72	108,121	34	6.92	0.32
New York	16,652	46	46,224	63	680,944	42	6.68	0.36
North Carolina	964,014	18	1,922,514	17	2,215,709	16	8.31	0.5
Rhode Island	0	-	3,487	103	36,917	50	-	-
South Carolina	32,341	29	67,882	28	46,307	41	8.17	0.48
Virginia	45,539	77	95,013	67	781,689	59	7.57	0.48

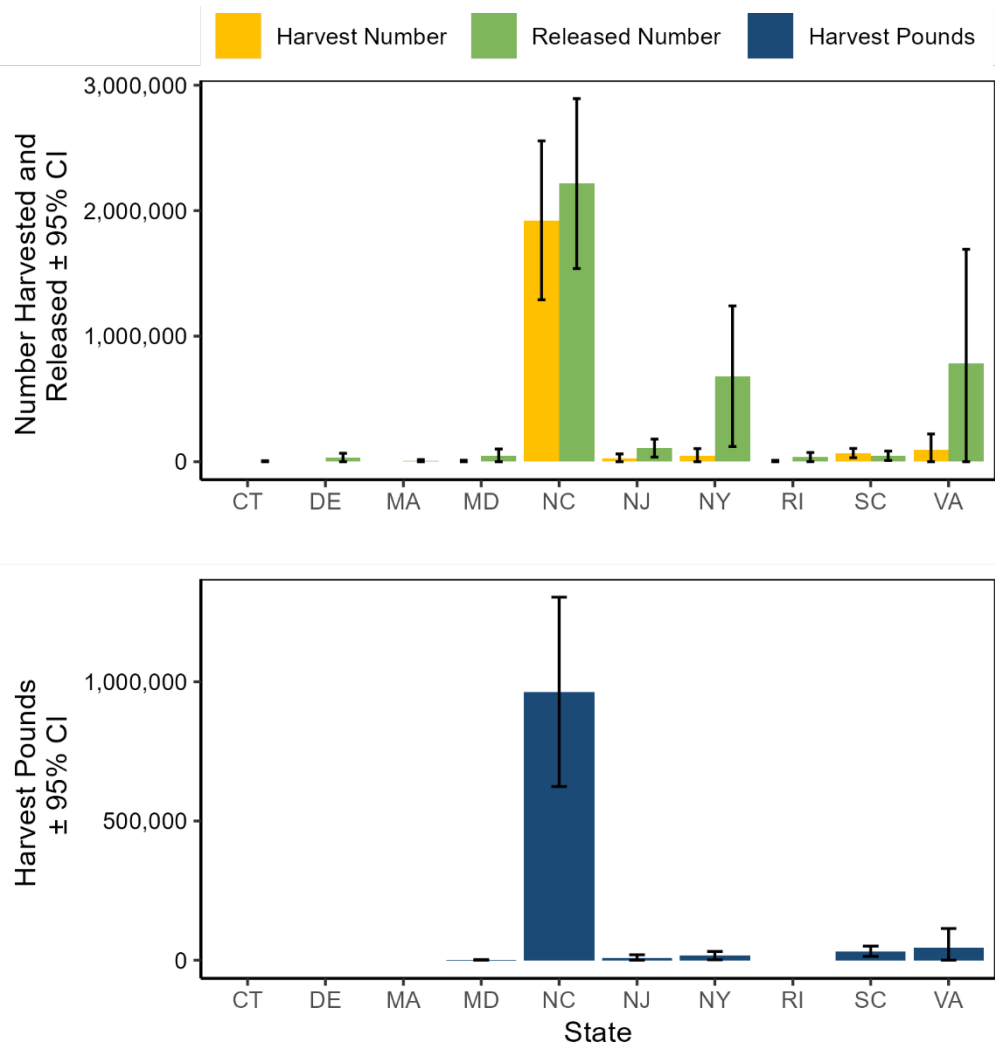


Figure III.50 Puffer, Northern recreational catch by state, 2023.

Table III.56 Seatrout, Spotted recreational catch in North Carolina by year.

Year	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number	PSE (release)	Mean Length (inches)	Mean Weight (lb)
2023	1,923,165	12	1,002,906	12	4,566,788	17	17.26	1.92
2022	3,756,040	15	1,963,400	14	10,860,575	22	17.43	1.91
2021	2,241,421	12	1,223,508	11	6,284,614	19	17.02	1.83
2020	3,632,315	11	2,053,354	11	6,155,571	11	16.95	1.77
2019	3,334,163	12	1,937,250	11	7,161,183	12	16.70	1.72
2018	658,555	18	449,473	19	15,238,355	44	15.74	1.47
2017	2,157,198	15	1,217,834	15	5,147,567	15	16.96	1.77
2016	1,724,492	14	978,624	13	6,475,193	18	16.75	1.76
2015	430,579	23	249,260	22	4,824,088	23	16.91	1.73
2014	1,451,592	16	725,086	14	3,949,284	14	17.55	2.00

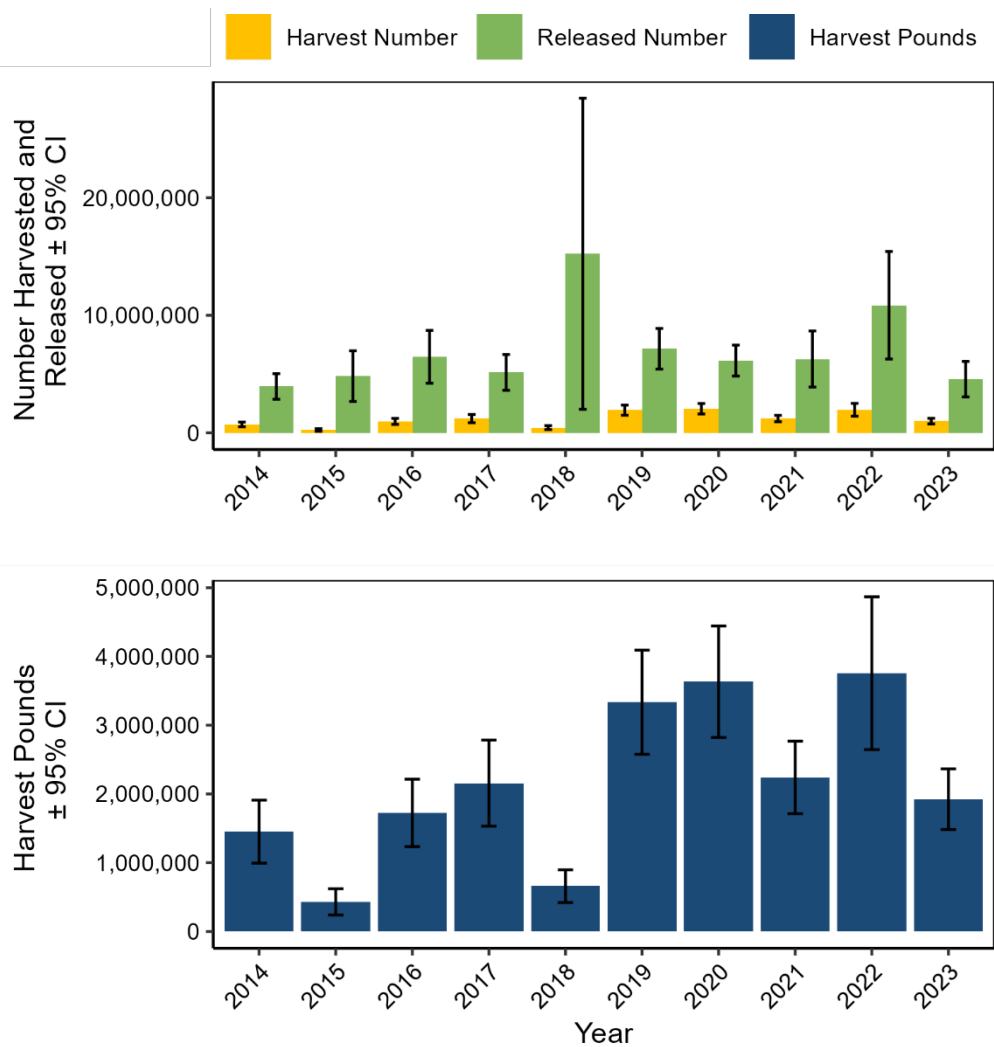


Figure III.51 Seatrout, Spotted recreational catch in North Carolina by year.

Table III.57 Seatrout, Spotted recreational catch by state, 2023.

State	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number	PSE (release)	Mean Length (inches)	Mean Weight (lb)
Delaware	0	-	0	-	19,472	94	-	-
East Florida	313,986	19	222,214	19	2,825,335	14	16.07	1.41
Georgia	669,434	16	497,679	16	1,644,289	16	15.26	1.35
Maryland	47,091	67	21,533	60	49,493	50	17.97	2.19
North Carolina	1,923,165	12	1,002,906	12	4,566,788	17	17.26	1.92
South Carolina	463,895	22	304,452	22	1,068,702	16	15.9	1.52
Virginia	938,451	33	410,505	32	3,557,195	46	18.12	2.29

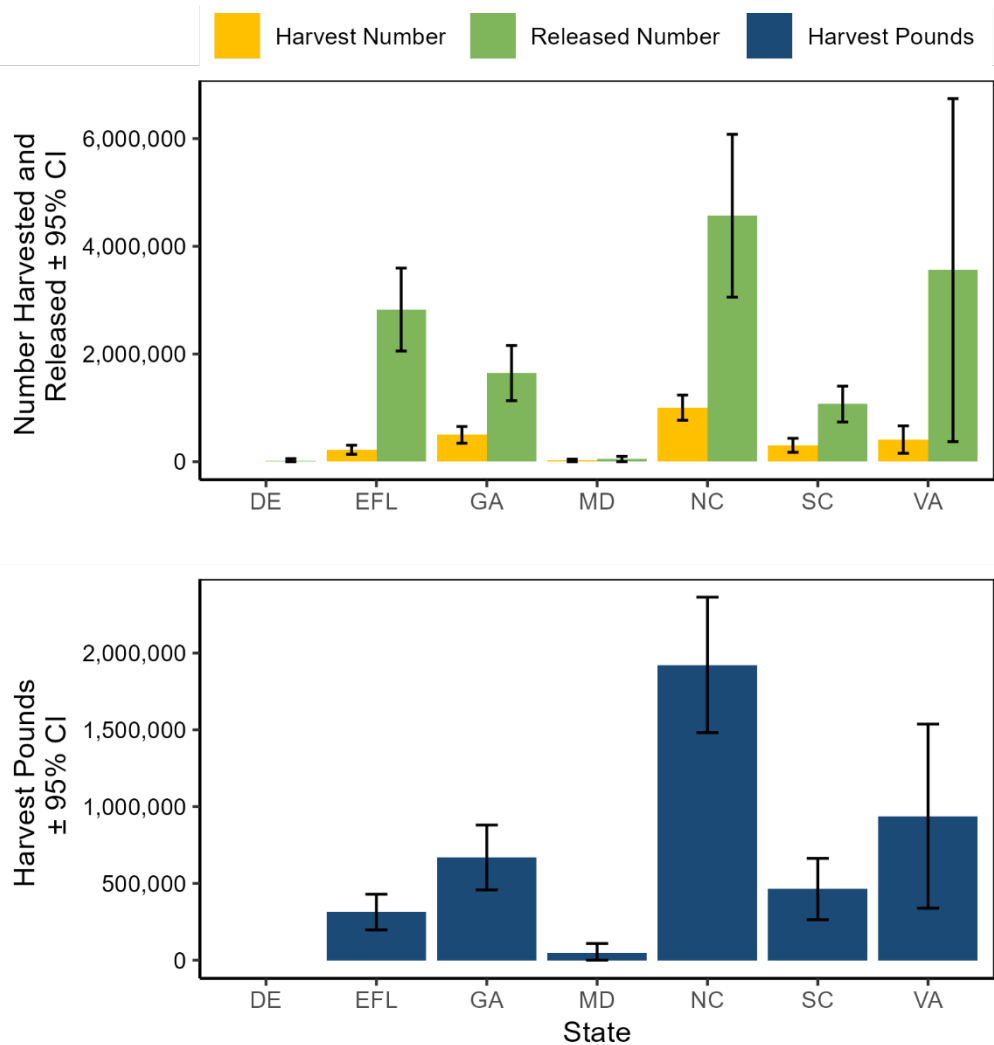


Figure III.52 Seatrout, Spotted recreational catch by state, 2023.

Table III.58 Shark, Dogfish family recreational catch in North Carolina by year.

Year	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number	PSE (release)	Mean Length (inches) ¹	Mean Weight (lb) ¹
2023	272,276	41	55,431	42	751,861	45	-	-
2022	14,461	43	5,214	42	72,063	49	-	-
2021	117,447	90	21,587	87	411,720	96	-	-
2020	16,763	71	3,073	64	511,128	89	-	-
2019	50,477	61	8,962	58	276,623	37	-	-
2018	43,732	70	7,514	65	186,918	64	-	-
2017	5,616	88	683	86	78,761	42	-	-
2016	359,844	63	33,490	63	149,818	22	-	-
2015	38,340	81	8,314	68	777,052	57	-	-
2014	11,978	88	1,992	85	709,206	39	-	-

¹Multiple species of sharks are reported for this category, mean length and weight by individual species of shark are available upon request.

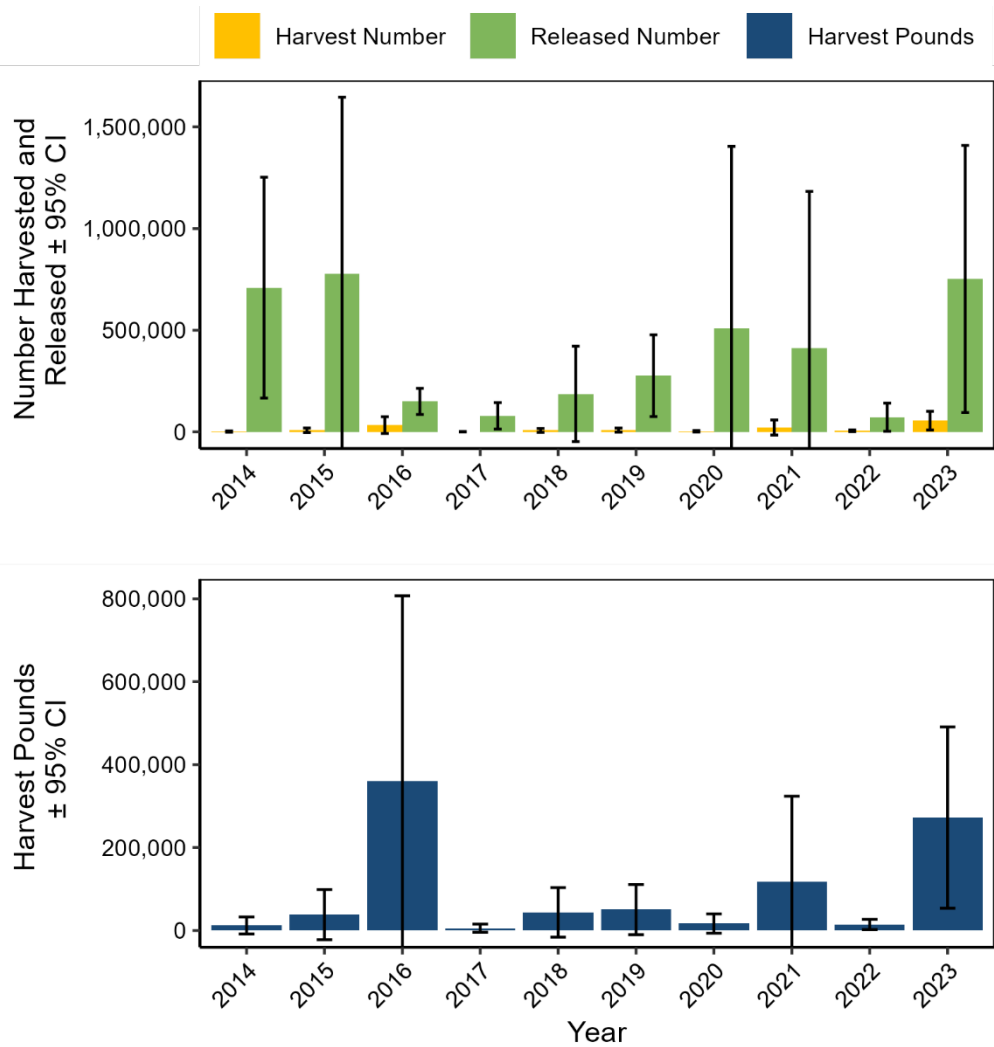


Figure III.53 Shark, Dogfish family recreational catch in North Carolina by year.

Table III.59 Shark, Dogfish family recreational catch by state, 2023.

State	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number	PSE (release)	Mean Length (inches) ¹	Mean Weight (lb) ¹
Connecticut	59,820	59	6,235	62	314,896	34	-	-
Delaware	61	50	51	77	157,165	38	-	-
Georgia	0	-	0	-	1,391	0	-	-
Maine	0	-	0	-	26,514	4	-	-
Maryland	0	-	0	-	63,259	1	-	-
Massachusetts	14,805	64	3,531	53	257,002	18	-	-
New Hampshire	20,594	1	2,112	3	53,600	20	-	-
New Jersey	85,739	29	10,401	20	1,158,075	11	-	-
New York	21,001	44	3,224	34	1,737,983	38	-	-
North Carolina	272,276	29	55,431	28	751,861	43	-	-
Rhode Island	7,255	88	6,015	92	140,342	13	-	-
Virginia	8,916	0	2,341	1	133,248	0	-	-

¹ Multiple species of sharks are reported for this category, mean length and weight by individual species of shark are available upon request.

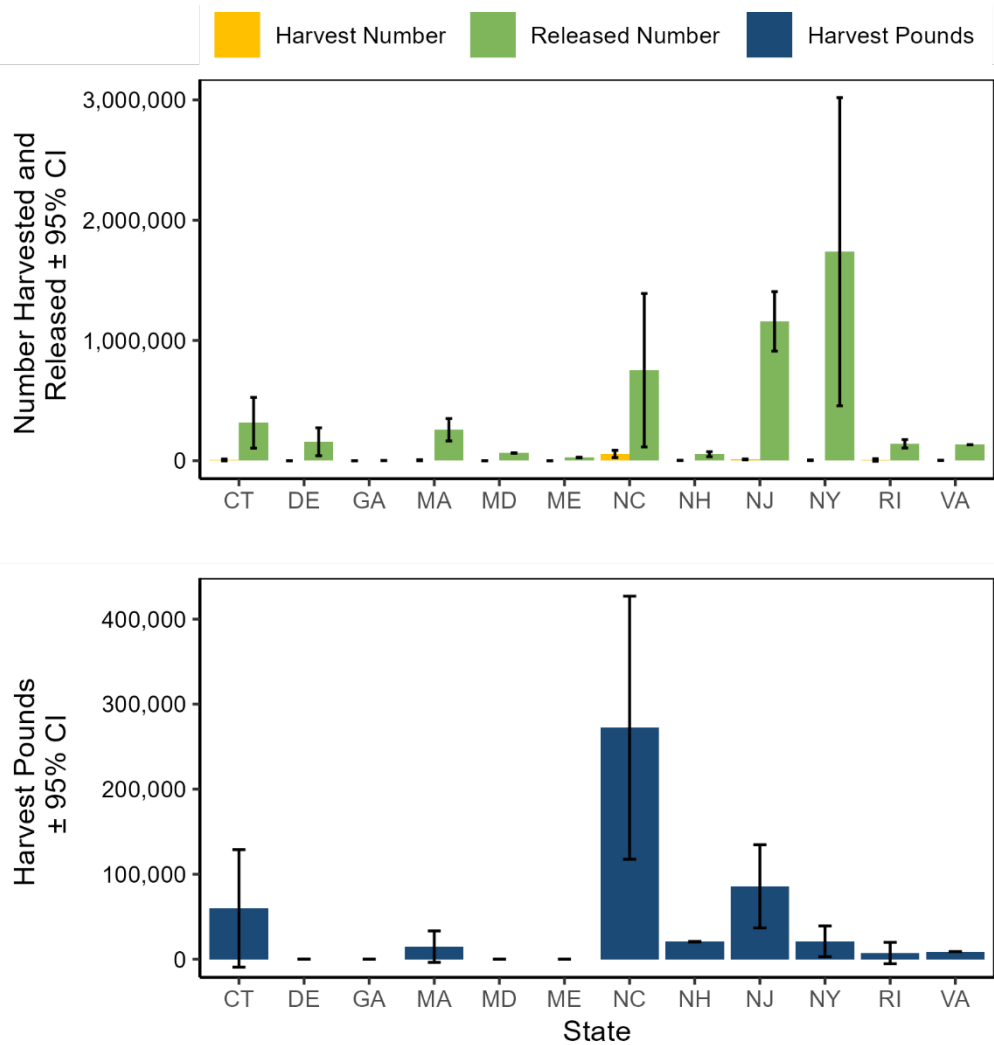


Figure III.54 Shark, Dogfish family recreational catch by state, 2023.

Table III.60 Shark, Pelagic recreational catch in North Carolina by year.

Year	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number	PSE (release)	Mean Length (inches) ¹	Mean Weight (lb) ¹
2023	-	-	-	-	-	-	-	-
2022	-	-	-	-	-	-	-	-
2021	-	-	111	71	20	71	-	-
2020	0	-	0	-	38	37	-	-
2019	0	-	0	-	888	41	-	-
2018	160,155	82	2,043	82	38	40	-	-
2017	4,917	44	66	48	33	106	-	-
2016	0	-	0	-	3,512	0	-	-
2015	479,443	49	5,097	49	987	82	-	-
2014	2,082	28	26	31	296	82	-	-

¹ Multiple species of sharks are reported for this category, mean length and weight by individual species of shark are available upon request.

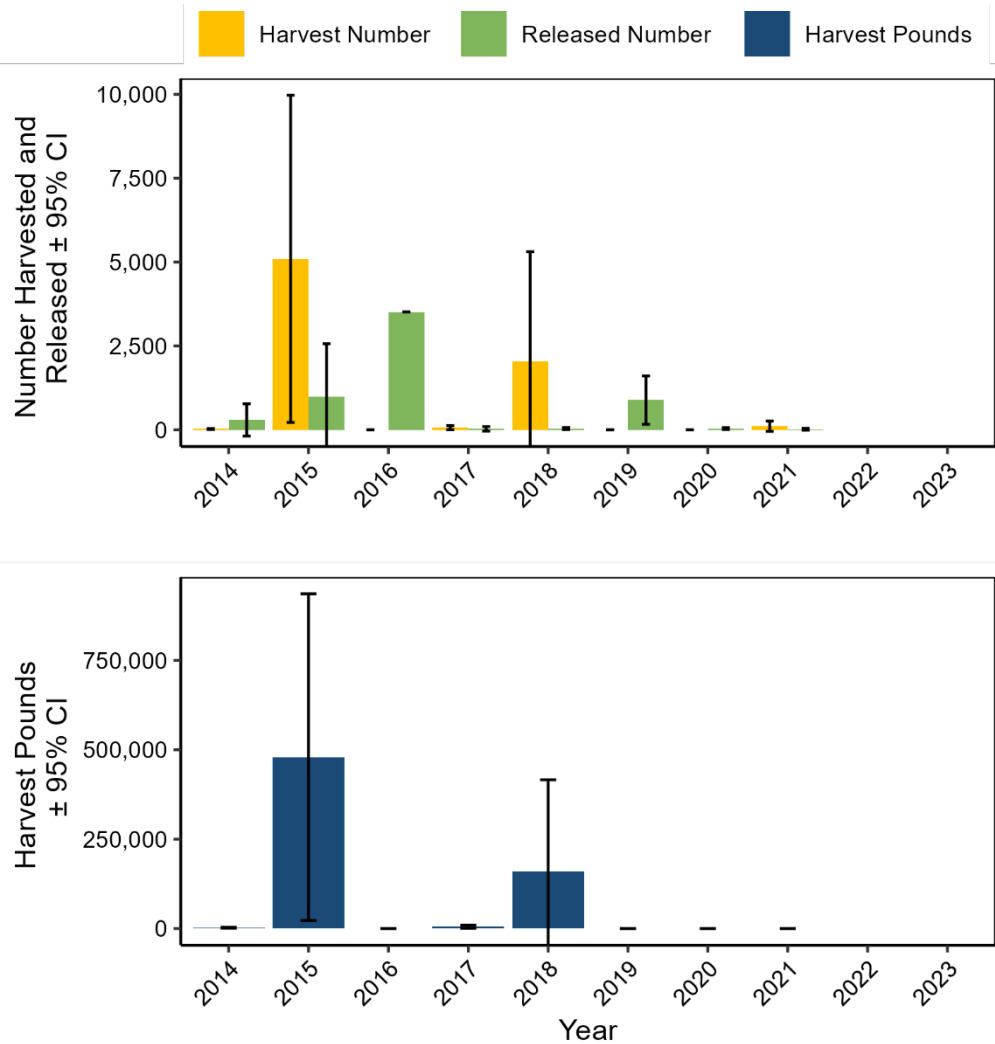


Figure III.55 Shark, Pelagic recreational catch in North Carolina by year.

Table III.61 Shark, Pelagic recreational catch by state, 2023.

State	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number	PSE (release)	Mean Length (inches) ¹	Mean Weight (lb) ¹
Connecticut	-	-	0	-	105	0	-	-
East Florida	-	-	0	-	730	0	-	-
Massachusetts	-	-	56	0	8,078	10	-	-
New Hampshire	-	-	154	16	419	19	-	-
New Jersey	-	-	1,135	0	7,928	6	-	-
New York	-	-	0	-	5,895	0	-	-
Rhode Island	-	-	0	-	1,192	0	-	-

¹ Multiple species of sharks are reported for this category, mean length and weight by individual species of shark are available upon request.

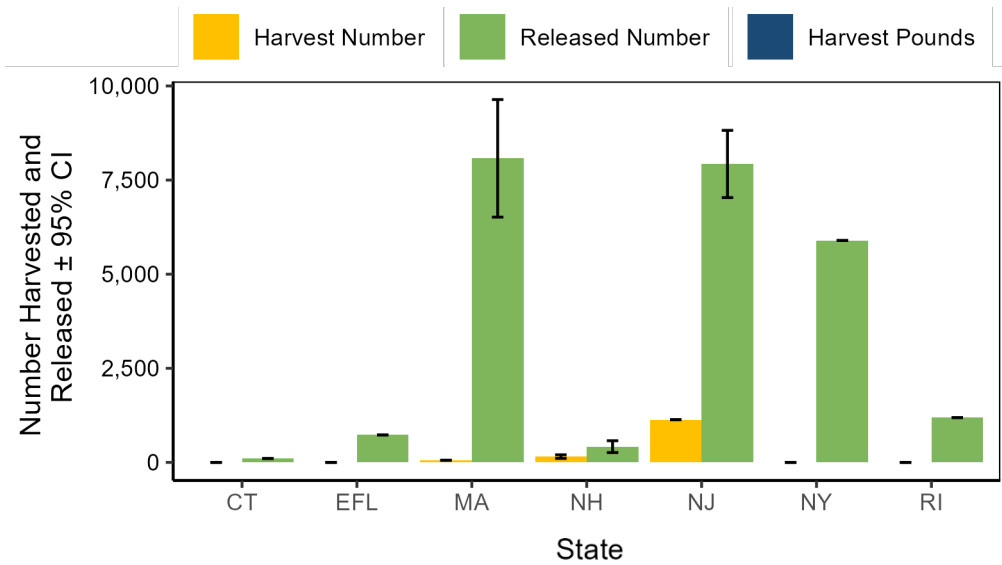


Figure III.56 Shark, Pelagic recreational catch by state, 2023.

Table III.62 Sheepshead recreational catch in North Carolina by year.

Year	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number	PSE (release)	Mean Length (inches)	Mean Weight (lb)
2023	619,265	16	263,328	14	734,253	20	13.43	2.35
2022	1,024,623	18	387,924	17	570,444	18	13.71	2.64
2021	928,130	19	324,540	16	873,080	17	13.78	2.86
2020	592,774	21	247,390	24	518,140	21	13.40	2.40
2019	590,150	25	221,419	22	312,479	26	13.91	2.67
2018	735,738	20	343,772	22	524,967	18	12.82	2.14
2017	810,633	20	282,480	19	910,841	23	13.87	2.87
2016	375,328	25	149,085	26	212,471	23	13.77	2.52
2015	520,382	21	181,554	22	160,447	23	14.20	2.87
2014	389,583	21	185,267	20	224,062	20	12.60	2.10

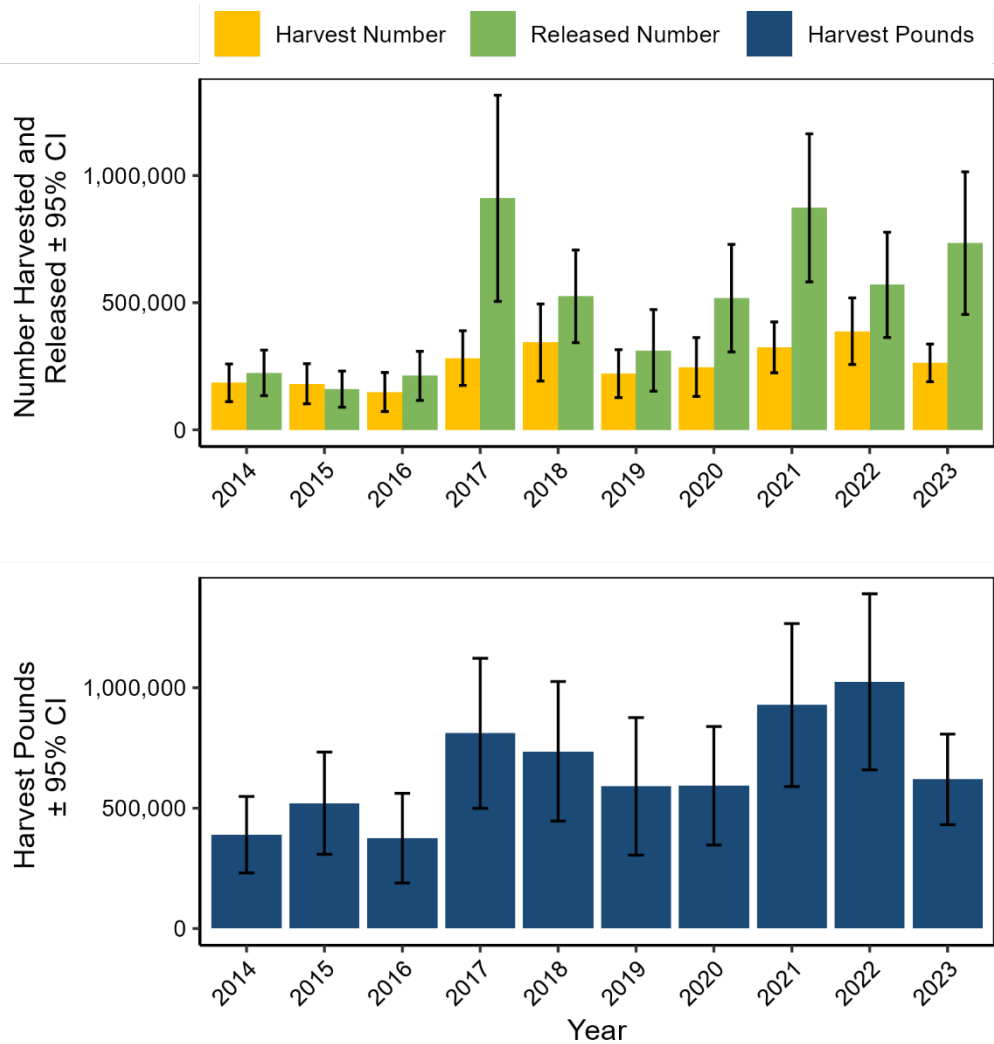


Figure III.57 Sheepshead recreational catch in North Carolina by year.

Table III.63 Sheepshead recreational catch by state, 2023.

State	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number	PSE (release)	Mean Length (inches)	Mean Weight (lb)
Delaware	145,926	76	27,452	74	107,366	41	17.69	5.32
East Florida	1,713,701	22	750,180	22	1,142,751	19	13.44	2.28
Georgia	316,449	31	178,702	29	201,444	37	12.17	1.77
Maryland	31,823	52	9,752	55	2,424	48	14.04	3.26
New Jersey	223,981	44	50,474	43	28,707	65	17.22	4.44
North Carolina	619,265	16	263,328	14	734,253	20	13.43	2.35
Rhode Island	0	-	0	-	350	100	-	-
South Carolina	351,572	24	106,655	24	449,408	22	15.25	3.3
Virginia	435,969	48	86,338	43	56,318	38	17.07	5.05

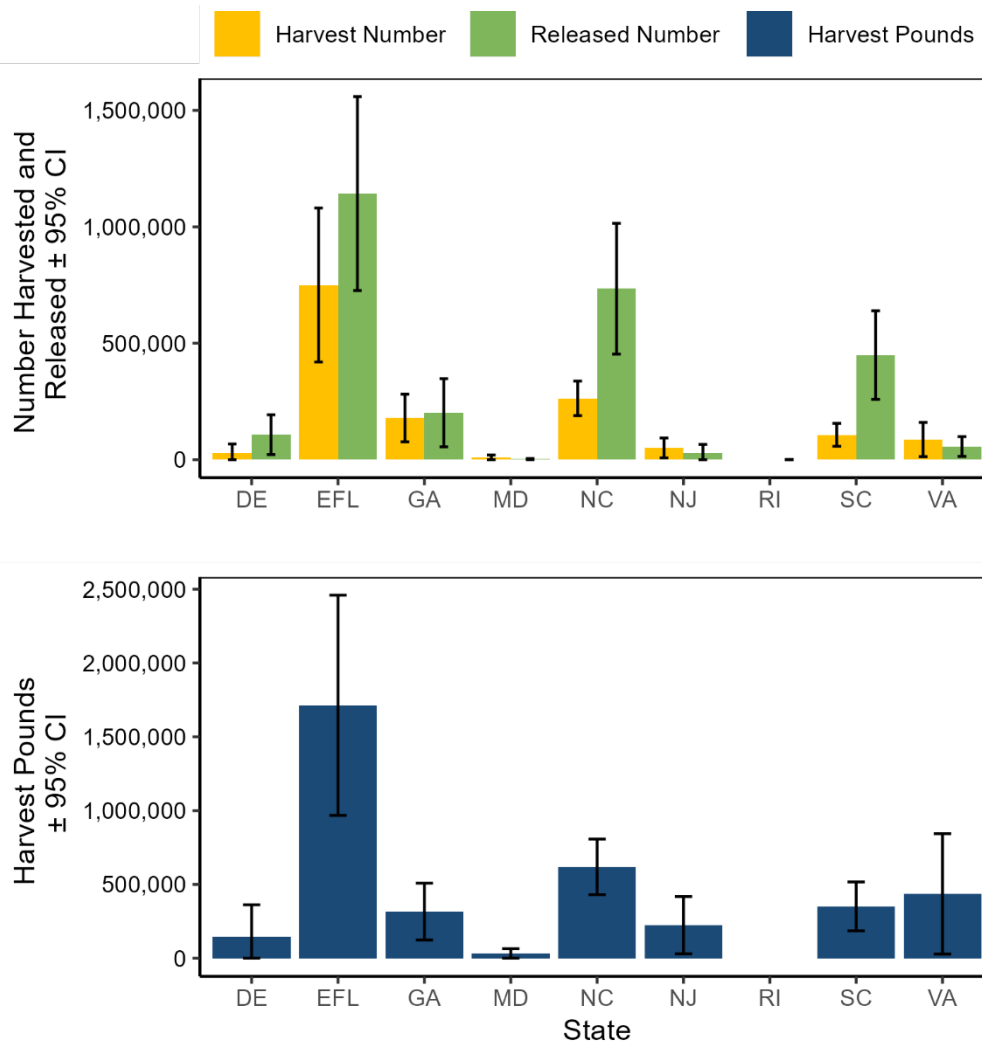


Figure III.58 Sheepshead recreational catch by state, 2023.

Table III.64 Spot recreational catch in North Carolina by year.

Year	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number	PSE (release)	Mean Length (inches)	Mean Weight (lb)
2023	300,052	31	855,729	26	2,737,778	21	7.80	0.35
2022	375,168	35	1,197,145	34	2,331,484	24	8.07	0.31
2021	435,231	22	1,199,080	19	2,357,567	20	7.96	0.36
2020	297,813	18	920,512	18	1,673,676	18	8.12	0.32
2019	851,998	28	2,822,884	28	2,356,120	27	7.68	0.30
2018	597,511	24	2,068,865	24	2,062,163	19	8.37	0.29
2017	909,796	51	2,418,331	45	1,902,281	28	8.07	0.38
2016	558,799	25	1,928,716	25	1,831,415	22	7.95	0.29
2015	833,390	21	2,572,738	20	2,984,629	15	8.06	0.32
2014	2,877,483	26	8,343,467	24	4,043,710	12	8.24	0.34

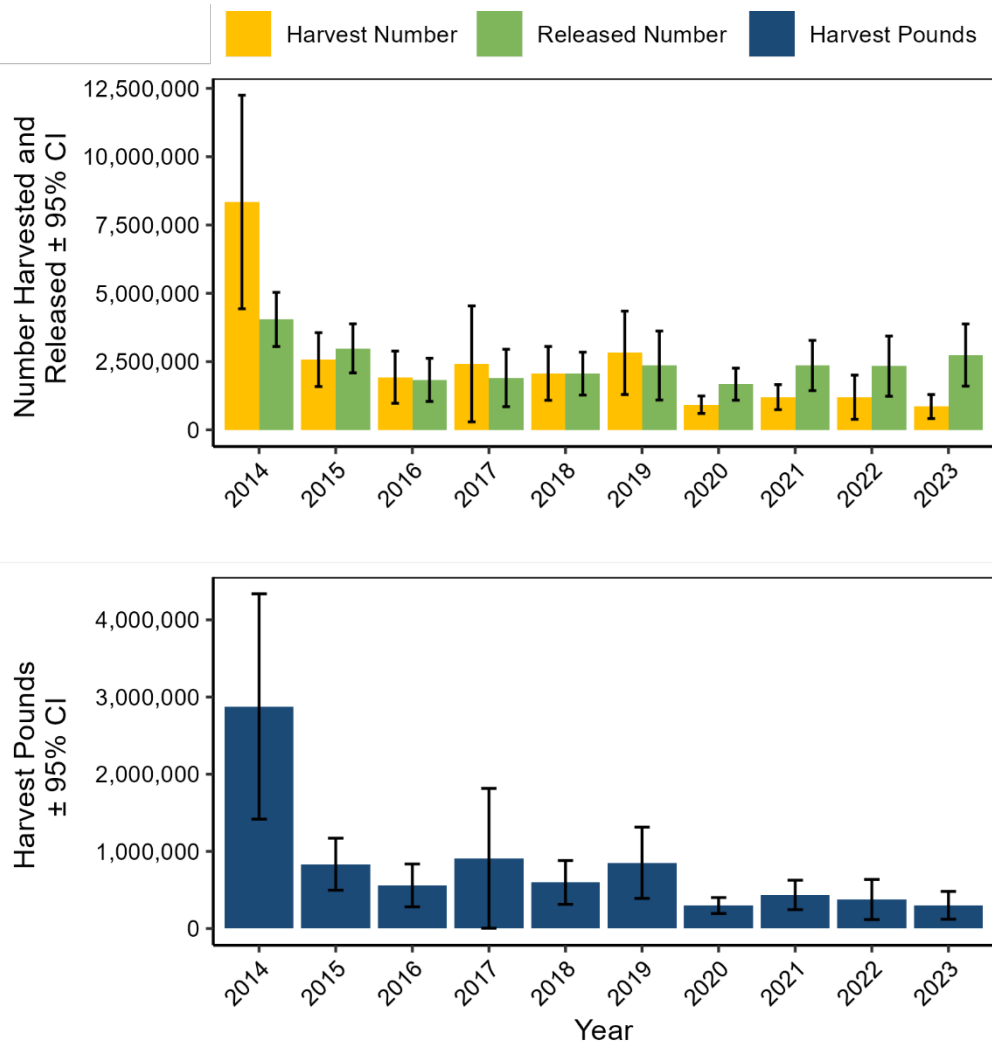


Figure III.59 Spot recreational catch in North Carolina by year.

Table III.65 Spot recreational catch by state, 2023.

State	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number	PSE (release)	Mean Length (inches)	Mean Weight (lb)
Delaware	242,352	41	669,372	40	342,448	28	7.77	0.36
East Florida	7,255	60	20,366	59	112,604	56	8.77	0.36
Georgia	11,987	44	43,413	43	118,198	45	7.79	0.28
Maryland	638,790	19	3,083,906	18	4,060,882	15	6.66	0.21
New Jersey	26,194	43	94,585	42	1,044,086	66	7.23	0.28
New York	18,234	87	99,879	86	422,964	88	6.32	0.18
North Carolina	300,052	31	855,729	26	2,737,778	21	7.80	0.35
Rhode Island	290	86	1,932	91	539	103	6.05	0.15
South Carolina	245,398	26	749,849	25	1,338,634	22	7.79	0.33
Virginia	770,060	23	3,265,598	22	4,192,568	18	7.00	0.24

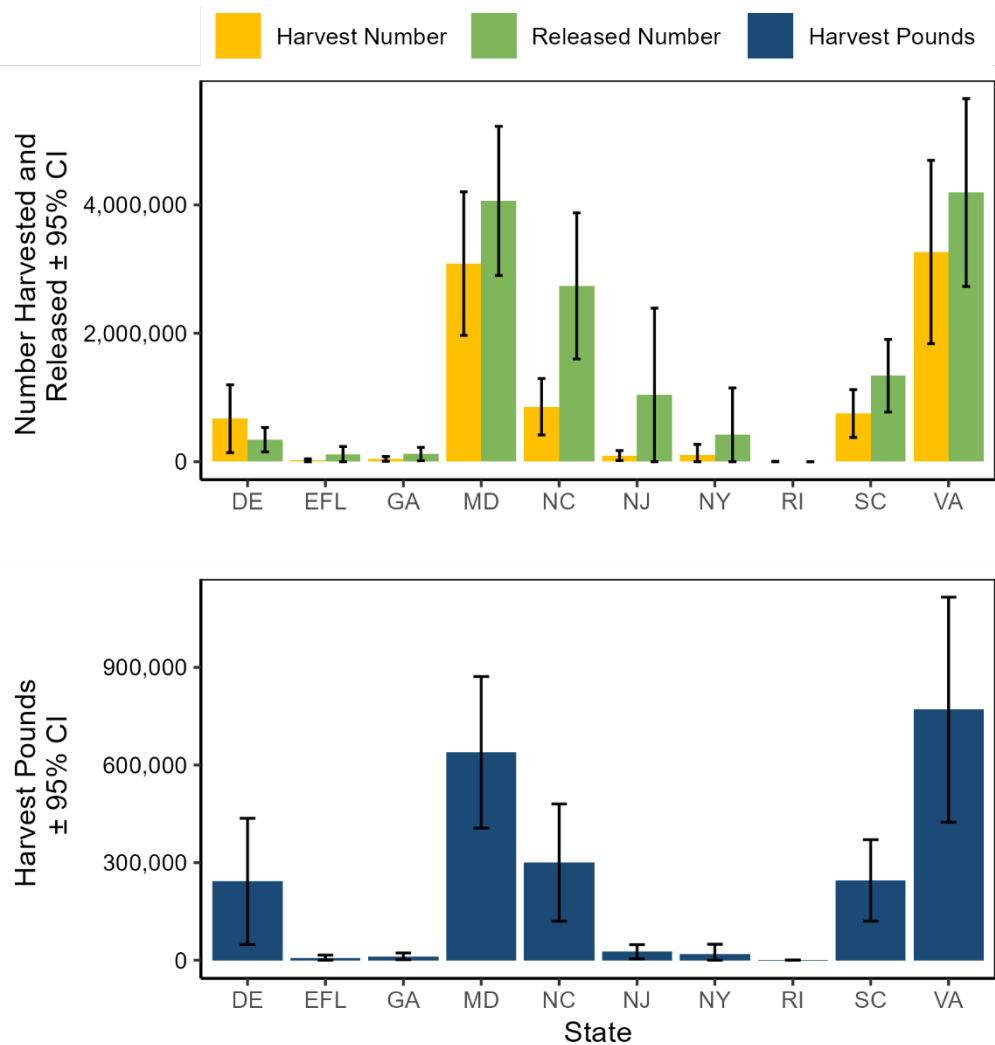


Figure III.60 Spot recreational catch by state, 2023.

Table III.66 Tuna, Yellowfin recreational catch in North Carolina by year.

Year	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number	PSE (release)	Mean Length (inches)	Mean Weight (lb)
2023	895,304	32	30,588	31	467	49	34.65	29.27
2022	1,450,166	29	38,924	26	6,890	81	38.40	37.26
2021	1,365,679	22	49,158	21	3,509	82	34.39	27.78
2020	2,429,665	18	83,766	18	32,574	84	35.10	29.01
2019	1,190,484	20	44,864	20	2,333	53	33.88	26.54
2018	1,977,741	27	61,171	31	3,739	46	36.23	32.33
2017	4,040,504	20	118,659	22	17,812	29	37.67	34.05
2016	3,164,911	24	80,458	23	28,643	64	39.33	39.34
2015	1,079,798	24	38,199	25	2,196	44	34.99	28.27
2014	1,392,966	25	44,151	25	7,460	37	36.53	31.55

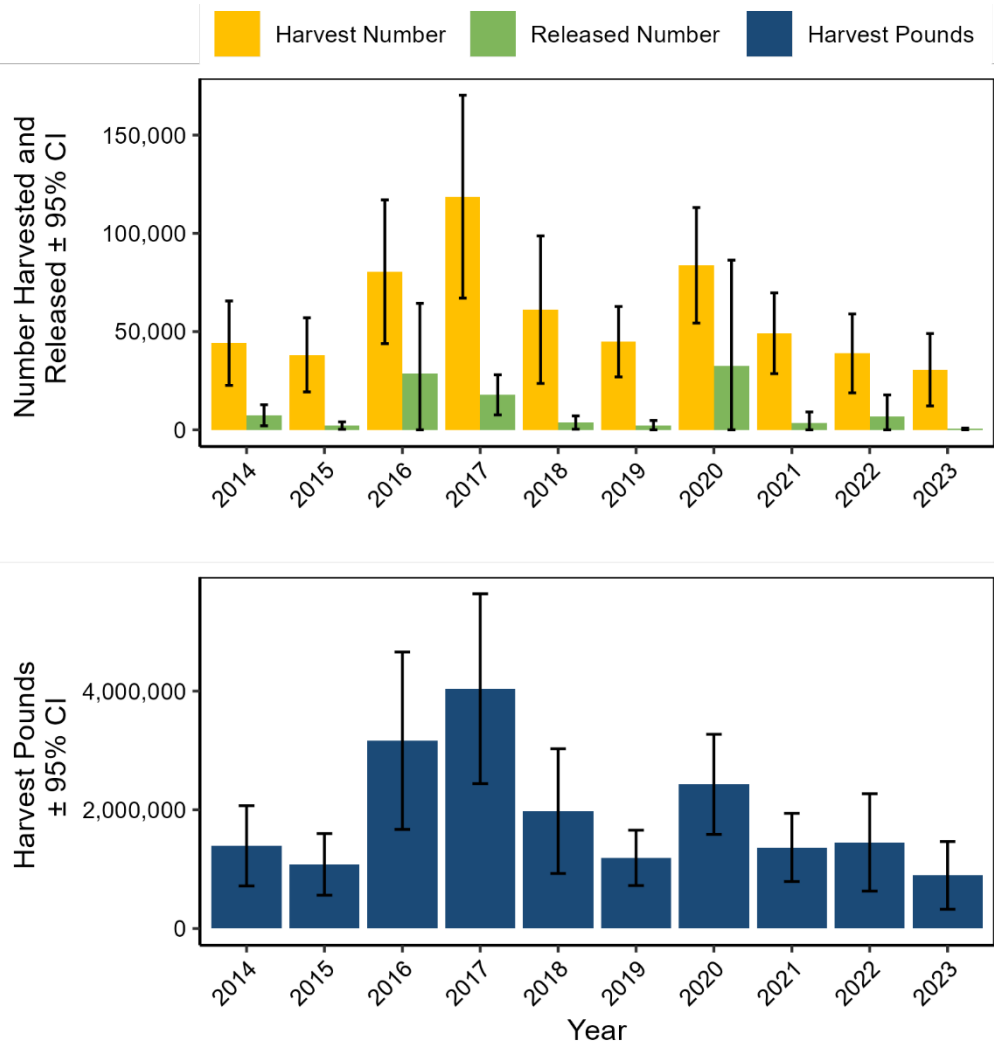


Figure III. 61 Tuna, Yellowfin recreational catch in North Carolina by year.

Table III.67 Tuna, Yellowfin recreational catch by state, 2023.

State	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number	PSE (release)	Mean Length (inches)	Mean Weight (lb)
Connecticut	112,413	39	3,305	40	0	-	37.86	34.01
East Florida	195,944	100	8,966	100	0	-	29.66	21.85
Maryland	637,432	50	16,588	50	13,416	107	39.17	38.43
Massachusetts	214,810	98	5,550	97	3,663	98	39.74	38.70
New Jersey	625,368	44	27,235	45	58	100	30.21	22.96
New York	2,122,854	54	55,765	52	5,352	98	39.06	38.07
North Carolina	895,304	32	30,588	31	467	49	34.65	29.27
Rhode Island	514,516	33	13,148	31	725	56	39.88	39.13
Virginia	981,128	91	24,076	91	0	-	40.05	40.75

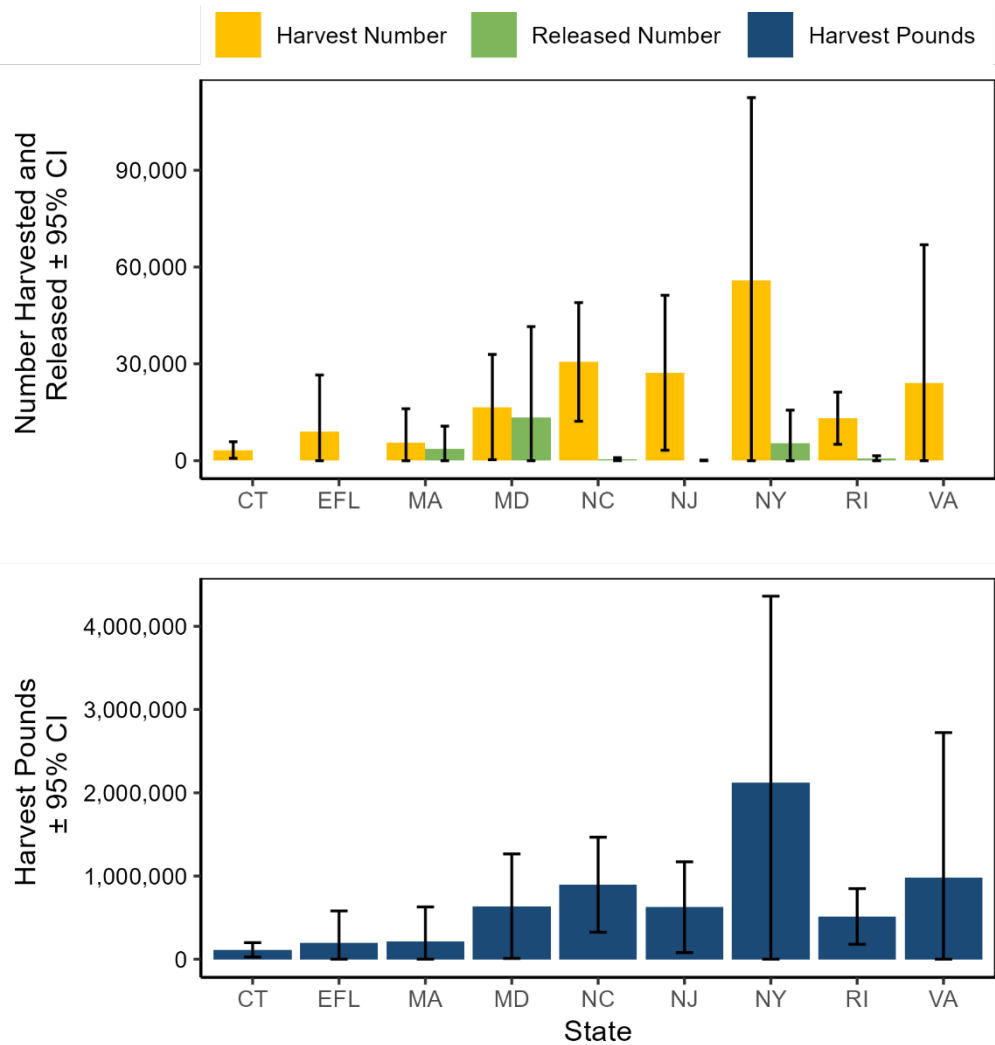


Figure III.62 Tuna, Yellowfin recreational catch by state, 2023.

Table III.68 Tunny, Little (False Albacore) recreational catch in North Carolina by year.

Year	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number	PSE (release)	Mean Length (inches)	Mean Weight (lb)
2023	168,654	20	31,443	22	25,405	38	21.10	5.36
2022	234,922	25	38,772	27	127,255	41	21.96	6.06
2021	118,784	17	17,096	16	52,788	23	22.90	6.95
2020	594,794	31	92,899	32	171,564	21	22.38	6.40
2019	185,094	24	27,360	23	80,205	28	22.29	6.77
2018	315,758	35	47,892	30	110,716	34	21.82	6.59
2017	334,363	37	39,213	36	119,648	21	23.98	8.53
2016	337,842	25	41,076	24	145,700	33	23.65	8.22
2015	207,889	46	22,855	38	87,239	29	24.26	9.10
2014	189,270	36	27,469	43	273,165	38	22.17	6.89

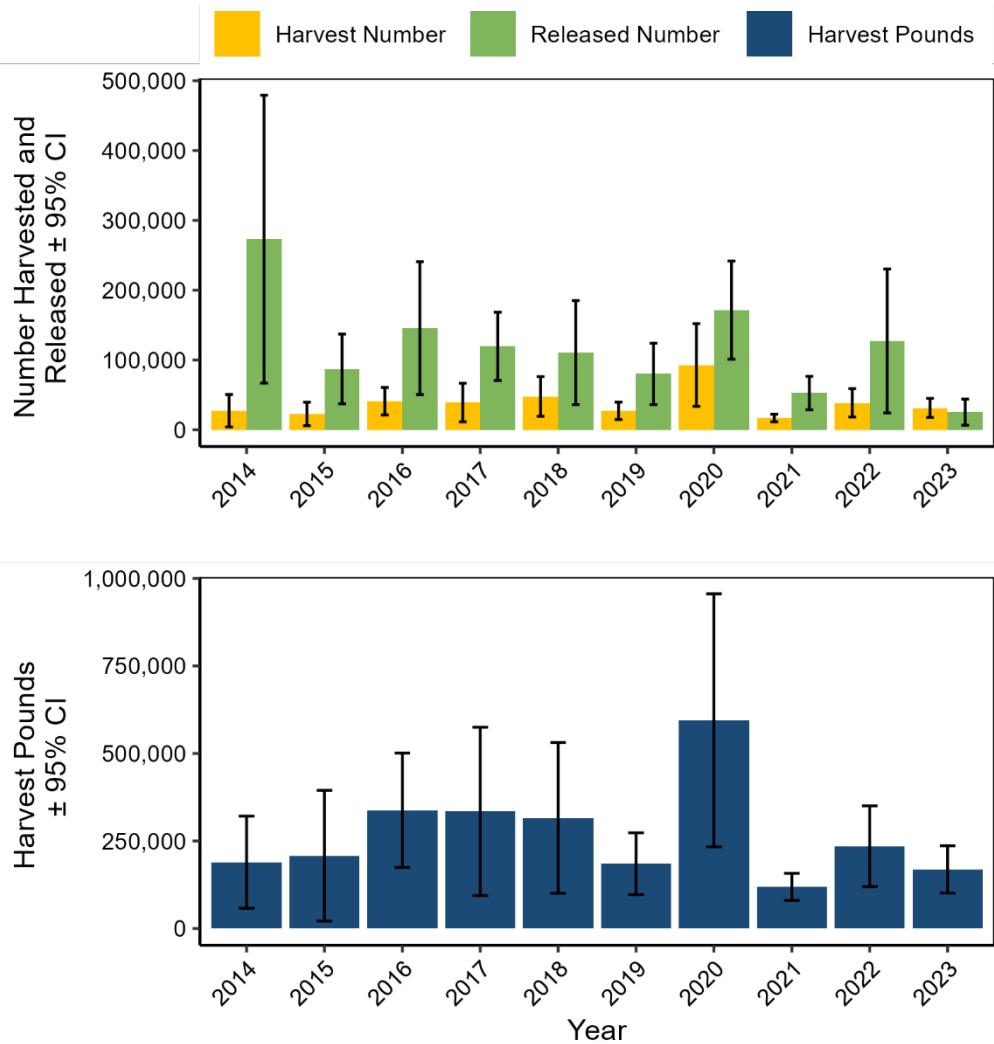


Figure III. 63 Tunny, Little (False Albacore) recreational catch in North Carolina by year.

Table III.69 Tunny, Little (False Albacore) recreational catch by state, 2023.

State	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number	PSE (release)	Mean Length (inches)	Mean Weight (lb)
Connecticut	11,205	66	1,717	65	199,754	44	23.37	6.53
Delaware	511	26	445	26	199	91	12.57	1.15
East Florida	3,987,996	18	512,500	16	429,676	20	23.94	7.78
Georgia	1,416	84	85	73	0	-	29.67	16.61
Maryland	0	-	0	-	2,507	63	-	-
Massachusetts	46,967	72	7,148	71	225,714	25	22.85	6.57
New Jersey	3,314	88	576	89	71,943	62	20.99	5.75
New York	5,058	91	879	87	23,941	44	21.92	5.75
North Carolina	168,654	20	31,443	22	25,405	38	21.1	5.36
Rhode Island	73,851	52	12,040	52	55,981	30	22.72	6.13
South Carolina	34,704	74	6,583	69	2,887	79	21.17	5.27

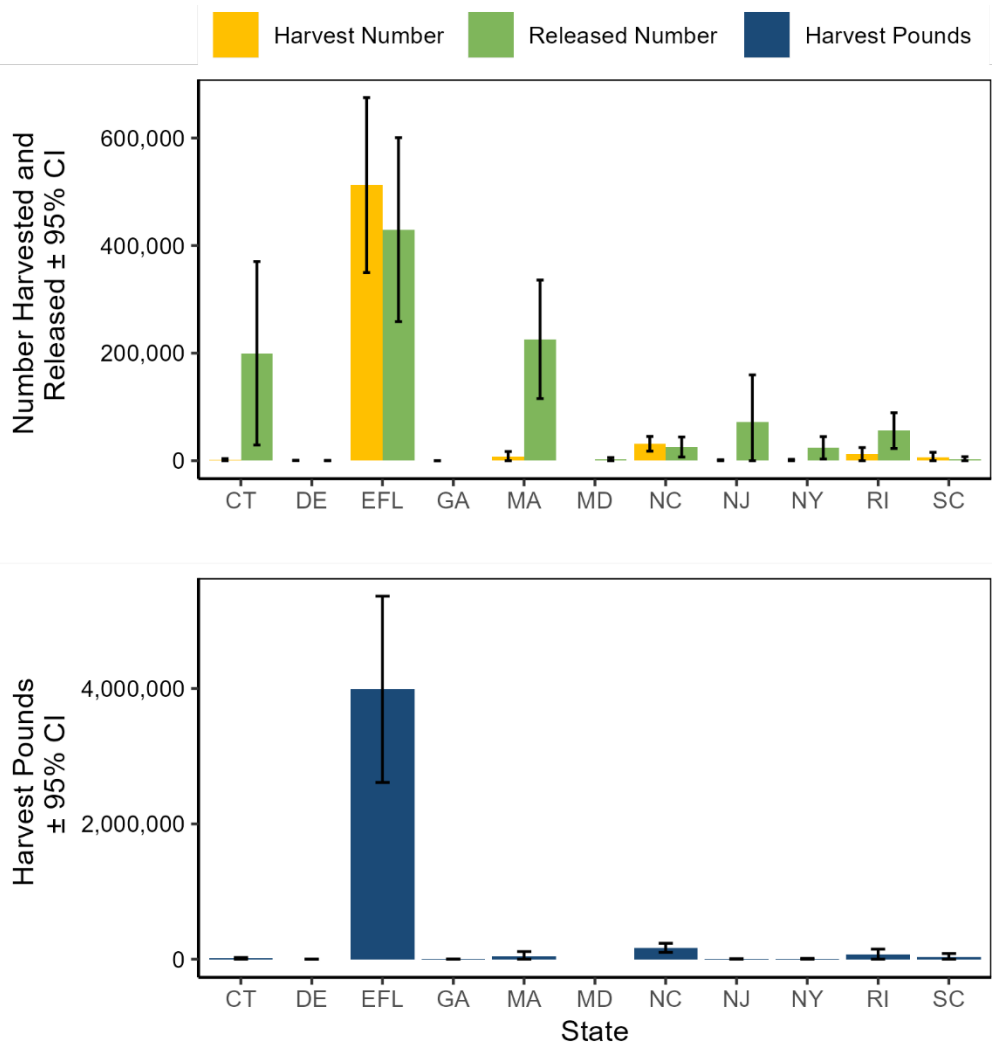


Figure III.64 Tunny, Little (False Albacore) recreational catch by state, 2023.

Table III.70 Wahoo recreational catch in North Carolina by year.

Year	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number	PSE (release)	Mean Length (inches)	Mean Weight (lb)
2023	379,586	24	20,434	27	148	105	43.34	18.58
2022	232,436	27	9,657	27	0	-	47.35	24.07
2021	244,048	29	9,760	32	0	-	46.01	25.01
2020	462,937	20	19,055	23	87	99	46.85	24.30
2019	454,391	17	17,098	18	23	100	47.14	26.58
2018	280,644	25	10,690	26	182	94	47.70	26.25
2017	842,604	31	30,305	29	0	-	48.77	27.80
2016	1,056,969	23	39,565	22	5	110	48.06	26.71
2015	983,232	23	36,920	25	608	101	47.91	26.63
2014	804,473	28	29,362	27	22	103	48.24	27.40

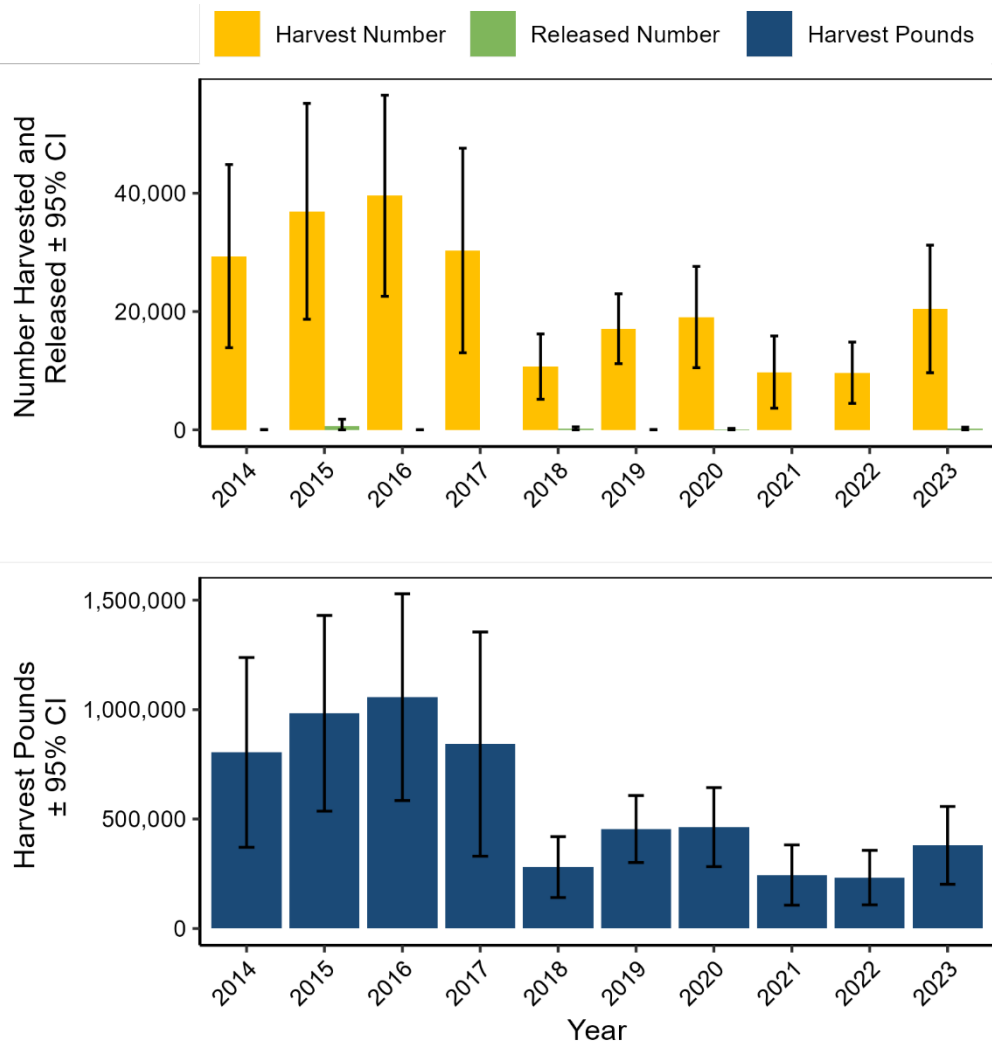


Figure III.65 Wahoo recreational catch in North Carolina by year.

Table III.71 Wahoo recreational catch by state, 2023.

State	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number	PSE (release)	Mean Length (inches)	Mean Weight (lb)
Delaware	0	-	0	-	17	91	-	-
East Florida	929,182	37	54,530	33	3,048	71	41.45	17.04
Maryland	27,433	73	943	69	0	-	48.86	29.1
North Carolina	379,586	24	20,434	27	148	105	43.34	18.58
South Carolina	351,015	64	16,242	64	0	-	45.02	21.61

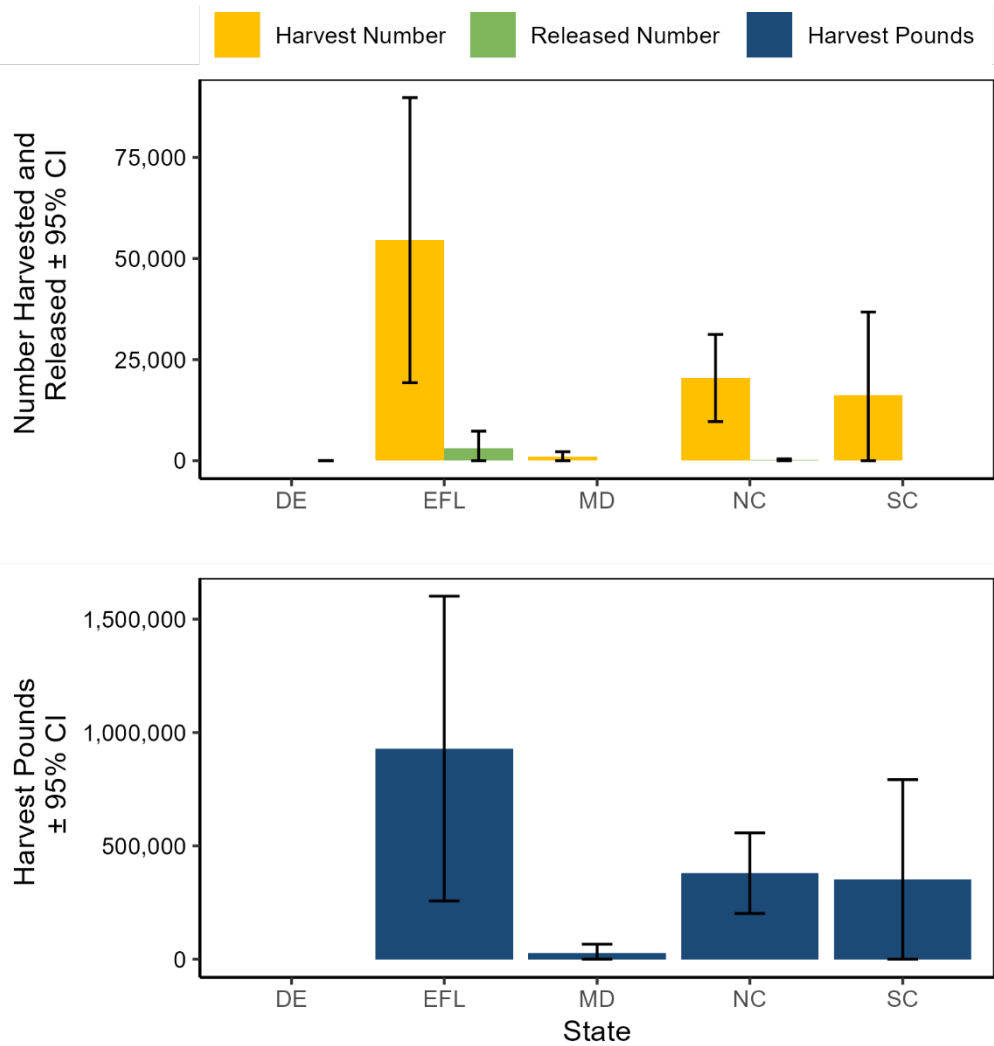


Figure III.66 Wahoo recreational catch by state, 2023.

Table III.72 Weakfish recreational catch in North Carolina by year.

Year	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number	PSE (release)	Mean Length (inches)	Mean Weight (lb)
2023	89,115	21	75,329	22	833,559	31	14.57	1.18
2022	105,060	20	112,095	22	1,921,985	43	13.33	0.94
2021	103,449	20	91,032	19	1,028,640	25	14.08	1.14
2020	105,729	35	82,124	32	342,015	24	15.03	1.29
2019	43,252	22	39,061	21	244,643	23	14.48	1.11
2018	29,924	40	30,935	40	299,496	52	13.40	0.97
2017	55,944	26	51,795	24	351,433	27	14.18	1.08
2016	83,702	26	77,341	26	1,091,422	27	13.99	1.08
2015	157,269	26	143,543	27	1,608,036	31	14.05	1.10
2014	70,988	24	71,912	25	1,067,230	31	13.83	0.99

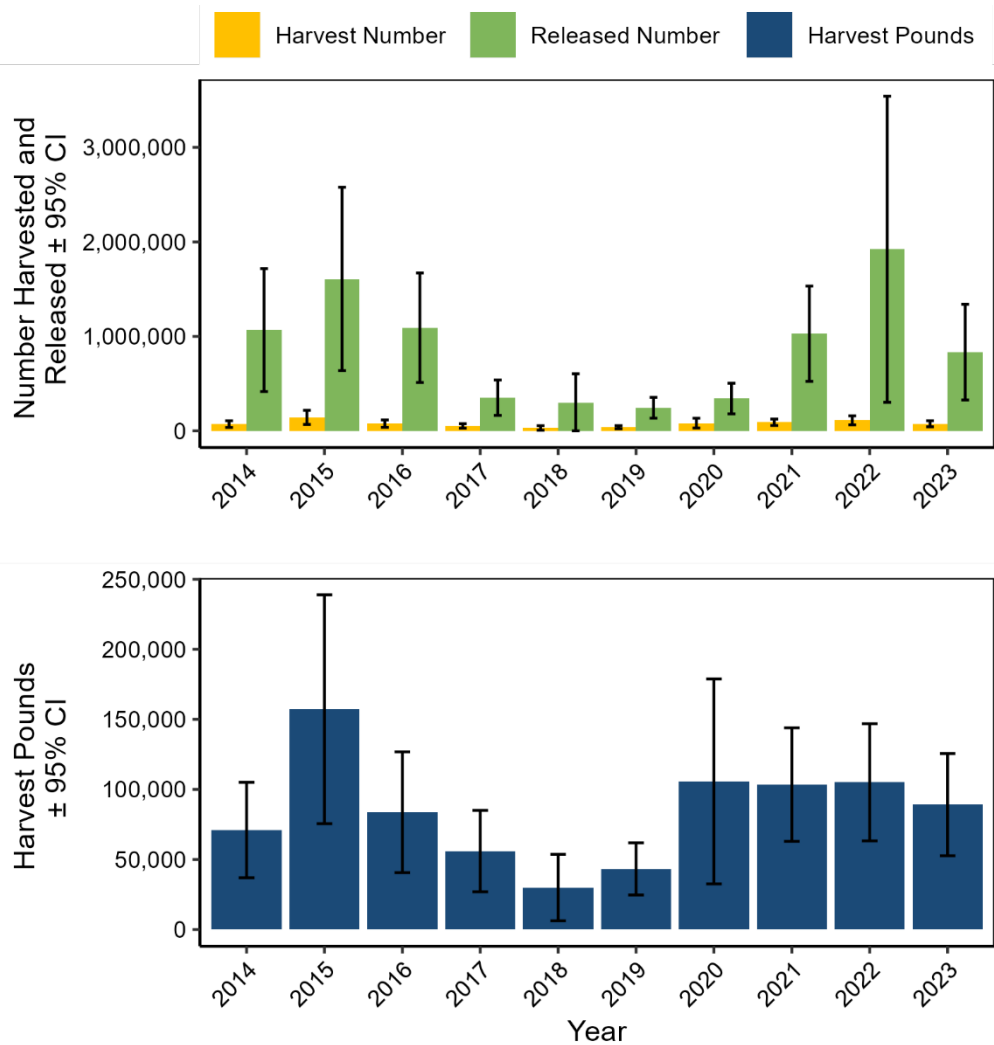


Figure III.67 Weakfish recreational catch in North Carolina by year.

Table III.73 Weakfish recreational catch by state, 2023.

State	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number	PSE (release)	Mean Length (inches)	Mean Weight (lb)
Connecticut	1,851	68	3,624	92	14,122	94	10.19	0.51
Delaware	18,812	47	9,342	38	123,276	30	17.05	2.01
East Florida	87,368	57	114,377	59	71,268	79	12.71	0.76
Georgia	10,455	72	8,403	72	63,818	52	14.82	1.24
Maryland	29,493	67	21,455	80	31,359	82	13.23	1.37
Massachusetts	79	104	40	104	640	97	17.95	1.96
New Jersey	27,038	54	9,707	41	522,443	46	18.69	2.79
New York	122,696	33	32,346	30	244,415	45	21.88	3.79
North Carolina	89,115	21	75,329	22	833,559	31	14.57	1.18
Rhode Island	30,964	54	9,951	48	13,328	41	20.16	3.11
South Carolina	215,795	32	176,118	30	678,493	33	14.85	1.23
Virginia	12,598	49	7,926	47	271,814	38	15.88	1.59

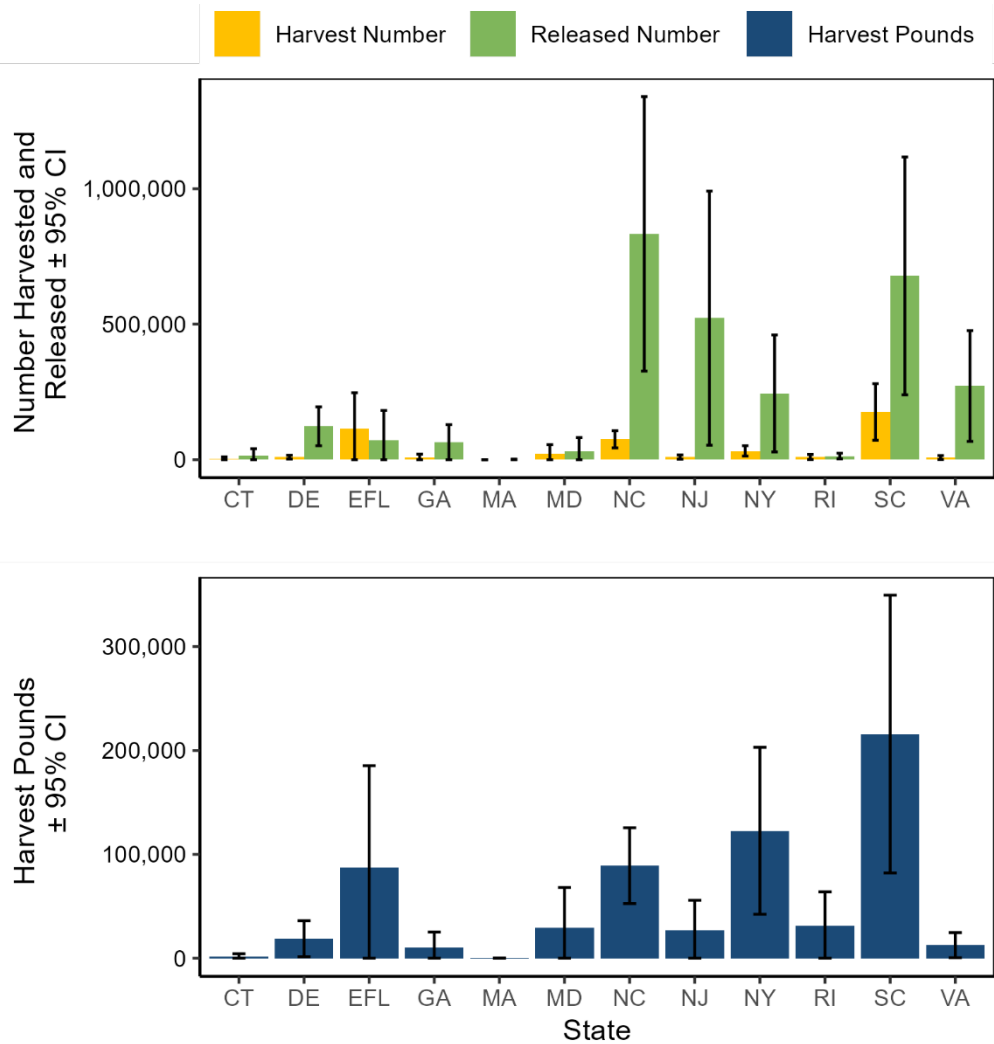


Figure III.68 Weakfish recreational catch by state, 2023.

Table III.74 Large coastal shark recreational catch in North Carolina by year.

Year	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number	PSE (release)	Mean Length (inches) ¹	Mean Weight (lb) ¹
2023	62	97	19	97	46,662	40	-	-
2022	0	-	0	-	18,735	77	-	-
2021	594	89	6	89	22,142	89	-	-
2020	551	96	26	69	8,591	30	-	-
2019	3,745	65	60	65	30,032	39	-	-
2018	235	94	39	78	4,916	52	-	-
2017	27,367	79	910	76	43,041	39	-	-
2016	1,100	95	12	95	27,885	64	-	-
2015	2,667	102	25	72	139,486	86	-	-
2014	10,194	94	556	92	20,639	26	-	-

¹ Multiple species of sharks are reported for this category, mean length and weight by individual species of shark are available upon request.

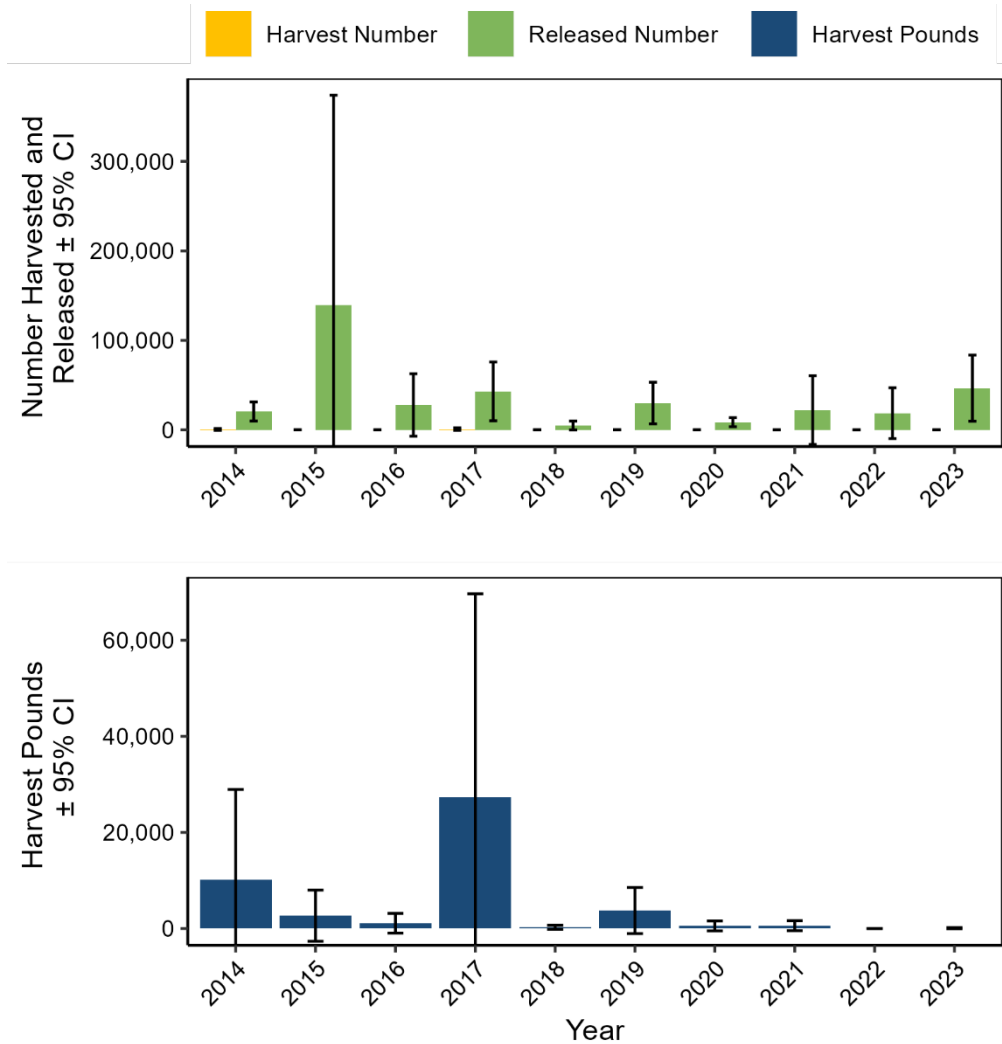


Figure III.69 Large coastal shark recreational catch in North Carolina by year.

Table III.75 Large coastal shark recreational catch by state, 2023.

State	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number	PSE (release)	Mean Length (inches) ¹	Mean Weight (lb) ¹
Delaware	0	-	0	-	12,623	24	-	-
East Florida	81,775	86	4,234	94	208,653	5	-	-
Georgia	0	-	0	-	154,209	27	-	-
Maryland	0	-	0	-	151,389	0	-	-
Massachusetts	0	-	0	-	855	0	-	-
New Jersey	0	-	0	-	55,367	13	-	-
New York	0	-	0	-	20,343	73	-	-
North Carolina	62	0	19	0	46,662	0	-	-
Rhode Island	0	-	171	100	2,249	12	-	-
South Carolina	0	-	0	-	3,745	0	-	-
Virginia	0	-	0	-	10,420	0	-	-

¹ Multiple species of sharks are reported for this category, mean length and weight by individual species of shark are available upon request.

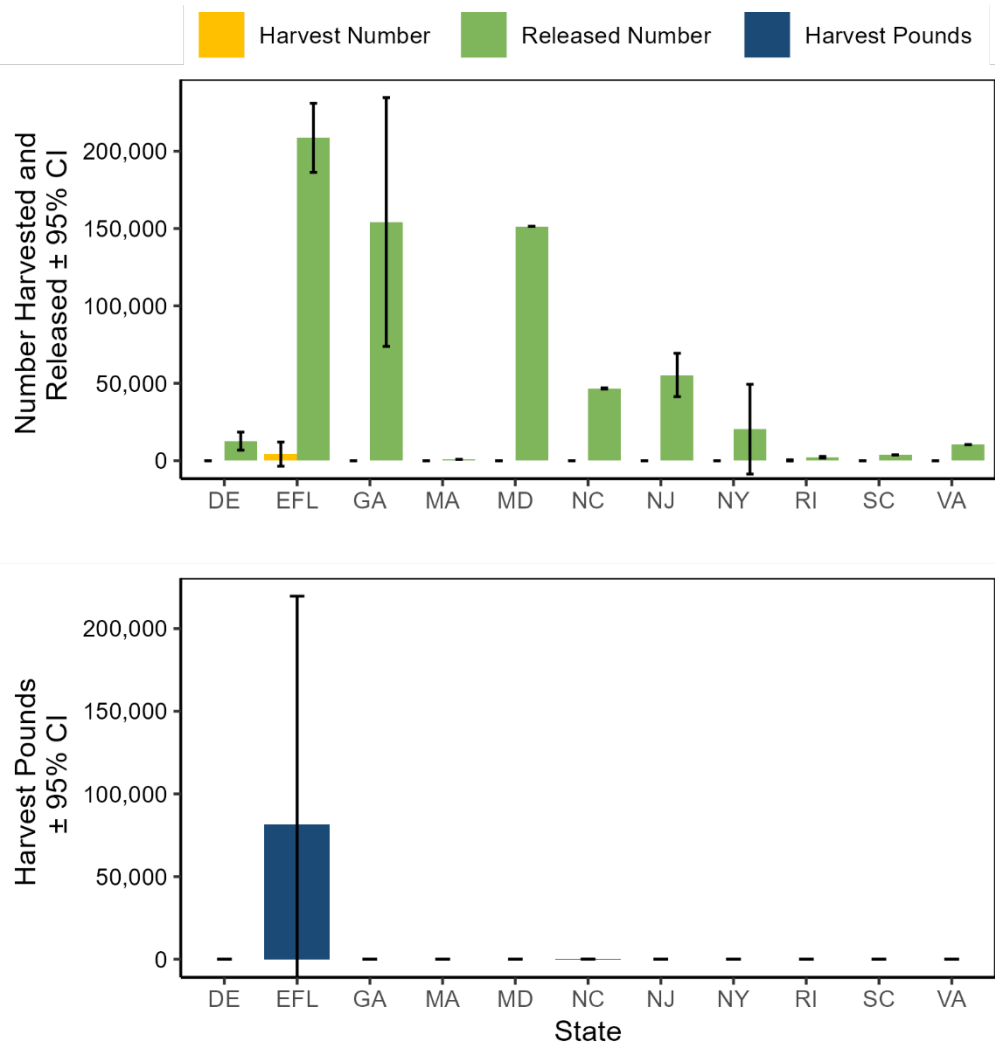


Figure III.70 Large coastal shark recreational catch by state, 2023.

Table III.76 Small coastal shark recreational catch in North Carolina by year.

Year	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number	PSE (release)	Mean Length (inches) ¹	Mean Weight (lb) ¹
2023	25,172	47	3,771	43	65,203	29	-	-
2022	16,909	46	1,698	43	30,202	31	-	-
2021	24,241	51	3,556	55	21,045	42	-	-
2020	21,114	52	5,074	67	16,563	46	-	-
2019	106,765	74	13,736	68	34,952	30	-	-
2018	9,097	37	1,678	34	4,496	47	-	-
2017	19,256	37	5,768	55	58,440	68	-	-
2016	2,545	60	514	64	133,214	57	-	-
2015	38,499	41	6,656	38	15,866	67	-	-
2014	24,060	38	7,420	52	2,043	53	-	-

¹ Multiple species of sharks are reported for this category, mean length and weight by individual species of shark are available upon request.

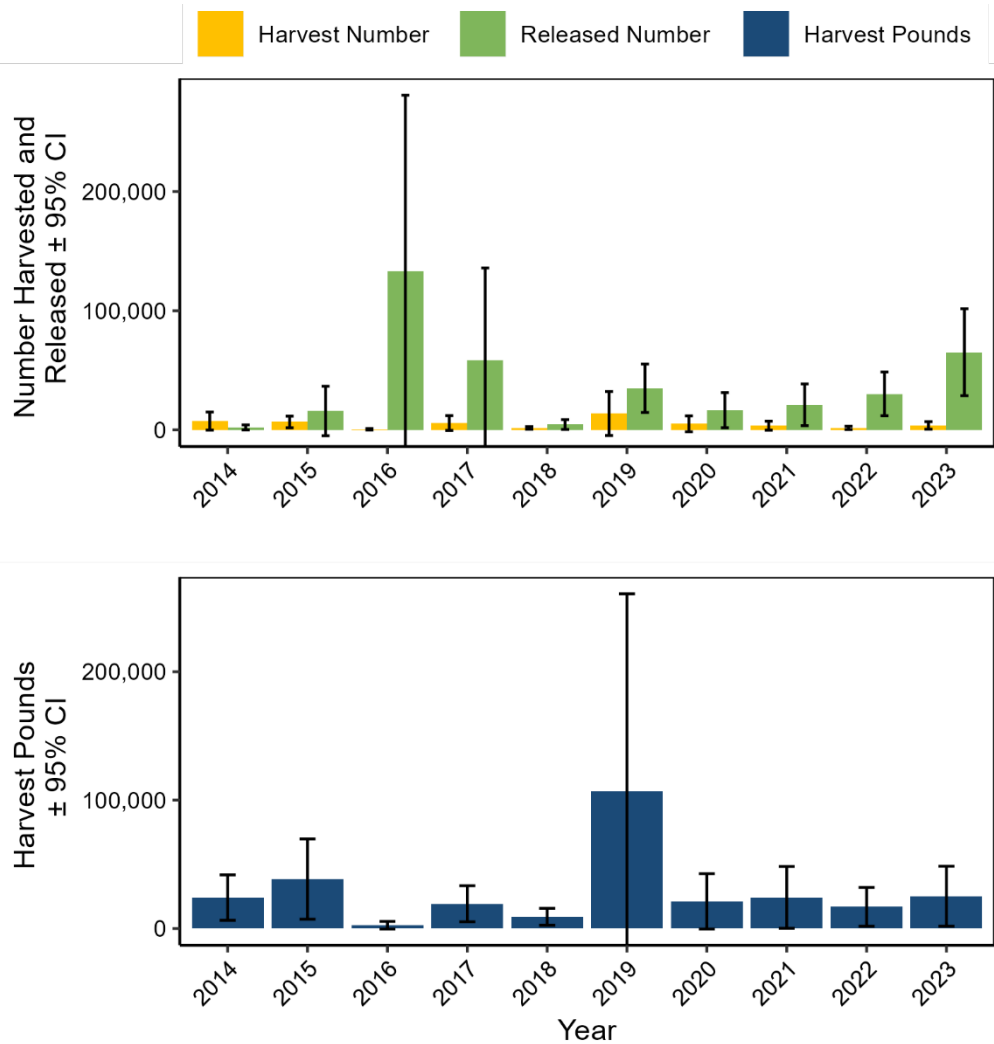


Figure III.71 Small coastal shark recreational catch in North Carolina by year.

Table III.77 Small coastal shark recreational catch by state, 2023.

State	Harvest Pounds	PSE (lb)	Harvest Number	PSE (num)	Release Number	PSE (release)	Mean Length (inches) ¹	Mean Weight (lb) ¹
Delaware	0	-	0	-	11	0	-	-
East Florida	267,962	7	40,841	8	476,823	7	-	-
Georgia	170,249	15	19,043	15	489,006	24	-	-
Maryland	0	-	0	-	1,966	0	-	-
North Carolina	25,172	45	3,771	40	65,203	14	-	-
South Carolina	86,020	8	10,769	9	62,604	2	-	-
Virginia	0	-	0	-	1,069	0	-	-

¹ Multiple species of sharks are reported for this category, mean length and weight by individual species of shark are available upon request.

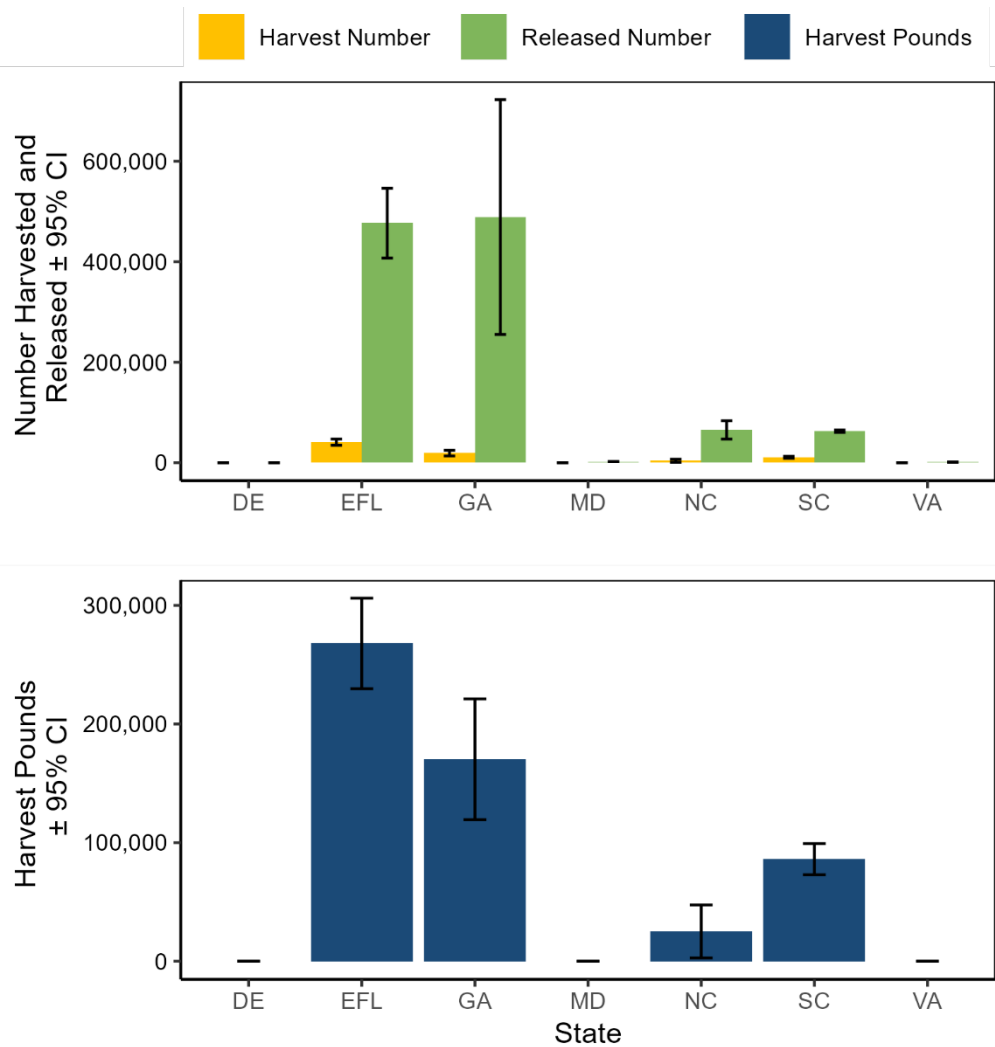


Figure III.72 Small coastal shark recreational catch by state, 2023

Table III.78 Reported North Carolina highly migratory species landings (numbers).

Year	Blue Marlin	White Marlin	Sailfish	Swordfish	Total
2023	30	0	4	14	48
2022	27	0	4	25	56
2021	32	1	1	17	51
2020	21	1	5	12	39
2019	28	3	8	66	105
2018	28	1	9	10	48
2017	16	3	3	5	27
2016	23	0	4	5	32
2015	23	2	0	0	25
2014	15	0	0	0	15
Grand Total	243	11	38	154	446

Table III.79 Reported North Carolina recreational Atlantic Bluefin Tuna landings¹ (numbers).

Year	Manteo/Oregon Inlet	Hatteras	Ocracoke	Morehead City	Wilmington South	Call-In	Total
2023	56	46	0	2	0	2	106
2022	15	1	0	0	18	1	35
2021	19	5	-	3	-	5	32
2020	12	2	0	0	0	3	17
2019	50	0	0	0	0	19	69
2018	32	0	0	0	0	1	33
2017	37	2	0	0	0	-	39
2016	62	10	0	0	0	2	74
2015	28	13	0	0	0	3	44
2014	62	3	0	2	0	2	69

¹ Does not include trophy category.

Table III.80 Atlantic Coast saltwater fishing trips by state and mode, 2023.

State	Charter Boat	Heatboat	Private/Rental Boat	Shore	Total
Connecticut	23,757	16,568	1,628,954	1,945,167	3,614,446
Delaware	4,927	7,827	608,874	1,741,790	2,363,417
East Florida	267,588	-	13,729,009	28,992,734	42,989,330
Georgia	28,172	-	1,671,167	3,363,329	5,062,668
Maine	17,679	8,633	680,020	1,669,809	2,376,141
Maryland	156,961	24,545	2,970,057	4,711,299	7,862,861
Massachusetts	96,035	67,888	2,718,851	3,761,649	6,644,423
New Hampshire	10,943	35,871	334,051	400,649	781,514
New Jersey	54,012	95,969	5,814,727	8,571,083	14,535,792
New York	18,042	193,846	5,481,771	7,300,892	12,994,551
North Carolina	355,612	-	4,166,632	11,273,505	15,795,750
Rhode Island	21,049	18,178	1,411,051	1,675,406	3,125,684
South Carolina	119,804	-	3,232,232	7,315,157	10,667,193
Virginia	34,074	18,974	2,900,661	5,372,610	8,326,320

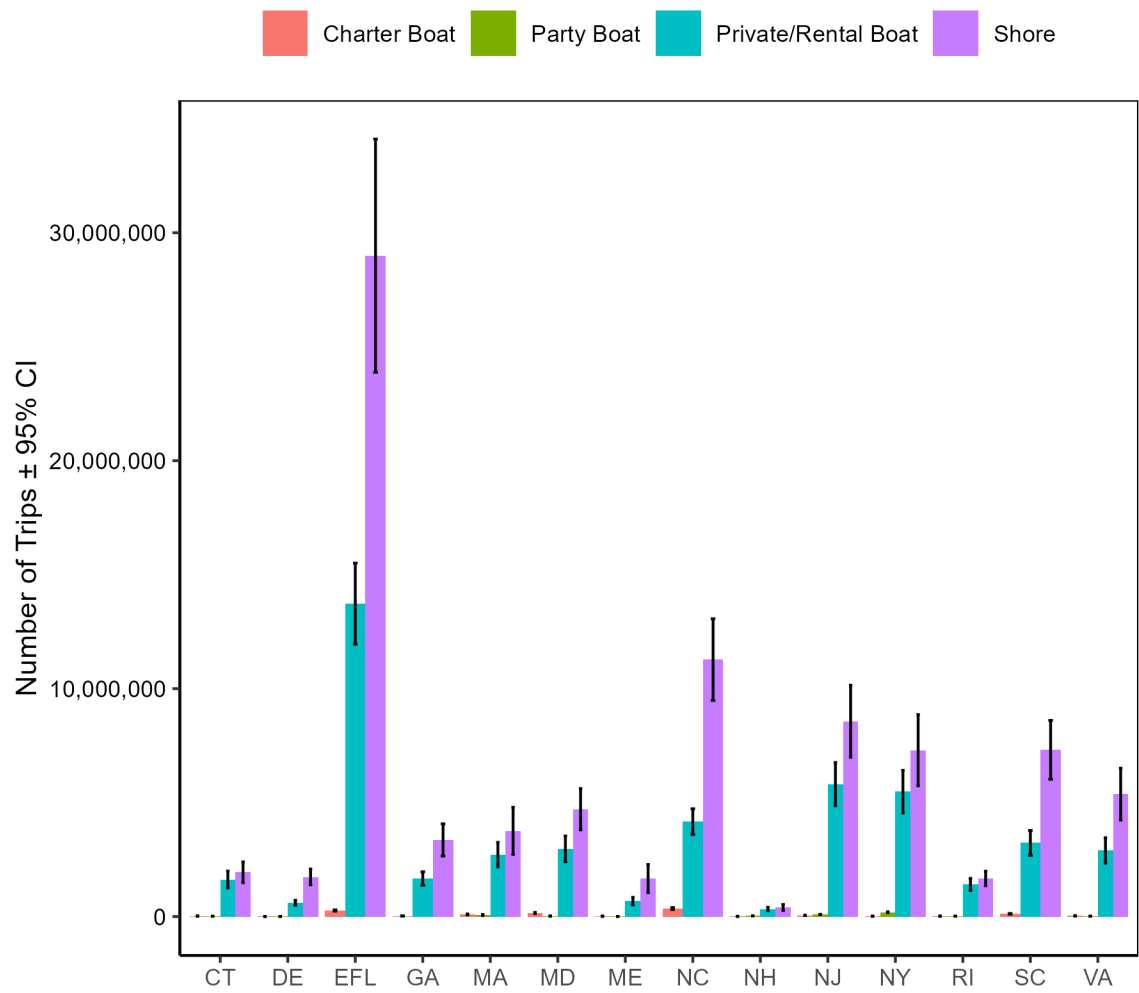


Figure III.73 Atlantic Coast saltwater fishing trips by state and mode, 2023.

Appendix III.1 NCDMF highly migratory species reporting stations.

Reporting Station	Location	Phone
Anchorage Marina	Atlantic Beach	252-726-4423
Captain Stacy's Fishing Center	Atlantic Beach	252-726-4675
Chasin Tails Outdoors Bait & Tackle	Atlantic Beach	252-240-3474
Seawater Marina	Atlantic Beach	252-726-1637
Olde Towne Yacht Club	Beaufort	252-726-3066
Town Creek Marina	Beaufort	252-728-6111
Hurricane Fishing Center	Calabash	910-579-3660
Harker's Island Fishing Center	Harker's Island	252-728-3907
Hatteras Harbor Marina	Hatteras	252-986-2166
Oden's Dock	Hatteras	252-986-2555
Teach's Lair Marina	Hatteras	252-986-2460
Holden Beach Marina	Holden Beach	910-842-5447
Oregon Inlet Fishing Center	Manteo	252-441-6301
Pirates Cove	Manteo	252-473-3906
Shallowbag Bay Marina	Manteo	252-305-8726
EJW Outdoors	Morehead City	252-247-4725
Carolina Princess	Morehead City	252-726-5479
Portside Marina	Morehead City	252-726-7678
Ocean Isle Fishing Center	Ocean Isle	910-575-3474
Anchorage Marina	Ocracoke	252-928-6661
New River Marina	Sneads Ferry	910-327-2106
Southport Marina	Southport	910-457-9900
Outer Banks Marina	Wanchese	252-473-9991
Creekside Yacht Club	Wilmington	910-350-0023
Bridge Tender Marina	Wrightsville Beach	910-256-6550
DMF HMS Technician	Mobile	252-495-1803
DMF Call-in	Main Office	800-682-2632

Appendix III.2 North Carolina APAIS Intercept Form.

2019 APAIS - North Carolina Intercept Form
OMB NO. 0648-0659
EXPIRES 03-31-2019

FOR EMERGENCY USE ONLY

1. FORM

2. ASSIGNMENT NO.

3. INTERVIEWER ID

4. DATE: MM/DD

5. INTERCEPT NO.

6. INTERVIEW TIME *Time this interview was completed*

7. STATE CODE

8. COUNTY CODE

9. SITE CODE

10. INTERVIEW STATUS (Key Item = *)

1 Questionnaire Complete

2 Refused Non-Key Item

5 Refused Key Item

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

***11. Would you say you were fishing from ...**

SHORE

0 Pier

1 Dock

2 Jetty, Breakwater

3 Bridge, Causeway

4 Other Man-made Structure (Specify)

5 Beach or Bank (Additional hours required in Q16)

BOAT

6 Headboat

7 Charterboat

8 Private Boat

9 Rental Boat

11a. Did you see any sea turtles while fishing today?

1 Yes, alive

2 Yes, dead

3 No

***12. Was most of your (specify mode) fishing effort today in the ...**

1 Atlantic Ocean

Other (enter DMF waterbody code and code Q13 as "8").

***13. Was that ...**

1 Three Miles or Less From Shore

2 More Than Three Miles

8 Waterbody Does Not Apply

13a. Were you fishing near an Artificial Reef?

01 No

88 SH

If yes, enter reef code 98=unknown

13b. What was the length of the boat used (in feet)? Boat length

14. What type of gear was primarily used? (Select one only)

01 Hook and Line

02 Dip Net, A-frame

03 Cast Net

04 Gill Net

05 Seine

06 Trawl

07 Trap

08 Spear

09 Hand

10 Other (Specify) _____

98 Unknown

99 Refused

15a. To the nearest half-hour, how many hours have you spent (specify mode) fishing today? That is, how many hours have you actually spent with your gear in the water?

No. of Hours

Codes: If, "Don't Know" = 99.8 If, Refused = 99.9

15b. [If on boat] To the nearest half-hour, how many hours have you spent on the boat, away from the dock, today?

No. of Hours

Codes: If, "Don't Know" = 99.8 If, Refused = 99.9

Not Applicable - SH mode

16. [Ask, only if "Beach" or "Bank"] How many additional hours do you expect to fish from shore today? That is, how many more hours will you actually have your gear in the water?

No. of Hours

Codes: If, "Don't Know" = 99.8 If, Refused = 99.9

Not fishing from Beach or Bank

17. What species were you primarily fishing for today?

No Particular Species/Anything

1st Target

2nd Target

18. Not counting today, within the past 12 months, that is since (insert month) of last year, how many days have you gone saltwater sport finishing in this state or from a boat launched in this state?

No. of days

998 Don't Know

999 Refused

19. Not counting today, within the past 2 months, how many days?

No. of days

98 Don't Know

99 Refused

***20. What is your state and county of residence? If county unknown, ask: What city or town do you live in?**

State Code; Name: _____

County Code; Name: _____

21. What is the ZIP code of your residence?

99997 Foreign Country

99998 Don't Know

99999 Refused

23a. Gender

Male

Female

23b. How old were you on your last birthday?

Age

Refused

Note: NCDMF stopped using paper surveys and transitioned to electronic methods in 2019.

Appendix III.2 North Carolina MRIP Intercept Form (continued).

24. In the event that my supervisor wishes to verify that I have been conducting interviews here today, may I please have your name and phone number?

Angler Name

Phone Day or Night

(If name and/or phone number not given, Q10 = Status 2)
 Name and/or phone number not given
 Angler aged 16 years or younger (Check both boxes)

BOX B. [If headboat ride-along:] Is this one of the anglers you monitored for discard (Type 9) catch? Yes No Not a HB ride

*25. **UNAVAILABLE CATCH** Did you catch any fish that are not here for me to look at? For example, any that you may have thrown back or used for bait? **NOT GROUP CATCH** - Only catch from Angler being interviewed.

Disposition Codes for Q25			
1 - Thrown back alive	3 - Eaten/plan to eat	5 - Sold/plan to sell	7 - Some other purpose
2 - Thrown back - not legal	4 - Used/plan to use for bait	6 - Thrown back dead/plan to throw away	

TYPE 2 RECORDS: (CATCH UNAVAILABLE IN WHOLE FORM; FILLETS ARE UNAVAILABLE CATCH.)

Species Name	Species Code	# of Fish	Disp.
1.			
2.			
3.			
4.			
5.			

*26. Did you catch any fish while you were fishing that I might be able to look at?

1 Yes
 2 No - Code Q27, Q28, Q29 as "Not Applicable"
 3 Yes, BUT fish on another angler's form - Record interview # where fish are listed

Code Q27, Q28, Q29 as "Not Applicable"

*29. How many anglers including yourself have their catch here? Please do not include anyone who did not catch fish. Only count those who have their catch here.

No. of Contributors 88 Not Applicable

BOX C. If Q11 is SH mode, code Q30 as "888," and Code Box D as "8."

*27. Did you catch these yourself or did someone else catch some of them?

1 All Caught by Angler - Code Q28, Q29 as "Not Applicable"
 2 Other Contributors 8 Not Applicable

*30. How many people fished on your boat today?

No. of People 888 Shore Mode

*28. Can you separate out your individual catch?

1 Yes - Code 29 as "Not Applicable"
 2 No 8 Not Applicable

*BOX D. If response to Q30 is 001, code as "Not Applicable." Otherwise, is this the first angler from this boat that I have interviewed?

1 Yes 8 Not Applicable
 2 No - Record interview # of 1st angler in the fishing party.

*BOX E: Is this charter/headboat on the Good List? Yes No Vessel name or registration: _____
 Check box if vessel has no name AND no registration number. If checked, Q10 (Status) = 5.

*31. **AVAILABLE CATCH** - ASK: May I look at your fish? What do you plan to do with the MAJORITY of the (species)?

Disposition Codes for Q31		NOTES/COMMENTS:
5 - Sold/plan to sell	6 - Plan to throw away	
3 - Eaten/plan to eat	7 - Some other purpose	
4 - Used/plan to use for bait		

TYPE 3 RECORDS: (INDIVIDUAL CATCH AVAILABLE IN WHOLE FORM)

Species Name	Species Code	# of Fish	Length (mm)	Weight (kg)	Disp.
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					

Note: NCDMF stopped using paper surveys and transitioned to electronic methods in 2019.

Appendix III.3 North Carolina Fishing Effort Survey.

HOUSEHOLD MEMBER 4

11 What is this person's gender?
 Male
 Female

12 How old is this person?
If less than 1 year, mark 0 years
 Age in years

13 Is this person of Hispanic, Latino, or Spanish origin?
 Yes, of Hispanic origin
 No, not of Hispanic origin

14 What is this person's race? Mark one or more boxes.
 White
 Black, African-American
 Asian
 American Indian or Alaska Native
 Native Hawaiian or other Pacific Islander

Please think only about recreational saltwater fishing in North Carolina.

15 How many days did this person go recreational saltwater fishing from the SHORE in North Carolina?
The shore includes docks, bridges, causeways, beaches, banks, or any other shore-based place or area. Do not include freshwater fishing.
 Did not recreational saltwater fish from shore in last 12 months → **Go to question 16**
 Number of days saltwater shore fishing in January and February of 2018
 Number of days saltwater shore fishing in last 12 months, including January and February

16 How many days did this person go recreational saltwater fishing from a private or rental BOAT that returned to shore in North Carolina?
Do not include freshwater trips or trips where a paid captain or crew helped locate and catch fish.
 Did not recreational saltwater fish from private boat in last 12 months
 Number of days saltwater boat fishing in January and February of 2018
 Number of days saltwater boat fishing in last 12 months, including January and February

If you have more people in your household, continue to Household Member 5. If you have answered for all people in your household, please return your survey.

HOUSEHOLD MEMBER 5

11 What is this person's gender?
 Male
 Female

12 How old is this person?
If less than 1 year, mark 0 years
 Age in years

13 Is this person of Hispanic, Latino, or Spanish origin?
 Yes, of Hispanic origin
 No, not of Hispanic origin

14 What is this person's race? Mark one or more boxes.
 White
 Black, African-American
 Asian
 American Indian or Alaska Native
 Native Hawaiian or other Pacific Islander

Please think only about recreational saltwater fishing in North Carolina.

15 How many days did this person go recreational saltwater fishing from the SHORE in North Carolina?
The shore includes docks, bridges, causeways, beaches, banks, or any other shore-based place or area. Do not include freshwater fishing.
 Did not recreational saltwater fish from shore in last 12 months → **Go to question 16**
 Number of days saltwater shore fishing in January and February of 2018
 Number of days saltwater shore fishing in last 12 months, including January and February

16 How many days did this person go recreational saltwater fishing from a private or rental BOAT that returned to shore in North Carolina?
Do not include freshwater trips or trips where a paid captain or crew helped locate and catch fish.
 Did not recreational saltwater fish from private boat in last 12 months
 Number of days saltwater boat fishing in January and February of 2018
 Number of days saltwater boat fishing in last 12 months, including January and February

Please return your survey in the enclosed postage-paid envelope.
 RTI International
 5265 Capital Boulevard, Raleigh NC 27690-1652

North Carolina

Weather and Outdoor Activity Survey



Public reporting burden for this collection of information is estimated to average 10 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other suggestions for reducing this burden to Rob Andrews, NOAA Fisheries Service, 1315 East-West Hwy., Silver Spring, MD 20910.

No personally identifiable information will be collected through this survey. Responses will only be associated with a unique, randomly assigned identification code. Any public release of survey data will be without identification as to its source or in aggregate statistical form. All survey data will be stored on secured, password protected servers, and all transfer of survey data will utilize secure file transfer protocols.

Appendix III.3 North Carolina Fishing Effort Survey (continued).

This survey should be filled out by an adult member of the household. Complete and return this form even if no one in your household participates in any of these activities.

START HERE

Please carefully follow the steps below when completing this survey.

Example

• Use only a blue or black ink pen that does not blot the paper

• Make solid marks inside the response boxes

• Do not make other marks on the survey

RIGHT WAY **WRONG WAY**

1 How do members of this household obtain information about the weather, including current weather conditions, forecasts, and warnings? Mark all that apply.

Television
 Radio
 Newspaper
 Internet
 Other

2 During the past 12 months, has anyone in this household had to evacuate or seek shelter due to a severe weather event, such as a tornado, hurricane, or thunderstorm?

Yes
 No

3 In your area, how often do the advanced warnings you get for severe weather events allow you enough time to prepare properly?

All the Time
 Some of the time
 Rarely
 Never

4 During the past 12 months, has anyone in this household visited a public beach, national seashore, coastal state park, or other coastal nature reserve or protected area?

Yes
 No

5 During the past 12 months, has anyone in this household been freshwater fishing in North Carolina?

Yes
 No

6 During the past 12 months, has anyone in this household been saltwater fishing in North Carolina?

Yes
 No

7 Which of the following best describes how your household receives telephone calls?

All are received on cell phones
 Most are received on cell phones
 Some are received on cell phones and some on landline phones
 Most are received on landline phones
 All are received on landline phones
 No calls are received on cell phones or landline phones

8 Which of the following best describes this house, apartment, or mobile home?

Owned with a mortgage or loan
 Owned (without a mortgage)
 Rented
 Occupied without payment or rent

9 How long have you lived at this address?

1 year or less
 Less than 5 years, more than 1 year
 5 years or more

10 How many people, including all adults and children, live in this household?

Number of people

Please answer the next section for each member of your household, starting with yourself. Please answer for all people in your home, including people who fish and people who do not fish.

If you have more than 5 people living at this address, answer for the oldest members of the household.

Please use the calendars to help answer questions 15 and 16.

January							February						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
	1	2	3	4	5	6					1	2	3
7	8	9	10	11	12	13	4	5	6	7	8	9	10
14	15	16	17	18	19	20	11	12	13	14	15	16	17
21	22	23	24	25	26	27	18	19	20	21	22	23	24
28	29	30	31				25	26	27	28			

HOUSEHOLD MEMBER 1 (YOU)

11 What is your gender?

Male
 Female

12 How old are you?
If less than 1 year, mark 0 years

Age in years

13 Are you of Hispanic, Latino, or Spanish origin?

Yes, of Hispanic origin
 No, not of Hispanic origin

14 What is your race? Mark one or more boxes.

White
 Black, African-American
 Asian
 American Indian or Alaska Native
 Native Hawaiian or other Pacific Islander

Please think only about recreational saltwater fishing in North Carolina.

15 How many days did you go recreational saltwater fishing from the SHORE in North Carolina?

The shore includes docks, bridges, causeways, beaches, banks, or any other shore-based place or area. Do not include freshwater fishing.

Did not recreational saltwater fish from shore in last 12 months → **Go to question 16**

Number of days saltwater shore fishing in January and February of 2018

Number of days saltwater shore fishing in last 12 months, including January and February

16 How many days did you go recreational saltwater fishing from a private or rental BOAT that returned to shore in North Carolina?

Do not include freshwater trips or trips where a paid captain or crew helped locate and catch fish.

Did not recreational saltwater fish from private boat in last 12 months

Number of days saltwater boat fishing in January and February of 2018

Number of days saltwater boat fishing in last 12 months, including January and February

If you have more people in your household, continue to Household Member 2. If you have answered for all people in your household, please return your survey.

HOUSEHOLD MEMBER 2

11 What is this person's gender?

Male
 Female

12 How old is this person?
If less than 1 year, mark 0 years

Age in years

13 Is this person of Hispanic, Latino, or Spanish origin?

Yes, of Hispanic origin
 No, not of Hispanic origin

14 What is this person's race? Mark one or more boxes.

White
 Black, African-American
 Asian
 American Indian or Alaska Native
 Native Hawaiian or other Pacific Islander

Please think only about recreational saltwater fishing in North Carolina.

15 How many days did this person go recreational saltwater fishing from the SHORE in North Carolina?

The shore includes docks, bridges, causeways, beaches, banks, or any other shore-based place or area. Do not include freshwater fishing.

Did not recreational saltwater fish from shore in last 12 months → **Go to question 16**

Number of days saltwater shore fishing in January and February of 2018

Number of days saltwater shore fishing in last 12 months, including January and February

16 How many days did this person go recreational saltwater fishing from a private or rental BOAT that returned to shore in North Carolina?

Do not include freshwater trips or trips where a paid captain or crew helped locate and catch fish.

Did not recreational saltwater fish from private boat in last 12 months

Number of days saltwater boat fishing in January and February of 2018

Number of days saltwater boat fishing in last 12 months, including January and February

If you have more people in your household, continue to Household Member 3. If you have answered for all people in your household, please return your survey.

HOUSEHOLD MEMBER 3

11 What is this person's gender?

Male
 Female

12 How old is this person?
If less than 1 year, mark 0 years

Age in years

13 Is this person of Hispanic, Latino, or Spanish origin?

Yes, of Hispanic origin
 No, not of Hispanic origin

14 What is this person's race? Mark one or more boxes.

White
 Black, African-American
 Asian
 American Indian or Alaska Native
 Native Hawaiian or other Pacific Islander

Please think only about recreational saltwater fishing in North Carolina.

15 How many days did this person go recreational saltwater fishing from the SHORE in North Carolina?

The shore includes docks, bridges, causeways, beaches, banks, or any other shore-based place or area. Do not include freshwater fishing.

Did not recreational saltwater fish from shore in last 12 months → **Go to question 16**

Number of days saltwater shore fishing in January and February of 2018

Number of days saltwater shore fishing in last 12 months, including January and February

16 How many days did this person go recreational saltwater fishing from a private or rental BOAT that returned to shore in North Carolina?

Do not include freshwater trips or trips where a paid captain or crew helped locate and catch fish.

Did not recreational saltwater fish from private boat in last 12 months

Number of days saltwater boat fishing in January and February of 2018

Number of days saltwater boat fishing in last 12 months, including January and February

If you have more people in your household, continue to Household Member 4. If you have answered for all people in your household, please return your survey.

Appendix III.4 Glossary of terminology in MRIP survey.

Avidity: The frequency of fishing activity, measured as number of days on which fishing trips were made.

Type A catch: Fish that were caught, were landed whole, and were available for identification and enumeration by the interviewers. In addition, the fish were potentially available for weighing and measuring.

Type B catch: Fish that were caught but were either not kept or not available for identification.

Type B1 catch: Fish that were caught and filleted, released dead, given away, or disposed of in some way other than Types A or B2.

Type B2 catch: Fish that were caught and released alive.

Total catch: The number of fish caught but not necessarily brought ashore, may be obtained by summing catch types A and B or by summing catch types A, B1, and B2. The total number of fish removed from the fishery resource may be obtained by summing catch types A and B1.

Coastal counties: All counties in the coastal states of the United States with some portion within 25 miles of the coastline were included in the Fishing Effort Survey. This boundary was extended to 50 miles in the South Atlantic and Gulf of Mexico from May through October. The boundary was extended further in North Carolina to 50 miles November through April and 100 miles May through October.

Coastal resident: An angler who lived in a coastal county included in the Fishing Effort Survey.

Coastal state: A state bordering on the Atlantic or Pacific Ocean, the Gulf of Mexico or the Caribbean Sea. State also includes a Territory or Commonwealth.

Congener: An organism of the same taxonomic genus as another.

EEZ (U.S. Exclusive Economic Zone): The MFCMA defines this zone as contiguous to the Territorial Sea of all the United States and its possessions and extending seaward 200 nautical miles measured from the baseline from which the Territorial Sea is measured.

Fishery Management Plan (FMP): A plan developed by a Regional Fishery Management Council and the Secretary of the Department of Commerce to manage a fishery resource pursuant to the Magnuson Fishery Conservation and Management Act of 1976.

Fishing access site: Fishing access site refers to the name and location of the place where anglers were intercepted. Each intercept site was given a unique name and code number. The fishing access site did not define the mode of fishing since anglers may have used more than one mode at any given site.

Fishing trip: Fishing during part or all of 1 day in one mode. An angler who fished from both a pier and a beach on the same day made one fishing trip since the pier and the beach are both in the shore mode. However, an angler who fished from a head boat in the morning and from a pier in the afternoon is counted as having made two fishing trips--a head boat trip and a shore trip.

Hours fished: The amount of time an angler actively fished in a mode with fishing gear in the water. If an angler spent time fishing at other sites on the same day, that time was also included provided the fishing was done in the same mode. Not included was the travel time in a boat or travel time between sites.

Household: A household consisted of all persons who occupied a housing unit. The unit must have been intended for year-round use, not seasonal or migratory use.

Intercept survey or creel census: Interviewing anglers and examining their catch upon completion of their fishing trip, or under certain circumstances, while they were still fishing.

Length and weight of fish: Length and weight measurements were obtained from a sample of fish brought ashore in whole form by intercepted anglers. If more than 10 fish of the same species were brought ashore in whole form, 10 fish were randomly selected to be weighed and measured. If 10 or less fish of the same species were brought ashore in whole form, each fish was weighed and measured. For fish with a forked tail, fork length was measured from the tip of the longest jaw or the snout, whichever was terminal with the mouth closed, to the center of the fork. For fish with a non-forked tail, total length was measured from the tip of the longest jaw or the snout, whichever was terminal with the mouth closed, to the tip of the caudal lobe or fin. Weight was measured to the nearest tenth of a kilogram (1 kilogram is approximately 2.2 pounds). Length was measured to the nearest millimeter (1 millimeter is approximately 0.039 inches).

Marine recreational anglers: Those people who fished in marine waters primarily for recreational purposes. Their catch was primarily for home consumption, although occasionally a part or all of their catch may have been sold and entered commercial channels. Specifically, for this survey, marine recreational anglers were defined as follows: In the telephone household survey, an angler was anyone who had been marine recreational fishing in the 12 months prior to telephone household contact, and an eligible angler was anyone who had been marine recreational fishing 2 months prior to the telephone household contact. In the intercept survey an eligible angler was anyone just completing a finfishing trip, or in certain cases, someone who was still fishing.

Marine recreational fishing: Fishing primarily with hook and line for pleasure, amusement, relaxation, or home consumption. If part or all of the catch was sold, the monetary returns constituted an insignificant part of the person's income.

Mode of fishing: The type of place or platform from which marine recreational fishing occurs. There are four modes:

1. **Shore:** A shore may be:

Pier, dock: A structure built over the water and supported by pillars.

Jetty: A kind of wall, usually made of rocks, built out into the water or parallel to the shore to restrain currents or protect a harbor.

Breakwater: An offshore structure used to protect a harbor or breach from the forces of waves.

Bridge: An elevated or raised way across wet ground or water.

Causeway: A connecting channel.

Beach: A level stretch of pebbles or sand beside a body of water, often washed by high water.

Bank: A stretch of rising land at the edge of a body of water not washed by high water, which could be rocks or an overhanging cliff.

2. **Private/Rental:** A boat belonging to an individual or one that is rented. No crew is provided; operated by the owner/renter.

3. **Headboat:** A boat operated by licensed captain usually carrying greater than seven anglers. Fees are paid on a per head (angler) basis.

4. **Charter Boat:** A boat operating under charter for a price, time, etc. It is operated by a licensed captain and crew and the participants are part of a pre-formed group of anglers. Thus, charters are usually closed parties. Note: Charter boats may make all-day or half-day trips.

Non-coastal resident: An angler who lived in a county of a coastal state that was not included in the telephone household survey.

Out-of-state resident: An angler who lived in a state other than the coastal state in which he fished.

Ocean: For the purposes of the survey, ocean is divided into two categories: The ocean 3 miles or less from shore (Territorial Sea) and the ocean more than 3 miles from shore (Exclusive Economic Zone). However, the boundary for state and federal jurisdiction on the Gulf of Mexico coast of Florida is 3 marine leagues, or 10 miles, from shore. Not included are sounds, inlets, rivers, bays, etc.

Inland: Other bodies of saltwater besides the oceans. Included are sounds, inlets, and tidal portions of rivers, bay, estuaries, and other areas of salt or brackish water.

State of fishing access (State of intercept): The state in which the fishing or intercept site was located. For boat fishing, it was the state from which the boat departed the shoreline for fishing.

State of residence: The state in which the angler lived and maintained his permanent residence.

U.S. Territorial Sea: A zone extending 3 nautical miles from shore for all states except the Gulf coast of Florida where the seaward boundary is 3 marine leagues (approximately 10 statute miles).

Wave: A wave is one of the following 2-month intervals:

- January/February (Wave 1)
- March/April (Wave 2)
- May/June (Wave 3)
- July/August (Wave 4)
- September/October (Wave 5)
- November/December (Wave 6)

Appendix III.5 Data elements in MRIP survey.

Dockside Interviews

- State and county of residence
- Avidity level - trips per year
- Mode of fishing
- Primary area of fishing
- Number of anglers contributing to catch
- Number, weights, and lengths of fish caught by species

Fishing Effort Survey

- Gender
- Age
- Ethnicity
- Presence of marine recreational anglers in the household
- Number of anglers per household
- Fishing trips in 2-month period
- Fishing trips in 12-month period
- Mode of each trip

Intercept Data

- Date, location, and site of interview
- Mode of fishing
- Tournament fishing status
- Fishing location
- Gear type
- Hours of fishing time
- Targeted species
- Number of days fished in last year
- State and county of residence
- Sex and age of angler
- Number and types of Type 2 fish (unavailable catch)
- Number of contributors and people in fishing party
- Length and weight of Type 3 fish (available catch)

Expanded Data

- Estimated number of trips in a mode
- Percent of trips in a mode
- Number of trips in a specific mode and area
- Data on groups or types of fish caught in a mode or area
- Estimated numbers of Type A, B1, or B2 fishes caught or released (including variances)
- Estimated weights or lengths of specific types of fish (including variances)
- Number of interviews conducted in specific modes or sites by year, month, etc.
- Catch per trip (including variances)
- Mean weight and/or length of fish from a specific area, mode, etc.

Chapter IV: CENTRAL AND SOUTHERN MANAGEMENT AREA RECREATIONAL FISHERY STATISTICS

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PROGRAM NARRATIVE

The Coastal Angling Program

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

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

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

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

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

Anadromous Creel Surveys

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

SURVEY METHODOLOGY

Study Area

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

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

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

Sampling Procedures

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

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

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

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

Analyses

Effort and Catch Estimations

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

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

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

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

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

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

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

Angler Demographics and Economic Analysis

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

LITERATURE CITED

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

CONTACTS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Year	Area	Month	Total Fishing Trips	Target Striped Bass Trips	Target Striped Bass Hours	Harvest		Discards (numbers)				Total Catch # Fish
						Number	Pounds	Legal Sized	Under Sized	Over Creel	Slot	
2023	CSMA	Jan	6,695	123	722	0	0	843	1,497	0	72	2,411
		Feb	9,487	433	832	0	0	781	94	0	125	1,001
		Mar	11,346	473	2,374	0	0	474	653	0	224	1,352
		Apr	8,496	191	957	0	0	333	353	0	79	764
		May	6,380	136	514	0	0	754	162	0	0	916
		Jun	6,470	1,379	3,765	0	0	1,154	1,602	0	34	2,790
		Jul	5,483	259	1,614	0	0	934	44	0	51	1,030
		Aug	3,805	62	124	0	0	534	127	0	164	825
		Sep	4,703	16	28	0	0	28	32	0	16	76
		Oct	7,021	0	0	0	0	396	339	0	994	1,730
		Nov	6,398	13	40	0	0	19	226	0	0	245
		Dec	6,739	33	305	0	0	188	138	0	70	396
			Total	83,021	3,118	11,276	0	0	6,439	5,268	0	1,829
	PSE	6.78	41.20	27.70	-	-	23.69	42.01	-	52.82	26.68	
2022	CSMA	Jan	6,527	92	525	0	0	1,016	487	0	0	1,503
		Feb	12,547	941	3,910	0	0	1,600	2,345	0	335	4,281
		Mar	12,362	293	968	0	0	397	803	0	97	1,296
		Apr	20,605	2,169	6,012	0	0	5,441	801	0	392	6,635
		May	16,276	1,083	3,509	0	0	1,064	1,086	0	1,829	3,979
		Jun	4,436	248	834	0	0	635	410	0	1,011	2,056
		Jul	5,345	34	201	0	0	384	764	0	9	1,157
		Aug	4,550	28	89	0	0	1,101	434	0	425	1,960
		Sep	6,216	113	824	0	0	641	263	0	33	936
		Oct	7,076	10	143	0	0	176	169	0	59	404
		Nov	11,319	115	391	0	0	945	2,001	0	122	3,068
		Dec	7,828	73	479	0	0	1,284	1,077	0	390	2,751
			Total	115,087	5,200	17,885	0	0	14,685	10,639	0	4,701
	PSE	7.27	27.24	26.40	-	-	24.33	24.56	-	39.97	19.93	
2021	CSMA	Jan	4,144	365	1,370	0	0	959	460	0	0	1,419
		Feb	5,424	269	1,076	0	0	1,113	391	0	441	1,944
		Mar	22,471	1,086	4,508	0	0	417	218	0	240	875
		Apr	13,785	1,462	4,873	0	0	5,074	671	0	263	6,008
		May	14,740	421	1,259	0	0	610	3,596	0	14	4,220
		Jun	4,525	0	0	0	0	24	106	0	0	130
		Jul	7,586	619	2,192	0	0	1,096	1,286	0	167	2,548
		Aug	4,320	241	1,360	0	0	475	544	0	0	1,019
		Sep	7,861	37	83	0	0	346	336	0	240	921
		Oct	6,333	43	200	0	0	245	812	0	163	1,219
		Nov	8,373	101	646	0	0	544	395	0	181	1,120
		Dec	6,270	128	674	0	0	1,420	310	0	61	1,791
			Total	105,833	4,772	18,241	0	0	12,322	9,124	0	1,769
	PSE	6.1	17.57	18.00	-	-	26.23	39.89	-	28.78		

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Year	Area	Month	Striped Bass Trips	Striped Bass Hours	Harvest		Discards (numbers)				Total Catch # Fish
					Number	Pounds	Legal Sized	Under Sized	Over Creel	Slot	
2023	Upper	Jan	0	0	0	0	0	0	0	0	0
		Feb	0	0	0	0	0	0	0	0	0
		Mar	236	707	0	0	0	0	0	0	0
		Apr	9	45	0	0	31	0	0	0	31
		May	0	0	0	0	0	0	0	0	0
		Total	245	752	0	0	31	0	0	0	31
		PSE	96.41	94.24	-	-	71.37	-	-	-	-
	Lower	Jan	6	22	0	0	0	0	0	0	0
		Feb	65	455	0	0	621	29	0	0	650
		Mar	23	117	0	0	143	38	0	0	181
		Apr	4	19	0	0	0	0	0	0	0
		May	0	0	0	0	0	0	0	0	0
		Jun	15	99	0	0	38	0	0	0	38
		Jul	0	0	0	0	0	0	0	0	0
		Aug	0	0	0	0	0	0	0	0	0
		Sep	0	0	0	0	0	0	0	0	0
		Oct	0	0	0	0	0	0	0	0	0
Nov		0	0	0	0	0	0	0	0	0	
Dec		0	0	0	0	0	30	0	0	30	
Total		113	712	0	0	802	97	0	0	899	
PSE	38.80	46.17	-	-	47.68	58.22	-	-	-		
2022	Upper	Jan	0	0	0	0	0	0	0	0	0
		Feb	62	488	0	0	15	382	0	0	397
		Mar	193	499	0	0	132	64	0	0	195
		Apr	1,041	2,486	0	0	351	102	0	187	640
		May	0	0	0	0	0	0	0	0	0
		Total	1,296	3,473	0	0	498	547	0	187	1,232
		PSE	34.81	34.09	-	-	42.80	66.14	-	100.00	-
	Lower	Jan	92	525	0	0	797	274	0	0	1,071
		Feb	136	521	0	0	373	118	0	291	782
		Mar	25	50	0	0	0	79	0	0	79
		Apr	11	66	0	0	22	0	0	0	22
		May	0	0	0	0	0	0	0	0	0
		Jun	0	0	0	0	0	30	0	0	30
		Jul	0	0	0	0	74	504	0	0	578
		Aug	0	0	0	0	0	0	0	0	0
		Sep	20	164	0	0	282	0	0	0	282
		Oct	10	143	0	0	111	0	0	0	111
Nov		0	0	0	0	142	0	0	0	142	
Dec		0	0	0	0	119	27	0	0	147	
Total		294	1,468	0	0	1,920	1,031	0	291	3,242	
PSE	46.11	46.34	-	-	38.18	51.33	-	100.00	-		

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

²Cape Fear data only sampled from March–May.

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

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

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

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

²Cape Fear data only sampled from March–May.

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

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

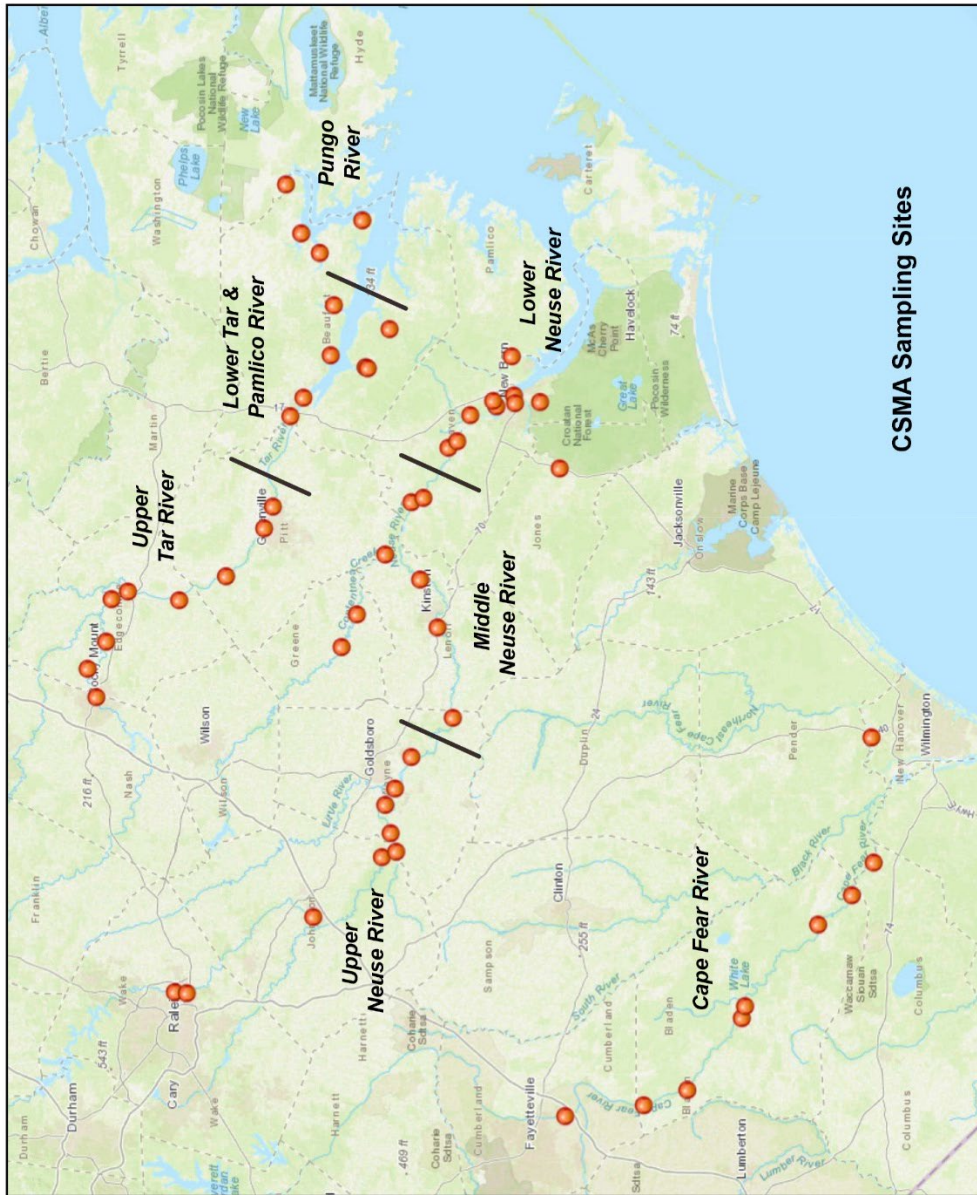


Figure IV.1 Map of study area including sampling sites and description of upper and lower zones.

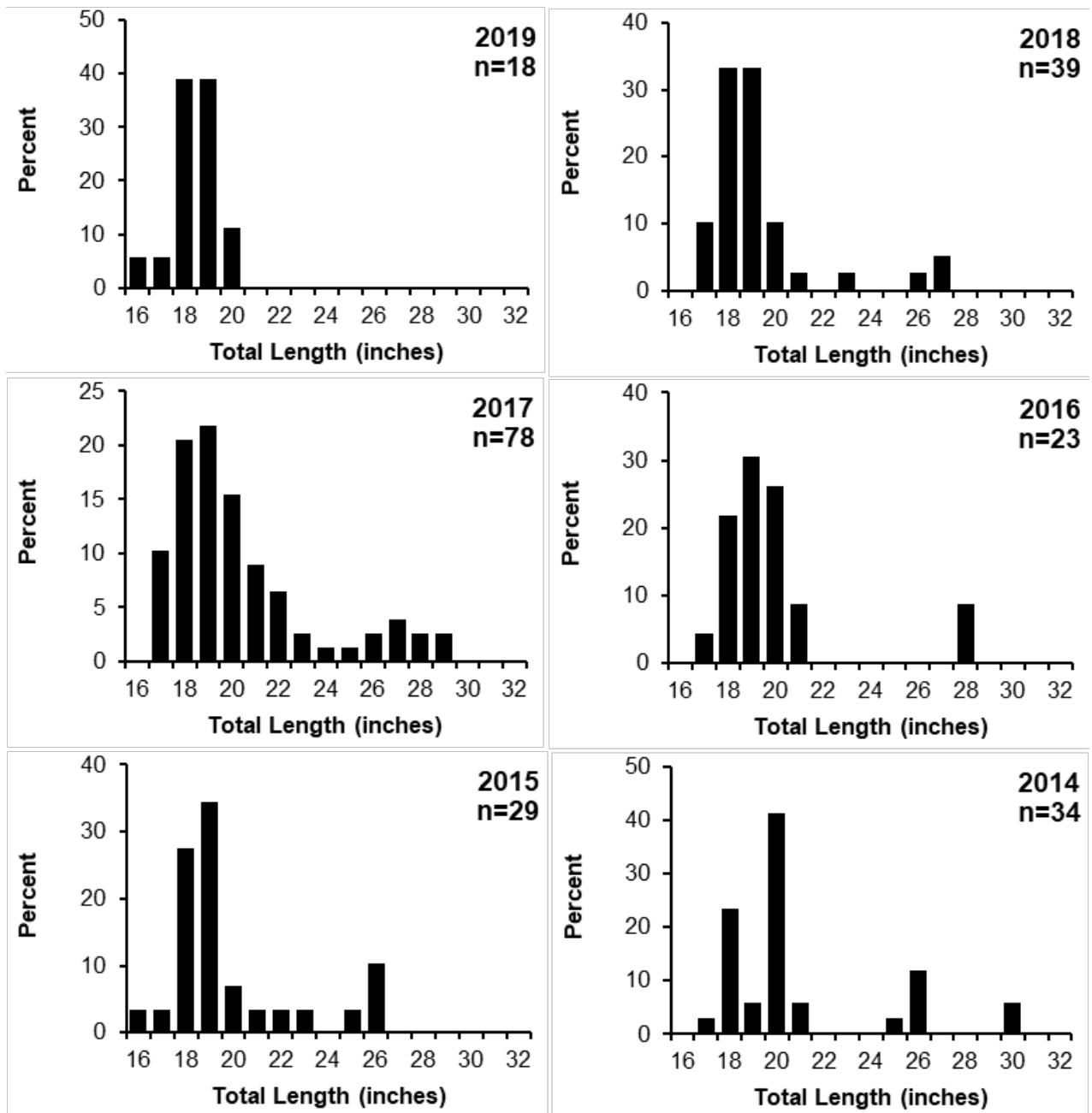


Figure IV.2 Length frequencies by percent of total observed Striped Bass¹ from the Neuse River.

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

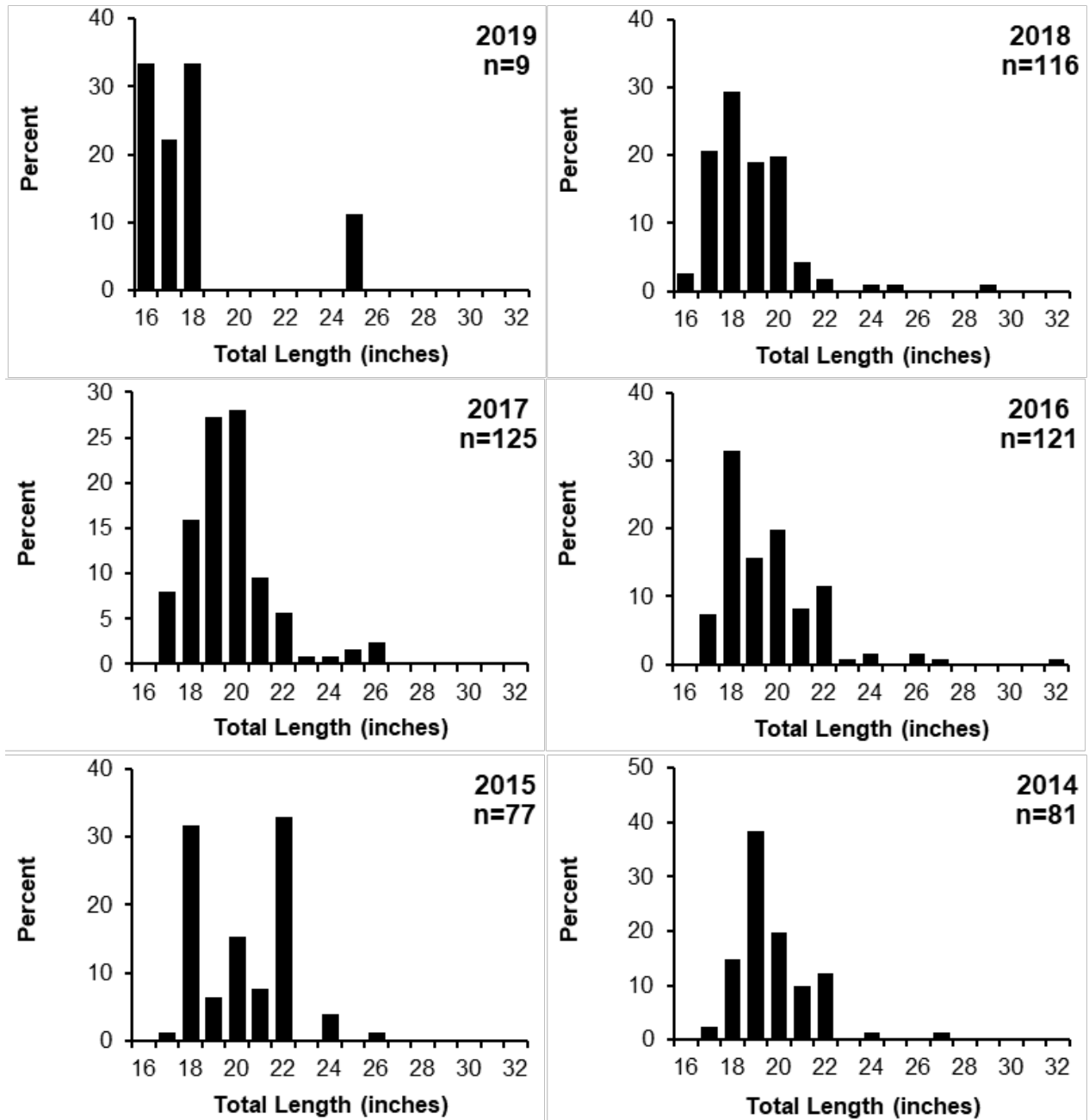


Figure IV.3 Length frequencies by percent of total observed Striped Bass¹ from the Tar/Pamlico and Pungo rivers.

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

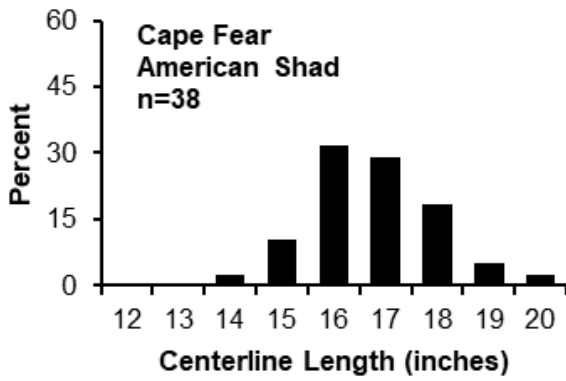
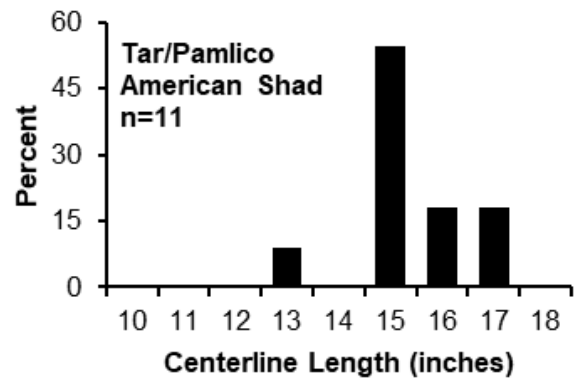
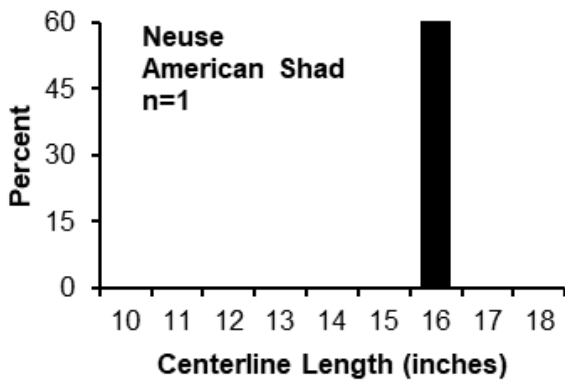


Figure IV.4 Length frequencies by percent of total observed American Shad from the CSMA, 2023.

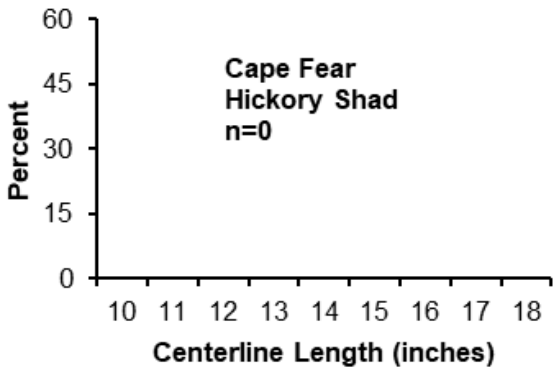
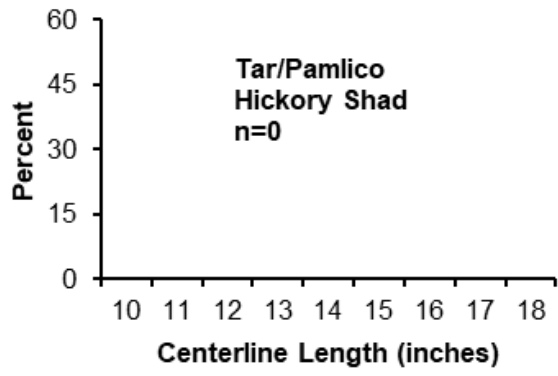
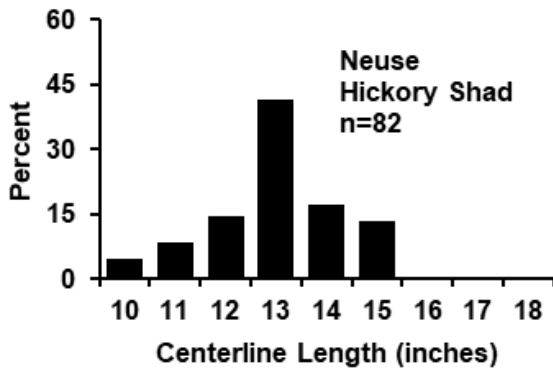


Figure IV.5 Length frequencies by percent of total observed Hickory Shad from the CSMA, 2023.

2023 CSMA CREEL SURVEY

Interview Form

1. INTERVIEWER ID <input style="width: 40px;" type="text"/>	5. INTERVIEW TIME (use 2400 clock) <input style="width: 40px;" type="text"/>	8. PERIOD <input style="width: 40px;" type="text"/>
2. YR/MO/DAY <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/>	6. FISHING TRIP 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No	9. REFUSAL <input type="checkbox"/>
3. INTERVIEW NUMBER <input style="width: 40px;" type="text"/>	4. TYPE OF DAY <input type="checkbox"/>	7. TIME FISHING BEGAN <input style="width: 40px;" type="text"/>
10. SITE <input style="width: 40px;" type="text"/>		

11. HOURS FISHED <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> (Hours/Minutes)	12. PARTY SIZE <input style="width: 40px;" type="text"/>	16. WERE YOU FISHING FOR ANY PARTICULAR KINDS OF FISH TODAY? IF YES, WHAT KINDS? 1st Target <input style="width: 40px;" type="text"/>
13. WERE YOU FISHING FROM: 1 <input type="checkbox"/> Private Boat 2 <input type="checkbox"/> Charterboat 3 <input type="checkbox"/> Shore		2nd Target <input style="width: 40px;" type="text"/>
14. AREA FISHED (Specific waterbody) <input style="width: 40px;" 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 style="width: 40px;" type="text"/>	<input style="width: 20px;" type="text"/>	<input style="width: 40px;" type="text"/>
2 _____	<input style="width: 40px;" type="text"/>	<input style="width: 20px;" type="text"/>	<input style="width: 40px;" type="text"/>
3 _____	<input style="width: 40px;" type="text"/>	<input style="width: 20px;" type="text"/>	<input style="width: 40px;" type="text"/>
4 _____	<input style="width: 40px;" type="text"/>	<input style="width: 20px;" type="text"/>	<input style="width: 40px;" type="text"/>
5 _____	<input style="width: 40px;" type="text"/>	<input style="width: 20px;" type="text"/>	<input style="width: 40px;" 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 style="width: 40px;" type="text"/>	<input style="width: 40px;" type="text"/>	<input style="width: 40px;" type="text"/>	<input style="width: 40px;" type="text"/>	<input style="width: 40px;" type="text"/>
2 _____	<input style="width: 40px;" type="text"/>	<input style="width: 40px;" type="text"/>	<input style="width: 40px;" type="text"/>	<input style="width: 40px;" type="text"/>	<input style="width: 40px;" type="text"/>
3 _____	<input style="width: 40px;" type="text"/>	<input style="width: 40px;" type="text"/>	<input style="width: 40px;" type="text"/>	<input style="width: 40px;" type="text"/>	<input style="width: 40px;" type="text"/>
4 _____	<input style="width: 40px;" type="text"/>	<input style="width: 40px;" type="text"/>	<input style="width: 40px;" type="text"/>	<input style="width: 40px;" type="text"/>	<input style="width: 40px;" type="text"/>
5 _____	<input style="width: 40px;" type="text"/>	<input style="width: 40px;" type="text"/>	<input style="width: 40px;" type="text"/>	<input style="width: 40px;" type="text"/>	<input style="width: 40px;" type="text"/>
6 _____	<input style="width: 40px;" type="text"/>	<input style="width: 40px;" type="text"/>	<input style="width: 40px;" type="text"/>	<input style="width: 40px;" type="text"/>	<input style="width: 40px;" type="text"/>
7 _____	<input style="width: 40px;" type="text"/>	<input style="width: 40px;" type="text"/>	<input style="width: 40px;" type="text"/>	<input style="width: 40px;" type="text"/>	<input style="width: 40px;" type="text"/>
8 _____	<input style="width: 40px;" type="text"/>	<input style="width: 40px;" type="text"/>	<input style="width: 40px;" type="text"/>	<input style="width: 40px;" type="text"/>	<input style="width: 40px;" type="text"/>
9 _____	<input style="width: 40px;" type="text"/>	<input style="width: 40px;" type="text"/>	<input style="width: 40px;" type="text"/>	<input style="width: 40px;" type="text"/>	<input style="width: 40px;" type="text"/>
10 _____	<input style="width: 40px;" type="text"/>	<input style="width: 40px;" type="text"/>	<input style="width: 40px;" type="text"/>	<input style="width: 40px;" type="text"/>	<input style="width: 40px;" type="text"/>

Appendix IV.2 CSMA creel survey socioeconomic questions.

CSMA Creel Socioeconomic Questions

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

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

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

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

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

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

First	MI	Last
Street		
City	ST	ZIP

2023 CSMA CREEL SURVEY ASSIGNMENT SUMMARY FORM

1. INTERVIEWER ID SCHEDULE NUMBER

2. YR/MO/DAY

3. PERIOD

4. TYPE OF DAY

5. SITE

6. TIME ARRIVED 24 hr clock

7. NUMBER TRAILERS Upon Arrival

8. NUMBER TRAILERS Mid-Count

9. NUMBER TRAILERS Upon Departure

10. NUMBER On Bank When Arrived

11. NUMBER On Bank Mid-Time Count

12. NUMBER On Bank When Departed

13. NUMBER Fishing Parties Missed

14. NUMBER Fishing Parties Refused

15. TIME DEPARTED 24 hr clock

Comments

Chapter V: NC RECREATIONAL SALTWATER ACTIVITY MAIL SURVEYS

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PROGRAM NARRATIVE

The Coastal Angling Program

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

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

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

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

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

Recreational Saltwater Activity Mail Surveys

Broad-based intercept surveys are commonly developed to produce estimates of recreational finfish harvest by hook and line activity among anglers. However, some saltwater-related recreational fishing activities are commonly overlooked in these surveys and include the use of alternative gear(s) such as gigs, cast nets, and seines as well as harvest of shellfish (e.g., crabs, clams, and oysters). In May of 2010, North Carolina Division of Marine Fisheries (NCDMF) began a mail survey for developing catch and effort estimates of recreational gigging activity. In October of 2010, an additional mail survey was implemented to develop catch and effort estimates for shellfish including: crabs, clams, and oysters. In October of 2011, a survey for cast net and seine use was implemented. All three mail surveys are currently being conducted in North Carolina and are similar in design, methodology, and estimate computations. To date, methods to calculate catch and effort estimates have been developed and applied for gigging, cast net and seine use, and shellfish.

SURVEY METHODOLOGY

Coastal Recreational Fishing License (CRFL) holders who purchase their license online, at a North Carolina Wildlife Resources Commission (NCWRC) vendor, or at NCDMF or NCWRC offices are asked four questions regarding their participation in their saltwater recreational fishing activities. In addition, lifetime license holders who have purchased a hunting and/or inland fishing license prior to the implementation of the CRFL are asked the same questions when updating their contact information.

These questions are:

- Do you flounder gig?
- Do you use cast nets or seines?
- Do you harvest crabs?
- Do you harvest oysters or clams?

For each survey activity, a subsample of approximately 1,300 anglers are chosen from among those who answered affirmatively to the respective saltwater activity question and whose license was valid at least one day during the prior two months. Each member of the sample is sent a letter and paper survey at the beginning of the month. This letter informs the license holder that they have been chosen to participate in the survey; it also explains the purpose of the survey and how the license holder can participate. The license holder is provided instructions on how to complete the survey that is included with the letter. Approximately one month later, anglers who have not completed the survey are sent a second letter and survey. These individuals are asked to return the survey by the end of the month. The following estimates are produced independently for each survey. Zeros are shown when we received no records of trips, harvest, or discards and could not produce an estimate. Dashes indicate data was not collected during that time. In most cases, dashes represent the absence of sampling during harvest closures.

Participation Estimates

Participation estimates are determined for each of the survey time periods considering the following parameters:

- The number of potential participants is a product of the number of valid recreational licenses for the survey period and the percent of those who answered affirmatively to the respective saltwater activity question at the time of license purchase (or while updating contact information). For example, if there were 100,000 valid recreational licenses for a survey period, and 40% of those anglers answered affirmatively to the flounder giggering question, there would be 40,000 potential participants for the giggering survey.
- The ineligibility rate is the number of anglers reporting that do not participate in the respective saltwater activity divided by the total number of responses received. For example, if there were 100 responses received in the flounder giggering survey and 10 anglers commented that they did not participate in flounder giggering, then the ineligibility rate would be 10%.

- The estimated participation is a product of the number of potential participants and one minus the ineligibility rate. Using the examples above, the estimated participation would be $40,000 \times (1-10\%) = 36,000$ participants.

Effort Estimates

Effort estimates are determined for each of the survey time periods. Overall effort is determined by the number of trips reported for each survey respondent extrapolated to represent the population of license holders.

Catch Estimates

Catch estimates are determined for each of the survey time periods by the following method. Catch is the number of a species harvested by each survey respondent extrapolated to represent the population of license holders.

Precision of Estimates

The numbers presented are estimates, not actual counts; therefore, the level of precision varies. Precision refers to the estimate's variability. Statistical comparison between numbers must include this variability.

Precision refers to the dispersion of the sample measurements used to calculate an estimate and the resultant variability in the estimate. The square root of the estimate of sampling variance is an estimate of the standard error of the estimate and is almost universally used in sample surveys as a measure of precision.

The standard error is used to calculate the proportional standard error (PSE). The PSE expresses the standard error as a percentage of the estimate (standard error/estimate *100). It provides an alternative measure of precision and is useful in comparing the relative precision of two or more estimates. A small PSE indicates a more precise estimate than a large PSE. A PSE of 20% or less is generally considered an acceptable level of precision in fisheries data.

SURVEY LIMITATIONS

Non-Response Bias

There is a potential risk that those anglers who do not respond to the mail survey(s) behave in a manner differing from those who do. This is referred to as non-response bias. A 100% response rate is not a practical expectation from these surveys. This is due to many different factors including, but not limited to: a large constituent of grandfathered license holders who may not participate in the fishery of interest, deceased individuals who were not identified as such before the survey was sent, and individuals choosing not to participate in the survey. Methods to mitigate non-response bias include incentivizing individuals as well as validating effort and catch with on-site intercept surveys.

Recall Bias

Recall bias can occur when any length of time exists between the reporting of an event and the event itself. The longer the time between reporting and the occurrence, the more likely recall bias is to occur. Validity of reported data can be strengthened with an intercept survey (in-person interview).

Rare Events

Activities that seldom occur in recreational angling are referred to as rare events. In this instance, contacting someone participating in oyster and clam harvesting is rare. Despite a relatively high response rate, the number of responses with reported oyster harvesting activity is too low to produce precise estimates of catch.

CONTACTS

The recreational mail surveys are administered by the North Carolina Division of Marine Fisheries, Coastal Angling Program from the Washington Regional Office. For additional information regarding the survey, please contact program staff below:

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Table V.1 Response rates for recreational flounder gigging mail surveys by year.

Year	Survey Metric ¹	Wave							Total
		Jan/Feb	Mar/Apr	May/June	Jul/Aug	Sep/Oct	Nov/Dec		
2023 ²	Total Delivered Surveys	-	-	-	-	-	-	-	-
	Number Responses	-	-	-	-	-	-	-	-
	Responses (%)	-	-	-	-	-	-	-	-
2022 ²	Total Delivered Surveys	-	-	-	-	1,370	-	1,370	
	Number Responses	-	-	-	-	339	-	339	
	Percent Responses	-	-	-	-	24.74	-	24.74	
2021 ²	Total Delivered Surveys	-	-	-	-	1,327	-	1,327	
	Number Responses	-	-	-	-	254	-	254	
	Percent Responses	-	-	-	-	19.40	-	19.14	
2020 ²	Total Delivered Surveys	-	-	-	1,321	1,332	-	2,653	
	Number Responses	-	-	-	262	283	-	545	
	Percent Responses	-	-	-	19.83	21.25	-	20.54	
2019 ²	Total Delivered Surveys	1,309	1,332	1,349	1,406	-	-	5,396	
	Number Responses	392	305	325	304	-	-	1,326	
	Percent Responses	29.95	22.90	24.09	21.62	-	-	24.57	
2018	Total Delivered Surveys	1,288	1,339	1,356	1,368	1,334	1,382	8,067	
	Number Responses	425	349	339	83	332	418	1,946	
	Percent Responses	33.00	26.06	25.00	6.07	24.89	30.25	24.12	
2017	Total Delivered Surveys	1,257	1,303	1,297	1,405	1,397	1,269	7,928	
	Number Responses	380	338	293	206	386	408	2,011	
	Percent Responses	30.23	25.94	22.59	14.66	27.63	32.15	25.37	
2016	Total Delivered Surveys	980	1,280	1,293	1,369	1,103	1,374	7,399	
	Number Responses	274	401	347	361	265	447	2,095	
	Percent Responses	27.96	31.33	26.84	26.37	24.03	32.53	28.31	
2015	Total Delivered Surveys	1,429	1,437	1,427	1,320	1,386	981	7,980	
	Number Responses	515	460	486	478	400	328	2,667	
	Percent Responses	36.04	32.01	34.06	36.21	28.86	33.44	33.42	
2014	Total Delivered Surveys	1,291	1,243	1,260	1,356	1,330	1,339	7,819	
	Number Responses	467	418	416	392	386	475	2,554	
	Percent Responses	36.17	33.63	33.02	28.91	29.02	35.47	32.66	

¹Does not include deceased license holders or invalid addresses.

²Mail survey was suspended during flounder season closures.

Table V.2 Recreational flounder gigging effort and catch (in numbers) (estimates based on mail survey).

Year	Wave	Total Effort	PSE Effort	Total Flounder Harvest	PSE Harvest	Total Flounder Release	PSE Release	Total Flounder Catch	PSE Total Catch
2023 ¹	Jan/Feb	-	-	-	-	-	-	-	-
	Mar/Apr	-	-	-	-	-	-	-	-
	May/Jun	-	-	-	-	-	-	-	-
	Jul/Aug	-	-	-	-	-	-	-	-
	Sep/Oct	-	-	-	-	-	-	-	-
	Nov/Dec	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-
2022 ²	Jan/Feb	-	-	-	-	-	-	-	-
	Mar/Apr	-	-	-	-	-	-	-	-
	May/Jun	-	-	-	-	-	-	-	-
	Jul/Aug	-	-	-	-	-	-	-	-
	Sep/Oct	3,982	25.31	3,422	29.49	109	100.00	3,531	29.96
	Nov/Dec	-	-	-	-	-	-	-	-
	Total	3,982	25.31	3,422	29.49	109	100.00	3,531	29.96
2021 ²	Jan/Feb	-	-	-	-	-	-	-	-
	Mar/Apr	-	-	-	-	-	-	-	-
	May/Jun	-	-	-	-	-	-	-	-
	Jul/Aug	-	-	-	-	-	-	-	-
	Sep/Oct	3,597	25.67	11,338	34.58	926	52.85	12,264	33.78
	Nov/Dec	-	-	-	-	-	-	-	-
	Total	3,597	25.67	11,338	34.58	926	52.85	12,264	33.78
2020 ²	Jan/Feb	-	-	-	-	-	-	-	-
	Mar/Apr	-	-	-	-	-	-	-	-
	May/Jun	-	-	-	-	-	-	-	-
	Jul/Aug	3,516	25.94	5,558	34.37	0	0	5,558	34.37
	Sep/Oct	3,071	26.71	5,953	37.54	90	70.32	6,043	37.05
	Nov/Dec	-	-	-	-	-	-	-	-
	Total	6,587	18.61	11,511	25.45	90	70.49	11,601	25.28
2019 ²	Jan/Feb	698	58.73	532	64.19	398	100.00	930	63.85
	Mar/Apr	450	48.41	964	68.00	74	100.00	1,038	69.71
	May/Jun	3,847	29.96	9,356	48.37	398	70.74	9,754	46.75
	Jul/Aug	3,422	32.25	9,327	44.62	172	100.00	9,499	44.03
	Sep/Oct	-	-	-	-	-	-	-	-
	Nov/Dec	-	-	-	-	-	-	-	-
	Total	8,417	19.95	20,179	30.93	1,042	50.06	21,221	29.71
2018	Jan/Feb	989	51.62	711	64.86	0	0	711	64.86
	Mar/Apr	0	0	136	71.20	0	0	136	71.20
	May/Jun	3,559	36.64	5,197	33.71	294	57.03	5,491	32.69
	Jul/Aug	1,549	44.97	10,556	64.20	0	0	10,556	64.20
	Sep/Oct	1,369	47.57	2,581	39.56	166	100.00	2,746	38.57
	Nov/Dec	2,673	26.75	4,062	37.26	65	100.00	4,127	37.69
	Total	10,139	18.35	23,243	31.42	525	46.78	23,767	30.84

¹Unable to establish a sampling frame in 2023 due to a restructuring of the license holder database.

²Mail survey was suspended during the flounder season closure.

Table V.2 Recreational flounder gigging effort and catch (in numbers) (estimates based on mail survey) (continued).

Year	Wave	Total Effort	PSE Effort	Total Flounder Harvest	PSE Harvest	Total Flounder Release	PSE Release	Total Flounder Catch	PSE Total Catch
2017	Jan/Feb	349	57.56	65	100.00	390	100.00	455	100.00
	Mar/Apr	2,750	37.06	7,640	41.07	141	100.00	7,781	41.29
	May/June	2,757	31.69	5,162	47.97	0	0	5,162	47.97
	Jul/Aug	3,007	26.63	3,668	40.09	0	0	3,668	40.09
	Sep/Oct	3,213	24.91	5,964	32.21	124	100.00	6,088	31.98
	Nov/Dec	1,448	37.29	1,637	46.72	0	0	1,637	46.72
	Total		13,524	13.78	24,136	19.77	655	66.07	24,791
2016	Jan/Feb	150	71.11	0	0.00	0	0	0	0
	Mar/Apr	730	38.16	120	100.00	0	0	120	100.00
	May/June	4,292	27.92	8,268	39.53	3,101	87.53	11,369	42.47
	Jul/Aug	5,621	22.28	5,968	27.88	0	0	5,968	27.88
	Sep/Oct	4,800	29.69	7,087	37.12	277	100.00	7,364	37.01
	Nov/Dec	4,735	27.94	8,199	38.66	359	74.27	8,557	39.17
	Total		20,328	26.27	29,642	33.10	3,737	73.36	33,378
2015	Jan/Feb	951	30.19	1,169	42.18	0	0	1,169	42.18
	Mar/Apr	520	38.32	994	49.16	0	0	994	49.16
	May/June	4,258	18.75	7,600	21.72	1,230	39.46	8,830	21.99
	Jul/Aug	4,448	17.05	7,799	23.02	69	100.00	7,868	22.96
	Sep/Oct	4,592	21.89	9,241	22.54	764	51.28	10,005	23.21
	Nov/Dec	1,892	29.04	1,909	40.00	293	62.00	2,202	41.31
	Total		16,661	9.89	28,712	11.90	2,356	27.91	31,068
2014	Jan/Feb	1,490	37.60	1,880	43.40	542	100.00	2,422	47.70
	Mar/Apr	893	38.40	1,274	64.90	0	0	1,274	64.90
	May/June	5,624	18.10	8,444	26.10	702	47.50	9,146	24.90
	Jul/Aug	5,549	17.40	8,816	23.90	793	40.10	9,609	24.00
	Sep/Oct	5,282	22.00	12,648	27.10	106	100.00	12,754	27.00
	Nov/Dec	2,108	32.20	9,245	33.90	572	51.90	9,817	32.90
	Total		20,946	10.00	42,307	13.60	2,715	28.80	45,022

¹Mail survey was suspended because of the flounder season closure.

Table V.3 Response rates for recreational cast net and seine mail surveys by year.

Year	Survey Metric ¹	Wave						Total
		Jan/Feb	Mar/Apr	May/June	Jul/Aug	Sep/Oct	Nov/Dec	
2023 ²	Total Delivered Surveys	1,250	1,337	1,316	-	-	-	3,903
	Number Responses	286	283	273	-	-	-	842
	Responses (%)	22.88	21.17	20.74	-	-	-	21.57
2022	Total Delivered Surveys	1,313	1,345	1,396	1,385	1,295	1,297	8,031
	Number Responses	314	284	268	281	313	332	1,792
	Percent Responses	23.91	21.12	19.20	20.29	24.17	25.60	22.31
2021	Total Delivered Surveys	1,329	1,311	1,319	1,339	1,330	1,394	8,022
	Number Responses	398	312	274	278	275	357	1,894
	Percent Responses	29.95	23.80	20.77	20.76	20.68	25.61	23.61
2020	Total Delivered Surveys	1,318	1,319	1,325	1,337	1,337	1,325	7,961
	Number Responses	445	411	338	341	347	409	2,291
	Percent Responses	33.76	31.16	25.51	25.50	25.95	30.87	28.78
2019	Total Delivered Surveys	1,289	1,327	1,337	1,432	1,362	1,317	8,064
	Number Responses	384	369	375	318	394	379	2,219
	Percent Responses	29.79	27.81	28.05	22.21	28.93	28.78	27.52
2018	Total Delivered Surveys	1,282	1,353	1,403	1,370	1,349	1,288	8,045
	Number Responses	421	422	392	119	348	419	2,121
	Percent Responses	32.84	31.19	27.94	8.69	25.80	32.53	26.36
2017	Total Delivered Surveys	1,318	1,336	1,281	1,621	1,397	1,265	8,218
	Number Responses	445	424	376	358	357	421	2,381
	Percent Responses	33.76	31.74	29.35	22.09	25.55	33.28	28.97
2016	Total Delivered Surveys	1,230	1,294	1,289	1,388	1,200	1,276	7,677
	Number Responses	423	473	391	370	362	465	2,484
	Percent Responses	34.39	36.55	30.33	26.66	30.17	36.44	32.36
2015	Total Delivered Surveys	1,361	1,435	1,405	1,460	1,375	1,159	8,195
	Number Responses	490	514	452	424	390	411	2,681
	Percent Responses	36.00	35.82	32.17	29.04	28.36	35.46	32.72
2014	Total Delivered Surveys	1,289	1,270	1,254	1,396	1,243	1,324	7,776
	Number Responses	506	458	377	362	398	479	2,580
	Percent Responses	39.26	36.06	30.06	25.93	32.02	36.18	33.18

¹Does not include deceased license holders or invalid addresses.

²Unable to establish a sampling frame in 2023 due to a restructuring of the license holder database.

Table V.4 Recreational cast net effort and catch (in numbers) for Atlantic Menhaden (estimates based on mail survey).

Year	Wave	Total Effort	PSE Effort	Total Menhaden Harvest	PSE Harvest	Total Menhaden Release	PSE Release	Total Menhaden Catch	PSE Total Catch
2023 ¹	Jan/Feb	9,863	17.84	30,794	84.59	12,403	86.98	43,197	85.26
	Mar/Apr	12,778	13.24	15,394	62.35	6,305	67.01	21,699	63.57
	May/June	41,562	11.95	95,433	40.93	51,012	42.10	146,445	39.17
	Jul/Aug	-	-	-	-	-	-	-	-
	Sep/Oct	-	-	-	-	-	-	-	-
	Nov/Dec	-	-	-	-	-	-	-	-
	Total	64,204	9.28	141,621	34.05	69,720	35.24	211,340	33.15
2022	Jan/Feb	11,942	30.15	0	0	0	0	0	0.00
	Mar/Apr	18,105	13.67	8,182	85.26	7,904	59.05	16,086	63.91
	May/June	26,208	10.31	12,283	48.96	2,679	53.40	14,962	48.50
	Jul/Aug	37,975	11.06	50,076	69.10	21,061	48.49	71,137	59.50
	Sep/Oct	58,783	11.63	8,749	58.36	15,142	74.14	23,890	66.43
	Nov/Dec	35,928	10.70	40,104	50.14	12,935	64.68	53,039	48.86
	Total	188,941	5.52	119,393	34.70	59,721	30.19	179,114	29.98
2021	Jan/Feb	12,301	25.86	3,678	100.00	0	0	3,678	100.00
	Mar/Apr	51,720	29.31	8,146	78.67	0	0	8,146	78.67
	May/June	47,057	13.14	65,773	73.71	15,155	86.21	80,928	63.23
	Jul/Aug	46,579	14.63	31,661	46.30	6,386	57.51	38,047	47.16
	Sep/Oct	65,042	11.21	26,125	45.72	13,085	57.61	39,210	43.03
	Nov/Dec	35,202	14.97	17,339	49.01	2,717	78.59	20,056	49.44
	Total	257,901	9.22	152,722	34.97	37,343	42.03	190,064	30.77
2020	Jan/Feb	16,001	20.32	4,714	58.24	2,647	100.00	7,361	66.20
	Mar/Apr	13,326	17.01	18,135	37.33	13,279	46.06	31,414	36.77
	May/June	23,647	16.41	10,244	63.88	8,440	67.33	18,684	54.84
	Jul/Aug	69,020	15.03	45,370	31.57	17,561	34.52	62,931	30.10
	Sep/Oct	34,416	13.07	31,041	44.80	8,915	48.94	39,956	43.94
	Nov/Dec	27,083	14.32	16,622	53.12	10,146	43.73	26,768	47.23
	Total	183,493	7.62	126,126	19.12	60,988	20.26	187,114	17.76
2019	Jan/Feb	13,659	18.40	17,103	47.42	4,863	48.97	21,966	47.09
	Mar/Apr	10,751	20.56	2,818	75.92	6,330	80.64	9,148	79.05
	May/June	42,236	15.00	42,858	31.35	23,445	32.17	66,303	30.56
	Jul/Aug	43,978	14.52	36,847	39.39	30,263	44.78	67,110	37.49
	Sep/Oct	45,606	12.74	24,679	35.00	7,886	51.86	32,565	34.81
	Nov/Dec	16,667	20.08	27,942	45.77	10,498	63.44	38,440	48.51
	Total	172,897	7.03	152,247	17.42	83,285	22.04	235,532	17.47
2018	Jan/Feb	6,463	28.60	3,036	70.90	675	100.00	3,710	70.75
	Mar/Apr	10,362	19.54	0	0	0	0	0	0
	May/June	33,481	13.79	60,711	26.81	33,363	29.77	94,075	26.33
	Jul/Aug	10,400	17.70	27,555	61.31	12,297	50.82	39,852	57.24
	Sep/Oct	11,832	71.15	0	0	0	0	0	0
	Nov/Dec	20,643	16.34	39,138	37.65	5,666	55.14	44,804	36.96
	Total	93,181	11.57	130,441	21.50	52,000	23.72	182,441	20.87

¹Unable to establish a sampling frame in 2023 due to a restructuring of the license holder database.

Table V.4 Recreational cast net effort and catch (in numbers) for Atlantic Menhaden (estimates based on mail survey) (continued).

Year	Wave	Total		Total		Total		Total	
		Effort	PSE Effort	Menhaden Harvest	PSE Harvest	Menhaden Release	PSE Release	Menhaden Catch	PSE Total Catch
2017	Jan/Feb	6,793	24.00	18,229	68.09	1,768	72.66	19,997	68.43
	Mar/Apr	16,500	15.71	26,415	37.69	14,929	37.74	41,344	35.37
	May/June	44,380	13.11	66,305	26.94	26,597	34.09	92,902	26.66
	Jul/Aug	55,435	13.55	57,131	45.68	23,282	42.36	80,413	44.34
	Sep/Oct	48,079	13.22	67,551	32.33	24,180	41.25	91,731	31.66
	Nov/Dec	27,603	14.66	25,571	59.21	5,817	50.26	31,388	57.06
	Total	198,790	6.60	261,203	17.10	96,573	18.70	357,775	16.57
2016	Jan/Feb	12,493	25.82	8,164	59.04	2,758	59.49	10,923	59.07
	Mar/Apr	15,978	19.49	28,291	36.68	8,749	45.47	37,040	36.06
	May/June	39,692	13.63	83,219	31.01	32,888	32.53	116,107	30.57
	Jul/Aug	50,891	12.44	79,950	31.18	24,649	38.73	104,598	30.21
	Sep/Oct	43,818	11.67	53,022	27.37	27,515	30.43	80,537	26.80
	Nov/Dec	32,993	16.92	25,566	41.18	4,439	46.87	30,006	38.65
	Total	195,865	6.40	278,213	15.16	100,998	17.25	379,210	14.81
2015	Jan/Feb	10,675	22.58	0	0	0	0	0	0
	Mar/Apr	16,552	16.53	2,034	63.25	268	100.00	2,301	65.86
	May/June	50,845	12.02	62,733	22.95	63,946	38.59	126,679	26.40
	Jul/Aug	68,945	10.32	113,267	29.60	61,579	37.85	174,846	31.41
	Sep/Oct	41,410	10.51	41,810	30.40	15,103	34.97	56,912	29.27
	Nov/Dec	25,799	17.18	51,979	41.82	21,644	62.44	73,624	43.80
	Total	214,226	5.77	271,824	16.49	162,539	22.84	434,363	17.17
2014	Jan/Feb	7,369	21.66	695	100.00	0	0	695	100.00
	Mar/Apr	16,723	18.27	17,674	47.02	2,777	59.23	20,452	43.47
	May/June	33,348	14.10	14,805	34.93	5,067	40.88	19,872	32.03
	Jul/Aug	53,322	14.68	22,338	32.50	7,558	40.80	29,896	32.48
	Sep/Oct	65,487	12.05	66,546	26.92	43,994	37.34	110,540	26.57
	Nov/Dec	26,039	14.12	9,361	39.07	5,097	49.49	14,458	39.43
	Total	202,287	6.75	131,419	17.21	64,493	27.34	195,912	17.72

Table V.5 Recreational cast net effort and catch (in numbers) for mullet (striped and white) (estimates based on mail survey).

Year	Wave	Total		Total Mullet		Total Mullet		PSE Total	
		Effort	PSE Effort	Harvest	Harvest	Release	Release	Catch	Catch
2023 ¹	Jan/Feb	6,326	22.89	7,508	51.08	2,628	59.85	10,136	48.94
	Mar/Apr	12,309	14.15	26,860	33.09	4,646	58.26	31,506	33.44
	May/June	44,589	11.39	89,162	29.54	30,239	45.75	119,401	30.30
	Jul/Aug	-	-	-	-	-	-	-	-
	Sep/Oct	-	-	-	-	-	-	-	-
	Nov/Dec	-	-	-	-	-	-	-	-
	Total	63,225	9.52	123,531	23.32	37,512	38.87	161,043	24.51
2022	Jan/Feb	10,328	33.34	10,653	69.23	3,592	75.63	14,245	67.85
	Mar/Apr	12,709	17.28	4,857	64.58	695	100.00	5,551	67.80
	May/June	24,938	11.07	96,275	23.25	36,695	43.35	132,970	23.30
	Jul/Aug	34,342	10.17	146,314	24.85	51,706	37.42	198,020	24.77
	Sep/Oct	57,320	11.77	355,452	20.33	124,366	21.36	479,818	18.49
	Nov/Dec	28,886	10.60	83,547	25.03	27,805	34.53	111,352	24.16
	Total	168,522	5.75	697,096	12.79	244,859	15.72	941,955	12.01
20201	Jan/Feb	10,518	27.92	15,365	61.13	4,615	56.65	19,980	57.68
	Mar/Apr	50,762	29.88	52,766	42.65	14,592	46.36	67,358	42.02
	May/June	45,681	11.77	133,646	26.89	34,978	50.55	168,624	26.94
	Jul/Aug	41,346	15.30	254,681	22.83	69,914	24.54	324,594	20.74
	Sep/Oct	65,736	11.42	582,176	24.49	169,786	25.53	751,961	21.10
	Nov/Dec	36,335	14.62	183,488	27.24	57,966	29.35	241,453	26.85
	Total	250,379	9.33	1,222,120	14.23	351,850	15.85	1,573,970	12.82
2020	Jan/Feb	11,690	23.91	8,878	37.90	1,077	53.26	9,955	36.79
	Mar/Apr	11,799	17.52	25,426	29.91	4,549	47.45	29,975	29.74
	May/June	24,586	16.88	51,327	21.07	19,058	31.51	70,385	20.57
	Jul/Aug	64,789	14.77	152,144	21.30	78,864	25.79	231,008	19.82
	Sep/Oct	34,501	13.04	254,362	17.99	56,512	18.45	310,874	16.79
	Nov/Dec	26,203	14.89	136,348	19.60	46,406	22.07	182,754	18.72
	Total	173,568	7.63	628,485	10.46	206,466	12.95	834,951	9.88
2019	Jan/Feb	12,139	18.37	27,088	35.13	7,351	33.67	34,439	32.65
	Mar/Apr	9,674	21.35	11,023	37.44	3,517	47.80	14,540	34.67
	May/June	44,262	14.50	143,824	21.90	35,856	24.98	179,680	20.94
	Jul/Aug	39,904	14.48	210,967	20.28	122,890	33.57	333,857	20.81
	Sep/Oct	40,143	13.31	219,358	14.84	124,146	22.67	343,504	15.26
	Nov/Dec	16,819	20.08	76,555	30.71	27,125	33.33	103,680	30.03
	Total	162,941	7.09	688,815	9.98	320,885	16.49	1,009,700	10.20
2018	Jan/Feb	4,121	30.39	3,935	65.15	450	70.45	4,385	62.08
	Mar/Apr	8,950	20.77	16,051	41.37	4,560	43.16	20,611	39.45
	May/June	32,021	14.25	58,694	25.19	12,577	29.48	71,271	24.82
	Jul/Aug	11,125	20.34	43,317	24.18	13,418	33.35	56,735	24.50
	Sep/Oct	11,832	71.14	139,578	72.50	56,912	85.79	196,490	76.10
	Nov/Dec	20,890	16.26	85,612	18.41	20,987	23.64	106,599	18.43
	Total	88,939	12.08	347,187	30.10	108,904	45.40	456,091	33.52

¹Unable to establish a sampling frame in 2023 due to a restructuring of the license holder database.

Table V.5 Recreational cast net effort and catch (in numbers) for mullet (striped and white) (estimates based on mail survey) (continued).

Year	Wave	Total		Total Mullet		Total		Total	
		Effort	PSE Effort	Harvest	PSE Harvest	Mullet Release	PSE Release	Mullet Catch	PSE Total Catch
2017	Jan/Feb	6,178	25.31	7,047	55.91	994	70.90	8,042	56.73
	Mar/Apr	16,513	15.89	36,630	25.65	13,572	30.51	50,202	26.33
	May/June	37,371	13.24	175,562	20.30	56,093	21.82	231,656	19.38
	Jul/Aug	54,353	13.84	218,395	15.64	89,636	19.34	308,031	15.00
	Sep/Oct	41,186	13.79	195,901	15.89	54,855	24.65	250,756	16.07
	Nov/Dec	27,259	14.43	89,393	18.61	24,847	28.13	114,240	18.87
	Total	182,861	6.74	722,929	8.82	239,998	11.29	962,927	8.65
2016	Jan/Feb	11,910	27.09	6,927	51.06	3,283	73.22	10,210	55.40
	Mar/Apr	13,803	20.49	17,333	44.54	1,238	63.48	18,571	42.02
	May/June	39,127	13.71	141,203	25.15	47,699	29.86	188,903	23.58
	Jul/Aug	51,085	11.80	306,614	18.25	109,938	22.31	416,552	17.74
	Sep/Oct	41,325	12.10	173,517	18.61	26,096	21.31	199,613	17.21
	Nov/Dec	34,673	16.32	102,800	26.48	31,637	33.07	134,437	26.99
	Total	191,922	6.41	748,394	10.88	219,892	14.29	968,286	10.67
2015	Jan/Feb	6,730	25.39	19,540	38.22	3,060	51.98	22,600	37.02
	Mar/Apr	13,981	18.45	25,446	28.17	5,880	33.61	31,326	27.87
	May/June	50,315	12.08	147,726	17.82	50,052	25.69	197,778	16.87
	Jul/Aug	71,656	10.65	400,123	13.85	156,696	19.10	556,819	14.06
	Sep/Oct	40,078	10.64	232,037	15.37	43,801	19.09	275,837	15.14
	Nov/Dec	24,116	17.75	117,650	21.56	36,550	26.23	154,200	21.86
	Total	206,876	6.04	942,521	8.37	296,039	12.17	1,238,561	8.51
2014	Jan/Feb	5,206	25.01	12,023	46.25	1,076	57.91	13,099	44.25
	Mar/Apr	16,131	19.02	13,949	44.99	1,859	60.34	15,807	43.03
	May/June	35,945	13.48	110,839	20.80	28,262	22.41	139,101	19.47
	Jul/Aug	52,883	13.70	208,730	18.06	63,626	19.80	272,356	16.77
	Sep/Oct	63,224	12.69	362,912	14.57	136,337	16.37	499,250	13.47
	Nov/Dec	23,867	14.50	74,605	19.73	20,344	26.72	94,949	19.16
	Total	197,257	6.78	783,058	9.42	251,504	11.09	1,034,561	8.91

Table V.6 Recreational cast net effort and catch (in numbers) for shrimp (estimates based on mail survey).

Year	Wave	Total Effort	PSE Effort	Total Shrimp Harvest	PSE Harvest	Total Shrimp Release	PSE Release	Total Shrimp Catch	PSE Total Catch
2023 ¹	Jan/Feb	15,996	32.65	0	0	0	0	0	0
	Mar/Apr	14,043	12.61	0	0	0	0	0	0
	May/June	42,407	10.14	17,231	55.17	244	100.00	17,475	54.42
	Jul/Aug	-	-	-	-	-	-	-	-
	Sep/Oct	-	-	-	-	-	-	-	-
	Nov/Dec	-	-	-	-	-	-	-	-
	Total		72,445	9.77	17,231	55.17	244	100.00	17,475
2022	Jan/Feb	9,917	34.06	6,194	100.00	0	0	6,194	100.00
	Mar/Apr	18,661	13.88	0	0	0	0	0	0
	May/June	26,762	11.33	25,830	44.41	0	0	25,830	44.41
	Jul/Aug	36,058	11.13	32,149	39.40	2,999	59.63	35,148	37.86
	Sep/Oct	58,571	11.05	64,719	47.47	20,631	55.14	85,351	46.42
	Nov/Dec	32,517	11.32	2,675	95.00	1,057	100.00	3,732	96.38
	Total		182,485	5.52	131,567	27.42	24,688	47.29	156,254
2021	Jan/Feb	11,887	26.57	0	0	0	0	0	0
	Mar/Apr	52,240	29.08	3,479	100.00	0	0	3,479	100.00
	May/June	50,421	12.33	37,608	64.47	15,700	63.46	53,308	52.75
	Jul/Aug	47,317	14.05	14,847	58.22	111	70.40	14,958	57.78
	Sep/Oct	75,771	11.39	46,602	51.05	1,795	100.00	48,397	50.63
	Nov/Dec	35,189	14.92	9,414	76.69	4,707	76.69	14,121	76.69
	Total		272,825	8.96	111,949	32.26	22,313	48.46	134,262
2020	Jan/Feb	18,681	19.52	5,736	59.53	0	0	5,736	59.53
	Mar/Apr	12,427	17.07	10,288	50.89	1,190	100.00	11,478	50.05
	May/June	28,107	15.25	11,212	44.03	4,636	46.03	15,848	35.87
	Jul/Aug	63,788	14.84	161,152	59.46	45,525	46.41	206,677	55.07
	Sep/Oct	32,125	13.22	11,121	100.00	203	100.00	11,324	98.22
	Nov/Dec	30,863	14.36	9,945	54.08	1,296	70.90	11,241	51.76
	Total		185,991	7.21	209,454	46.67	52,850	40.97	262,304
2019	Jan/Feb	11,518	18.35	0	0	0	0	0	0
	Mar/Apr	10,476	20.01	0	0	0	0	0	0
	May/June	46,723	13.82	46,620	40.80	11,804	39.30	58,424	38.98
	Jul/Aug	44,469	14.48	17,635	47.97	250	100.00	17,885	47.51
	Sep/Oct	46,450	12.52	12,220	77.20	13,545	65.07	25,765	54.36
	Nov/Dec	17,346	19.42	6,792	59.83	1,544	100.00	8,336	63.92
	Total		176,982	6.90	83,267	28.10	27,143	37.29	110,410
2018	Jan/Feb	4,658	34.61	0	0	0	0	0	0
	Mar/Apr	10,228	19.78	1,206	100.00	0	0	1,206	100.00
	May/June	35,845	14.80	20,385	41.27	1,308	52.25	21,693	39.54
	Jul/Aug	12,908	19.19	52,655	94.22	192	100.00	52,847	93.88
	Sep/Oct	11,832	71.15	0	0	0	0	0	0
	Nov/Dec	20,263	16.50	14,904	67.67	0	0	14,904	67.67
	Total		95,734	11.71	89,151	57.59	1,500	47.45	90,651

¹Unable to establish a sampling frame in 2023 due to a restructuring of the license holder database.

Table V.6 Recreational cast net effort and catch (in numbers) for shrimp (estimates based on mail survey) (continued).

Year	Wave	Total Effort	PSE Effort	Total Shrimp Harvest	PSE Harvest	Total Shrimp Release	PSE Release	Total Shrimp Catch	PSE Total Catch
2017	Jan/Feb	7,318	22.73	1,105	100.00	0	0	1,105	100.00
	Mar/Apr	17,945	15.42	1,257	100.00	0	0	1,257	100.00
	May/June	38,382	12.88	17,556	35.83	3,781	58.52	21,337	36.97
	Jul/Aug	52,265	13.37	56,353	34.70	13,110	53.29	69,463	36.61
	Sep/Oct	47,613	13.29	39,478	39.98	11,757	70.42	51,235	41.88
	Nov/Dec	29,071	14.39	7,644	55.97	3,579	74.33	11,223	55.98
	Total	192,593	6.45	123,393	21.83	32,227	35.63	155,621	22.90
2016	Jan/Feb	14,268	25.08	3,826	100.00	1,196	100.00	5,021	100.00
	Mar/Apr	15,246	19.17	1,802	87.12	746	100.00	2,548	90.64
	May/June	41,056	14.08	17,930	67.17	3,196	70.73	21,126	64.79
	Jul/Aug	54,288	12.07	173,302	30.19	49,762	47.36	223,064	30.57
	Sep/Oct	40,406	11.34	23,622	33.43	2,394	64.75	26,016	34.78
	Nov/Dec	28,974	17.02	16,951	41.35	1,965	58.61	18,916	41.25
	Total	194,237	6.38	237,433	23.69	59,259	40.71	296,692	24.49
2015	Jan/Feb	8,957	24.03	9,119	67.90	2,015	70.58	11,134	62.32
	Mar/Apr	14,425	16.74	4,388	60.14	321	100.00	4,709	60.38
	May/June	55,668	11.76	39,530	36.70	5,274	51.05	44,804	37.34
	Jul/Aug	72,275	10.66	87,268	25.87	18,119	33.39	105,387	26.37
	Sep/Oct	40,828	10.81	24,761	53.36	6,686	66.81	31,447	54.77
	Nov/Dec	25,331	17.34	27,564	57.45	0	0	27,564	57.45
	Total	217,484	5.94	192,630	18.03	32,415	25.32	225,044	18.22
2014	Jan/Feb	6,696	23.01	1,390	100.00	0	0	1,390	100.00
	Mar/Apr	17,128	20.66	2,001	73.10	0	0	2,001	73.10
	May/June	33,723	13.38	28,797	44.45	1,074	49.83	29,871	43.31
	Jul/Aug	54,700	12.73	91,643	30.78	12,355	50.79	103,998	30.70
	Sep/Oct	66,873	11.89	74,088	38.11	16,176	66.90	90,264	35.55
	Nov/Dec	26,905	13.61	2,105	71.43	0	0	2,105	71.43
	Total	206,024	6.45	200,025	21.29	29,605	42.44	229,630	20.86

Table V.7 Response rates for recreational shellfish and crab harvest by year.

Year	Survey Metric ¹	Wave						Total
		Jan/Feb	Mar/Apr	May/June	Jul/Aug	Sep/Oct	Nov/Dec	
2023 ²	Total Delivered Surveys	1,312	1,281	1,355	-	-	-	3,948
	Number Responses	381	315	311	-	-	-	1,007
	Responses (%)	29.04	24.59	22.95	-	-	-	25.51
2022	Total Delivered Surveys	1,332	1,332	1,407	1,301	1,310	1,301	7,983
	Number Responses	374	349	357	350	362	374	2,166
	Percent Responses	28.08	26.20	25.37	26.90	27.63	28.75	27.13
2021	Total Delivered Surveys	1,321	1,331	1,340	1,338	1,339	1,380	8,049
	Number Responses	371	366	304	282	324	436	2,083
	Percent Responses	28.08	27.50	22.69	21.08	24.20	31.59	25.88
2020	Total Delivered Surveys	1,301	1,316	1,352	1,317	1,341	1,325	7,952
	Number Responses	469	445	332	360	377	414	2,397
	Percent Responses	36.05	33.81	24.56	27.33	28.11	31.25	30.14
2019	Total Delivered Surveys	1,318	1,334	1,367	1,397	1,355	1,303	8,074
	Number Responses	436	370	334	344	384	418	2,286
	Percent Responses	33.08	27.74	24.43	24.62	28.34	32.08	28.31
2018	Total Delivered Surveys	1,309	1,311	1,383	1,378	1,353	1,346	8,080
	Number Responses	472	391	378	111	388	438	2,178
	Percent Responses	36.06	29.82	27.33	8.06	28.68	32.54	26.96
2017	Total Delivered Surveys	1,309	1,351	1,353	1,396	1,362	1,281	8,052
	Number Responses	491	447	377	230	416	443	2,404
	Percent Responses	37.51	33.09	27.86	16.48	30.54	34.58	29.86
2016	Total Delivered Surveys	1,279	1,258	1,273	1,359	1,355	1,236	7,760
	Number Responses	459	435	431	367	444	487	2,623
	Percent Responses	35.89	34.58	33.86	27.01	32.77	39.40	33.80
2015	Total Delivered Surveys	1,346	1,452	1,269	1,416	1,352	1,205	8,040
	Number Responses	551	610	364	436	441	489	2,891
	Percent Responses	40.94	42.01	28.68	30.79	32.62	40.58	35.96
2014	Total Delivered Surveys	1,268	1,255	1,204	1,354	1,309	1,361	7,751
	Number Responses	537	509	439	363	444	498	2,790
	Percent Responses	42.35	40.56	36.46	26.81	33.92	36.59	36.00

¹Does not include deceased license holders or invalid addresses.

²Unable to establish a sampling frame in 2023 due to a restructuring of the license holder database.

Table V.8 Number and percent of recreational shellfish surveys reporting clam activity by year.

Year	Survey Metric ¹	Wave						Total
		Jan/Feb	Mar/Apr	May/June	Jul/Aug	Sep/Oct	Nov/Dec	
2023 ²	Total Responses (number)	381	315	311	-	-	-	1,007
	Reporting Clam Activity (number)	7	6	14	-	-	-	27
	Reporting Clam Activity (%)	1.84	1.90	4.50	-	-	-	2.68
2022	Total Responses (number)	374	349	357	350	362	374	2,166
	Reporting Clam Activity (number)	8	6	19	19	13	1	66
	Reporting Clam Activity (%)	2.14	1.72	5.32	5.43	3.59	0.27	3.05
2021	Total Responses (number)	371	366	304	282	324	436	2,083
	Reporting Clam Activity (number)	4	8	15	11	14	7	59
	Reporting Clam Activity (%)	1.08	2.19	4.93	3.90	4.32	1.61	2.83
2020	Total Responses (number)	469	445	332	360	377	414	2,397
	Reporting Clam Activity (number)	6	9	19	19	22	7	82
	Reporting Clam Activity (%)	1.28	2.02	5.72	5.28	5.84	1.69	3.42
2019	Total Responses (number)	436	370	334	344	384	418	2,286
	Reporting Clam Activity (number)	11	12	15	27	18	11	94
	Reporting Clam Activity (%)	2.52	3.24	4.49	7.85	4.69	2.63	4.11
2018	Total Responses (number)	472	391	378	111	388	438	2,178
	Reporting Clam Activity (number)	9	8	16	12	11	9	65
	Reporting Clam Activity (%)	1.91	2.05	4.23	10.81	2.84	2.05	2.98
2017	Total Responses (number)	491	447	377	230	416	443	2,404
	Reporting Clam Activity (number)	9	12	24	19	20	10	94
	Reporting Clam Activity (%)	1.83	2.68	6.37	8.26	4.81	2.26	3.91
2016	Total Responses (number)	459	435	431	367	444	487	2,623
	Reporting Clam Activity (number)	17	16	24	43	24	14	138
	Reporting Clam Activity (%)	3.70	3.68	5.57	11.72	5.41	2.87	5.26
2015	Total Responses (number)	551	610	364	436	441	489	2,891
	Reporting Clam Activity (number)	10	14	24	43	24	14	129
	Reporting Clam Activity (%)	1.81	2.30	6.59	9.86	5.44	2.86	4.46
2014	Total Responses (number)	537	509	439	363	444	498	2,790
	Reporting Clam Activity (number)	8	11	30	19	18	11	97
	Reporting Clam Activity (%)	1.50	2.16	6.83	5.23	4.05	2.21	3.48

¹Does not include deceased license holders or invalid addresses.

²Unable to establish a sampling frame in 2023 due to a restructuring of the license holder database.

Table V.9 Number and percent of recreational shellfish surveys reporting crab activity by year.

Year	Survey Metric ¹	Wave						Total
		Jan/Feb	Mar/Apr	May/June	Jul/Aug	Sep/Oct	Nov/Dec	
2023 ²	Total Responses (number)	381	315	311	-	-	-	1,007
	Reporting Crab Activity (number)	8	9	48	-	-	-	65
	Reporting Crab Activity (%)	2.10	2.86	15.43	-	-	-	6.45
2022	Total Responses (number)	374	349	357	350	362	374	2,166
	Reporting Crab Activity (number)	7	13	59	47	52	9	187
	Reporting Crab Activity (%)	1.87	3.72	16.53	13.43	14.36	2.41	8.63
2021	Total Responses (number)	371	366	304	282	324	436	2,083
	Reporting Crab Activity (number)	10	37	68	55	46	18	234
	Reporting Crab Activity (%)	2.70	10.11	22.37	19.50	14.20	4.13	11.23
2020	Total Responses (number)	469	445	332	360	377	414	2,397
	Reporting Crab Activity (number)	12	21	81	92	82	23	311
	Reporting Crab Activity (%)	2.56	4.72	24.40	25.56	21.75	5.56	12.97
2019	Total Responses (number)	436	370	334	344	384	418	2,286
	Reporting Crab Activity (number)	16	28	57	80	51	28	260
	Reporting Crab Activity (%)	3.67	7.57	17.07	23.26	13.28	6.70	11.37
2018	Total Responses (number)	472	391	378	111	388	438	2,178
	Reporting Crab Activity (number)	10	15	70	23	41	19	178
	Reporting Crab Activity (%)	2.12	3.84	18.52	20.72	10.57	4.34	8.17
2017	Total Responses (number)	491	447	377	230	416	443	2,404
	Reporting Crab Activity (number)	7	27	68	61	41	19	223
	Reporting Crab Activity (%)	1.43	6.04	18.04	26.52	9.86	4.29	9.28
2016	Total Responses (number)	459	435	431	367	444	487	2,623
	Reporting Crab Activity (number)	11	26	61	78	58	15	249
	Reporting Crab Activity (%)	2.40	5.98	14.15	21.25	13.06	3.08	9.49
2015	Total Responses (number)	551	610	364	436	441	489	2,891
	Reporting Crab Activity (number)	10	28	50	90	60	24	262
	Reporting Crab Activity (%)	1.81	4.59	13.74	20.64	13.61	4.91	9.06
2014	Total Responses (number)	537	509	439	363	444	498	2,790
	Reporting Crab Activity (number)	11	20	73	53	57	10	224
	Reporting Crab Activity (%)	2.05	3.93	16.63	14.60	12.84	2.01	8.03

¹Does not include deceased license holders or invalid addresses.

²Unable to establish a sampling frame in 2023 due to a restructuring of the license holder database.

Table V.10 Number and percent of recreational shellfish surveys reporting oyster activity by year.

Year	Survey Metric ¹	Wave						Total
		Jan/Feb	Mar/Apr	May/Jun	Jul/Aug	Sep/Oct	Nov/Dec	
2023 ²	Total Responses (number)	381	315	311	-	-	-	1,007
	Reporting Oyster Activity (number)	17	9	0	-	-	-	26
	Reporting Oyster Activity (%)	4.46	2.86	0.00	-	-	-	2.58
2022	Total Responses (number)	374	349	357	350	362	374	2,166
	Reporting Oyster Activity (number)	9	12			2	12	35
	Reporting Oyster Activity (%)	2.41	3.44	0.00	0.00	0.55	3.21	1.62
2021	Total Responses (number)	371	366	304	282	324	436	2,083
	Reporting Oyster Activity (number)	8	7			6	11	32
	Reporting Oyster Activity (%)	2.16	1.91	0.00	0.00	1.85	2.52	1.54
2020	Total Responses (number)	469	445	332	360	377	414	2,397
	Reporting Oyster Activity (number)	6	2	0	1	9	11	29
	Reporting Oyster Activity (%)	1.28	0.45	0.00	0.28	2.39	2.66	1.21
2019	Total Responses (number)	436	370	334	344	384	418	2,286
	Reporting Oyster Activity (number)	15	6	0	2	10	17	50
	Reporting Oyster Activity (%)	3.44	1.62	0.00	0.58	2.60	4.07	2.19
2018	Total Responses (number)	472	391	378	111	388	438	2,178
	Reporting Oyster Activity (number)	13	12	0	0	5	10	40
	Reporting Oyster Activity (%)	2.75	3.07	0.00	0.00	1.29	2.28	1.84
2017	Total Responses (number)	491	447	377	230	416	443	2,404
	Reporting Oyster Activity (number)	17	11	1	1	5	16	51
	Reporting Oyster Activity (%)	3.46	2.46	0.27	0.43	1.20	3.61	2.12
2016	Total Responses (number)	459	435	431	367	444	487	2,623
	Reporting Oyster Activity (number)	17	6	0	1	7	15	46
	Reporting Oyster Activity (%)	3.70	1.38	0.00	0.27	1.58	3.08	1.75
2015	Total Responses (number)	551	610	364	436	441	489	2,891
	Reporting Oyster Activity (number)	11	3	1	0	8	18	41
	Reporting Oyster Activity (%)	2.00	0.49	0.27	0.00	1.81	3.68	1.42
2014	Total Responses (number)	537	509	439	363	444	498	2,790
	Reporting Oyster Activity (number)	11	5	1	1	5	14	37
	Reporting Oyster Activity (%)	2.05	0.98	0.23	0.28	1.13	2.81	1.33

¹ Does not include deceased license holders or invalid addresses.

²Unable to establish a sampling frame in 2023 due to a restructuring of the license holder database.

Table V.11 Recreational shellfish effort and catch (in numbers) for Hard Clam (estimates based on mail survey).

Year	Wave	Total		Total		Total		Total	
		Effort	PSE Effort	Clam Harvest	PSE Harvest	Clam Release	PSE Release	Clam Catch	PSE Total Catch
2023 ¹	Jan/Feb	104	100.00	1,724	91.32	0	0.00	1,724	91.32
	Mar/Apr	227	29.68	1,345	100.00	1,345	100.00	2,691	100.00
	May/June	257	100.00	6,386	57.69	1,248	50.83	7,634	56.22
	Jul/Aug	-	-	-	-	-	-	-	-
	Sep/Oct	-	-	-	-	-	-	-	-
	Nov/Dec	-	-	-	-	-	-	-	-
	Total	588	12.96	9,455	44.66	2,594	57.32	12,049	43.99
2022	Jan/Feb	280	39.11	6,215	62.99	2,027	83.16	8,242	59.72
	Mar/Apr	347	14.90	3,300	81.29	1,293	100.00	4,593	85.86
	May/June	655	14.48	19,677	48.19	2,296	51.38	21,973	48.32
	Jul/Aug	964	34.36	7,778	45.64	1,879	46.49	9,657	42.38
	Sep/Oct	681	12.65	5,247	47.21	3,209	68.75	8,456	47.54
	Nov/Dec	0	0	0	0	0	0	0	0
	Total	2,928	12.74	42,216	27.53	10,704	31.83	52,920	26.08
2021	Jan/Feb	0	0	0	0	0	0	0	0
	Mar/Apr	121	0.00	3,884	98.30	44	100.00	3,928	97.22
	May/June	468	15.54	1,801	52.04	55	100.00	1,856	51.13
	Jul/Aug	689	16.55	6,844	58.23	570	100.00	7,414	58.39
	Sep/Oct	212	27.27	2,943	44.96	673	61.04	3,616	45.86
	Nov/Dec	275	39.78	0	0	0	0	0	0
	Total	1,765	27.95	15,471	37.35	1,343	52.67	16,814	36.35
2020	Jan/Feb	275	82.62	272	100.00	0	0.00	272	100.00
	Mar/Apr	992	56.36	1,646	74.40	2,744	100.00	4,390	88.33
	May/June	934	57.52	2,907	43.58	648	45.51	3,555	43.56
	Jul/Aug	2,330	34.21	53,382	37.42	4,364	45.94	57,746	36.80
	Sep/Oct	585	47.97	3,957	43.87	1,555	67.03	5,512	47.31
	Nov/Dec	1,441	100.00	0	0	0	0	0	0
	Total	6,557	28.23	62,164	33.13	9,311	38.50	71,475	31.23
2019	Jan/Feb	254	48.17	1,370	70.97	507	70.53	1,877	70.77
	Mar/Apr	621	74.19	195	100.00	0	0	195	100.00
	May/June	881	54.08	45,458	88.10	833	69.43	46,291	86.55
	Jul/Aug	1,906	34.35	51,820	39.29	11,637	43.37	63,457	39.51
	Sep/Oct	735	40.75	11,937	51.24	1,477	53.38	13,414	51.31
	Nov/Dec	692	72.83	3,261	78.94	543	100.00	3,804	81.34
	Total	5,089	21.71	114,041	39.95	14,997	34.88	129,038	37.25
2018	Jan/Feb	436	66.59	7,091	58.86	818	74.41	7,909	59.60
	Mar/Apr	250	52.32	2,599	70.77	338	100.00	2,936	71.50
	May/June	626	56.32	3,999	90.79	1,143	88.38	5,142	90.25
	Jul/Aug	328	42.34	4,266	54.10	1,413	44.95	5,679	49.96
	Sep/Oct	611	65.98	2,708	70.55	2,346	66.70	5,054	66.28
	Nov/Dec	111	68.31	6,107	79.12	1,480	70.06	7,587	76.05
	Total	2,362	27.01	26,770	30.44	7,538	30.97	34,307	29.28

¹Unable to establish a sampling frame in 2023 due to a restructuring of the license holder database.

Table V.11 Recreational shellfish effort and catch (in numbers) for Hard Clam (estimates based on mail survey) (continued).

Year	Wave	Total Effort	PSE Effort	Total Clam Harvest	PSE Harvest	Total Clam Release	PSE Release	Total Clam Catch	PSE Total Catch
2017	Jan/Feb	254	38.30	10,675	58.66	1,779	58.66	12,455	58.52
	Mar/Apr	486	46.02	9,111	62.54	2,203	58.38	11,314	60.83
	May/June	1,161	33.39	37,706	40.14	7,429	41.15	45,134	39.00
	Jul/Aug	346	57.75	4,283	49.47	1,456	45.18	5,740	47.45
	Sep/Oct	752	32.85	11,880	36.21	5,023	36.70	16,903	35.50
	Nov/Dec	437	45.41	1,516	80.21	233	100.00	1,749	82.37
	Total	3,436	17.40	75,171	24.12	18,123	22.15	93,295	23.02
2016	Jan/Feb	284	50.23	8,955	58.23	1,677	64.70	10,632	58.53
	Mar/Apr	1,661	58.48	16,160	44.05	6,929	48.04	23,089	41.13
	May/June	5,076	37.48	45,420	33.93	6,487	41.51	51,907	32.33
	Jul/Aug	361	32.96	6,498	43.76	1,972	42.01	8,470	40.25
	Sep/Oct	769	43.78	5,887	51.52	2,294	50.55	8,181	46.55
	Nov/Dec	474	54.54	2,848	61.19	449	58.46	3,297	60.68
	Total	8,625	25.55	85,768	21.52	19,808	23.54	105,576	20.02
2015	Jan/Feb	195	77.34	2,433	100.00	0	0	2,433	100.00
	Mar/Apr	645	43.62	992	100.00	0	0	992	100.00
	May/June	1,443	31.74	35,133	44.90	6,040	35.40	41,172	41.17
	Jul/Aug	3,587	19.72	104,911	31.14	33,464	34.65	138,374	31.14
	Sep/Oct	1,270	33.79	13,094	38.96	1,055	43.50	14,149	37.22
	Nov/Dec	497	57.95	9,856	63.46	2,255	55.08	12,112	61.10
	Total	7,637	13.87	166,419	22.75	42,814	28.19	209,232	22.99
2014	Jan/Feb	108	100.00	379	100.00	0	0	379	100.00
	Mar/Apr	129	70.82	978	100.00	0	0	978	100.00
	May/June	2,931	25.38	107,970	31.11	13,873	25.51	121,843	29.40
	Jul/Aug	1,368	41.17	25,053	57.24	1,827	62.56	26,880	55.98
	Sep/Oct	1,691	32.45	20,766	51.14	2,209	56.54	22,976	49.11
	Nov/Dec	98	71.77	7,510	87.88	1,306	78.96	8,816	80.80
	Total	6,325	17.87	162,656	23.98	19,215	21.45	181,872	22.86

Table V.12 Recreational shellfish effort and catch (in numbers) for Blue Crab (estimates based on mail survey).

Year	Wave	Total Effort	PSE Effort	Total Crab Harvest	PSE Total Crab Harvest	Total Crab Release	PSE Total Crab Release	Total Crab Catch	PSE Total Crab Catch
2023 ¹	Jan/Feb	1,045	26.46	11,285	62.84	6,217	51.74	17,502	56.65
	Mar/Apr	967	21.99	74	74.30	199	63.38	273	59.19
	May/June	5,049	17.99	6,322	47.00	7,599	30.44	13,921	36.13
	Jul/Aug	-	-	-	-	-	-	-	-
	Sep/Oct	-	-	-	-	-	-	-	-
	Nov/Dec	-	-	-	-	-	-	-	-
	Total	7,061	13.87	17,681	43.51	14,015	28.39	31,696	35.13
2022	Jan/Feb	268	0.00	1,798	72.39	427	73.52	2,224	72.58
	Mar/Apr	284	17.41	0	0	52	100.00	52	100.00
	May/June	4,090	9.64	15,668	36.64	15,357	22.56	31,025	28.50
	Jul/Aug	4,348	12.91	9,265	31.59	10,062	29.27	19,327	29.17
	Sep/Oct	3,865	10.98	6,471	29.43	9,445	24.07	15,916	22.93
	Nov/Dec	182	33.33	1,941	72.70	2,426	70.50	4,366	70.94
	Total	13,037	7.26	35,143	20.09	37,768	14.41	72,910	16.15
2021	Jan/Feb	541	48.58	3,032	73.38	1,029	58.56	4,060	65.82
	Mar/Apr	2,244	17.60	2,862	65.04	1,650	34.37	4,512	43.47
	May/June	9,409	16.99	15,821	32.15	19,256	25.34	35,077	27.02
	Jul/Aug	6,666	14.61	18,118	41.03	12,236	31.63	30,354	32.88
	Sep/Oct	7,852	39.61	8,101	54.37	6,607	29.19	14,707	41.95
	Nov/Dec	1,113	18.95	743	67.07	1,784	44.67	2,526	46.23
	Total	27,825	17.26	48,675	21.69	42,561	15.83	91,237	17.22
2020	Jan/Feb	1,526	18.13	101	100.00	168	100.00	269	100.00
	Mar/Apr	2,710	28.02	6,037	41.22	4,258	44.84	10,295	39.77
	May/June	6,751	17.14	15,958	27.38	23,502	18.88	39,460	19.52
	Jul/Aug	10,569	20.30	43,462	25.65	37,123	20.47	80,585	20.78
	Sep/Oct	4,245	13.34	11,768	28.89	11,530	21.15	23,298	22.94
	Nov/Dec	1,539	27.73	1,320	50.79	2,161	42.29	3,481	40.04
	Total	27,340	11.83	78,646	16.53	78,742	12.21	157,388	12.89
2019	Jan/Feb	1,003	46.98	1,776	50.90	2,977	44.44	4,753	38.70
	Mar/Apr	1,801	27.08	2,487	44.51	3,269	39.00	5,756	34.39
	May/June	6,884	29.00	27,645	31.12	20,130	23.54	47,775	25.93
	Jul/Aug	6,545	14.16	23,979	23.91	29,117	21.67	53,096	19.25
	Sep/Oct	3,632	17.29	17,308	23.83	15,350	23.12	32,658	22.45
	Nov/Dec	2,135	25.87	8,620	43.49	7,941	46.43	16,561	40.01
	Total	22,000	11.98	81,815	14.68	78,784	12.35	160,599	12.09
2018	Jan/Feb	436	66.50	0	0	0	0	0	0
	Mar/Apr	538	40.99	675	71.91	575	65.60	1,250	68.02
	May/June	9,767	19.96	22,980	25.91	32,787	23.09	55,767	22.39
	Jul/Aug	1,661	23.37	10,759	64.26	9,960	33.34	20,719	46.84
	Sep/Oct	3,123	29.49	13,352	38.83	13,148	39.65	26,501	37.97
	Nov/Dec	1,294	43.98	0	0	554	65.01	554	65.01
	Total	16,819	15.19	47,766	22.26	57,024	17.51	104,791	18.26

¹Unable to establish a sampling frame in 2023 due to a restructuring of the license holder database.

Table V.12 Recreational shellfish effort and catch (in numbers) for Blue Crab (estimates based on mail survey) (continued).

Year	Wave	Total Effort	PSE Effort	Total Crab Harvest	PSE Harvest	Total Crab Release	PSE Release	Total Crab Catch	PSE Total Catch
2017	Jan/Feb	142	73.48	0	0	0	0	0	0
	Mar/Apr	1,426	23.11	3,055	61.28	4,380	40.53	7,435	41.86
	May/June	4,521	13.05	21,326	30.61	21,807	22.09	43,134	24.49
	Jul/Aug	7,716	15.88	26,539	29.75	23,217	20.46	49,756	23.52
	Sep/Oct	2,236	17.70	12,397	33.02	14,181	25.54	26,578	28.00
	Nov/Dec	1,341	33.69	9,328	48.98	4,081	46.87	13,409	46.85
	Total	17,382	10.58	72,645	16.97	67,666	12.21	140,312	13.69
2016	Jan/Feb	1,218	46.35	0	0	0	0	0	0
	Mar/Apr	1,111	28.62	4,696	49.58	3,351	39.78	8,047	39.55
	May/June	5,192	20.85	16,720	26.19	18,446	20.13	35,166	20.97
	Jul/Aug	7,435	14.82	21,722	21.98	41,521	20.11	63,243	19.16
	Sep/Oct	7,537	18.99	40,047	24.69	19,157	20.37	59,204	22.44
	Nov/Dec	832	43.48	1,694	58.19	305	71.95	1,999	58.00
	Total	23,325	9.91	84,879	14.40	82,780	12.31	167,659	11.94
2015	Jan/Feb	760	66.74	0	0	0	0	0	0
	Mar/Apr	2,993	36.13	4,648	44.92	5,897	37.40	10,546	37.32
	May/June	5,182	19.39	22,461	28.75	14,429	24.28	36,890	24.73
	Jul/Aug	10,880	24.32	31,483	29.52	28,123	23.35	59,605	25.07
	Sep/Oct	5,743	28.94	12,309	29.63	8,925	19.55	21,234	23.17
	Nov/Dec	2,405	28.50	686	62.60	2,761	54.50	3,415	50.20
	Total	27,963	35.77	71,587	17.24	60,135	26.46	131,690	17.93
2014	Jan/Feb	335	36.93	0	0	0	0	0	0
	Mar/Apr	1,222	27.63	2,872	48.40	2,322	41.50	5,195	42.95
	May/June	8,477	18.90	25,749	27.02	18,019	21.93	43,768	22.15
	Jul/Aug	5,584	24.88	35,911	44.32	23,067	33.72	58,978	37.12
	Sep/Oct	7,282	15.70	35,882	23.67	23,975	23.39	59,856	21.34
	Nov/Dec	481	38.71	183	100.00	30	100.00	213	100.00
	Total	23,381	11.31	100,597	19.52	67,413	15.71	168,010	16.49

Table V.13 Recreational shellfish effort and catch (bushels) for Eastern Oysters (estimates based on mail survey).

Year	Wave	Total Effort	PSE Effort	Total Oyster Harvest	PSE Harvest	Total Oyster Release	PSE Release	Total Oyster Catch	PSE Total Catch
2023 ¹	Jan/Feb	827	20.17	526	41.17	0	0	526	41.17
	Mar/Apr	734	31.75	605	61.48	0	0	605	61.48
	May/June	0	0	0	0	0	0	0	0
	Jul/Aug	-	-	-	-	-	-	-	-
	Sep/Oct	-	-	-	-	-	-	-	-
	Nov/Dec	-	-	-	-	-	-	-	-
	Total		1,561	19.89	1,132	38.10	0	0.00	1,132
2022	Jan/Feb	737	27.13	0	0	0	0	0	0
	Mar/Apr	945	17.63	226	50.31	0	0	226	50.31
	May/June	0	0	0	0	0	0	0	0
	Jul/Aug	0	0	0	0	0	0	0	0
	Sep/Oct	116	100.00	0	0	0	0	0	0
	Nov/Dec	1,550	53.08	2,142	63.52	0	0	2,142	63.52
	Total		3,348	24.84	2,367	57.83	0	0	2,367
2021 ²	Jan/Feb	0	0	0	0	0	0	0	0
	Mar/Apr	0	0	5	0	0	0	0	0
	May/June	0	0	0	0	0	0	0	0
	Jul/Aug	0	0	0	0	0	0	0	0
	Sep/Oct	0	0	0	0	0	0	0	0
	Nov/Dec	0	0	0	0	0	0	0	0
	Total		0	0	0	0	0	0	0
2020	Jan/Feb	101	100.00	0	0	0	0	0	0
	Mar/Apr	0	0	0	0	0	0	0	0
	May/June	0	0	0	0	0	0	0	0
	Jul/Aug	0	0	0	0	0	0	0	0
	Sep/Oct	220	91.29	200	100.00	0	0	200	100.00
	Nov/Dec	651	36.73	457	43.83	0	0	457	43.83
	Total		972	34.99	657	43.12	0	0	657
2019	Jan/Feb	584	31.00	235	46.78	0	0	235	46.78
	Mar/Apr	0	0	0	0	0	0	0	0
	May/June	0	0	0	0	0	0	0	0
	Jul/Aug	108	100.00	163	100.00	0	0	163	100.00
	Sep/Oct	370	43.23	154	59.66	0	0	154	59.66
	Nov/Dec	611	35.20	329	41.33	0	0	329	41.33
	Total		1,673	21.34	881	29.07	0	0	881
2018	Jan/Feb	764	40.27	82	100.00	0	0	82	100.00
	Mar/Apr	531	42.38	165	60.45	0	0	165	60.45
	May/June	0	0	0	0	0	0	0	0
	Jul/Aug	0	0	0	0	0	0	0	0
	Sep/Oct	48	69.08	24	100.00	0	0	24	100.00
	Nov/Dec	408	42.92	117	59.88	0	0	117	59.88
	Total		1,751	25.18	388	38.36	0	0	388

¹Unable to establish a sampling frame in 2023 due to a restructuring of the license holder database.

²Mail survey was unable to produce an oyster estimate in 2021 due to low response rates.

Table V.13 Recreational shellfish effort and catch (bushels) for Eastern Oysters (estimates based on mail survey) (continued).

Year	Wave	Total Effort	PSE Effort	Total Oyster Harvest	PSE Harvest	Total Oyster Release	PSE Release	Total Oyster Catch	PSE Total Catch
2017	Jan/Feb	1,331	24.12	1,337	37.17	0	0	1,337	37.17
	Mar/Apr	956	46.60	303	44.62	0	0	303	44.62
	May/June	0	0	0	0	0	0	0	0
	Jul/Aug	0	0	0	0	0	0	0	0
	Sep/Oct	0	0	0	0	0	0	0	0
	Nov/Dec	829	41.15	392	44.05	0	0	392	44.05
	Total	3,116	22.63	2,033	26.92	0	0	2,033	26.92
2016	Jan/Feb	669	30.46	411	41.87	0	0	411	41.87
	Mar/Apr	113	68.47	36	85.76	0	0	36	85.76
	May/June	0	0	0	0	0	0	0	0
	Jul/Aug	0	0	0	0	0	0	0	0
	Sep/Oct	0	0	0	0	0	0	0	0
	Nov/Dec	2,157	29.52	884	46.51	0	0	884	46.51
	Total	2,940	27.29	1,331	33.74	0	0	1,331	33.74
2015	Jan/Feb	487	35.88	487	43.81	0	0	487	43.81
	Mar/Apr	0	0	0	0	0	0	0	0
	May/June	0	0	0	0	0	0	0	0
	Jul/Aug	0	0	0	0	0	0	0	0
	Sep/Oct	327	73.47	39	100.00	0	0	39	100.00
	Nov/Dec	508	40.95	161	48.58	0	0	161	48.58
	Total	1,322	28.63	686	33.76	0	0	686	33.76
2014	Jan/Feb	271	48.17	108	78.95	0	0	108	78.95
	Mar/Apr	0	0	0	0	0	0	0	0
	May/June	0	0	0	0	0	0	0	0
	Jul/Aug	0	0	0	0	0	0	0	0
	Sep/Oct	0	0	0	0	0	0	0	0
	Nov/Dec	641	29.72	442	44.41	0	0	442	44.41
	Total	912	31.33	550	39.09	0	0	550	39.09

Appendix V.1

Primary and secondary waterbodies.

North Carolina Waterbodies

<u>Albemarle Sound</u> Alligator River Batchelor Bay Big Flatty Creek Bull Bay Edenton Bay Little River North River Scuppernong River Swan Bay Taylor Bay Yeopim River	<u>Croatan Sound</u> Manns Harbor	<u>North River (Carteret)</u>	<u>Roanoke Sound</u> Broad Creek Kitty Hawk Bay Shallowbag Bay
	<u>Currituck Sound</u> Above Narrows Below Narrows Coinjock Bay Knotts Island Bay	<u>Davis Bay</u> Goose Bay Muddy Creek North River Thorofare The Straits Ward Creek	<u>Shalotte River</u> Gibbs Creek Little Shalotte River
<u>Bay River</u> Bonner Bay Fishermen Bay Rockhole Bay Trent Creek Vandemere Creek	<u>Little River</u> Bonaparte Creek Calabash Creek Eastern Channel Ocean Isle Canals	<u>Pasquotank River</u> Little Flatty Creek Newbegun Creek	<u>Stump Sound</u> Alligator Bay Thomas Landing Mill Creek
<u>Bogue Sound</u> Bogue Inlet Broad Creek Deer Creek Gales Creek Hoop Pole Creek Money Isle Peletier Creek Spooners Creek Tar Landing Bay Turning Basin	<u>Lockwood Folly</u> Spring Branch	<u>Pamlico River</u> Bath Creek Blounts Bay Blounts Creek Broad Creek Durham Creek Goose Creek North Creek South Creek St. Clairs Creek	<u>Topsail Sound</u> Virginia Creek Topsail Creek Elmore Inlet
<u>Cape Fear River</u> Bald Head Brunswick River Buzzard Bay Cedar Creek Dutchman Creek Elizabeth River First Bay Northeast Cape River Second Bay	<u>Masonboro Sound</u> Banks Channel Carolina Beach Basin Carolina Beach Inlet Johns Creek Mason Inlet Masonboro Channel Masonboro Inlet Rich Inlet	<u>Pamlico Sound</u> Abel Bay Caffee Bay Deep Bay Deep Cove East Bluff Bay Far Creek Germantown Bay Jones Bay Juniper Bay Long Shoal River Mouse Harbor Oyster Creek Rose Bay Spencer Bay Striking Bay Swan Quarter Bay West Bluff Bay Wysocking Bay	<u>White Oak River</u>
<u>Chowan River</u> Meherrin River	<u>Neuse River</u> Adams Creek Beard Creek Broad Creek Clubfoot Creek Dawson Creek Goose Creek Hancock Creek N. of Core Creek Bridge Slocum Creek South River Swan Creek Trent River Turnagain Bay Upper Broad Creek		If the waterbody that you used most often was the Intracoastal Waterway - please indicate the ICW and the county when filling out the survey form.
<u>Core Sound</u> Back Bay Back Sound Barry Bay Cedar Island Bay Jarrett Bay Middle Marshes Nelson Bay Oyster Creek Styron Bay Thorofare Bay	<u>New River</u> Chadwick Bay Courthouse Bay Farnell Bay Morgan Bay Stones Bay	<u>Pungo River</u> Fortescue Creek Jordan Creek Pantego Creek Pungo Creek Satterthwaite Creek Slade Creek Wrights Creek	Intracoastal Waterway Brunswick County
	<u>Newport River</u> Calico Creek Core Creek Haystacks S. of Core Creek Bridge Taylor Creek Town Creek	<u>Roanoke River</u> Broad Creek Eastmost River Middle River	Intracoastal Waterway Carteret County
			Intracoastal Waterway Craven County
			Intracoastal Waterway New Hanover County
			Intracoastal Waterway Onslow County
			Intracoastal Waterway Pender County
			Atlantic Ocean (north of Cape Hatteras)
			Atlantic Ocean (south of Cape Hatteras)

North Carolina Division of Marine Fisheries
Saltwater Recreational Cast Net/Seine Survey

Survey Recipient Name
 Address Line 1
 Address Line 2
 Survey PIN: Customer ID #

If your name or mailing address (to the left) is incorrect,
 please fill in the correct information below.

Name	
Address	
City	
State	Zip

General Survey Information

If you purchased a Lifetime License from the Wildlife Resource Commission (WRC) *prior to January 1, 2007* do you saltwater fish?

- Yes No This question does not apply to me.

How would you *prefer* to receive future communications from the Division of Marine Fisheries?
 (choose only one)

- Postal mail Internet No preference

Email address: _____

Cast net/Seine Participation Information

- Check here if you **did not** use saltwater recreational cast nets or seines during the period of **(bi-monthly dates)**. (If you used a cast net/seine for bait fish, please report activity on the next page.)

If you *do not* use saltwater cast net/seines and **will not do so in the future**, please check the reason why:

- Never used cast net/seine Other (please explain): _____

Please verify your address is correct and return the survey with the envelope provided.
 We appreciate your time in helping us learn more about the catch and efforts of our cast net/seine angling community. Please feel free to write any questions, comments, or suggestions below.

**If you have cast net/seine activity to report for the period of
(bi-monthly dates),
 please complete the survey questions on the next page.**

Trip Information

Please answer the following questions **only for saltwater recreational cast net/seine trips** that occurred during the period of **(bi-monthly dates)** in North Carolina.

Which do you use most often? (choose only one)

- Cast net Seine Use both equally

How many trips did you participate in? _____

On a typical trip, how many people were involved (yourself included)? _____

What is the average amount of time you spent using a cast net or seine during each trip? _____
(round to the nearest half or whole hour)

What point of access did you typically use? (choose only one)

- Water access at residence Beach/bank/shore
 Public boat ramp (WRC or municipal facility): Ramp name _____
 Marina/ramp: Ramp name _____
 Access at public pier: Pier name _____

If you used a cast net(s) during these trips, what size(s) did you use (in feet)? (circle all that apply)

- 5 6 7 8 9 10 11 12 N/A

If you used a seine during these trips, what is the average length seine you used (in feet)? _____

North Carolina county most often fished using a cast net and/or seine: _____

Waterbody most often accessed using a cast net and/or seine: _____
(Please refer to the waterbody list on the back of your cover letter.)

Catch Information (including bait fish)

If you used a **saltwater cast net and/or seine RECREATIONALLY** during the period of **(bi-monthly dates)** in North Carolina waters, please complete the table below based on those experiences. Do not include any species caught by commercial or hook and line activity. Only list species caught in your cast net/seine.

Species	Total number used as BAIT	Total number kept for eating	Total number DISCARDED* (not used for bait or eating)	
			Alive	Dead

Thank you for your time and participation.

North Carolina Division of Marine Fisheries
Recreational Flounder Gigging Survey

Survey Recipient Name
Address Line 1
Address Line 2
Survey PIN: Customer ID #

If your name or mailing address (to the left) is incorrect, please fill in the correct information below.

Name	
Address	
City	
State	Zip

General Survey Information

If you purchased a Lifetime License from the Wildlife Resource Commission (WRC) *prior to January 1, 2007* do you saltwater fish?

Yes No This question does not apply to me.

How would you *prefer* to receive future communications from the Division of Marine Fisheries? (choose only one)

Postal mail Internet No preference

Email address: _____

Do you recreationally harvest crabs? Yes No

Do you recreationally harvest clams, oysters, or scallops? Yes No

Do you recreationally use a cast net or seine? Yes No

Gigging Participation Information

Check here if you did **not** participate in flounder gigging during the period of **(bi-monthly dates)**. (If you did participate in flounder gigging, please report activity on the next page.)

If you *do not* flounder gig and **will not gig in the future**, please check the reason why:

Never gigged Other (please explain): _____

Please verify your address is correct and return the survey with the envelope provided.

We appreciate your time in helping us learn more about the catch and efforts of our flounder gigging community. Please feel free to write any questions, comments, or suggestions below.

**If you have gigging activity to report for the period of
(bi-monthly dates),
please complete the survey questions on the next page.**

Trip Information

Please answer the following questions **only for gigging trips** that occurred during the period of **(bi-monthly dates)** in North Carolina.

How many trips did you participate in? _____

On a typical trip, how many people went gigging (yourself included)? _____

What is the average amount of time you spent gigging per trip? _____
(round to the nearest half or whole hour)

What point of access did you typically use? (choose only one)

- Water access at residence
- Beach/bank/shore
- Private boat ramp
- Public boat ramp (WRC or municipal facility): Ramp name _____
- Marina/ramp: Ramp name _____

What was your typical method of gigging? (choose only one)

- Poling
- Walking/wading
- Trolling motor
- Other _____

North Carolina county most often gigged for flounder: _____

Waterbody most often gigged for flounder: _____
(Please refer to the waterbody list on the back of your cover letter.)

Catch Information

If you **RECREATIONALLY** gigged during the period of **(bi-monthly dates)** in North Carolina waters, please complete the table below based on those experiences. Do not include commercial or hook and line activity. You should only include information on fish captured while gigging (including those species other than flounder).

Species (list other species below)	Total number kept	Total pounds kept (optional)	Total number thrown back
flounder			

Thank you for your time and participation.

**North Carolina Division of Marine Fisheries
Recreational Crab and Shellfish Harvesting Survey**

Survey Recipient Name
Address Line 1
Address Line 2
Survey PIN: Customer ID #

If your name or mailing address (to the left) is incorrect, please fill in the correct information below.

Name	
Address	
City	
State	Zip

General Survey Information

If selected, how would you *prefer* to complete future surveys? (choose only one)

Postal mail Internet No preference

Email address: _____

In addition to your Coastal Recreational Fishing License (CRFL), what other licenses do you have? (check all that apply)

- Recreational Commercial Gear License (RCGL)
 Standard Commercial Fishing License (SCFL)
 Retired Standard Commercial Fishing License (RSCFL)
 Shellfish License (a license that allows any North Carolina resident to harvest commercial amounts of shellfish without purchasing a SCFL)

Crab and Shellfish Harvest Participation Information

- Check here if you did **not** attempt to harvest any crabs, oysters, and clams in North Carolina during the period of **(bi-monthly dates)**. (If you harvested any crabs, oysters, and/or clams, please report activity on the next page.)

Please verify your address is correct and return the survey with the envelope provided.

We appreciate your time in helping us learn more about the catch and efforts of our recreational crab and shellfish harvesting community. Please feel free to write any questions, comments, or suggestions below.

**If you attempted to harvest crabs and/or shellfish in North Carolina for the period of
(bi-monthly dates),
please complete the survey questions on the next page.**

Recreational Crab and Shellfish Harvesting Survey

BLUE CRABS		I did not go crabbing from (bi-monthly dates) <input type="checkbox"/>	
Trip Information		Catch Information for BLUE CRABS	
What is the average amount of time you spent <u>crabbing</u> per trip? (hours) _____		Total number kept	Total number thrown back
On a typical trip, how many people went <u>crabbing</u> ? (yourself included) _____	Total number of <u>crabbing</u> trips made during this time period. _____	What gears did you use for <u>crabbing</u> ? (Choose all that apply)	
		<input type="checkbox"/> Handline/Chicken necking <input type="checkbox"/> Gig <input type="checkbox"/> Hook & line <input type="checkbox"/> Collapsible trap <input type="checkbox"/> Pot <input type="checkbox"/> Other (please list): _____	
What point of access did you typically use for <u>crabbing</u> ? (Choose only one)			
<input type="radio"/> Beach/bank/shore <input type="radio"/> Public boat ramp (WRC or municipal facility): Ramp name _____ <input type="radio"/> Private boat ramp <input type="radio"/> Water access at residence <input type="radio"/> Marina/ramp: Ramp name _____			
North Carolina county most often fished for <u>crabs</u> : _____			
Waterbody most often fished for <u>crabs</u> : _____			
(REFER TO WATERBODY LIST ON THE BACK OF YOUR COVER LETTER)			

CLAMS		I did not go clamming from (bi-monthly dates) <input type="checkbox"/>	
Trip Information		Catch Information for CLAMS	
What is the average amount of time you spent <u>clamming</u> per trip? (hours) _____		Total number kept	Total number thrown back
On a typical trip, how many people went <u>clamming</u> ? (yourself included) _____	Total number of <u>clamming</u> trips made during this time period. _____	What gears did you use for <u>clamming</u> ? (Choose all that apply)	
		<input type="checkbox"/> Hand <input type="checkbox"/> Rake <input type="checkbox"/> Tongs <input type="checkbox"/> Other (please list): _____	
What point of access did you typically use for <u>clamming</u> ? (Choose only one)			
<input type="radio"/> Beach/bank/shore <input type="radio"/> Public boat ramp (WRC or municipal facility): Ramp name _____ <input type="radio"/> Private boat ramp <input type="radio"/> Water access at residence <input type="radio"/> Marina/ramp: Ramp name _____			
North Carolina county most often fished for <u>clams</u> : _____			
Waterbody most often fished for <u>clams</u> : _____			
(REFER TO WATERBODY LIST ON THE BACK OF YOUR COVER LETTER)			

Recreational Crab and Shellfish Harvesting Survey

OYSTERS	I did not go oystering from <u>(bi-monthly dates)</u> <input type="checkbox"/>
Trip Information	Catch Information for OYSTERS
What is the average amount of time you spent <u>oystering</u> per trip? (hours) _____	Total number of whole or half bushels kept (a 5 gallon bucket = about ½ bushel)
On a typical trip, how many people went <u>oystering</u> ? (yourself included) _____	What gears did you use for <u>oystering</u>? (Choose all that apply) <input type="checkbox"/> Hand <input type="checkbox"/> Rake <input type="checkbox"/> Tongs <input type="checkbox"/> Other (please list): _____
Total number of <u>oystering</u> trips made during this time period. _____	
What point of access did you typically use for <u>oystering</u> ? (Choose only one) <input type="radio"/> Beach/bank/shore <input type="radio"/> Public boat ramp (WRC or municipal facility): Ramp name _____ <input type="radio"/> Private boat ramp <input type="radio"/> Water access at residence <input type="radio"/> Marina/ramp: Ramp name _____	
North Carolina county most often fished for <u>oysters</u> : _____	
Waterbody most often fished for <u>oysters</u> : _____ (REFER TO WATERBODY LIST ON THE BACK OF YOUR COVER LETTER)	

Thank you for your time and participation.

Chapter VI: FISHERIES ECONOMICS

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PROGRAM NARRATIVE

North Carolina's marine fishery resources are economically and socially important to many of the state's residents, visitors, and coastal communities. These resources support commercial and recreational fisheries that provide an important source of employment, income, recreation, and food. This chapter contains information showing the economic importance of coastal commercial and recreational fisheries in North Carolina, as well as indicators of how these industries are changing over time. This is not meant to be comprehensive of all economic data on state fisheries, but rather a summary of data available for some of the most economically important coastal fishery resources in the state.

Since 1999, the North Carolina Division of Marine Fisheries (NCDMF) has regularly initiated studies in response to the need for economic and social information on North Carolina's fisheries. These studies have included a series of economic and social analyses of the state's recreational fisheries for both marine and anadromous species as well as commercial fisheries occurring in the Atlantic Ocean, Albemarle Sound, Pamlico Sound, Core Sound, and the southern region of the state from Beaufort Inlet to the South Carolina state line. Results from the most recent versions of these studies are used in the socioeconomic sections of state fishery management plans as well as NCDMF's economic impact model for coastal commercial and recreational fishing. The economic impacts presented include output impacts, income impacts, and job impacts. Output impacts represent the total economic output of industry production and business sales while income impacts reflect wages, salaries, and self-employment income. Output impacts and income impacts should not be added, as this would result in double counting. Job estimates represent both full-time and part-time employment positions. All economic impacts represent effects taking place strictly within the state economy of North Carolina.

The NCDMF Fisheries Economics Program sources data from the NCDMF Trip Ticket Program, NCDMF Coastal Angling Program, the National Marine Fisheries Service (NMFS), North Carolina Wildlife Resources Commission Portal Access to Wildlife Systems (NCWRC PAWS) program, as well as survey responses collected from North Carolina recreational and commercial fishing participants and seafood dealers. Data for the tables on commercial fishing are derived from information provided by the NCDMF Trip Ticket Program and use ex-vessel value. Ex-vessel value is the estimated dollar value of commercial harvest during the original transfer of a seafood product from the harvester to the dealer. Data for the tables on recreational fishing are derived from information provided by the NCDMF Coastal Angling Program which includes data from the NMFS Marine Recreational Information Program (MRIP).

The Commercial Fishing Economic Impact Model

The economic impact estimates presented represent those of commercial seafood harvesters, dealers, wholesalers, and retailers and are calculated via the NCDMF commercial fishing economic impact model, last updated September 2022. These estimates are a product of IMPLAN economic impact modeling software, customized with data from NCDMF and economic multipliers originating from the National Oceanic and Atmospheric Administration (NOAA)

Fisheries Commercial Fishing and Seafood Industry Input/Output Model (NOAA 2019; IMPLAN 2018). Commercial landings data from the NCDMF Trip Ticket Program are used as the primary input along with data from North Carolina commercial fishermen and seafood dealers collected during surveys that have been carried out by the NCDMF Fisheries Economics Program (Crosson 2007, 2009, 2010a; Hadley and Crosson 2010; Hadley and Wiegand 2014; Stemle and Wiegand A&B 2017; Stemle and Wiegand 2018). Economic impact estimates for the commercial harvesting and seafood dealer sectors are derived from NCDMF data, while estimates for seafood wholesalers and retailers originate from multipliers found within the NMFS model.

The Coastal Recreational Fishing Economic Impact Model

The economic activity associated with the North Carolina coastal recreational fishing industry is calculated via the NCDMF coastal recreational fishing economic impact model as updated September 2022. The economic impact estimates presented for coastal recreational fishing represent the economic activity generated by both trip expenditures and durable goods expenditures. These estimates are a product of economic data originating from the NOAA Fisheries coastal recreational fishing economic impact estimates for durable goods expenditures and IMPLAN economic impact modeling software input with data from NCDMF for trip expenditures (Gentner and Steinback 2008; Lovell and Steinback 2013). To calculate recreational fishing trip expenditures, the NCDMF coastal recreational fishing economic impact model uses effort data by area (inshore, offshore, onshore) and by mode (i.e., shore, for-hire, private/rental vessel, and man-made) that are derived from the NOAA Fisheries MRIP. These data are combined with angler trip expenditure data collected from North Carolina recreational anglers during surveys that have been carried out by the NCDMF Fisheries Economics Program and North Carolina Sea Grant to provide estimated total coastal recreational fishing trip expenditures (Dumas et al. 2009; Crosson 2010b; Hadley 2012; Stemle 2018). Economic activity estimates for recreational fishing trip expenditures are derived from NCDMF data, while estimates for recreational fishing durable goods expenditures originate from the NMFS model.

The Central Southern Management Area (CSMA) Recreational Fishing Impact Model

The NCDMF has been surveying recreational anglers in several of the major coastal river basins of the central and southern portions of eastern North Carolina since 2004. The focus of these surveys has been gathering catch, effort, demographic, and economic information from anglers targeting anadromous species such as Striped Bass, American Shad, and Hickory Shad. This region, encompassing the Pamlico/Tar River Basin, Neuse River, and Cape Fear River, is referred to as the Central Southern Management Area (CSMA) by NCDMF. The CSMA creel survey was originally designed to gather data on the recreational Striped Bass fisheries occurring in the region; however, American Shad and Hickory Shad were included in the survey estimates beginning in 2012. In 2013, the Cape Fear River was added to the list of coastal river systems for this survey.

To estimate the economic impacts of fishing activity occurring in these coastal river basins, IMPLAN software was used and input with total estimated angler trip expenditures that were calculated based on data collected from anglers in each river basin respectively each year during the CSMA Creel Survey. These expenditures are grouped into categories for lodging, food, ice, bait, boat fuel and oil, and vehicle fuel. Trip expenditures for angling parties were broken down into overall mean expenses per angler hour. Mean trip expenditures were then multiplied by the total estimated angler hours in each river system to provide the estimated total expense per expenditure category.

Once total expenditures were estimated, they were input into IMPLAN software under the appropriate sector to provide the estimated economic impacts generated by the recreational fishing activity examined. These impacts demonstrated large variability annually, which was primarily attributed to changes in survey responses regarding lodging. As lodging constitutes a higher per-trip expenditure than other categories, years that more respondents claim lodging costs, as well as years that fewer respondents specifically note “zero” lodging costs, correlated to higher economic impacts. This variability may be a valid indicator of expenditures annually but may also be a result of implicit survey bias.

Economic Relief Programs

Fisheries in North Carolina provide large annual benefits and services to the state. Each sector relies on the health of North Carolina’s marine and estuarine resources, which is variable over time. The health of the natural resources is vulnerable to biological and environmental changes that can result in unexpected losses in all fishing sectors. In the face of industry shocks, the Division works with federal and state resources to administer funds that support fishing communities. Historically, relief programs have supported communities after large storm events, during industry shocks, and during health emergencies. Since 2018, the Division has received and administered over twenty-five million dollars in relief funds to stakeholders. The Division continues to monitor, seek out resources, and work with state and federal partners to best support the state’s natural resources and all stakeholders that rely on them.

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Table VI.1 Top five commercial species ranked by ex-vessel value of landings.

2023			2022		2021	
Rank	Species	Ex-Vessel Value	Species	Ex-Vessel Value	Species	Ex-Vessel Value
1	Blue Crabs, Hard	\$18,176,907	Blue Crabs, Hard	\$13,476,343	Shrimp, White	\$21,106,430
2	Shrimp, White	\$9,356,589	Tunas	\$7,181,432	Blue Crabs, Hard	\$20,553,734
3	Oysters	\$7,044,819	Oysters	\$6,686,923	Oysters	\$6,904,315
4	Tunas	\$6,335,141	Shrimp, White	\$5,635,855	Flounder, Summer	\$5,775,613
5	Shrimp, Brown	\$4,572,195	Flounder, Summer	\$4,785,310	Tunas	\$5,570,357

2020			2019		2018	
Rank	Species	Ex-Vessel Value	Species	Ex-Vessel Value	Species	Ex-Vessel Value
1	Blue Crabs, Hard	\$19,093,928	Blue Crabs, Hard	\$22,221,353	Blue Crabs, Hard	\$17,298,274
2	Shrimp, White	\$18,855,745	Shrimp, White	\$19,049,181	Shrimp, Brown	\$11,199,482
3	Oysters	\$4,553,647	Flounder, Summer	\$7,292,375	Shrimp, White	\$8,571,111
4	Tunas	\$4,092,785	Oysters	\$4,889,462	Flounder, Summer	\$6,893,316
5	Flounder, Summer	\$3,753,777	Tunas	\$3,440,754	Tunas	\$4,334,561

2017			2016		2015	
Rank	Species	Ex-Vessel Value	Species	Ex-Vessel Value	Species	Ex-Vessel Value
1	Shrimp, White	\$20,628,755	Blue Crabs, Hard	\$20,738,636	Blue Crabs, Hard	\$29,607,419
2	Blue Crabs, Hard	\$17,767,075	Shrimp, White	\$19,744,034	Shrimp, Brown	\$10,528,437
3	Shrimp, Brown	\$8,544,145	Shrimp, Brown	\$8,385,036	Flounder, Summer	\$9,092,495
4	Flounder, Summer	\$6,354,888	Flounder, Summer	\$8,238,721	Shrimp, White	\$6,228,725
5	Flounder, Southern	\$5,663,116	Oysters	\$4,091,155	Clams, Hard	\$5,038,973

2014		
Rank	Species	Ex-Vessel Value
1	Blue Crabs, Hard	\$29,954,723
2	Shrimp, Brown	\$10,326,997
3	Flounder, Summer	\$8,225,282
4	Flounder, Southern	\$4,839,672
5	Oysters	\$4,544,236

Table VI.2 Top five commercial non-fish species ranked by ex-vessel value of landings.

2023			2022		2021	
Rank	Species	Ex-Vessel Value	Species	Ex-Vessel Value	Species	Ex-Vessel Value
1	Blue Crabs, Hard	\$18,176,907	Blue Crabs, Hard	\$13,476,343	Shrimp, White	\$21,106,430
2	Shrimp, White	\$9,356,589	Oysters	\$6,686,923	Blue Crabs, Hard	\$20,553,734
3	Oysters	\$7,044,819	Shrimp, White	\$5,635,855	Oysters	\$6,904,315
4	Shrimp, Brown	\$4,572,195	Shrimp, Brown	\$4,350,692	Shrimp, Brown	\$3,485,781
5	Blue Crabs, Peeler	\$1,479,474	Blue Crabs, Soft	\$1,210,514	Blue Crabs, Soft	\$1,753,965

2020			2019		2018	
Rank	Species	Ex-Vessel Value	Species	Ex-Vessel Value	Species	Ex-Vessel Value
1	Blue Crabs, Hard	\$19,093,928	Blue Crabs, Hard	\$22,221,353	Blue Crabs, Hard	\$17,298,274
2	Shrimp, White	\$18,855,745	Shrimp, White	\$19,049,181	Shrimp, Brown	\$11,199,482
3	Oysters	\$4,553,647	Oysters	\$4,889,462	Shrimp, White	\$8,571,111
4	Shrimp, Brown	\$3,341,642	Shrimp, Brown	\$2,970,105	Oysters	\$3,834,874
5	Clams, Hard	\$901,525	Blue Crabs, Peeler	\$1,237,065	Clams, Hard	\$1,627,998

2017			2016		2015	
Rank	Species	Ex-Vessel Value	Species	Ex-Vessel Value	Species	Ex-Vessel Value
1	Shrimp, White	\$20,628,755	Blue Crabs, Hard	\$20,738,636	Blue Crabs, Hard	\$29,607,419
2	Blue Crabs, Hard	\$17,767,075	Shrimp, White	\$19,744,034	Shrimp, Brown	\$10,528,437
3	Shrimp, Brown	\$8,544,145	Shrimp, Brown	\$8,385,036	Shrimp, White	\$6,228,725
4	Oysters	\$5,634,893	Oysters	\$4,091,155	Clams, Hard	\$5,038,973
5	Blue Crabs, Soft	\$2,791,960	Clams, Hard	\$2,578,120	Oysters	\$3,936,572

2014		
Rank	Species	Ex-Vessel Value
1	Blue Crabs, Hard	\$29,954,723
2	Shrimp, Brown	\$10,326,997
3	Oysters	\$4,544,236
4	Shrimp, White	\$3,483,015
5	Clams, Hard	\$2,866,096

Table VI.3 Top five commercial finfish species ranked by ex-vessel value of landings.

2023			2022		2021	
Rank	Species	Ex-Vessel Value	Species	Ex-Vessel Value	Species	Ex-Vessel Value
1	Tunas	\$6,335,141	Tunas	\$7,181,432	Flounder, Summer	\$5,775,613
2	Flounder, Summer	\$3,462,012	Flounder, Summer	\$4,785,310	Tunas	\$5,570,357
3	Mackerel, King	\$1,697,230	Mullet, Striped	\$2,119,221	Mackerel, Spanish	\$1,846,682
4	Mackerel, Spanish	\$1,452,310	Seatrout, Spotted	\$1,712,414	Seatrout, Spotted	\$1,758,261
5	Kingfishes	\$1,408,415	Mackerel, Spanish	\$1,584,313	Flounder, Southern	\$1,446,558

2020			2019		2018	
Rank	Species	Ex-Vessel Value	Species	Ex-Vessel Value	Species	Ex-Vessel Value
1	Tunas	\$4,092,785	Flounder, Summer	\$7,292,375	Flounder, Summer	\$6,893,316
2	Flounder, Summer	\$3,753,777	Tunas	\$3,440,754	Tunas	\$4,334,561
3	Mackerel, Spanish	\$1,479,165	Flounder, Southern	\$3,078,601	Flounder, Southern	\$3,823,767
4	Mackerel, King	\$1,469,914	Mackerel, King	\$1,570,680	Croaker, Atlantic	\$1,638,449
5	Kingfishes	\$1,445,430	Snappers	\$1,566,839	Bass, Black Sea	\$1,518,224

2017			2016		2015	
Rank	Species	Ex-Vessel Value	Species	Ex-Vessel Value	Species	Ex-Vessel Value
1	Flounder, Summer	\$6,354,888	Flounder, Summer	\$8,238,721	Flounder, Summer	\$9,092,495
2	Flounder, Southern	\$5,663,116	Flounder, Southern	\$3,618,196	Flounder, Southern	\$3,823,788
3	Tunas	\$5,092,398	Tunas	\$3,220,820	Tunas	\$2,916,113
4	Bass, Black Sea	\$1,863,116	Croaker, Atlantic	\$2,216,211	Croaker, Atlantic	\$1,646,361
5	Mackerel, Spanish	\$1,384,682	Bass, Black Sea	\$1,346,245	Bass, Black Sea	\$1,366,822

2014		
Rank	Species	Ex-Vessel Value
1	Flounder, Summer	\$8,225,282
2	Flounder, Southern	\$4,839,672
3	Tunas	\$3,647,436
4	Swordfish	\$2,109,549
5	Croaker, Atlantic	\$1,865,595

Table VI.4 Top five commercial gears ranked by ex-vessel value of landings.

2023			2022		2021	
Rank	Gear	Ex-Vessel Value	Gear	Ex-Vessel Value	Gear	Ex-Vessel Value
1	Crab Pot	\$19,157,853	Crab Pot	\$14,033,446	Shrimp Trawl	\$24,774,617
2	Shrimp Trawl	\$13,421,795	Shrimp Trawl	\$9,722,311	Crab Pot	\$21,615,731
3	Longline	\$5,931,738	Longline	\$7,283,332	Gill net (anchored)	\$7,920,218
4	Gill net (anchored)	\$5,258,477	Gill net (anchored)	\$6,250,357	Flounder Trawl	\$6,376,097
5	Gill net (runaround)	\$4,460,468	Flounder Trawl	\$4,985,985	Longline	\$5,503,229

2020			2019		2018	
Rank	Gear	Ex-Vessel Value	Gear	Ex-Vessel Value	Gear	Ex-Vessel Value
1	Shrimp Trawl	\$21,525,000	Crab Pot	\$22,781,208	Shrimp Trawl	\$19,464,120
2	Crab Pot	\$19,538,099	Shrimp Trawl	\$21,736,744	Crab Pot	\$17,820,105
3	Gill net (anchored)	\$7,293,220	Flounder Trawl	\$8,234,946	Flounder Trawl	\$7,988,145
4	Longline	\$4,535,268	Gill net (anchored)	\$7,206,321	Gill net (anchored)	\$7,578,891
5	Flounder Trawl	\$4,316,834	Longline	\$4,126,437	Longline	\$4,490,229

2017			2016		2015	
Rank	Gear	Ex-Vessel Value	Gear	Ex-Vessel Value	Gear	Ex-Vessel Value
1	Shrimp Trawl	\$28,611,977	Shrimp Trawl	\$27,265,534	Crab Pot	\$30,439,358
2	Crab Pot	\$18,259,040	Crab Pot	\$21,603,396	Shrimp Trawl	\$16,231,808
3	Gill net (anchored)	\$9,256,529	Flounder Trawl	\$9,096,175	Flounder Trawl	\$10,047,329
4	Flounder Trawl	\$7,720,079	Gill net (anchored)	\$8,680,345	Gill net (anchored)	\$8,066,377
5	Longline	\$5,404,919	Longline	\$4,975,314	Longline	\$4,715,705

2014		
Rank	Gear	Ex-Vessel Value
1	Crab Pot	\$31,254,003
2	Shrimp Trawl	\$13,918,366
3	Gill net (anchored)	\$9,439,547
4	Flounder Trawl	\$9,016,925
5	Longline	\$6,706,582

Table VI.5 Top five North Carolina counties ranked by ex-vessel value of commercial landings.

2023			2022		2021	
Rank	County	Ex-Vessel Value	County	Ex-Vessel Value	County	Ex-Vessel Value
1	Dare	\$20,273,193	Dare	\$21,000,573	Dare	\$22,593,918
2	Carteret	\$14,556,960	Carteret	\$13,482,026	Carteret	\$17,674,285
3	Hyde	\$7,618,659	Hyde	\$6,719,026	Pamlico	\$11,050,579
4	Tyrrell	\$5,151,507	Pamlico	\$4,591,467	Hyde	\$8,984,023
5	Pamlico	\$4,385,129	New Hanover	\$3,027,112	Tyrrell	\$4,201,310

2020			2019		2018	
Rank	County	Ex-Vessel Value	County	Ex-Vessel Value	County	Ex-Vessel Value
1	Dare	\$18,790,150	Dare	\$19,823,927	Dare	\$19,271,530
2	Carteret	\$16,770,078	Carteret	\$18,663,688	Carteret	\$16,597,862
3	Pamlico	\$9,157,743	Hyde	\$9,210,140	Hyde	\$10,817,966
4	Hyde	\$8,214,279	Pamlico	\$9,040,913	Pamlico	\$8,051,828
5	Onslow	\$3,536,792	Onslow	\$5,369,638	Onslow	\$3,582,051

2017			2016		2015	
Rank	County	Ex-Vessel Value	County	Ex-Vessel Value	County	Ex-Vessel Value
1	Dare	\$23,683,749	Dare	\$21,279,105	Dare	\$20,975,965
2	Carteret	\$20,669,552	Carteret	\$18,219,584	Carteret	\$18,307,561
3	Hyde	\$12,818,311	Hyde	\$12,864,331	Hyde	\$10,981,681
4	Pamlico	\$9,919,977	Pamlico	\$10,592,524	Pamlico	\$8,503,740
5	Onslow	\$5,794,726	Onslow	\$6,574,507	Onslow	\$6,034,795

2014		
Rank	County	Ex-Vessel Value
1	Dare	\$26,596,445
2	Carteret	\$14,583,443
3	Hyde	\$10,352,880
4	Pamlico	\$6,568,849
5	Camden	\$6,091,805

Table VI.6 Top five North Carolina ports ranked by ex-vessel value of commercial landings.

2023			2022		2021	
Rank	Port	Ex-Vessel Value	Port	Ex-Vessel Value	Port	Ex-Vessel Value
1	Wanchese	\$13,646,290	Wanchese	\$14,472,133	Wanchese	\$14,615,111
2	Morehead City/Beaufort	\$10,612,606	Morehead City/Beaufort	\$9,877,005	Morehead City/Beaufort	\$13,492,394
3	Columbia	\$5,150,957	Engelhard	\$3,786,679	Oriental	\$6,609,354
4	Engelhard	\$4,261,468	Hatteras Island	\$3,291,323	Engelhard	\$5,007,610
5	Wilmington Area	\$3,313,237	Wilmington Area	\$3,016,808	Columbia	\$4,201,310

2020			2019		2018	
Rank	Port	Ex-Vessel Value	Port	Ex-Vessel Value	Port	Ex-Vessel Value
1	Morehead City/Beaufort	\$12,995,772	Morehead City/Beaufort	\$14,317,421	Morehead City/Beaufort	\$13,043,235
2	Wanchese	\$12,106,221	Wanchese	\$12,002,204	Wanchese	\$12,085,306
3	Oriental	\$5,412,251	Engelhard	\$5,175,234	Engelhard	\$5,823,851
4	Engelhard	\$4,966,954	Oriental	\$5,008,613	Oriental	\$4,676,438
5	Hatteras Island	\$3,300,542	Sneads Ferry	\$4,605,861	Swan Quarter	\$4,016,256

2017			2016		2015	
Rank	Port	Ex-Vessel Value	Port	Ex-Vessel Value	Port	Ex-Vessel Value
1	Wanchese	\$16,254,127	Wanchese	\$14,724,895	Morehead City/Beaufort	\$14,187,831
2	Morehead City/Beaufort	\$15,951,459	Morehead City/Beaufort	\$14,486,751	Wanchese	\$13,325,296
3	Engelhard	\$7,611,885	Engelhard	\$7,507,651	Engelhard	\$6,711,463
4	Sneads Ferry	\$4,798,496	Sneads Ferry	\$5,259,819	Shiloh	\$5,343,108
5	Oriental	\$4,686,105	Hobucken/Lowland	\$4,691,929	Columbia	\$4,922,453

2014		
Rank	Port	Ex-Vessel Value
1	Wanchese	\$17,012,857
2	Morehead City/Beaufort	\$10,721,496
3	Engelhard	\$6,750,471
4	Shiloh	\$6,079,732
5	Columbia	\$4,727,104

Table VI.7 Number of commercial fishing participants by range of ex-vessel value of seafood landed.

Range of Ex-Vessel Value	2023		2022	
	Participants	Total Value	Participants	Total Value
\$1-\$499	312	\$69,383	315	\$71,461
\$500-\$999	154	\$111,359	156	\$109,304
\$1,000-\$4,999	467	\$1,228,736	480	\$1,229,256
\$5,000-\$9,999	229	\$1,639,941	244	\$1,750,791
\$10,000-\$24,999	326	\$5,320,676	356	\$5,847,918
\$25,000-\$49,999	207	\$7,432,323	242	\$8,824,968
\$50,000-\$99,999	183	\$13,037,878	186	\$13,272,807
\$100,000-\$249,999	151	\$23,621,522	148	\$21,698,910
\$250,000-\$499,999	45	\$15,834,884	25	\$8,575,734
Over \$500,000	8	\$5,644,329	11	\$7,231,187
Total	2,082	\$73,941,032	2,163	\$68,612,336

Range of Ex-Vessel Value	2021		2020	
	Participants	Total Value	Participants	Total Value
\$1-\$499	331	\$75,683	355	\$76,848
\$500-\$999	151	\$108,979	154	\$115,386
\$1,000-\$4,999	528	\$1,342,847	531	\$1,351,537
\$5,000-\$9,999	249	\$1,794,123	293	\$2,089,010
\$10,000-\$24,999	351	\$5,750,343	370	\$5,916,460
\$25,000-\$49,999	221	\$7,983,095	252	\$9,090,899
\$50,000-\$99,999	203	\$14,195,009	187	\$13,655,387
\$100,000-\$249,999	179	\$27,530,966	149	\$22,202,037
\$250,000-\$499,999	54	\$18,190,477	43	\$15,317,966
Over \$500,000	19	\$12,818,078	12	\$7,714,601
Total	2,286	\$89,789,601	2,346	\$77,530,131

Range of Ex-Vessel Value	2019		2018	
	Participants	Total Value	Participants	Total Value
\$1-\$499	405	\$86,514	447	\$92,054
\$500-\$999	170	\$122,635	218	\$158,134
\$1,000-\$4,999	583	\$1,487,181	575	\$1,502,280
\$5,000-\$9,999	283	\$2,041,983	313	\$2,235,893
\$10,000-\$24,999	386	\$6,232,568	402	\$6,638,205
\$25,000-\$49,999	263	\$9,406,250	237	\$8,385,610
\$50,000-\$99,999	194	\$14,251,722	257	\$18,169,669
\$100,000-\$249,999	191	\$29,039,727	154	\$22,778,382
\$250,000-\$499,999	48	\$16,267,178	44	\$14,946,100
Over \$500,000	12	\$7,906,661	5	\$2,938,785
Total	2,535	\$86,842,419	2,652	\$77,845,113

Table VI.7 Number of commercial fishing participants by range of ex-vessel value of seafood landed. (continued).

Range of Ex-Vessel Value	2017		2016	
	Participants	Total Value	Participants	Total Value
\$1-\$499	470	\$98,601	475	\$102,098
\$500-\$999	227	\$166,305	221	\$158,178
\$1,000-\$4,999	648	\$1,692,765	664	\$1,722,376
\$5,000-\$9,999	338	\$2,478,561	364	\$2,612,970
\$10,000-\$24,999	472	\$7,708,117	456	\$7,277,852
\$25,000-\$49,999	294	\$10,528,184	317	\$11,255,107
\$50,000-\$99,999	249	\$18,126,355	233	\$16,915,232
\$100,000-\$249,999	178	\$26,565,050	191	\$28,507,577
\$250,000-\$499,999	52	\$17,588,765	39	\$13,339,345
Over \$500,000	17	\$11,742,306	16	\$12,281,260
Total	2,945	\$96,695,009	2,976	\$94,171,994

Range of Ex-Vessel Value	2015		2014	
	Participants	Total Value	Participants	Total Value
\$1-\$499	528	\$113,804	601	\$122,308
\$500-\$999	279	\$202,711	242	\$174,569
\$1,000-\$4,999	701	\$1,782,319	732	\$1,859,946
\$5,000-\$9,999	326	\$2,369,123	351	\$2,555,145
\$10,000-\$24,999	461	\$7,615,440	439	\$7,204,381
\$25,000-\$49,999	315	\$11,190,382	308	\$10,999,495
\$50,000-\$99,999	256	\$17,822,811	240	\$17,372,562
\$100,000-\$249,999	217	\$32,280,659	205	\$30,658,841
\$250,000-\$499,999	42	\$13,422,428	46	\$15,461,200
Over \$500,000	12	\$7,966,309	11	\$7,804,722
Total	3,137	\$94,765,987	3,175	\$94,213,171

Table VI.8 Number of commercial seafood dealers by range of ex-vessel value of seafood.

Range of Ex-Vessel Value	2023		2022	
	Dealers	Total Value	Dealers	Total Value
\$1-\$499	52	\$11,748	54	\$12,722
\$500-\$999	28	\$19,243	34	\$24,751
\$1,000-\$4,999	107	\$285,215	94	\$240,981
\$5,000-\$9,999	57	\$410,555	62	\$449,578
\$10,000-\$24,999	77	\$1,179,421	79	\$1,253,820
\$25,000-\$49,999	48	\$1,744,834	42	\$1,511,576
\$50,000-\$99,999	44	\$3,244,460	38	\$2,755,486
\$100,000-\$249,999	46	\$7,230,910	53	\$8,872,052
\$250,000-\$499,999	36	\$12,512,500	26	\$8,701,580
\$500,000-\$999,999	12	\$8,933,302	15	\$9,950,333
Over \$1,000,000	15	\$38,368,842	15	\$34,839,456

Range of Ex-Vessel Value	2021		2020	
	Dealers	Total Value	Dealers	Total Value
\$1-\$499	42	\$8,965	38	\$8,357
\$500-\$999	22	\$16,638	34	\$24,850
\$1,000-\$4,999	98	\$267,336	104	\$277,443
\$5,000-\$9,999	62	\$436,502	68	\$490,702
\$10,000-\$24,999	97	\$1,530,426	84	\$1,261,073
\$25,000-\$49,999	32	\$1,223,415	45	\$1,616,244
\$50,000-\$99,999	32	\$2,262,359	47	\$3,367,271
\$100,000-\$249,999	55	\$8,633,132	53	\$8,663,107
\$250,000-\$499,999	34	\$12,251,895	20	\$7,023,050
\$500,000-\$999,999	18	\$11,806,412	22	\$15,366,216
Over \$1,000,000	20	\$51,352,522	16	\$39,431,818

Range of Ex-Vessel Value	2019		2018	
	Dealers	Total Value	Dealers	Total Value
\$1-\$499	44	\$10,278	53	\$13,149
\$500-\$999	25	\$18,678	27	\$20,362
\$1,000-\$4,999	103	\$282,767	122	\$331,898
\$5,000-\$9,999	68	\$508,412	79	\$584,979
\$10,000-\$24,999	91	\$1,489,773	86	\$1,371,239
\$25,000-\$49,999	39	\$1,309,346	37	\$1,376,051
\$50,000-\$99,999	43	\$3,093,125	38	\$2,651,808
\$100,000-\$249,999	53	\$8,449,811	45	\$7,192,482
\$250,000-\$499,999	23	\$7,674,359	24	\$8,389,345
\$500,000-\$999,999	23	\$16,677,233	17	\$11,852,620
Over \$1,000,000	20	\$47,328,636	19	\$44,061,180

**Table VI.8 Number of commercial seafood dealers by range of ex-vessel value of seafood.
(continued).**

Range of Ex-Vessel Value	2017		2016	
	Dealers	Total Value	Dealers	Total Value
\$1-\$499	40	\$8,196	54	\$12,224
\$500-\$999	24	\$17,061	26	\$18,847
\$1,000-\$4,999	106	\$274,775	110	\$291,129
\$5,000-\$9,999	60	\$438,442	73	\$516,675
\$10,000-\$24,999	103	\$1,688,552	102	\$1,693,237
\$25,000-\$49,999	43	\$1,555,528	62	\$2,280,214
\$50,000-\$99,999	42	\$2,985,671	36	\$2,554,458
\$100,000-\$249,999	44	\$6,967,214	47	\$7,245,656
\$250,000-\$499,999	27	\$9,637,853	23	\$8,442,666
\$500,000-\$999,999	20	\$14,511,606	22	\$15,907,157
Over \$1,000,000	23	\$58,610,112	20	\$55,209,731

Range of Ex-Vessel Value	2015		2014	
	Dealers	Total Value	Dealers	Total Value
\$1-\$499	53	\$11,104	65	\$11,755
\$500-\$999	44	\$32,034	45	\$32,562
\$1,000-\$4,999	114	\$291,595	124	\$324,035
\$5,000-\$9,999	69	\$490,788	68	\$506,777
\$10,000-\$24,999	101	\$1,633,383	94	\$1,528,615
\$25,000-\$49,999	64	\$2,163,205	60	\$2,221,634
\$50,000-\$99,999	48	\$3,169,827	40	\$2,928,728
\$100,000-\$249,999	49	\$7,951,339	39	\$6,252,184
\$250,000-\$499,999	22	\$7,875,565	29	\$10,007,367
\$500,000-\$999,999	23	\$16,071,222	18	\$13,021,607
Over \$1,000,000	23	\$55,075,925	24	\$57,377,907

Table VI.9 Economic impacts of commercial fishing in North Carolina over the last 10 years, 2014-2023. Dollar values are reported in 2023 dollars.

Year	Commercial Fishing Output ¹				Economic Impacts ²		
	Commercial Fishermen	Dealers	Pounds	Ex-Vessel Value (thousands of dollars)	Estimated Jobs ³	Income Impacts (thousands of dollars)	Sales Impacts (thousands of dollars)
2023	2,082	522	42,686,480	\$73,941	4,611	\$93,179	\$229,502
2022	2,163	512	34,969,340	\$71,445	4,848	\$92,552	\$233,572
2021	2,286	512	42,371,956	\$100,968	6,253	\$113,536	\$313,799
2020	2,346	531	42,979,680	\$91,265	5,906	\$95,142	\$268,762
2019	2,535	532	53,101,147	\$103,504	6,762	\$117,224	\$362,446
2018	2,652	547	45,766,379	\$94,462	6,316	\$94,799	\$286,058
2017	2,945	532	54,424,558	\$120,198	7,909	\$127,054	\$406,932
2016	2,976	575	59,995,783	\$119,557	7,779	\$116,817	\$384,166
2015	3,137	610	65,969,598	\$121,836	7,866	\$112,505	\$382,557
2014	3,175	606	62,005,230	\$121,272	8,359	\$114,267	\$405,059

¹As reported by the NCDMF Trip Ticket Program.

²Economic impacts calculated using the NCDMF commercial fishing economic impact model and IMPLAN economic impact modeling software. Economic impact estimates are for the state economy of North Carolina.

³Represents both full-time and part-time jobs.

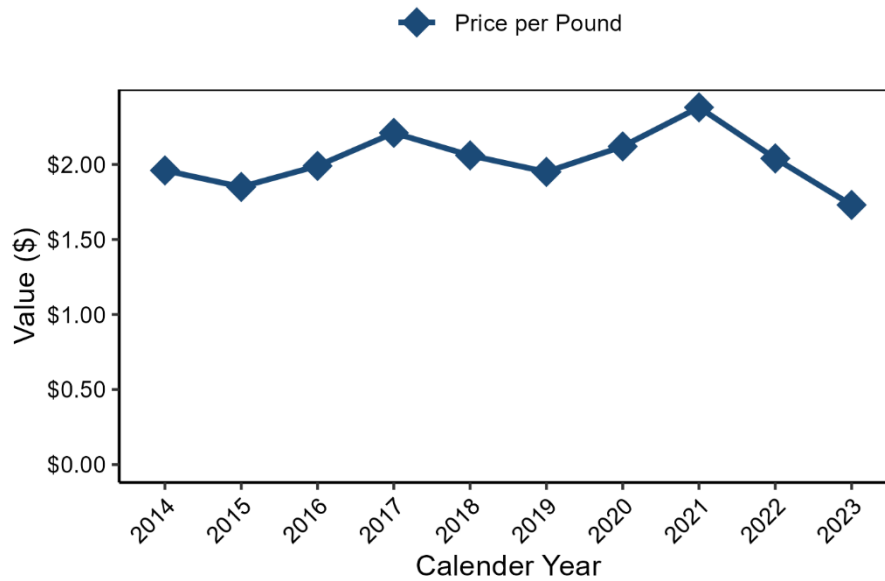


Figure VI.1 Average price per pound of annual commercial landings, converted to 2023 dollars.¹

¹Annual prices converted to 2022 dollars using Federal Reserve Bank of Minneapolis Consumer Price Index value.

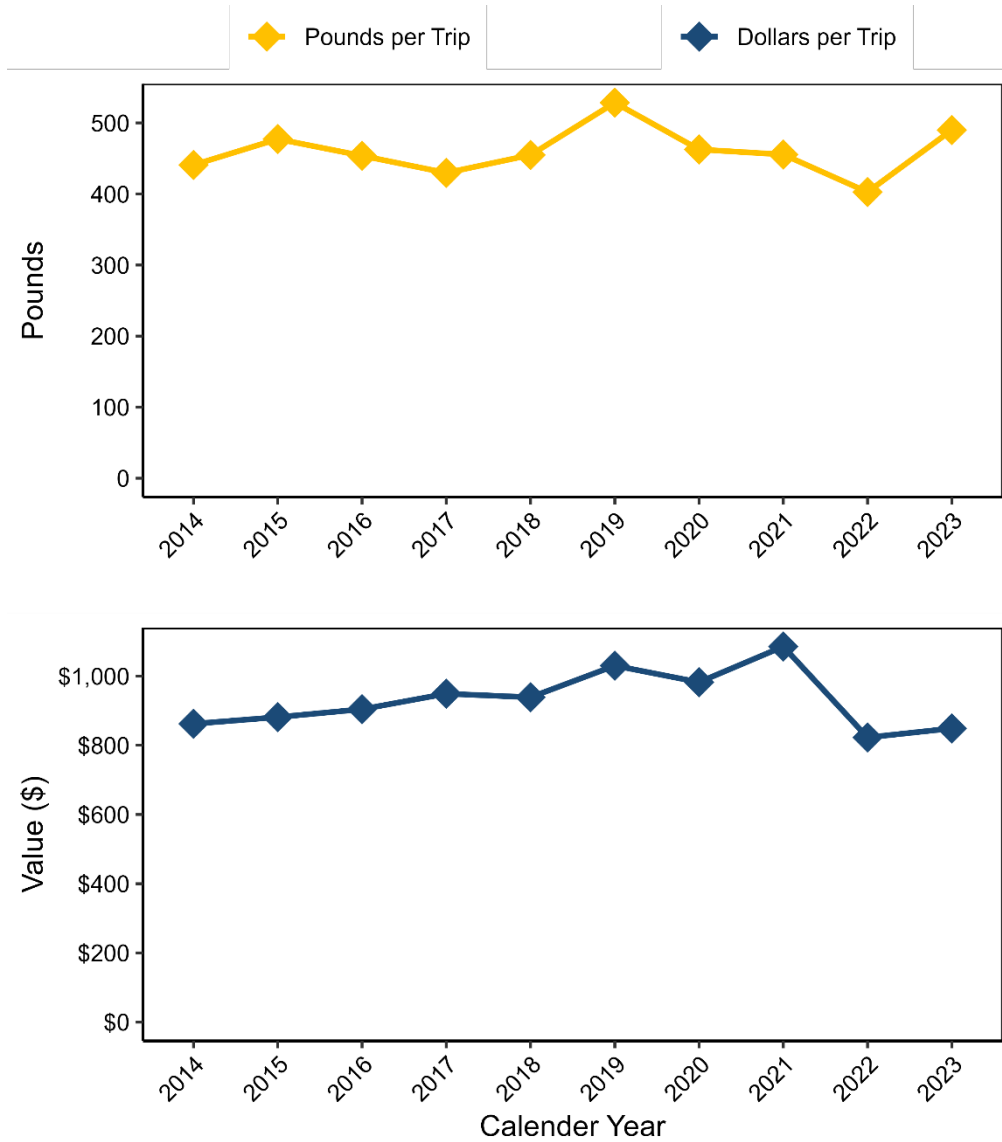


Figure VI.2 Commercial landings per fishing trip by year, 2014–2023.¹

¹Annual prices converted to 2023 dollars using Federal Reserve Bank of Minneapolis Consumer Price Index value.

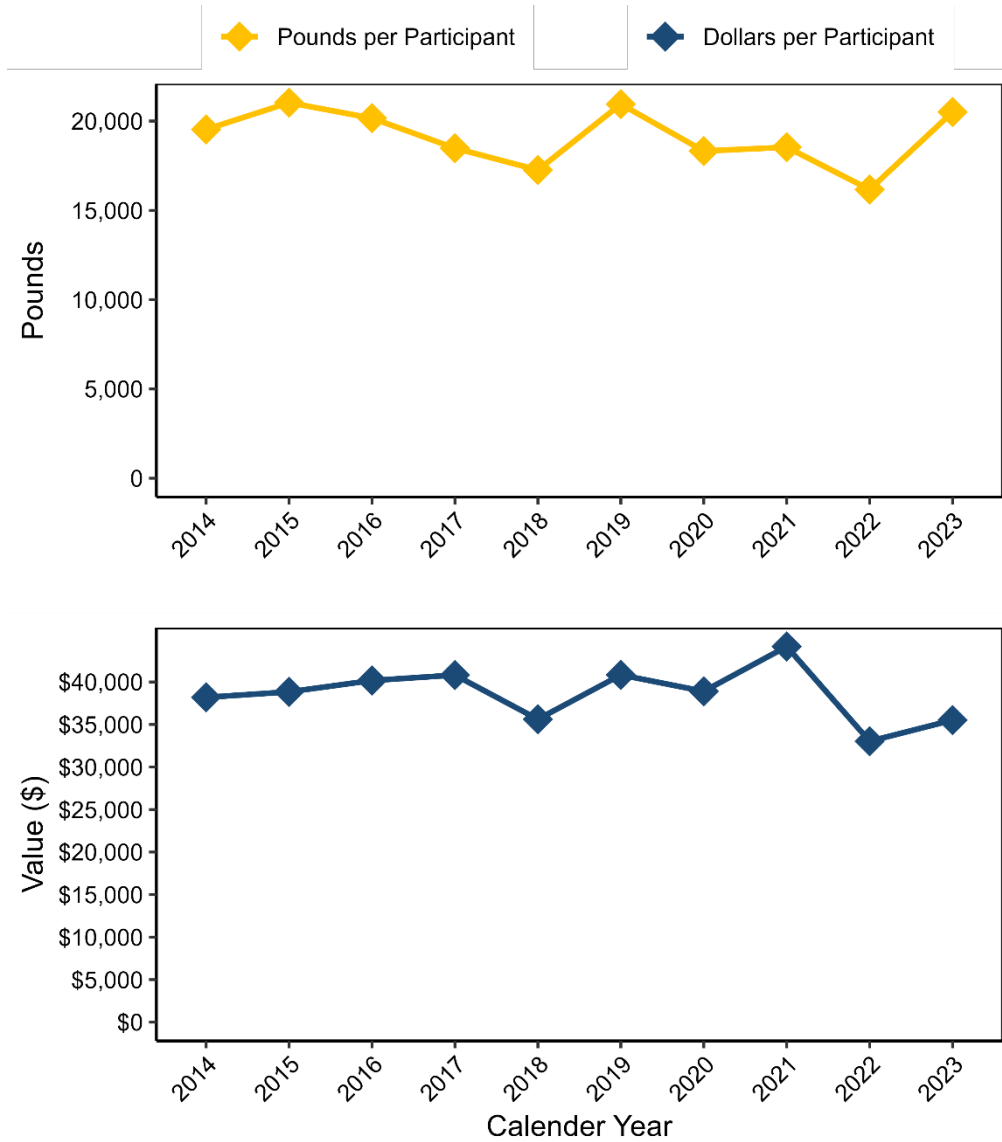


Figure VI.3 Commercial ex-vessel value per participant and vessel by year, 2014–2023.¹

¹Annual prices converted to 2023 dollars using Federal Reserve Bank of Minneapolis Consumer Price Index value.

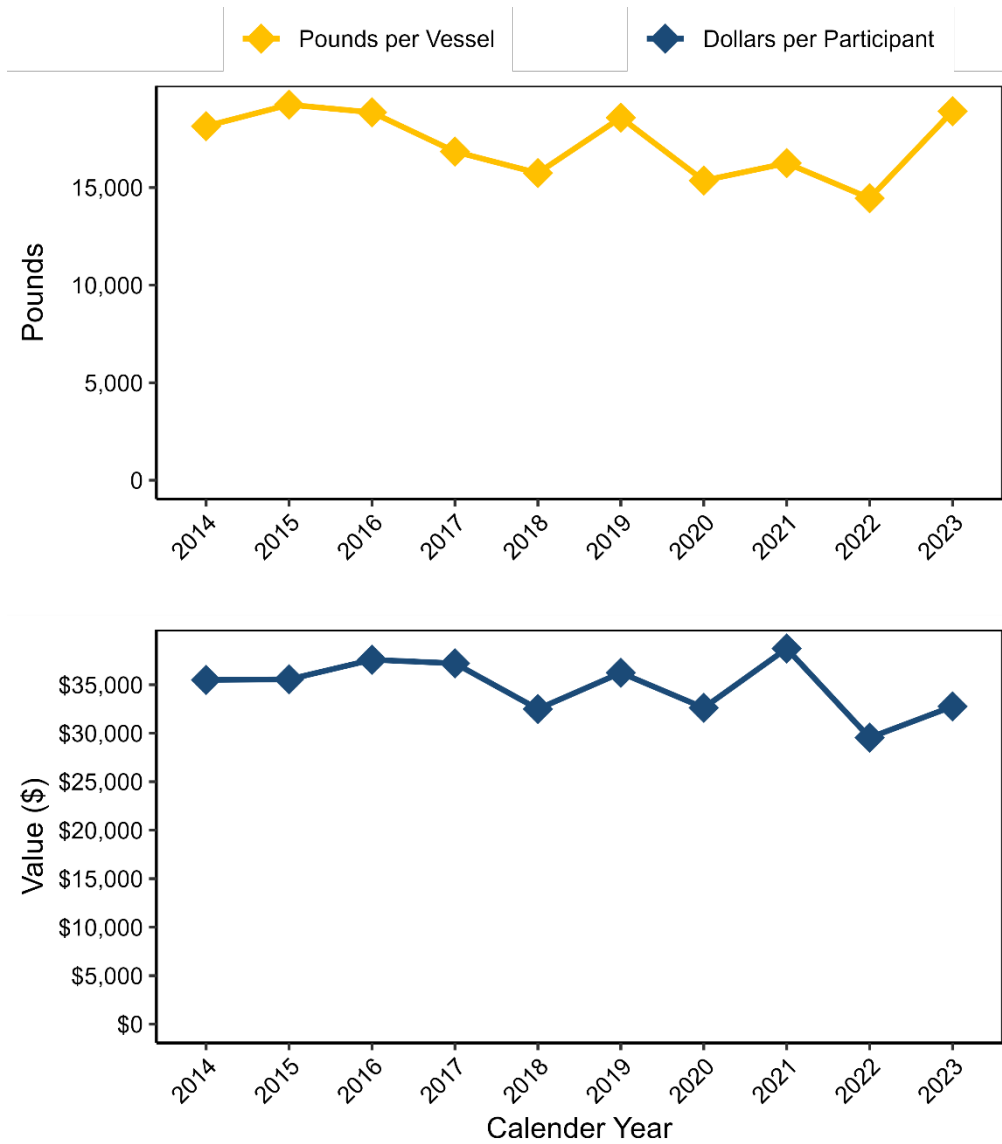


Figure VI.4 Commercial landings per participant and vessel by year, 2004–2023.¹

¹Annual prices converted to 2023 dollars using Federal Reserve Bank of Minneapolis Consumer Price Index value.

Table VI.10 Top five recreational species by total directed and landed fishing trips.

2023			2022		2021	
Rank	Species ^{1,2}	Directed Trips ³	Species ^{1,2}	Directed Trips ³	Species ^{1,2}	Directed Trips ³
1	Drum, Red	2,337,167	Drum, Red	3,549,392	Drum, Red	3,120,360
2	Bluefish	2,190,836	Seatrout, Spotted	3,484,759	Seatrout, Spotted	2,778,386
3	Seatrout, Spotted	2,169,753	Bluefish	3,051,267	Kingfish	2,416,602
4	Kingfish	1,471,614	Kingfish	2,362,388	Croaker, Atlantic	2,167,915
5	Mackerel, Spanish	1,269,590	Croaker, Atlantic	2,096,344	Bluefish	1,803,957

2020			2019		2018	
Rank	Species ^{1,2}	Directed Trips ³	Species ^{1,2}	Directed Trips ³	Species ^{1,2}	Directed Trips ³
1	Drum, Red	3,282,914	Seatrout, Spotted	2,867,512	Drum, Red	3,478,377
2	Seatrout, Spotted	3,215,043	Bluefish	2,699,198	Bluefish	3,031,288
3	Bluefish	2,413,181	Drum, Red	2,687,752	Kingfish	1,660,806
4	Kingfish	2,081,293	Kingfish	2,208,273	Seatrout, Spotted	1,606,853
5	Croaker, Atlantic	1,232,119	Mackerel, Spanish	1,320,690	Croaker, Atlantic	1,093,754

2017			2016		2015	
Rank	Species ^{1,2}	Directed Trips ³	Species ^{1,2}	Directed Trips ³	Species ^{1,2}	Directed Trips ³
1	Drum, Red	4,177,390	Drum, Red	3,591,001	Drum, Red	3,338,696
2	Bluefish	3,607,642	Bluefish	3,215,530	Bluefish	3,304,015
3	Seatrout, Spotted	2,587,553	Kingfishes	2,769,147	Kingfish	2,634,029
4	Kingfish	2,295,765	Seatrout, Spotted	2,397,634	Croaker, Atlantic	2,164,315
5	Croaker, Atlantic	1,529,511	Croaker, Atlantic	1,538,692	Spot	1,694,669

2014		
Rank	Species ^{1,2}	Directed Trips ³
1	Bluefish	2,975,448
2	Drum, Red	2,812,586
3	Kingfish	2,596,146
4	Spot	2,269,868
5	Seatrout, Spotted	2,216,556

¹ Pinfish have been removed from these rankings as they are a non-target recreational species.

² Lefteye-flounder genus, Kingfish genus, and Seatrout genus discards are each decomposed into constituent species by applying the ratio of observed harvest.

³ Directed trip defined as fishing trip in which species was designated as primary or secondary target, or if the species was caught (including both harvest and discards). flounder genus, Kingfish genus, and Seatrout genus discards are each decomposed into constituent species by applying the ratio of observed harvest.

Table VI.11 Top five recreational species by total directed and landed fishing trips in estuarine waters.

2023			2022		2021	
Rank	Species ^{1,2}	Directed Trips ³	Species ^{1,2}	Directed Trips ³	Species ^{1,2}	Directed Trips ³
1	Seatrout, Spotted	1,846,581	Seatrout, Spotted	2,894,492	Seatrout, Spotted	2,260,368
2	Drum, Red	1,332,426	Drum, Red	2,094,559	Drum, Red	1,873,846
3	Bluefish	724,850	Bass, Black Sea	886,583	Croaker, Atlantic	855,958
4	Bass, Black Sea	589,016	Croaker, Atlantic	860,321	Bass, Black Sea	445,403
5	Croaker, Atlantic	574,208	Bluefish	856,896	Kingfish	367,602

2020			2019		2018	
Rank	Species ^{1,2}	Directed Trips ³	Species ^{1,2}	Directed Trips ³	Species ^{1,2}	Directed Trips ³
1	Seatrout, Spotted	2,755,577	Seatrout, Spotted	2,498,240	Seatrout, Spotted	1,050,588
2	Drum, Red	1,757,781	Drum, Red	1,364,573	Drum, Red	1,048,725
3	Croaker, Atlantic	619,576	Bluefish	707,534	Bluefish	588,800
4	Bluefish	585,001	Croaker, Atlantic	643,412	Croaker, Atlantic	525,942
5	Bass, Black Sea	374,615	Spot	376,419	Bass, Striped	444,517

2017			2016		2015	
Rank	Species ^{1,2}	Directed Trips ³	Species ^{1,2}	Directed Trips ³	Species ^{1,2}	Directed Trips ³
1	Seatrout, Spotted	1,941,152	Seatrout, Spotted	1,701,735	Croaker, Atlantic	1,084,200
2	Drum, Red	1,420,593	Drum, Red	1,041,528	Seatrout, Spotted	925,218
3	Bass, Striped	1,052,003	Croaker, Atlantic	725,966	Drum, Red	894,092
4	Bass, Black Sea	704,566	Bass, Black Sea	603,104	Bluefish	685,336
5	Croaker, Atlantic	595,911	Pigfish	599,850	Pigfish	671,730

2014		
Rank	Species ^{1,2}	Directed Trips ³
1	Seatrout, Spotted	1,313,384
2	Drum, Red	1,090,185
3	Croaker, Atlantic	879,970
4	Pigfish	523,608
5	Kingfish	491,588

¹Pinfish have been removed from these rankings as they are a non-target recreational species.

²Lefteye-flounder genus, Kingfish genus, and Seatrout genus discards are each decomposed into constituent species by applying the ratio of observed harvest.

³Directed trip defined as fishing trip in which species was designated as primary or secondary target, or if the species was caught (including both harvest and discards).

Table VI.12 Top five recreational species by total directed and landed fishing trips in ocean waters 0-3 miles from shore.

2023			2022			2021	
Rank	Species ^{1,2}	Directed Trips ³	Species ^{1,2}	Directed Trips ³	Species ^{1,2}	Directed Trips ³	
1	Bluefish	1,438,457	Bluefish	2,160,771	Kingfish	2,046,200	
2	Kingfish	1,243,785	Kingfish	1,948,724	Bluefish	1,432,924	
3	Drum, Red	998,391	Drum, Red	1,450,922	Croaker, Atlantic	1,303,885	
4	Mackerel, Spanish	894,159	Mackerel, Spanish	1,254,087	Drum, Red	1,236,531	
5	Puffers	753,070	Croaker, Atlantic	1,215,467	Mackerel, Spanish	1,008,173	

2020			2019			2018	
Rank	Species ^{1,2}	Directed Trips ³	Species ^{1,2}	Directed Trips ³	Species ^{1,2}	Directed Trips ³	
1	Bluefish	1,807,521	Bluefish	1,951,179	Drum, Red	2,426,857	
2	Kingfish	1,759,122	Kingfish	1,879,740	Bluefish	2,426,040	
3	Drum, Red	1,514,255	Drum, Red	1,316,760	Kingfish	1,430,778	
4	Mackerel, Spanish	879,261	Mackerel, Spanish	1,058,290	Mackerel, Spanish	845,544	
5	Croaker, Atlantic	584,251	Puffers	767,708	Spot	640,020	

2017			2016			2015	
Rank	Species ^{1,2}	Directed Trips	Species ^{1,2}	Directed Trips ³	Species ^{1,2}	Directed Trips ³	
1	Bluefish	3,087,887	Bluefish	2,739,459	Bluefish	2,588,961	
2	Drum, Red	2,752,670	Drum, Red	2,548,646	Drum, Red	2,432,846	
3	Kingfish	1,998,516	Kingfish	2,355,395	Kingfish	2,248,833	
4	Croaker, Atlantic	930,314	Puffers	1,006,934	Spot	1,255,275	
5	Mackerel, Spanish	912,791	Croaker, Atlantic	806,394	Puffers	1,165,173	

2014		
Rank	Species ^{1,2}	Directed Trips ³
1	Bluefish	2,492,082
2	Kingfish	2,104,559
3	Spot	1,834,193
4	Drum, Red	1,704,599
5	Croaker, Atlantic	1,169,286

¹Pinfish have been removed from these rankings as they are a non-target recreational species.

²Lefteye-flounder genus, Kingfish genus, and Seatrout genus discards are each decomposed into constituent species by applying the ratio of observed harvest.

³Directed trip defined as fishing trip in which species was designated as primary or secondary target, or if the species was caught (including both harvest and discards).

Table VI.13 Top five recreational species by directed and landed fishing trips in ocean waters greater than 3 miles from shore.

2023			2022		2021	
Rank	Species ¹	Directed Trips ²	Species ¹	Directed Trips ²	Species ¹	Directed Trips ²
1	Dolphin	163,907	Bass, Black Sea	93,718	Dolphin	136,179
2	Bass, Black Sea	117,906	Dolphin	74,347	Mackerel, King	119,931
3	Snappers	73,002	Mackerel, King	72,547	Bass, Black Sea	103,681
4	Mackerel, King	71,397	Mackerel, Spanish	52,120	Mackerel, Spanish	76,316
5	Grunts	64,020	Grunts	41,066	Sharks	63,074

2020			2019		2018	
Rank	Species ¹	Directed Trips ²	Species ¹	Directed Trips ²	Species ¹	Directed Trips ²
1	Mackerel, King	210,505	Dolphin	166,429	Dolphin	238,032
2	Dolphin	136,945	Mackerel, King	145,351	Mackerel, King	138,980
3	Bass, Black Sea	134,046	Bass, Black Sea	79,414	Bass, Black Sea	108,812
4	Sharks	78,623	Mackerel, Spanish	51,855	Mackerel, Spanish	66,025
5	Mackerel, Spanish	75,643	Sharks	49,804	Tuna, Yellowfin	54,138

2017			2016		2015	
Rank	Species ¹	Directed Trips ²	Species ¹	Directed Trips ²	Species ¹	Directed Trips ²
1	Dolphin	192,020	Dolphin	271,904	Dolphin	304,978
2	Bass, Black Sea	187,885	Tuna, Yellowfin	119,950	Bass, Black Sea	175,705
3	Mackerel, King	118,047	Bass, Black Sea	116,553	Mackerel, King	110,792
4	Tuna, Yellowfin	88,785	Wahoo	83,613	Wahoo	95,921
5	Wahoo	74,666	Mackerel, King	81,702	Mackerel, Spanish	72,406

2014		
Rank	Species ¹	Directed Trips ²
1	Dolphin	167,903
2	Bass, Black Sea	141,084
3	Wahoo	70,998
4	Mackerel, King	69,677
5	Tunny, Little	65,629

¹Shark management groups (small coastal, large coastal, pelagic) have been combined for this ranking.

²Directed trip defined as fishing trip in which species was designated as primary or secondary target, or if the species was caught (including both harvest and discards).

Table VI.14 Top five North Carolina counties ranked by the number of residents holding a Coastal Recreational Fishing License.

2023			2022		2021	
Rank	County	License Holders	County	License Holders	County	License Holders
1	Wake	21,767	Wake	23,146	Wake	25,191
2	Onslow	16,415	Onslow	16,427	Onslow	17,309
3	New Hanover	13,796	New Hanover	14,168	New Hanover	14,758
4	Brunswick	11,939	Brunswick	11,660	Brunswick	11,797
5	Carteret	9,917	Carteret	10,422	Carteret	10,494

2020			2019		2018	
Rank	County	License Holders	County	License Holders	County	License Holders
1	Wake	27,403	Wake	22,700	Wake	21,346
2	Onslow	19,308	Onslow	16,782	Onslow	14,938
3	New Hanover	16,154	New Hanover	14,115	New Hanover	13,203
4	Brunswick	11,573	Brunswick	10,646	Brunswick	9,677
5	Johnston	10,520	Carteret	9,811	Carteret	8,389

2017			2016		2015	
Rank	County	License Holders	County	License Holders	County	License Holders
1	Wake	23,636	Wake	24,030	Wake	23,979
2	Onslow	17,202	Onslow	17,633	Onslow	18,497
3	New Hanover	15,090	New Hanover	15,036	New Hanover	16,042
4	Brunswick	10,791	Brunswick	10,643	Brunswick	11,050
5	Carteret	9,943	Carteret	10,109	Carteret	10,665

2014		
Rank	County	License Holders
1	Wake	24,443
2	Onslow	18,766
3	New Hanover	16,455
4	Brunswick	11,489
5	Carteret	11,187

Table VI.15 Economic impacts of coastal recreational fishing in North Carolina over the last 10 years, 2014-2023. Dollar values are reported in 2023 dollars.

Year	Recreational Fishing Output		Economic Impacts		
	Estimate Direct Expenditures (thousands of dollars) ¹	Estimated Jobs ²	Income Impacts (thousands of dollars) ³	Output Impacts (thousands of dollars) ³	
2023	\$3,910,335	28,898	\$1,422,359	\$3,708,580	
2022	\$4,273,080	30,803	\$1,441,129	\$3,892,937	
2021	\$3,617,469	39,234	\$1,482,117	\$3,732,427	
2020	\$3,334,541	33,009	\$1,234,713	\$3,094,122	
2019	\$3,392,750	32,173	\$1,107,642	\$3,007,455	
2018	\$3,134,149	30,316	\$1,023,675	\$2,755,607	
2017	\$3,769,421	37,972	\$1,200,242	\$3,299,753	
2016	\$3,652,073	39,151	\$1,202,546	\$3,207,869	
2015	\$3,606,367	36,406	\$1,084,800	\$2,911,362	
2014	\$3,430,858	40,709	\$1,155,401	\$3,024,840	

¹Economic impacts calculated using the NCDMF coastal recreational fishing economic impact model and IMPLAN economic impact modeling software. Economic impact estimates are for the state economy of North Carolina.

²Includes full time and part time jobs.

³Estimated expenditures include both durable good expenditures and fishing trip expenditures.

Table VI.16 Economic impacts of recreational fishing in coastal river systems of the Central Southern Management Area (CSMA) in North Carolina. Dollar values are reported in 2023 dollars.

2023			Economic Impacts		
System	Estimated Angler Hours ¹	Estimated Expenditures (thousands of dollars) ²	Estimated Job ³	Income Impacts (thousands of dollars)	Output Impacts (thousands of dollars)
Neuse River	194,139	\$5,746	53	\$2,595	\$7,800
Tar/Pamlico Rivers	239,880	\$5,438	32	\$1,623	\$4,935
Cape Fear River	28,001	\$368	1	\$64	\$196
Total	462,021	\$11,552	87	\$4,282	\$12,931

2022			Economic Impacts		
System	Estimated Angler Hours ¹	Estimated Expenditures (thousands of dollars) ²	Estimated Job ³	Income Impacts (thousands of dollars)	Output Impacts (thousands of dollars)
Neuse River	259,587	\$6,933	60	\$3,024	\$8,936
Tar/Pamlico Rivers	236,038	\$7,540	58	\$2,951	\$8,748
Cape Fear River	18,240	\$354	1	\$64	\$194
Total	513,865	\$14,827	119	\$6,038	17,878

2021			Economic Impacts		
System	Estimated Angler Hours ¹	Estimated Expenditures (thousands of dollars) ²	Estimated Job ³	Income Impacts (thousands of dollars)	Output Impacts (thousands of dollars)
Neuse River	194,139	\$4,474	48	\$2,394	\$5,822
Tar/Pamlico Rivers	239,880	\$5,376	48	\$2,419	\$5,934
Cape Fear River	28,001	\$207	1	\$64	\$172
Total	462,020	\$10,058	97	\$4,877	\$11,928

2020			Economic Impacts		
System	Estimated Angler Hours ¹	Estimated Expenditures (thousands of dollars) ²	Estimated Job ³	Income Impacts (thousands of dollars)	Output Impacts (thousands of dollars)
Neuse River	153,744	\$2,992	30	\$1,597	\$3,887
Tar/Pamlico Rivers	278,144	\$7,398	75	\$3,959	\$9,646
Cape Fear River	4,974	\$57	1	\$9	\$27
Total	436,862	\$10,447	106	\$5,566	\$13,560

2019			Economic Impacts		
System	Estimated Angler Hours ¹	Estimated Expenditures (thousands of dollars) ²	Estimated Job ³	Income Impacts (thousands of dollars)	Output Impacts (thousands of dollars)
Neuse River	257,484	\$3,866	31	\$1,535	\$4,402
Tar/Pamlico Rivers	237,830	\$4,046	30	\$1,501	\$4,311
Cape Fear River	7,956	\$79	1	\$15	\$44
Total	503,270	\$7,991	62	\$3,051	\$8,757

¹Effort estimates as reported by the NCDMF Coastal Angling Program. Neuse and Tar/Pamlico River estimates include a full 12 months of effort, while effort estimates on the Cape Fear River are only available for March through May.

²Estimated fishing trip expenditures based on NCWRC CSMA creel surveys and NCDMF CSMA recreational fishing economic impact model.

³Includes full time and part time jobs.

Table VI.16 Economic impacts of recreational fishing in coastal river systems of the Central Southern Management Area (CSMA) in North Carolina. Dollar values are reported in 2023 dollars. (continued).

2018			Economic Impacts		
System	Estimated Angler Hours ¹	Estimated Expenditures (thousands of dollars) ²	Estimated Job ³	Income Impacts (thousands of dollars)	Output Impacts (thousands of dollars)
Neuse River	162,742	\$2,991	23	\$1,061	\$3,122
Tar/Pamlico Rivers	198,883	\$3,103	20	\$925	\$2,673
Cape Fear River	24,642	\$208	1	\$34	\$87
Total	386,267	\$6,302	44	\$2,019	\$5,883

2017			Economic Impacts		
System	Estimated Angler Hours ¹	Estimated Expenditures (thousands of dollars) ²	Estimated Job ³	Income Impacts (thousands of dollars)	Output Impacts (thousands of dollars)
Neuse River	270,485	\$7,522	75	\$3,313	\$10,442
Tar/Pamlico Rivers	182,534	\$5,810	51	\$2,255	\$6,981
Cape Fear River	11,057	\$94	1	\$15	\$39
Total	464,076	\$13,426	127	\$5,583	\$17,461

2016			Economic Impacts		
System	Estimated Angler Hours ¹	Estimated Expenditures (thousands of dollars) ²	Estimated Job ³	Income Impacts (thousands of dollars)	Output Impacts (thousands of dollars)
Neuse River	210,111	\$1,493	17	\$811	\$2,481
Tar/Pamlico Rivers	245,998	\$2,460	27	\$1,311	\$4,068
Cape Fear River	43,226	\$439	5	\$241	\$734
Total	499,335	\$4,393	49	\$2,364	\$7,282

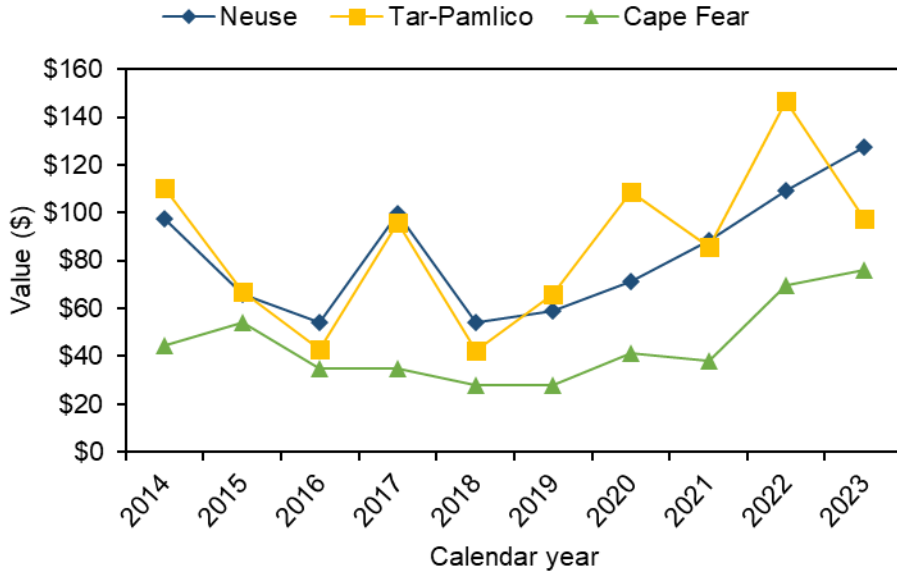
2015			Economic Impacts		
System	Estimated Angler Hours ¹	Estimated Expenditures (thousands of dollars) ²	Estimated Job ³	Income Impacts (thousands of dollars)	Output Impacts (thousands of dollars)
Neuse River	252,140	\$1,291	6	\$333	\$761
Tar/Pamlico Rivers	184,333	\$1,358	11	\$579	\$1,309
Cape Fear River	55,463	\$354	3	\$135	\$320
Total	491,936	\$3,002	20	\$1,047	\$2,390

2014			Economic Impacts		
System	Estimated Angler Hours ¹	Estimated Expenditures (thousands of dollars) ²	Estimated Job ³	Income Impacts (thousands of dollars)	Output Impacts (thousands of dollars)
Neuse River	215,956	\$1,800	13	\$672	\$1,523
Tar/Pamlico Rivers	136,083	\$1,231	8	\$418	\$955
Cape Fear River	28,852	\$191	2	\$89	\$201
Total	380,891	\$3,221	23	\$1,179	\$2,679

¹Effort estimates as reported by the NCDMF Coastal Angling Program. Neuse and Tar/Pamlico River estimates include a full 12 months of effort, while effort estimates on the Cape Fear River are only available for March through May.

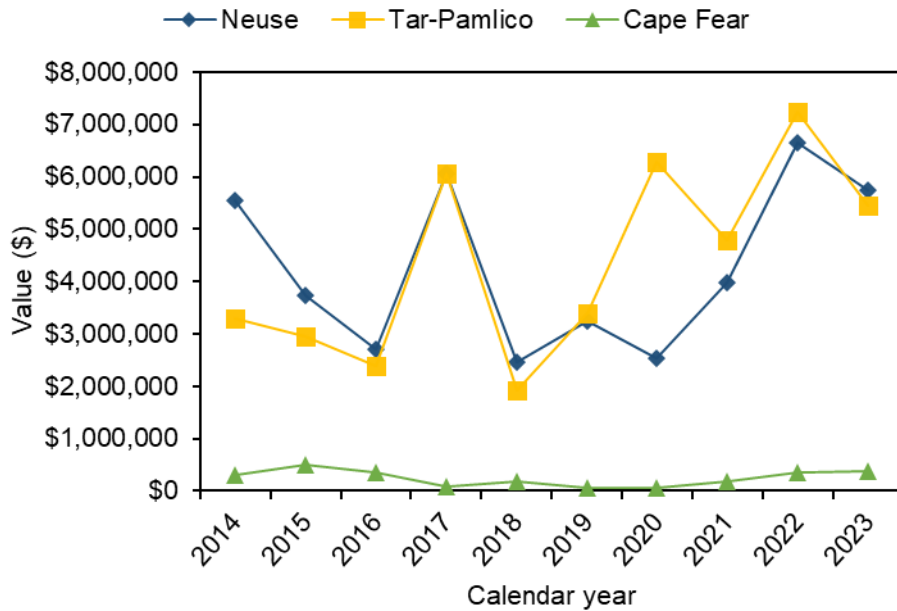
²Estimated fishing trip expenditures based on NCWRC CSMA creel surveys and NCDMF CSMA recreational fishing economic impact model.

³Includes full time and part time jobs.



Note: Estimated fishing trip expenditures based on NCWRC CSMA creel surveys. Expenditure estimates as reported by the NCDMF Coastal Angling Program. Average Neuse and Tar/Pamlico River expenditure estimates include a full 12 months of effort, while estimates on the Cape Fear River are only available for March through May.

Figure VI.5 Average recreational per-trip expenditures across creel survey river systems reported in 2023 dollars.



Note: Estimated fishing trip expenditures based on NCWRC CSMA creel surveys. Expenditure estimates as reported by the NCDMF Coastal Angling Program. Average Neuse and Tar/Pamlico River expenditure estimates include a full 12 months of effort, while estimates on the Cape Fear River are only available for March through May.

Figure VI.6 Total estimated recreational fishing expenditures across creel survey river systems reported in 2023 dollars.