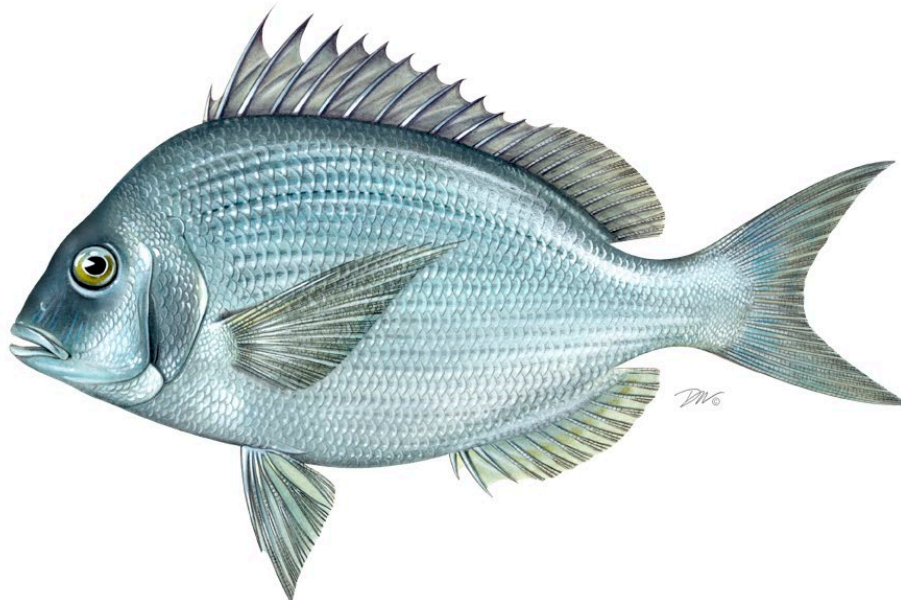


ATLANTIC STATES MARINE FISHERIES COMMISSION
REVIEW OF THE INTERSTATE FISHERY MANAGEMENT PLAN

FOR SCUP
(Stenotomus chrysops)

2022 FISHING YEAR



Prepared by the Plan Review Team
Drafted July 2023



Sustainable and Cooperative Management of Atlantic Coastal Fisheries

2022 Review of the ASMFC Fishery Management Plan for Scup

I. Status of the Fishery Management Plan

States with a declared interest in the Scup Fishery Management Plan (FMP) are Massachusetts, Rhode Island, Connecticut, New York, New Jersey, Delaware, Maryland, Virginia, and North Carolina. The Atlantic States Marine Fisheries Commission's (ASMFC or Commission) Summer Flounder, Scup, and Black Sea Bass Management Board (Board) and the Mid-Atlantic Fishery Management Council (MAFMC or Council) guide plan development. The Summer Flounder, Scup, and Black Sea Bass Technical Committee (TC) addresses technical issues. Industry advice is solicited through the Summer Flounder, Scup, and Black Sea Bass Advisory Panel (AP). Annual review and monitoring are the responsibility of the Scup Plan Review Team (PRT) and new amendments and/or addenda and supporting documentation are prepared by the Plan Development Team (PDT).

Commission management of scup was initiated as one component of a multi-species FMP addressing summer flounder, scup, and black sea bass. The Commission approved the FMP for scup in March 1996. Amendment 12 to the FMP, which established revised overfishing definitions, identification and description of essential fish habitat, and defined the framework adjustment process, was approved by the Commission in October 1998. The management unit for scup in US waters is the western Atlantic Ocean from Cape Hatteras North Carolina northward to the US-Canadian border.

The original FMP included a seven-year plan for reducing fishing effort and restoring the stock. The primary concerns were excessive discarding of scup and near collapse of the stock. Management measures implemented in the first year of the plan (1996) included: dealer and vessel permitting and reporting, 9-inch commercial minimum size, 4-inch mesh restriction for vessels retaining over 4,000 pounds of scup, and a 7-inch recreational minimum size. The biological reference point to define overfishing when the plan was initially developed was F_{MAX} , or $F=0.25$. To allow flexibility in addressing unforeseen conditions in the fishery, the plan contained provisions that allow implementation of time and area closures. The plan also specified the option for changes in the recreational minimum size and bag limit, or implementation of a seasonal closure on an annual basis. The original FMP also implemented an annual coastwide Total Allowable Catch (TAC) limit, effective in 1997, from which an annual commercial quota and recreational harvest limit would be derived.

Addendum 1 to the FMP established the quota management procedure and distribution of the annual coastwide commercial quota. Addendum 1 details the state-by-state quota system for the summer period (May through October) that was implemented in 1997. Each state receives a share of the summer quota based on historical commercial landings from 1983-1992. This Addendum also established *de minimis* status. A state is granted *de minimis* status if the commercial scup summer period landings for the last preceding calendar year are less than 0.1% of the summer period's quota. *De minimis* status allows for minimal allocations equal to 0.1% of the quota for the summer period to these states. The total amount of quota allocated

to these *de minimis* states is subtracted from the summer quota before the remainder is allocated to the other states.

In June 1997, the Commonwealth of Massachusetts filed a lawsuit against the Secretary of Commerce stating that the historical data used to determine the quota shares underestimated the commercial landings of scup. Massachusetts also stated that the resulting quota share discriminated against Commonwealth of Massachusetts residents. On April 27, 1998, the U.S. District Court voided the state-by-state quota allocations for the summer quota period in the federal FMP, and ordered the Secretary of Commerce to promulgate a regulation that sets forth state-by-state quotas in compliance with the National Standards. The Board developed three Emergency Rules to address the quota management during the summer quota period during 1999, 2000, and 2001.

Amendment 12 established a biomass threshold for scup based on the maximum value of the 3-year moving average of the Northeast Fisheries Science Center (NEFSC) spring bottom trawl survey index of spawning stock biomass. The Amendment stipulated that the scup stock was considered overfished when the spawning stock biomass index fell below this value.

Amendment 12 also defined overfishing for scup to occur when the fishing mortality rate exceeded the threshold fishing mortality. Subsequent addenda modified the reference points. In 2002, the Board developed Addendum V to avoid the necessity of developing annual Emergency Rules for summer period quota management. Addendum V established state shares of the summer period quota based on historical commercial landings from 1983-1992, including additional landings from Massachusetts added to the NOAA Fisheries database in 2000. State shares implemented by this addendum will remain in place until the Board takes direct action to change them.

Another significant change to scup management occurred with the approval of Addendum VII in February 2002. This document established a state specific management program for Massachusetts through New York for the 2002 recreational scup fishery based on the average landings (in number of fish) for 1998-2001. Due to the extremely limited data available, the Board developed specific management measures for the states of New Jersey, Delaware, Maryland, Virginia, and North Carolina. The addendum had no application after 2002. The same addendum language was used verbatim to set management measures for the states of Massachusetts through New York for 2003 through Addendum IX.

Addendum XIX, approved in August 2007, broadened the descriptions of stock status determination criteria contained within the Summer Flounder, Scup, and Black Sea Bass FMP to allow for greater flexibility in those definitions, while maintaining objective and measurable criteria for identifying when stocks are overfished. It established acceptable categories of peer-review for stock status determination criteria. When these specific peer-review metrics are met and new or updated information is available, the new or revised stock status determination criteria may be incorporated by the Commission directly into the annual management measures for each species.

Addendum XX sets policies to reconcile quota overages to address minor inadvertent quota overages. It was approved in November 2009. It streamlines the quota transfers process and establishes clear policies and administrative protocols to guide the allocation of transfers from states with underages to states with overages. It also allows for quota transfers to reconcile quota overages after the year's end.

Addendum XXIX was approved by the Board in May 2017. The Addendum shortens the length of the commercial scup summer period and extends the length of the winter II period. The addendum was developed to allow for the better utilization of the commercial quota, which was under-harvested from 2011-2016. Specifically, the change in quota period length allows for higher possession limits for a longer period of time each year, thus increasing the likelihood the commercial fishery will fully harvest the quota. The quota allocation for each period remains unchanged. While Addendum XXIX is a Commission specific document, the Council also took the same action through Framework 10. The new quota periods are the following and were implemented for the 2018 fishing season: Winter 1, January 1-April 30 (120 days); Summer, May 1-September 30 (153 days); Winter II, October 1-December 31 (92 days).

In December 2018, the Commission approved Addendum XXXI through a joint action with the Council. The Board recommended NOAA Fisheries implement regulations to allow transit through federal waters in Block Island Sound for non-federally permitted vessels in possession of summer flounder, scup and black sea bass.

In December 2021, the Board and Council jointly approved changes to the commercial and recreational allocations of summer flounder, scup, and black sea bass. These changes are intended to better reflect the current understanding of the historic proportions of catch and landings from the commercial and recreational sectors. The Board and Council developed this amendment in response to recent changes in how recreational catch is estimated by the Marine Recreational Information Program (MRIP), which resulted in a revised time series of recreational data going back to the 1980s. For scup, the revised catch-based allocations provide a 65% share of the acceptable biological catch to the commercial fishery and a 35% share to the recreational fishery. These new changes became effective January 1, 2023.

In June 2022, the Commission's Interstate Fisheries Management Program Policy Board (Policy Board) and the Council approved Addendum XXXIV and a Council Framework which modified the process for setting recreational measures and made minor modifications to the recreational accountability measures. The new process will give greater consideration to stock status when determining whether recreational measures should be restricted, liberalized, or remain unchanged for the upcoming two years (Table 1). The new process for setting recreational management measures began in 2023 and will sunset no later than the end of 2025 with a goal of implementing an improved process by the beginning of 2026.

While this FMP overview pertains only to joint and Board actions, there are additional Council only actions that are summarized at <https://www.mafmc.org/sf-s-bsb>.

II. Status of the Stock

In June 2023, a new scup management track stock assessment was peer reviewed, and the assessment will be reviewed by the Council's Scientific and Statistical Committee (SSC) in July of 2023¹. The new assessment incorporated data through 2022 and found the stock to be not overfished and overfishing not to be occurring. While not used for management in 2022 and 2023, the new assessment will inform scup management in 2024.

The 2021 Scup Management Track Stock Assessment incorporated data through 2019, and was the most recent stock assessment information that was utilized for specifications for the 2022-2023 fishing years.

The stock was neither overfished nor was overfishing occurring in 2019 relative to the updated biological reference points. Spawning stock biomass (SSB) was estimated to be 176,404 mt in 2019, at 196% of the updated biomass target reference point SSB_{MSY} proxy = $SSB_{40\%}$ = 90,019 mt (Figure 1). Fishing mortality on the fully selected age 4 fish was 0.136 in 2019, which was 68% of the updated fishing mortality threshold reference point F_{MSY} proxy = $F_{40\%}$ = 0.200. $F_{40\%}$ was the rate of fishing that would result in 40% of the spawning potential of an unfished stock.

The average recruitment from 1984 to 2019 was 136 million fish at age 0. The 2015 year class was the largest recorded at 415 million fish. However, recruitment was below average in 2017-2019 with the 2019 year class being the smallest within the time series at 34 million fish (Figure 1). SSB was expected to decrease back down to the target unless more above average year classes recruit to the fishery in the short term.

III. Status of the Fishery

Commercial scup landings experienced a general declining trend from a peak of 21.73 million pounds in 1981 to the time series low of 2.66 million pounds in 2000, according to data pulled from the ACCSP Data Warehouse. Since 2001, commercial landings increased nearly every year to about 17.81 million pounds in 2013. Commercial landings have declined slightly since, subsiding to 12.09 million lb. in 2022, accounting for about 59% of the commercial quota. During 2022, the northern states (Massachusetts through New York) comprised about 78% of the landings. States with the largest share of commercial landings in 2022 were New York (33.3%), Rhode Island (30.0%), New Jersey (20.0%), and Massachusetts (8.79%). Otter trawl is the principal gear, accounting for 40%-90% of commercial landings since 1979 (Table 2).

The recreational fishery for scup is significant, with the greatest proportion of the catches taken in states of Massachusetts through New York. Since 2013, recreational harvest has averaged 47% of total landings (commercial and recreational). From 2013 to 2022, recreational harvest has ranged from 10.00 million lb. in 2016 to 17.36 million lb. in 2022 (Table 3). The total catch

¹ More information about the 2023 Scup Management Track Assessment can be found through the Northeast Fishery Science Center's Stock Assessment Support Information query tool: <https://apps-nefsc.fisheries.noaa.gov/saw/sasi.php>

(harvest plus releases) of scup in 2022 was 36.02 million fish, higher than the ten-year average of 29.86 million fish (Table 4). The assumed discard mortality rate in the recreational fishery is 15%. In 2022, an estimated 67.5% of the harvest (in numbers of fish) originated from private/rental boats, while shore-based anglers and party/charter boats accounted for an average of 24.7% and 7.8% of the harvest, respectively (Figure 2). In addition, 96.5% of scup harvested by recreational fishermen (in numbers of fish) were caught in state waters and about 3.45% in federal waters (Figure 3).

IV. Status of Research and Monitoring

Commercial landings data are collected by the NOAA Fisheries Vessel Trip Report system and by state reporting systems. The NEFSC sea sampling program collects commercial discard information. Biological samples (age, length) from the commercial fishery are collected through the NEFSC weighout system, the observer program, and by the state of North Carolina. Recreational landings and discard information is obtained through MRIP. Fishery-independent abundance indices are available from surveys conducted by the NEFSC, Massachusetts, Rhode Island, Connecticut, New York, New Jersey, Delaware, and the Virginia Institute of Marine Science (VIMS). All surveys, with the exception of Delaware's, are included in the species stock assessment.

V. Status of Management Measures and Developing Issues

Recreational Reform Initiative topics that were agreed upon in December 2022 by the Board and Council for further development include a framework/addenda and amendment, which both began development in 2023.

- The framework/addenda will explore options for a new recreational measure setting process. This new process will serve as a replacement for the Percent Change Approach in Addendum XXXIV after the sunset period, to be in effect for 2026. If the recreational measures setting process is not updated through an addenda/framework or amendment to the Summer Flounder, Scup, and Black Sea Bass and Bluefish FMPs prior to 2026, then the recreational measures setting process will revert back to the processes outlined Addendum XXXII for summer flounder and black sea bass, Addendum XI for scup, and Amendment 1 for bluefish.
- The amendment will consider the following two topics: 1) Options for managing for-hire recreational fisheries separately from other recreational fishing modes (referred to as sector separation), and 2) Options related to recreational catch accounting, such as private angler reporting and enhanced vessel trip report requirements.

Updates on ongoing recreational reform work can be found [here](#).

V. Scup Compliance Criteria

Commercial Fishery

The following management measures are for 2022 and may change annually.

Minimum size of possession: 9" Total Length

Minimum mesh: Otter trawls must have a minimum mesh size of 5” for the first 75 meshes from the terminus of the net and a minimum mesh size of 5” throughout the net for codends constructed with fewer than 75 meshes.

Threshold to trigger minimum mesh requirements: Trawl vessels are subject to the minimum mesh requirements if possessing 1,000 pounds or more of scup from October 1 through April 14, 2,000 pounds or more of scup from April 15 through June 15, and 200 pounds or more of scup from June 16 through September 30.

Maximum roller rig trawl roller diameter: 18”

Pot and trap escape vents: 3.1” round, 2.25” square

Pot and trap degradable fastener provisions: a) untreated hemp, jute, or cotton string 3/16” (4.8 mm) or smaller; b) magnesium alloy timed float releases or fasteners; c) ungalvanized, uncoated iron wire of 0.094” (2.4mm) or smaller

2022 commercial quota: 20.38 million pounds

ASMFC summer quota: 7,938,686 lbs (State by state shares in Table 5)

Winter I and II quotas and landing limits: Winter I = 9,194,201 lbs; 50,000 lb trip limit, 1,000 lbs trip limits when the quota reaches 80%; Winter II = 7,468,343 lbs, 24,000 pounds trip limit (Winter II quota and trip limits were increased from initial amounts by rollover of unused quota from Winter I; Table 6)

The following required measures are not subject to annual adjustment:

Vessel and dealer permitting requirements: States are required to implement a permit for fishermen fishing exclusively in state waters, and for dealers purchasing exclusively from such fishermen. In addition, states are expected to recognize federal permits in state waters, and are encouraged to establish a moratorium on entry into the fishery.

Vessel and dealer reporting requirements: States are required to implement reporting requirements for state permitted vessels and dealers and to report landings from state waters to NOAA Fisheries.

Scup pot or trap definition: A scup pot or trap will be defined by the state regulations that apply to the vessels principal port of landing.

Quota management requirements:

Winter I and II: States are required to implement landing limits as specified annually. States are required to notify state and federal permit holders of initial period landing limits, in-period adjustments, and closures. States are required to prohibit fishing for, and landing of, scup when

a period quota has been landed, based on projections by NOAA Fisheries. States must report landings from state waters to NOAA Fisheries for counting toward the quota.

Summer: States are required to implement a plan of trip limits or other measures to manage their summer share of the scup quota. States are required to prohibit fishing for, and landing of, scup when their quota share is landed. States may transfer or combine quota shares. States must report all landings from state waters to NOAA Fisheries for counting toward the state shares.

Recreational Fishery

Addendum IX (2003) established a state-specific management program for Massachusetts through New York (inclusive), and specific management measures for the states of New Jersey, Delaware, Maryland, Virginia, and North Carolina. The states have continued this approach since 2004.

The following measures may change annually: Recreational Measures²

2022 & 2023 Minimum size, possession limits and seasonal closure: Table 7 and Table 8

2022 Recreational Harvest Limit: 6.08 million pounds

Other Measures

Reporting: States are required to submit an annual compliance report to the Chair of the PRT by June 1 of each year. This report should detail the state's management program for the current year and establish proof of compliance with all mandatory management measures. It should include landings information from the previous year, and the results of any monitoring or research programs.

De minimis: A state is granted *de minimis* status if the commercial scup landings for the last preceding calendar year for which data are available for the summer period are less than 0.1% of the summer period's quota. *De minimis* status allows for minimal allocations equal to 0.1 % of the quota for the summer period to these states. The total amount of quota allocated to these *de minimis* states is subtracted from the summer quota before the remainder is allocated to the other states. States desiring *de minimis* classification must make a formal request in writing through the PRT for review and consideration by the Board.

This summary of compliance criteria is intended to serve as a quick reference guide. It in no way alters or supersedes compliance criteria as contained in the Scup FMP and any Amendments thereto.

² Past FMP Reviews are available on the [Commissions' scup webpage](#), which contain prior year's recreational measures.

Scup FMP Compliance Schedule

Commercial Fishery

Management Measures	Date Implemented
Ability to implement and enforce period landing limits	1/1/97
Ability to notify permit holders of landing limits and closures	5/1/97
Ability to close the summer fishery once the state share is harvested	5/1/97
Ability to close the winter fisheries once the period quota is harvested	5/1/97
9" total length minimum size limit	6/30/96
Minimum mesh size of 5" diamond mesh throughout codend	1/1/05
Pot and trap escape vents (min 3.1" square/rectangular; each side at least 2.25" in length), degradable fasteners	6/30/96
Roller diameter restriction (maximum of 18")	6/30/96
Vessel permit and reporting requirements, state	1/1/97
Dealer permit and reporting requirements, state	1/1/97

Recreational Fishery

Management Measures	Date Implemented
Size limit	6/30/96
Possession limit	6/30/96

General

States submit annual monitoring and compliance report	6/1 annually
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Annual Specifications

Commercial	Effective Date
Winter I Landing Limits	1/1/22
Winter II Landing Limits	11/1/22

Recreational	Effective Date
Massachusetts– New York (inclusive)	
State specific minimum size, possession limit and season	1/1/22

New Jersey – North Carolina (inclusive)	
Federal coastwide minimum size, possession limit and season	1/1/22

VI. Plan Review Team Comments and Recommendations

- The PRT notes that after reviewing state compliance reports, most states are consistent with the FMP requirements with only one issue identified: Delaware’s regulations regarding pot and trap escape vents are consistent with the requirements in the black sea bass FMP, but not consistent with the larger escape vent requirement under the scup FMP. In 2021, Delaware staff informed Commission staff that Delaware’s management section decided against making any changes to their pot regulations since Delaware has no directed scup fishery with minimal incidental landings. Additionally, the Delaware management section said that larger scup escape vent requirements would interfere with their lobster pot regulations.
- The PRT discussed Delaware’s escape vent regulations and noted that when this issue was raised in 2020 the Board did not identify this as a high priority issue. Without a directed fishery, Delaware has maintained minimal landings of less than 0.1% of annual coastwide landings. As such, the PRT recommends that Delaware be exempted from the scup escape vent requirement so long as Delaware can demonstrate during the annual compliance review that there is no directed scup fishery with minimal landings of less than 0.1% of annual coastwide landings.
- With the one exception noted above, the PRT determined that all states have implemented regulations consistent with the FMP requirements.
- Delaware has requested *de minimis* status and meets the requirements for 2023.

VII. Research Recommendations

Research recommendations are summarized on page 4 of the [2021 Scup Management Track Stock Assessment](#)

VIII. References

Northeast Fisheries Science Center. 2019a. 66th Northeast Regional Stock Assessment Workshop (66th SAW) Assessment Report. US Dept Commerce, Northeast Fish Science Center Ref Doc. 19-08; 1170 p.

Northeast Fisheries Science Center. 2021. Prepublication copy of the June 2021 management track stock assessment report prepared for the Council and the SSC. Available at: <https://apps-nefsc.fisheries.noaa.gov/saw/sasi.php>

Northeast Fisheries Science Center. 2023. Prepublication copy of the June 2023 management track stock assessment report prepared for the Council and the SSC. Available at: <https://apps-nefsc.fisheries.noaa.gov/saw/sasi.php>

Table 1. Process for determining the appropriate percent change in harvest when developing management measures.

Future RHL vs Harvest Estimate ³	Stock Size SSB/SSB _{MSY}	Change in Harvest
Future 2-year avg. RHL greater than upper bound of harvest estimate confidence interval	> 1.5	Liberalization percent equal to difference between harvest estimate and 2-year avg. RHL, not to exceed 40%
	1 – 1.5	Liberalization percent equal to difference between harvest estimate and 2-year avg. RHL, not to exceed 20%
	< 1	10% Liberalization
Future 2-YR avg. RHL within confidence interval of harvest estimate	> 1.5	10% Liberalization
	1-1.5	0%
	< 1	10% Reduction
Future 2-YR avg. RHL less than lower bound of harvest estimate confidence interval	> 1.5	10% Reduction
	1-1.5	Reduction percent equal to difference between harvest estimate and 2-year avg. RHL, not to exceed 20%
	< 1	Reduction percent equal to difference between harvest estimate and 2-year avg. RHL, not to exceed 40%

³ The two-year average MRIP estimate with associated CI is intended as a predictor of future harvest under status quo measures. This may be replaced with statistical model-based approaches for predicting harvest.

Table 2. Scup commercial landings by state 2013-2022 in pounds.

Source: ACCSP. 2013-2022. Commercial landings summaries generated using ACCSP Data Warehouse and state compliance reports for 2022 data (June 2023).

State	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022**
MA	1,402,830	1,187,763	1,380,263	1,535,946	2,564,220	1,486,676	1,247,961	788,665	973,864	1,062,244
RI	7,345,771	6,948,870	6,793,854	6,808,917	5,973,305	4,713,742	4,583,835	4,302,324	4,272,466	3,624,232
CT	1,194,761	811,106	983,042	941,532	748,285	792,737	1,141,067	990,091	780,189	691,778
NY	4,574,421	3,174,867	4,050,297	3,504,265	3,464,504	3,348,877	4,067,582	4,819,807	4,212,010	4,027,091
NJ	2,035,138	2,351,643	2,981,573	2,336,172	1,841,315	2,475,986	1,836,807	2,246,003	2,358,904	2,417,589
DE	C	C	C	C	C	C	C	C	C	C
MD*	C	C	C	C	C	C	C	C	C	C
VA	902,067	694,281	509,471	447,257	559,192	441,162	462,085	328,411	355,160	200,166
NC*	C	C	C	C	C	C	C	C	C	C
Total	17,810,205	15,859,854	16,954,095	15,739,585	15,437,809	13,380,939	13,778,483	13,605,147	13,092,858	12,090,360

C= Confidential

*MD & NC landings are not confidential; they were marked as such in order to comply with the rule of three for maintaining confidentiality for other state commercial landings totals

**2022 landings are still preliminary

Table 3. Recreational scup harvest (A+B1) by state (2013-2022) in pounds.

Source: Marine Recreational Information Program (MRIP). These estimates may differ from MRIP estimates depending on query date (data queried June 2023).

State	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
MA	3,949,812	3,238,337	1,955,270	2,156,731	2,363,921	3,021,959	1,924,202	1,174,791	3,763,515	2,098,574
RI	2,622,654	2,650,482	1,370,141	1,552,395	1,113,035	2,030,258	2,856,459	1,330,398	2,467,932	2,898,790
CT	2,228,809	1,245,734	1,148,402	1,373,235	1,712,421	2,574,308	2,242,548	2,951,959	2,856,534	1,822,874
NY	3,535,433	3,085,237	7,607,418	4,252,716	6,626,060	4,906,043	6,970,873	6,253,478	7,177,770	10,249,647
NJ	292,315	49,283	87,658	480,660	1,708,355	443,700	118,832	1,200,941	194,089	284,676
DE	-	30	674	1	119	362	-	316	1,179	1,757
MD	-	-	207	147	6	370	444	578	331	2,211
VA	6,344	-	4,081	183,405	-	-	229	-	157,455	-
NC	515	1,340	405		508	420	2,637	1,346	2,831	2,848
Total	12,635,882	10,270,443	12,174,256	9,999,290	13,524,425	12,977,420	14,116,224	12,913,807	16,621,636	17,361,377

Table 4. Estimated scup recreational harvest, releases, dead releases, total catch, and total removals in numbers of fish by marine recreational anglers, 2013 to 2022.

Source: MRIP. These estimates may differ from MRIP estimates depending on query date (data queried June 2023).

Year	Total Catch (A+B1+B2)	Harvest (A+B1)	Released (B2)	Dead Releases (15% of B2)	Total Removals (Harvest + Dead Releases)
2013	25,878,518	11,547,028	14,331,490	2,149,724	13,696,752
2014	20,876,842	9,488,948	11,387,894	1,708,184	11,197,132
2015	25,154,965	11,498,781	13,656,184	2,048,428	13,547,209
2016	31,493,867	9,143,579	22,350,288	3,352,543	12,496,122
2017	41,199,433	13,820,610	27,378,823	4,106,823	17,927,433
2018	30,374,923	14,545,489	15,829,434	2,374,415	16,919,904
2019	28,666,419	14,954,159	13,712,260	2,056,839	17,010,998
2020	27,268,600	14,493,247	12,775,353	1,916,303	16,409,550
2021	31,702,554	16,595,456	15,107,098	2,266,065	18,861,521
2022	36,017,625	17,712,319	18,305,306	2,745,796	20,458,115
10 YR AVG	29,863,375	13,379,962	16,483,413	2,472,512	15,852,474

Table 5. State by state summer period quota for 2022.

State	Share	2022 ASMFC Initial Quota	Transfers	2022 ASMFC Final Quota
ME	0.0012	9,607		9,607
MA	0.2159	1,713,747	-200,000	1,513,747
RI	0.5620	4,461,110		4,461,110
CT	0.0315	250,385	200,000	450,385
NY	0.1583	1,256,270		1,256,270
NJ	0.0292	231,546		231,546
MD	0.0001	944		944
VA	0.0017	13,100		13,100
NC	0.0003	1,976		1,976
Total	100%	7,938,686		7,938,686

Table 6. Scup landings by period.
Source: ACCSP Data Warehouse, June 2023.

Year	Period	Commercial Quota [^]	Trip Limits	Landings (lbs)	Date Closed	% of Quota Landed
2013	Winter I	10,613,157	50,000/1,000*	7,420,568	--	69.9
	Summer	9,163,877	--	6,713,261	--	73.3
	Winter II	6,932,998	8,000**	3,676,386	--	53.0
2014	Winter I	9,900,000	50,000/1,000*	6,107,429	--	61.7
	Summer	8,548,364	--	6,402,229	--	74.9
	Winter II	7,232,471	18,000**	3,350,155	--	46.3
2015	Winter I	9,578,008	50,000/1,000*	7,400,159	--	77.3
	Summer	8,269,322	--	6,426,593	--	77.7
	Winter II	5,468,726	18,000**	3,127,206	--	57.2
2016	Winter I	9,232,987	50,000/1,000*	6,079,576	--	65.8
	Summer	7,972,176	--	5,950,690	--	74.6
	Winter II	6,454,943	18,000**	3,709,271	--	57.5
2017	Winter I	8,291,190	50,000/1,000*	5,916,146	--	71.4
	Summer	7,458,013	--	6,547,858	--	87.8
	Winter II	5,160,914	18,000**	2,969,709	--	57.5
2018	Winter I	10,820,000	50,000/1,000*	4,854,809	--	44.9
	Summer	9,340,986	--	5,743,433	--	61.5
	Winter II	9,766,677	28,500**	2,782,690	--	28.5
2019	Winter I	10,820,000	50,000/1,000*	5,547,739	--	51.3
	Summer	9,340,986	--	5,119,736	--	54.8
	Winter II	9,090,487	27,000**	3,110,798	--	34.2
2020	Winter I	10,027,597	50,000/1,000*	5,176,489	--	51.6
	Summer	8,658,277	--	5,616,534	--	64.9
	Winter II	8,394,299	24,000**	2,799,449	--	33.3
2021	Winter I	9,247,904	50,000/1,000*	5,775,319	--	62.5
	Summer	7,985,056	--	4,815,745	--	60.3
	Winter II	6,683,454	21,000**	2,383,845	--	35.7
2022***	Winter I	9,194,201	50,000/1,000*	4,969,378	--	54.0
	Summer	7,938,686	--	4,526,670	--	57.0
	Winter II	7,468,343	24,000**	2,567,968	--	34.4

[^] Winter II commercial quotas represent Winter I unused quota adjustments.

*The first number indicates the trip limit until 80% of the quota is caught; the second number is the trip limit after that threshold is exceeded.

** Winter II trip limits represent unused Winter I quota adjustments.

***Scup landings by period pulled from the ACCSP Data Warehouse may differ from compliance reports and federal dealer data records. All 2022 data listed in this report are preliminary.

Table 7. Scup state-by-state recreational management measures for 2022.

State	Minimum Size (inches)	Possession Limit	Open Season
Massachusetts (Private Vessel & Shore)	10	30 fish; 150 fish/vessel with 5+ anglers on board	January 1-December 31
Massachusetts (Anglers aboard For-hire Vessels)	10	30 fish	January 1-April 30; July 1-December 31
		50 fish	May 1-June 30
Rhode Island (Private Vessel & Shore)	10	30 fish	January 1-December 31
RI Shore Program (7 designated shore sites)	9		
RI (Anglers aboard For-hire Vessels)	10	30 fish	January 1-August 31; November 1-December 31
		50 fish	September 1-October 31
Connecticut (Private Vessel & Shore)	10	30 fish	January 1-December 31
CT Shore Program (45 designed shore sites)	9		
CT (Anglers aboard For-hire Vessels)	10	30 fish	January 1-August 31; November 1-December 31
		50 fish	September 1-October 31
New York (Private Vessel & Shore)	10	30 fish	January 1-December 31
NY (Anglers aboard For-hire Vessels)	10	30 fish	January 1-August 31; November 1-December 31
		50 fish	September 1- October 31
New Jersey	10	50 fish	January 1- December 31
Delaware	9	50 fish	January 1-December 31
Maryland	9	50 fish	January 1-December 31
Virginia	9	30 fish	January 1-December 31
North Carolina, North of Cape Hatteras (N of 35° 15'N)	9	50 fish	January 1-December 31

Table 8. Scup state-by-state recreational management measures for 2023.

State	Mode	Minimum Size	Possession Limit	Open Season
Massachusetts	Private Vessel	10.5"	30 fish	May 1 – December 31
	Shore	9.5"		
	For-Hire Vessel	10.5"	40 fish	May 1 – June 30
			30 fish	July 1 – December 31
Rhode Island	Private	10.5"	30 fish	May 1 – December 31
	Shore	9.5"		
	For-Hire Vessel	10.5"	30 fish	May 1 – August 31; November 1 – December 31
			40 fish	September 1 – October 31
Connecticut	Private Vessel	10.5"	30 fish	May 1 – December 31
	Shore	9.5"		
	Authorized For-Hire Monitoring Program Vessels	10.5"	30 fish	May 1 – August 31; November 1 – December 31
			40 fish	September 1 – October 31
New York	Private Vessel	10.5"	30 fish	May 1 – December 31
	Shore	9.5"		
	For-Hire Vessels	10.5'	30 fish	May 1 - August 31; November 1 - December 31
			40 fish	September 1 – October 31
New Jersey	ALL	10"	30 fish	August 1 – December 31
Delaware		9"	40 fish	January 1 – December 31
Maryland			30 fish	
Virginia			40 fish	
North Carolina, North of Cape Hatteras (N of 35° 15'N)			40 fish	

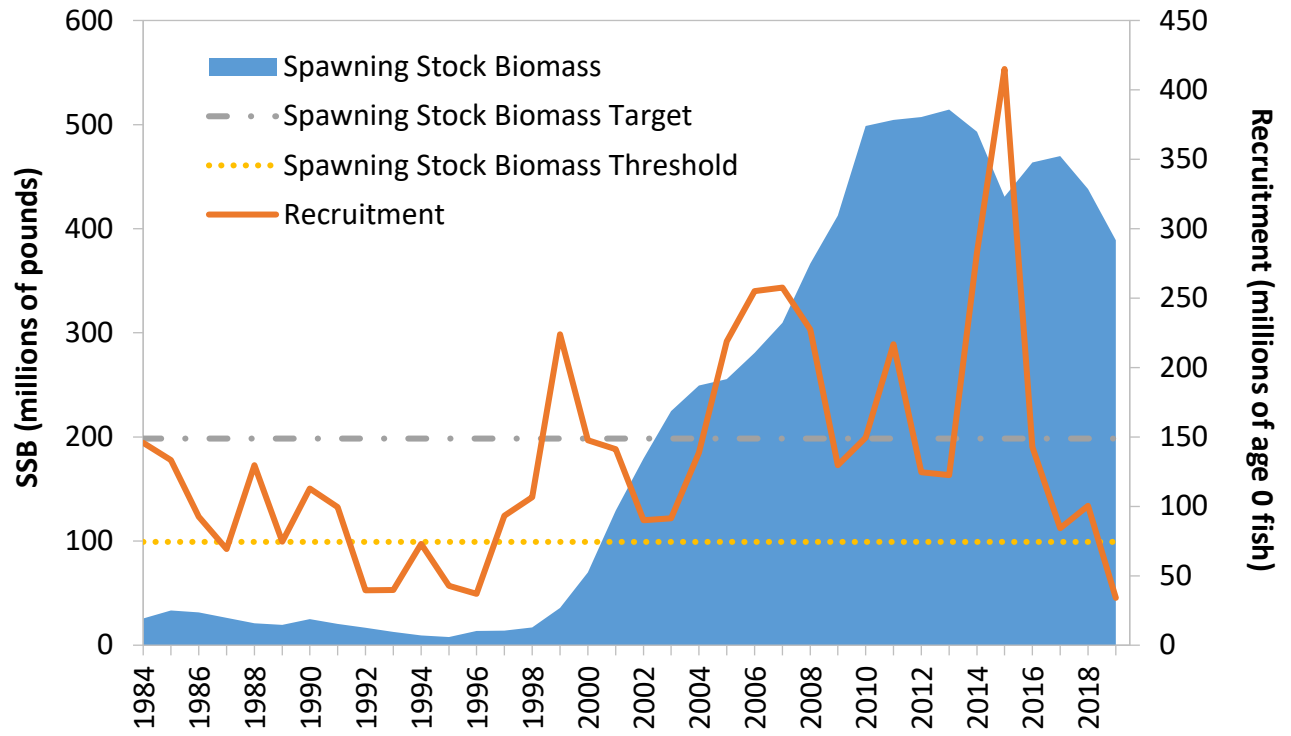


Figure 1. Scup spawning stock biomass and recruitment
 Source: Scup Management Track Stock Assessment, 2021.

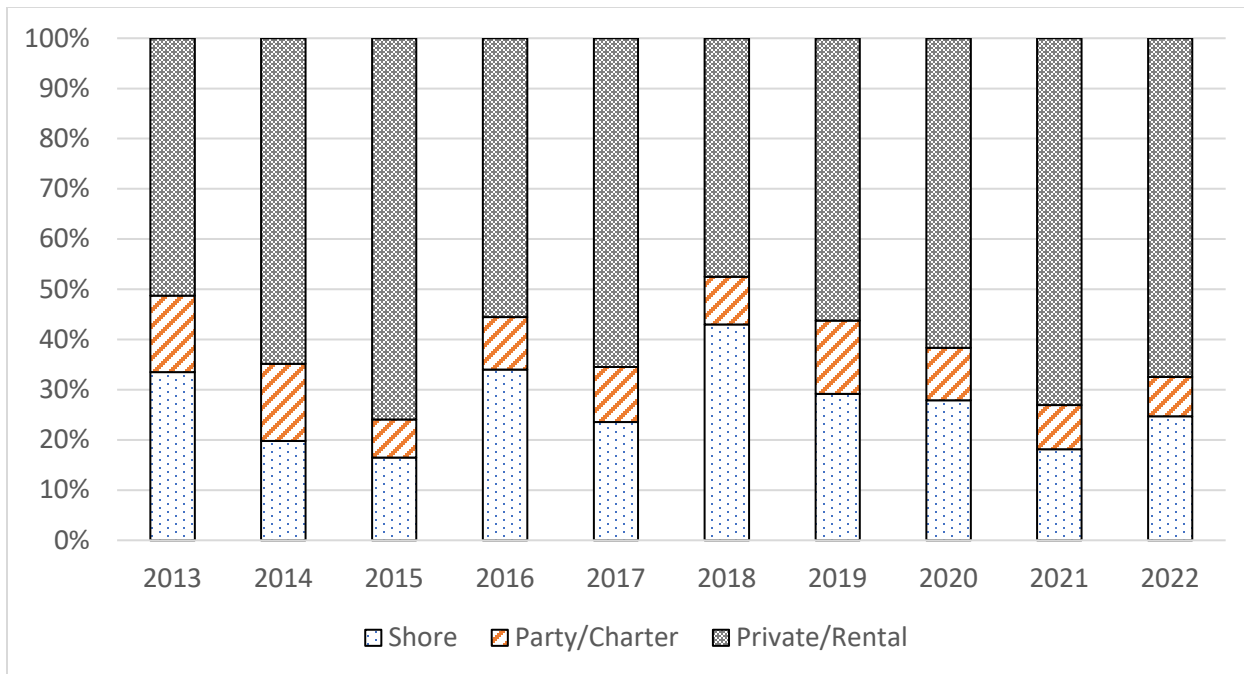


Figure 2. The percent of scup harvested by recreational fishing mode in numbers of fish, Maine through North Carolina, 2013-2022.

Source: MRIP. These estimates may differ from MRIP estimates depending on query date (data queried June 2023).

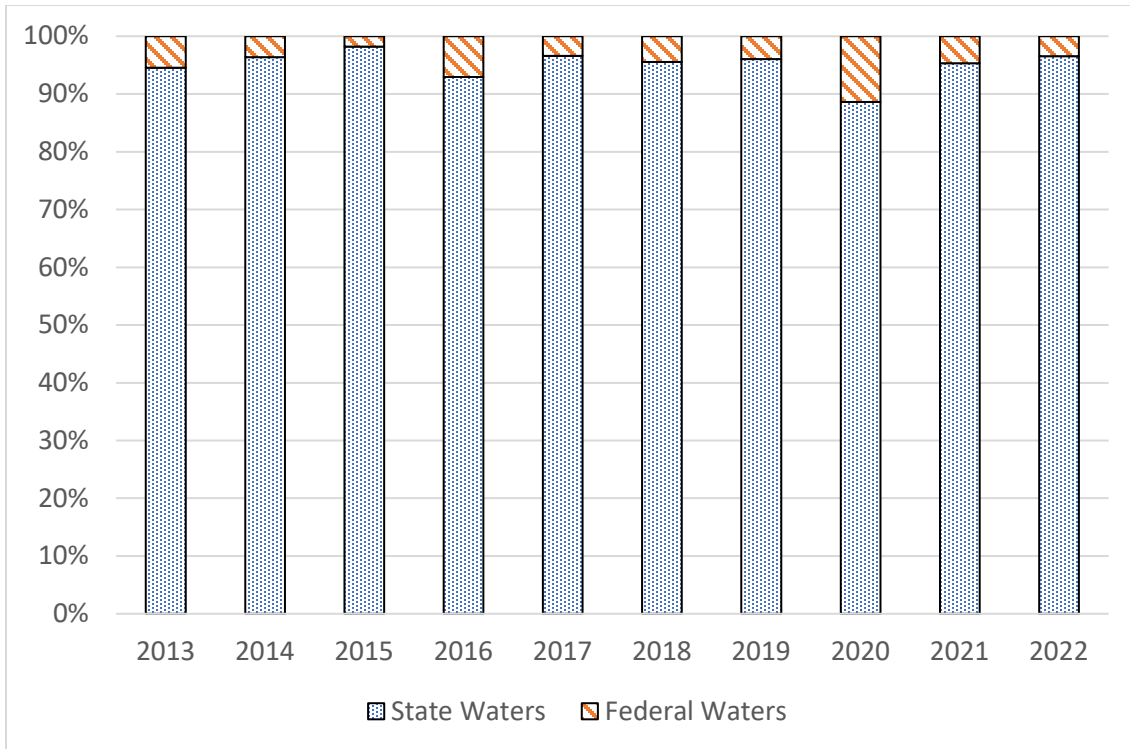


Figure 3. The percent of scup recreational landings (numbers of fish) in state vs. federal waters, Maine through North Carolina, 2013-2022.

Source: MRIP. These estimates may differ from MRIP estimates depending on query date (data queried June 2023).