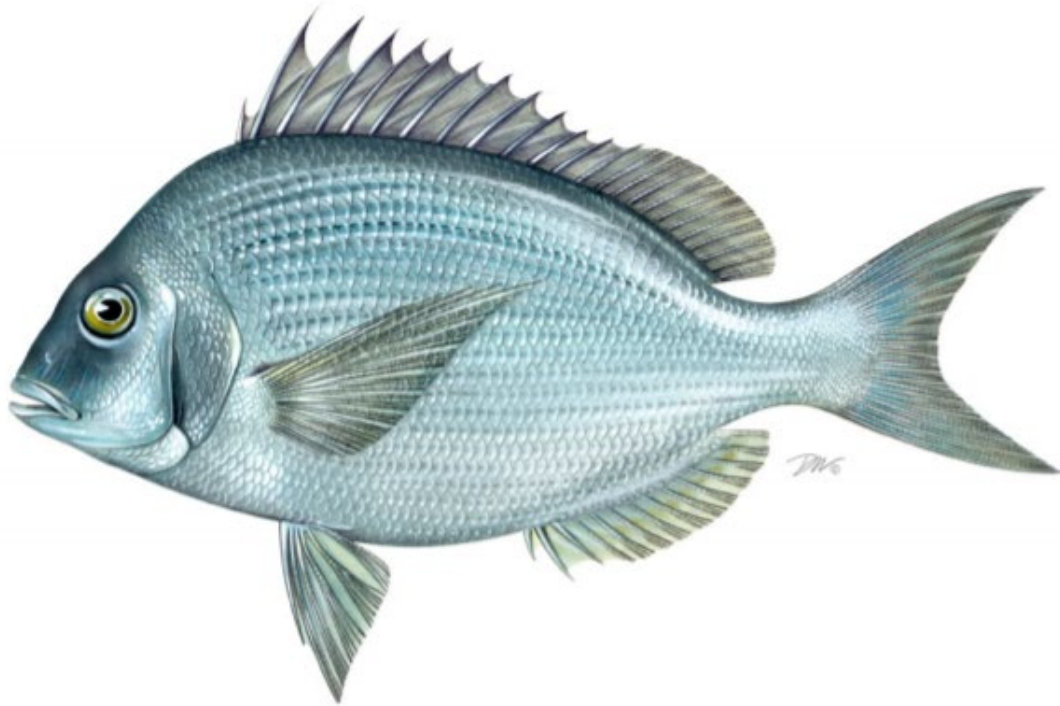


# ATLANTIC STATES MARINE FISHERIES COMMISSION

## REVIEW OF THE INTERSTATE FISHERY MANAGEMENT PLAN

FOR SCUP  
(*Stenotomus chrysops*)

2017 FISHING YEAR



Prepared by the Plan Review Team

Approved by the Summer Flounder, Scup, and Black Sea Bass Management Board  
October 2018

**Review of the Interstate  
Fishery Management Plan for Scup for the 2017 Fishing Year**

**I. Status of the Fishery Management Plan**

States with a declared interest in the Scup FMP are Massachusetts, Rhode Island, Connecticut, New York, New Jersey, Delaware, Maryland, Virginia, and North Carolina. The Commission's Summer Flounder, Scup, and Black Sea Bass Management Board serves as the species management board, and the Demersal Species Committee guides plan development for the MAFMC. The Summer Flounder, Scup, and Black Sea Bass Technical Committee addresses technical issues. Industry advice is solicited through the Summer Flounder, Scup, and Black Sea Bass Advisory Panel, and annual review and monitoring is the responsibility of the Scup Plan Review Team.

Atlantic States Marine Fisheries Commission (ASMFC or Commission) management of scup was initiated as one component of a multi-species Fishery Management Plan (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 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 for management and distribution of the annual coastwide commercial quota. Addendum 1 also 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.

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 Management 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 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 National Marine Fisheries Service (NMFS) 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 Mid-Atlantic Fishery Management Council (Council) also took the same action through Framework 10. The new quota periods are the following and will be 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).

## **II. Status of the Stock**

The most recent stock assessment update for scup took place in 2017. Based on information through 2016, the scup stock was not overfished or experiencing overfishing relative to the reference points defined in the 2015 SAW 60 benchmark assessment. The stock assessment model for scup changed in 2008 from a simple index-based model to a more complex statistical catch at age model. The model now incorporates a broader range of fishery and survey data than was used previously.

Recruitment (i.e., the number of age 0 scup) averaged 121 million fish during 1984-2016. The 1999, 2006, and 2015 year classes are estimated to be the largest of the time series, at 222, 222, and 252 million age 0 fish. Below average recruitment occurred in 2012-2014 and in 2016 (65 million fish).

The fishing mortality reference point is  $F_{MSY} = F_{40\%} = 0.220$ .  $F_{40\%}$  is the rate of fishing that will result in 40% of the spawning potential of an unfished stock. The spawning stock biomass (SSB) target is  $SSB_{40\%} = 87,302$  mt or 192.47 million pounds. The 2017 stock assessment update indicates the  $F$  in 2016 was 0.139 and SSB was 397 million pounds, therefore overfishing is not occurring and the stock is rebuilt.

## **III. Status of the Fishery**

Commercial scup landings, which had declined by over 33% to 13.1 million pounds in 1988 from peak landings (approximately 49 million lbs) in 1960, increased to 15.6 million pounds in 1991, then steadily dropped to the lowest value in the time series, 2.7 million pounds in 2000. Since 2001, commercial landings have continued to increase nearly every year to about 17.87 million pounds in 2013. From 2011-2015 commercial landings varied, ranging from 14.88 million lbs in 2012, to 17.87 million pounds in 2013. In 2017, commercial landings were 13.59 million lbs, about 73% of the commercial quota (Table 3). Since 1979 approximately 80% of the commercial

landings have been landed in Rhode Island (38%), New Jersey (26%), and New York (16%). Otter trawl is the principal gear, accounting for 65%-90% of commercial landings since 1979.

The recreational fishery for scup is significant, with the greatest proportion of the catches taken in states of Massachusetts through New York. Since 1981, recreational harvest has averaged 32% of total landings (commercial and recreational)<sup>1</sup>. From 2005 to 2015, recreational harvest has ranged from 2.69 million lbs in 2005 to 5.11 million lbs in 2013. In 2017, recreational harvest was 5.42 million lbs, about 98% of the recreational harvest limit (Table 4).

#### **IV. Status of Assessment Advice**

The 2015 Benchmark Stock Assessment indicated that while the scup biomass is over 200% of the biomass target, the trend moving forward is likely a decline from a recent year's peak. As such, the Board and Council moved to decrease commercial quotas and recreational harvest limits from 2015 levels in 2016 and 2017 based on the biomass projections outlined in the stock assessment. The 2017 Stock Assessment Update indicated the biomass still remains 200% above the biomass target and resource is not experiencing overfishing. Quotas were increased for 2018 and 2019.

#### **V. Status of Research and Monitoring**

Commercial landings data are collected by the NMFS 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 the Marine Recreational Information Program. 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. All surveys, with the exception of Delaware's, are included in the species stock assessment.

#### **VI. Management Measures and Developing Issues**

Starting in 2018, October will be part of the Winter II, rather than the Summer period. During the winter periods, the quota is coastwide and is limited by federal trip limits.

Beginning in 2019, per the Board and Council approved commercial fishery specifications, the threshold to trigger the trawl minimum mesh requirement will be increased to 2,000 pounds during April 15--June 15. This change was made in response to a MA and RI proposal to reduce discarding in their small-mesh squid fisheries.

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<sup>1</sup> All recreational data included in this report are derived from MRIP data released prior to the July 2, 2018 estimate recalibration based on the new Fishing Effort Survey (FES). New MRIP estimates will be incorporated into an operational assessment in 2019 for management use.

In December 2017, the Council and Board initiated a joint action (framework and addendum) that will considering adding a transit provision to Block Island for recreational and/or commercial harvesters, and slot limits as a potential management tool for scup.

The Board continued the use of regional management for the scup recreational fishery in 2018, providing for a size limit liberalization in MA-NY and a seasonal liberalization in NJ (Table 6).

### **Scup FMP Compliance Criteria:**

#### **COMMERCIAL FISHERY for 2017**

*The following management measures 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 November 1 through April 30, or 200 pounds or more of scup from May 1 through October 31.

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

Commercial quota: 18.38 million pounds (adjusted for overages)

ASMFC Summer Quota: 7,158,986 lbs (State by State Shares in Table 1)

Winter I and II Quotas and landing limits: Winter I = 8,291,190 lbs; 50,000 lb trip limit, 1,000 lbs trip limits when the quota reaches 80%; Winter II = 5,160,914 lbs, 18,000 pounds trip limit (both increased from initial amounts by rollover of unused quota from Winter I).

*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 NMFS.

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 NMFS. States must report landings from state waters to NMFS 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 NMFS for counting toward the state shares.

### **RECREATIONAL FISHERY for 2017**

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: 2017 Recreational Measures***

2017 Minimum size, possession limits and seasonal closure: Table 5

2017 Recreational Harvest Limit: 5.50 million pounds

2018 Minimum size, possession limits and seasonal closure: Table 6

### **OTHER MEASURES**

Reporting: States are required to submit an annual compliance report to the Chair of the ASMFC Scup Plan Review Team 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: States having commercial landings during the summer period that are less than 0.1% of the summer period quota are eligible for *de minimis* consideration. States desiring *de minimis* classification must make a formal request in writing through the Plan Review Team for review and consideration by the Scup Management 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.*

### **Compliance Issues**

The PRT found compliance issues with two states: Massachusetts did not maintain the 5" minimum diamond mesh size or the threshold to trigger minimum mesh requirements (1,000 lbs 11/1 – 4/30 200 lbs from 5/1 – 10/31), allowing squid mesh (1 7/8") vessels to retain directed fishery possession limits for scup from April 23 – June 9 (or longer by Director's

declaration). It was identified in the compliance report that this issue was addressed in April 2018; additionally the Board was made aware of it October 2017 and it was addressed in April 2018. The second issue was New Jersey did not specify in their state compliance report the escape vent requirements of 3.1" circular escape vents, 2.25" square escape vent, or rectangular escape vent of equivalent size. In follow up with the state of the New Jersey, the correct escape vent requirements regulations were in place.

**De Minimis**

The state of Delaware requests *de minimis* status. The PRT notes Delaware meets the *de minimis* requirements.

**VII. State Compliance with Required Measures**

Massachusetts, Rhode Island, Connecticut, New York, New Jersey, Delaware, Maryland, Virginia, and North Carolina are required to comply with the provisions of the Scup FMP. As noted above, the PRT found Massachusetts to have inconsistent minimum mesh size and trigger for minimum mesh size requirements with the FMP in 2017 (corrected in early 2018). All other states implemented regulations in compliance with the requirements approved by the Board.

**Scup FMP Compliance Schedule**

**Commercial Fishery**

<b>Management Measures</b>	
Ability to implement and enforce period landing limits	1/1/97
Ability to notify permit holders of landing limits and closures 1/1/97	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
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**Recreational Fishery**

<b>Management Measures</b>	
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**

<b>Commercial</b>		
Winter I Landing Limits	11/1/05	1/1/16
Winter II Landing Limits	11/1/05	11/1/16

**Recreational**

Massachusetts– New York (inclusive)	
State specific minimum size, possession limit and season	3/16
New Jersey – North Carolina (inclusive)	
Federal coastwide minimum size, possession limit and season	12/15

**Table 1. 2017 State by State Quota (Summer Period)**

<b>State</b>	<b>Share</b>	<b>2017 ASMFC Final Quota</b>
ME	0.00121	8,662
MA	0.21585	1,520,289
RI	0.56189	4,022,592
CT	0.03154	250,773
NY	0.15823	1,132,781
NJ	0.02916	208,785
MD	0.00012	852
VA	0.00165	11,812
NC	0.00025	1,783
Total	0.99991	7,158,986

**Table 2. Summary of scup management measures, 2006-2017.**

<b>Harvest Limits and Measures</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>
<b>ABC (m lbs)</b>	-	-	-	-	-	40.88	38.71	35.99	33.77	31.11	28.40
<b>TAC (m lbs)</b>	13.97	9.9	15.54	17.09	31.92	-	-	-	-	-	
<b>Commercial ACL (m lbs)</b>	-	-	-	-	-	31.89	30.19	28.07	26.35	24.26	22.15
<b>Commercial quota-adjusted (m lbs)*</b>	8.9	5.24	8.37	10.68	20.36	27.91	23.53	21.95	21.23	20.47	18.38
<b>Commercial landing (m lbs)</b>	9.24	5.19	8.20	10.40	15.03	14.88	17.87	15.96	15.85	15.76	13.59
<b>Recreational ACL (m lbs)</b>	-	-	-	-	-	8.99	8.52	7.92	7.43	6.84	6.25
<b>Recreational harvest limit-adjusted (m lbs)*</b>	2.74	1.83	2.59	3.01	5.74	7.55	7.55	7.03	6.8	6.09	5.50
<b>Recreational landings</b>	4.56	3.79	3.23	5.97	3.67	4.17	5.37	4.27	4.41	4.26	5.42
<b>Commercial fish size (in)</b>	9	9	9	9	9	9	9	9	9	9	9
<b>Min. mesh size (in, diamond)</b>	5	5	5	5	5	5	5	5	5	5	5
<b>Mesh threshold (lb)</b>	500/ 200	500/ 200	500/ 200	500/ 200	500/ 200	500/ 200	500/ 200	500/ 200	500/ 200	1,000/200	1,000/200

\*2006-2014 commercial quotas and recreational harvest limits were adjusted for the Research Set Aside (RSA) program. The RSA program was suspended for 2015 and beyond.

**Table 3. Scup commercial landings by state 2007-2017 in pounds.**

Source: ACCSP. 2007-2017. Commercial Landings Summaries; generated by J. Kuesel; using ACCSP Data Warehouse, Arlington, VA. State Compliance Reports for 2017 data (July 2018)

State	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017**
MA	1,104,316	527,325	718,751	1,030,688	1,243,810	2,005,268	1,094,975	1,185,816	1,380,262	1,535,947	2,564,042
RI	3,892,671	2,133,001	1,785,994	4,298,595	6,335,391	6,309,321	4,689,540	4,450,133	3,732,577	4,395,282	4,214,965
CT	255,884	283,101	203,607	323,757	644,030	905,060	1,194,949	811,106	983,041	946,182	754,672
NY	2,280,112	1,203,661	1,845,908	2,689,443	3,542,538	4,306,621	4,407,231	3,190,433	3,174,868	3,505,824	3,464,423
NJ	1,575,144	773,829	1,528,545	1,550,249	1,966,479	978,531	2,033,083	1,925,591	2,981,572	2,332,900	1,844,570
DE	C	C	C	C	C	C	C	C	C	C	C
MD	C	C	C	C	C	C	C	C	C	C	C
VA	22,579	95,939	211,576	371,376	620,480	339,868	913,113	660,324	509,334	441,257	495,062
NC	66,856	205,703	244,020	102,745	308,883	3,903	28,394	160,399	229,664	111,901	188,852
<b>Total</b>	9,197,562	5,222,559	6,538,401	10,366,853	14,661,611	14,848,572	14,361,285	12,383,802	12,991,318	13,269,293	13,590,397

C= Confidential

\*\*2017 Landings are still preliminary

**Table 4. Scup recreational landings, 2007-2017, by state in weight.**

Source: State compliance reports. July 2018.

State	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
MA	75,860	150,031	874,952	1,023,248	836,156	1,799,446	2,093,144	1,791,306	1,286,537	1,051,147	1,430,263
RI	353,450	632,839	139,576	398,178	567,697	497,505	875,625	1,024,129	591,693	606,528	408,036
CT	108,528	115,821	359,845	1,346,631	1,194,680	922,374	1,070,402	587,336	477,987	843,267	1,019,641
NY	1,596,391	1,450,861	1,460,314	1,990,339	714,789	776,013	1,229,802	975,887	2,020,735	1,533,402	1,919,360
NJ	86,073	72,697	141,861	610,660	42,223	113,332	99,580	48,353	29,500	210,727	643,822*
DE	2,365	1,338	821	0	40	91	0	28	589	1	99
MD	157,360	89,729	36	11	7	0	0	0	204	126*	0*
VA	586	3,920	527	5,284	10,413	2,317	2,471	0	1,846	14,157*	0
NC	0	0	0	0	6	195	0	0	66	0	0
<b>Total</b>	2,380,613	2,517,236	2,977,932	5,374,351	3,366,011	4,111,273	5,371,024	4,427,039	4,409,157	4,259,355	5,421,221

\*State estimates for Maryland and Virginia had PSE>50

**Table 5. 2017 State Scup Recreational Measures**

<b>State</b>	<b>Minimum Size (inches)</b>	<b>Possession Limit</b>	<b>Open Season</b>
Massachusetts For Hire	10	45 fish from May 1- June 30; 30 fish from July 1- Dec 31	May 1- December 31
Private Angler	10	30 fish; private vessels with 6 or more persons aboard are prohibited from possessing more than 150 scup per day	May 1- December 31
Rhode Island For Hire	10	30 fish from May 1-Aug 31 and Nov 1-Dec 31; 45 fish from Sept 1-Oct 31	May 1- December 31
Private Angler	10"; and 9" or greater for shore mode at 3 designated sites	30 fish	May 1- December 31
Connecticut For Hire	10	30 fish from May 1-Aug 31 and Nov 1-Dec 31; 45 fish from Sept 1-Oct 31	May 1- December 31
Private Angler	10; and 9" for shore mode at 46 designated sites	30 fish	May 1- December 31
New York For Hire	10	30 fish from May 1-Aug 31 and Nov 1-Dec 31; 45 fish from Sept 1-Oct 31	May 1- December 31
Private Angler	10	30 fish	May 1- December 31
New Jersey	9	50 fish	Jan 1-Feb 28 and July 1 – December 31
Delaware	8	50 fish	All Year
Maryland	8	50 fish	All Year
Virginia	8	30 fish	All Year
North Carolina	8	50 fish	All Year

**Table 6. 2018 State Scup Recreational Measures**

State	Minimum Size (inches)	Possession Limit	Open Season
Massachusetts (Private Mode)	9	30 fish; 150 fish/vessel with 5+ anglers on board	May 1-December 31
Massachusetts (For-Hire Only)	9	45 fish	May 1-June 30
		30 fish	July 1-December 31
Rhode Island (Private & Shore)	9	30 fish	May 1-December 31
RI Shore Program ( 7 designated shore sites)	8		
RI (Party/Charter)	9	30 fish	May 1-August 31; November 1-December 31
		45 fish	September 1-October 31
Connecticut	9	30 fish	May 1-December 31
CT Shore Program (46 designed shore sites)	8		
CT DEEP Registered Party/Charter	9	30 fish	May 1-August 31; November 1-December 31
		45 fish	September 1-October 31
New York	9	30 fish	May 1-December 31
NY (Anglers aboard Licensed Party/Charter Boats)	9	30 fish	May 1-August 31; November 1-December 31
		45 fish	September 1- October 31
New Jersey	9	50 fish	January 1- December 31
Delaware	8	50 fish	January 1-December 31
Maryland	8	50 fish	January 1-December 31
Virginia	8	30 fish	January 1-December 31
North Carolina, North of Cape Hatteras (N of 35° 15'N)	8	50 fish	January 1-December 31

**Table 7. Scup Landings by period.**

Year	Period	Commercial Quota	Trip Limits	Landings (lbs)	Date Closed	% of Quota Landed
2006	Winter I	3,554,991	30,000/1,000*	3,626,237	--	102
	Summer	4,647,569	--	3,219,929	--	69.3
	Winter II	3,729,581	2,000/1,000	2,115,323	--	56.7
2007	Winter I	4,012,895	30,000/1,000*	3,400,934	--	84.8
	Summer	3,464,914	--	4,254,987	21-Sep	122.8
	Winter II	1,417,991	2,000/1,000	1,590,747	--	112.2
2008	Winter I	2,291,699	30,000/1,000*	2,356,716	--	102.8
	Summer	1,437,558	--	1,935,074	16-Jul	134.6
	Winter II	940,948	2,000/1,000	892,318	--	94.8
2009	Winter I	3,777,443	30,000/1,000*	3,774,583	--	99.9
	Summer	2,930,733	--	3,072,340	--	104.8
	Winter II	1,334,791	2,000/1,000	1,356,961	--	101.7
2010	Winter I	4,964,716	30,000/1,000*	4,740,681	--	95.4
	Summer	4,286,759	--	4,175,206	--	97.4
	Winter II	1,754,325	2,000/1,000	1,482,669	--	84.5
2011	Winter I	6,897,648	30,000/1,000*	5,806,236	--	84.2
	Summer	7,930,504	--	6,642,296	--	83.7
	Winter II	3,245,500	2,000/1,000	2,583,514	--	79.6
2012	Winter I	12,589,558	50,000/1,000*	5,435,576	--	43.2
	Summer	10,870,390	--	6,762,839	--	62.2
	Winter II	11,635,321	8,000	2,685,725	--	23.0
2013	Winter I	10,613,157	50,000/1,000*	7,526,881	--	70.1
	Summer	9,163,877	--	8,215,177	--	89.6
	Winter II	6,932,998	8,000	2,131,981	--	30.7
2014	Winter I	9,900,000	50,000/1,000*	6,238,586	--	62.9
	Summer	8,548,364	--	7,543,741	--	88.2
	Winter II	7,232,471	12,000	2,181,849	--	30.1
2015	Winter I	9,578,008	50,000/1,000*	7,470,126	--	78.1
	Summer	8,269,322	--	7,414,606	--	89.7
	Winter II	5,468,726	12,000	2,145,234	--	39.2
2016	Winter I	9,232,987	50,000/1,000*	6,137,281	--	66.4
	Summer	7,972,176	--	7,240,922	--	90.8
	Winter II	3,262,554	18,000	2,377,558	--	72.6
2017	Winter I	8,291,190	50,000/1,000*	5,653,716	--	68
	Summer	7,458,013	--	7,158,986	--	104
	Winter II	5,160,914	18,000	2,106,598	--	41.0

\*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.