

2. Black Sea Bass Management Overview

2.1. Fishery Management Plan and Amendments

The following summary describes only those management actions that likely affect black sea bass fisheries and harvest.

Original SAMFC FMP

The Fishery Management Plan (FMP), Regulatory Impact Review, and Final Environmental Impact Statement for the Snapper Grouper Fishery of the South Atlantic Region, approved in 1983 and implemented in August of 1983, established a management regime for the fishery for snappers, groupers and related demersal species of the Continental Shelf of the southeastern United States in the fishery conservation zone (FCZ) under the area of authority of the South Atlantic Fishery Management Council and the territorial seas of the states, extending from the North Carolina/Virginia border through the Atlantic side of the Florida Keys to 83° W longitude. In the case of the sea basses (black sea bass, bank sea bass, and rock sea bass), the fishery management unit/management regime applies only from Cape Hatteras, North Carolina south. Regulations apply only to federal waters.

Measures in the original FMP (effective 8/31/82) specified an 8" TL minimum size limit and a 4" trawl mesh size.

SAFMC FMP Amendments affecting black sea bass

Description of Action	FMP/Amendment	Effective Date
Prohibit trawls (roller rig trawls) from Cape Hatteras, NC to Cape Canaveral, FL	Amendment 1	1/12/89
BSB 10 year rebuilding program; year 1=1991. Prohibit fish traps, entanglement nets, and longline gear within 50 fathoms; allowed BSB pots north of Cape Canaveral. Prohibit powerheads in SMZs off SC. Black sea bass pot permit, gear, vessel, and identification requirements. Landed with heads & fins attached. Permits - income requirement & required to exceed bag limits.	Amendment 4	1/1/92
Required dealer, charter and headboat federal permits.	Amendment 7	3/1/95
Limited entry program: transferable permits and 225-lb non-transferable permits.	Amendment 8	12/14/98
10" TL minimum size limit recreational & commercial and 20 fish per person per day recreational bag limit; requires escape vents and escape panels with degradable hinges and fasteners in black sea bass pots. The minimum dimensions of an escape vent opening (based on inside measurement) are: (1) 1 1/8 by 5 3/4 inches (2.9 by 14.6 cm) for a rectangular vent. (2) 1.75 by 1.75 inches (4.5 by 4.5 cm) for a square vent. (3) 2.0-inch (5.1-cm) diameter for a round vent.	Amendment 9	2/24/99

<p>1. Specify a commercial quota of 477,000 lbs gutted weight (563,000 lbs whole weight) in year 1; 423,000 lbs gutted weight (499,000 lbs whole weight) in year 2; and 309,000 lbs gutted weight (364,000 lbs whole weight) in year 3 onwards until modified.</p> <p>2. The commercial quota & recreational allocation are based on a Total Allowable Catch (TAC) of 1,110,000 lbs gutted weight (1,310,000 lbs whole weight) in year 1; 983,000 lbs gutted weight (1,160,000 lbs whole weight) in year 2; and 718,000 lbs gutted weight (847,000 lbs whole weight) in year 3 onwards until modified.</p> <p>3. After the commercial quota is met, all purchase and sale is prohibited and harvest and/or possession is limited to the bag limit.</p> <p>4. Require use of at least 2” mesh for the entire back panel of black sea bass pots. This measure was effective 10/23/06.</p> <p>5. Specify a recreational allocation of 633,000 lbs gutted weight (746,000 lbs whole weight) in year 1; 560,000 lbs gutted weight (661,000 lbs whole weight) in year 2; and 409,000 lbs gutted weight (483,000 lbs whole weight) in year 3 onwards until modified.</p> <p>6. Limit recreational landings to approximate this harvest level by increasing the recreational minimum size limit from 10” total length to 11” total length in year 1 and to 12” total length in year 2 onwards until modified, and reducing the recreational bag limit from 20 to 15 black sea bass per person per day.</p> <p>7. Change the fishing year from the calendar year to June 1 through May 31.</p> <p>8. Year 1 = 2006/07.</p>	Amendment 13C	10/23/06
<p>1) Update management reference points for black sea bass.</p> <p>2) Modify rebuilding strategies for black sea bass.</p> <p>3) Define rebuilding strategies for black sea bass, None of the measures included in Amendment 15A involve changes to current regulations; therefore, no proposed or final rule is required at this time.</p> <p>4) Established 10-year rebuilding schedule for black sea bass where 2006 is year 1.</p>	Amendment 15A	3/20/08
<p>1) Prohibit sale the sale of bag-limit caught snapper grouper species.</p> <p>2) Change the commercial permit renewal period and transferability requirements.</p> <p>3) Implement a plan to monitor and address bycatch.</p>	Amendment 15B	12/16/09

<p>1) Commercial ACL = 309,000 lbs gw 2) Recreational ACL = 409,000 lbs gw 3) The commercial AM for black sea bass is to prohibit harvest, possession, and retention when the quota is projected to be met. 4) The recreational AM for black sea bass is to compare the recreational ACL with recreational landings over a range of years. For 2010, use only 2010 landings. For 2011, use the average landings of 2010 and 2011. For 2012 and beyond, use the most recent three-year running average. If black sea bass are <i>overfished</i> and the ACL is projected to be met, prohibit the harvest and retention of black sea bass. 5) If the recreational or commercial sector ACL is exceeded, independent of stock status, the Regional Administrator shall publish a notice to reduce the sector ACL in the following season by the amount of the overage. 6) Updated the framework procedure.</p>	Amendment 17B	1/31/11
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2.2. Emergency and Interim Rules (if any)

SAFMC None for black sea bass.

2.3. Secretarial Amendments (if any)

SAFMC None for black sea bass.

2.4. Control Date Notices (if any)

SAFMC:

1. Notice of Control Date (07/30/91 56 FR 36052) - Anyone entering **federal snapper grouper fishery (other than for wreckfish)** in the EEZ off S. Atlantic States after 07/30/91 was not assured of future access if limited entry program developed.
2. Notice of Control Date (04/23/97 62 FR 22995) - Anyone entering **federal black sea bass pot fishery** off S. Atlantic states after 04/23/97 was not assured of future access if limited entry program developed.
3. Notice of Control Date (10/14/05 70 FR 60058) - Anyone entering **federal snapper grouper fishery** off S. Atlantic states after 10/14/05 was not assured of future access if limited entry program developed.
4. Notice of Control Date (02/20/09 74 FR 7849) - Anyone entering **federal black sea bass pot fishery** off S. Atlantic states after 12/04/08 was not assured of future access if limited entry program developed.

5. Notice of Control Date (01/31/11 76 FR 5325) - Anyone entering **federal snapper grouper fishery** off S. Atlantic states after 09/17/10 was not assured of future access if limited entry program developed.

The net effect of these various control dates is that there are two control dates:

1. Federal Snapper Grouper Fishery – 1/31/2011
2. Federal Black Sea Bass Pot Fishery – 12/4/2008

2.5. Management Program Specifications

Table 2.5.1. General Management Information

South Atlantic

Species	Black Sea Bass
Management Unit	Southeastern US
Management Unit Definition	Cape Hatteras, NC southward to the SAFMC/GMFMC boundary
Management Entity	South Atlantic Fishery Management Council
Management Contacts SERO / Council	SAFMC: Myra Brouwer or Gregg Waugh
Current stock exploitation status	Overfishing
Current stock biomass status	Overfished

Table 2.5.2. Specific Management Criteria

Values are from Snapper Grouper Amendment 15A (December 2007; available from www.safmc.net) and are based on the SEDAR Update (2005)

http://www.sefsc.noaa.gov/sedar/download/bsb-aw-2005_062006.pdf?id=DOCUMENT .

Criteria	South Atlantic - Current		South Atlantic - Proposed	
	Definition	Value	Definition	Value
MSST	$MSST = [(1-M) \text{ or } 0.5 \text{ whichever is greater}] * B_{MSY}$	10,512,613 lbs ww	$MSST = [(1-M) \text{ or } 0.5 \text{ whichever is greater}] * B_{MSY}$	SEDAR 25
MFMT	F_{MSY}	0.43	F_{MSY}	SEDAR 25
MSY	Yield at F_{MSY}	2,777,825 lbs ww	Yield at F_{MSY}	SEDAR 25
F_{MSY}	F_{MSY}	0.429	F_{MSY}	SEDAR 25
OY	Yield at F_{OY}	2,742,551 lbs ww	Yield at F_{OY}	SEDAR 25
F_{OY}	Yield at 75% F_{MSY} *	0.3225	$F_{OY} = 65\%, 75\%, 85\% F_{MSY}$	SEDAR 25
M	n/a	0.30	M	SEDAR 25

NOTE: "Proposed" columns are for indicating any definitions that may exist in FMPs or amendments that are currently under development and should therefore be evaluated in the current assessment. "Current" is those

definitions in place now. Please clarify whether landings parameters are 'landings' or 'catch' (Landings + Discard). If 'landings', please indicate how discards are addressed.

* F_{OY} definition from Amendment 15A.

Table 2.5.3. Stock Rebuilding Information

Black sea bass is in a 10-year rebuilding schedule where 2006 is Year 1 (Amendment 15A).

Table 2.5.4. Stock projection information.

(This provides the basic information necessary to bridge the gap between the terminal year of the assessment which is the 2010 calendar year and the year in which any changes may take place or specific alternative exploitation rates should be evaluated)

South Atlantic

Requested Information	Value
First Year of Management	2012
Projection Criteria during interim years should be based on (e.g., exploitation or harvest)	Fixed Exploitation; Modified Exploitation; Fixed Harvest* Ask Council in March
Projection criteria values for interim years should be determined from (e.g., terminal year, avg of X years)	Average of previous 3 years Ask Council in March

*Fixed Exploitation would be $F=F_{MSY}$ (or $F<F_{MSY}$) that would rebuild overfished stock to B_{MSY} in the allowable timeframe. Modified Exploitation would be allow for adjustment in $F<=F_{MSY}$, which would allow for the largest landings that would rebuild the stock to B_{MSY} in the allowable timeframe. Fixed harvest would be maximum fixed harvest with $F<=F_{MSY}$ that would allow the stock to rebuild to B_{MSY} in the allowable timeframe.

First year of Management: Earliest year in which management changes resulting from this assessment are expected to become effective

Interim years: those between the terminal assessment year and the first year that any management could realistically become effective.

Projection Criteria: The parameter which should be used to determine population removals, typically either an exploitation rate or an average landings value or a pre-specified landings target.

Table 2.5.5. Quota Calculation Details

If the stock is managed by quota, please provide the following information. Amendment 13C implemented a Total Allowable Catch (TAC) and divided it into a commercial quota and a recreational allocation (effective 10/23/06).

	Commercial	Recreational	Total Allowable Catch
Current Quota Value	309,000 lbs ww	409,000 lbs ww	718,000 lbs ww
Next Scheduled Quota Change	NA	NA	NA
Annual or averaged quota?	NA	NA	NA
If averaged, number of years to average	NA	NA	NA
Does the quota account for bycatch/discard?	Yes	Yes	Yes

How is the quota calculated - conditioned upon exploitation or average landings? Allowable catch from the projection was allocated to recreational and commercial sectors based on average catch during 1999-2003.

Does the quota include bycatch/discard estimates? If so, what is the source of the bycatch/discard values? What are the bycatch/discard allowances? Quota does not require monitoring of discards and is based on landed catch. Assessment takes into consideration bycatch and provides estimate of yield at F_{MSY} and F_{OY} as landed catch rather than landed catch and dead discards.

Are there additional details of which the analysts should be aware to properly determine quotas for this stock? No.

2.6. Management and Regulatory Timeline

The following tables provide a timeline of federal management actions by fishery.

Table 2.6.1. Annual Commercial Black Sea Bass Regulatory Summary.

	<u>Fishing Year</u>	<u>Size Limit</u>	<u>Possession Limit</u>	<u>Other Regulations</u>
8/31/82	Calendar Year	8 in TL	None	4 in trawl mesh size
1983	Calendar Year	8 in TL	None	4 in trawl mesh size
1984	Calendar Year	8 in TL	None	4 in trawl mesh size
1985	Calendar Year	8 in TL	None	4 in trawl mesh size
1986	Calendar Year	8 in TL	None	4 in trawl mesh size
1987	Calendar Year	8 in TL	None	4 in trawl mesh size
1988	Calendar Year	8 in TL	None	4 in trawl mesh size
1989	Calendar Year	8 in TL	None	Trawls prohibited Cape Hatteras to Cape Canaveral

1990	Calendar Year	8 in TL	None	Trawls prohibited Cape Hatteras to Cape Canaveral
1991	Calendar Year	8 in TL	None	Trawls prohibited Cape Hatteras to Cape Canaveral
1992	Calendar Year	8 in TL	None	Trawls prohibited Cape Hatteras to Cape Canaveral
1993	Calendar Year	8 in TL	None	Trawls prohibited Cape Hatteras to Cape Canaveral
1994	Calendar Year	8 in TL	None	Trawls prohibited Cape Hatteras to Cape Canaveral
1995	Calendar Year	8 in TL	None	Trawls prohibited Cape Hatteras to Cape Canaveral
1996	Calendar Year	8 in TL	None	Trawls prohibited Cape Hatteras to Cape Canaveral
1997	Calendar Year	8 in TL	None	Trawls prohibited Cape Hatteras to Cape Canaveral
1998	Calendar Year	8 in TL	None	Trawls prohibited Cape Hatteras to Cape Canaveral

1999	Calendar Year	10 in TL	None	Trawls prohibited Cape Hatteras to Cape Canaveral; BSB pots allowed north of Cape Canaveral. Prohibited fish traps, entanglement nets, and longline gear within 50 fms. Require escape vents in pots. The minimum dimensions of an escape vent opening (based on inside measurement) are: (1) 1 1/8 by 5/34 inches (2.9 by 14.6 cm) for a rectangular vent. (2) 1.75 by 1.75 inches (4.5 by 4.5 cm) for a square vent. (3) 2.0-inch (5.1-cm) diameter for a round vent.
2000	Calendar Year	10 in TL	None	Trawls prohibited Cape Hatteras to Cape Canaveral; BSB pots allowed north of Cape Canaveral. Prohibited fish traps, entanglement nets, and longline gear within 50 fms. Require escape vents in pots. The minimum dimensions of an escape vent opening (based on inside measurement) are: (1) 1 1/8 by 5/34 inches (2.9 by 14.6 cm) for a rectangular vent. (2) 1.75 by 1.75 inches (4.5 by 4.5 cm) for a square vent. (3) 2.0-inch (5.1-cm) diameter for a round vent.
2001	Calendar Year	10 in TL	None	Trawls prohibited Cape Hatteras to Cape Canaveral; BSB pots allowed north of Cape Canaveral. Prohibited fish traps, entanglement nets, and longline gear within 50 fms. Require escape vents in pots. The minimum dimensions of an escape vent opening (based on inside measurement) are: (1) 1 1/8 by 5/34 inches (2.9 by 14.6 cm) for a rectangular vent. (2) 1.75 by 1.75 inches (4.5 by 4.5 cm) for a square vent.

				(3) 2.0-inch (5.1-cm) diameter for a round vent.
2002	Calendar Year	10 in TL	None	Trawls prohibited Cape Hatteras to Cape Canaveral; BSB pots allowed north of Cape Canaveral. Prohibited fish traps, entanglement nets, and longline gear within 50 fms. Require escape vents in pots. The minimum dimensions of an escape vent opening (based on inside measurement) are: (1) 1 1/8 by 5/34 inches (2.9 by 14.6 cm) for a rectangular vent. (2) 1.75 by 1.75 inches (4.5 by 4.5 cm) for a square vent. (3) 2.0-inch (5.1-cm) diameter for a round vent.
2003	Calendar Year	10 in TL	None	Trawls prohibited Cape Hatteras to Cape Canaveral; BSB pots allowed north of Cape Canaveral. Prohibited fish traps, entanglement nets, and longline gear within 50 fms. Require escape vents in pots. The minimum dimensions of an escape vent opening (based on inside measurement) are: (1) 1 1/8 by 5/34 inches (2.9 by 14.6 cm) for a rectangular vent. (2) 1.75 by 1.75 inches (4.5 by 4.5 cm) for a square vent. (3) 2.0-inch (5.1-cm) diameter for a round vent.
2004	Calendar Year	10 in TL	None	Trawls prohibited Cape Hatteras to Cape Canaveral; BSB pots allowed north of Cape Canaveral. Prohibited fish traps, entanglement nets, and longline gear within 50 fms. Require escape vents in pots. The minimum dimensions of an escape vent opening (based on inside measurement) are: (1) 1 1/8 by 5/34 inches (2.9 by 14.6 cm) for a rectangular vent. (2) 1.75 by 1.75 inches (4.5 by 4.5 cm) for a square vent. (3) 2.0-inch (5.1-cm) diameter for a round vent.
2005	Calendar Year	10 in TL	None	Trawls prohibited Cape Hatteras to Cape Canaveral; BSB pots allowed north of Cape Canaveral. Prohibited fish traps, entanglement nets, and longline gear within 50 fms. Require escape vents in pots. The minimum dimensions of an escape vent opening (based on inside measurement) are: (1) 1 1/8 by 5/34 inches (2.9 by 14.6 cm) for a rectangular vent. (2) 1.75 by 1.75 inches (4.5 by 4.5 cm) for a square vent. (3) 2.0-inch (5.1-cm) diameter for a round vent.
2006	Calendar Year	10 in TL	None	Trawls prohibited Cape Hatteras to Cape Canaveral; BSB pots allowed north of Cape Canaveral. Prohibited fish traps, entanglement nets, and longline

				gear within 50 fms. Require escape vents in pots. The minimum dimensions of an escape vent opening (based on inside measurement) are: (1) 1 1/8 by 5/34 inches (2.9 by 14.6 cm) for a rectangular vent. (2) 1.75 by 1.75 inches (4.5 by 4.5 cm) for a square vent. (3) 2.0-inch (5.1-cm) diameter for a round vent. Require use of at least 2" mesh for the entire back panel of pots; effective 10/23/06
2006/2007 (effective 10/23/06)	June 1 - May 31 Fishing Year	10 in TL	477,000 lbs gutted weight (563,000 lbs whole weight)	Trawls prohibited Cape Hatteras to Cape Canaveral; BSB pots allowed north of Cape Canaveral. Prohibited fish traps, entanglement nets, and longline gear within 50 fms. Require escape vents in pots. The minimum dimensions of an escape vent opening (based on inside measurement) are: (1) 1 1/8 by 5/34 inches (2.9 by 14.6 cm) for a rectangular vent. (2) 1.75 by 1.75 inches (4.5 by 4.5 cm) for a square vent. (3) 2.0-inch (5.1-cm) diameter for a round vent. Require use of at least 2" mesh for the entire back panel of pots; effective 10/23/06
2007/2008	June 1 - May 31 Fishing Year	10in TL	423,000 lbs gutted weight (499,000 lbs whole weight)	Trawls prohibited Cape Hatteras to Cape Canaveral; BSB pots allowed north of Cape Canaveral. Prohibited fish traps, entanglement nets, and longline gear within 50 fms. Require escape vents in pots. The minimum dimensions of an escape vent opening (based on inside measurement) are: (1) 1 1/8 by 5/34 inches (2.9 by 14.6 cm) for a rectangular vent. (2) 1.75 by 1.75 inches (4.5 by 4.5 cm) for a square vent. (3) 2.0-inch (5.1-cm) diameter for a round vent. Require use of at least 2" mesh for the entire back panel of pots; effective 10/23/06
2008/2009	June 1 - May 31 Fishing Year	10in TL	309,000 lbs gutted weight (364,000 lbs whole weight)	Trawls prohibited Cape Hatteras to Cape Canaveral; BSB pots allowed north of Cape Canaveral. Prohibited fish traps, entanglement nets, and longline gear within 50 fms. Require escape vents in pots. The minimum dimensions of an escape vent opening (based on inside measurement) are: (1) 1 1/8 by 5/34 inches (2.9 by 14.6 cm) for a rectangular vent. (2) 1.75 by 1.75 inches (4.5 by 4.5 cm) for a square vent. (3) 2.0-inch (5.1-cm) diameter for a round vent.

	June 1 - May 31 Fishing Year	10in TL	309,000 lbs gutted weight (364,000 lbs whole weight)	<p>Require use of at least 2” mesh for the entire back panel of pots; effective 10/23/06</p> <p>Trawls prohibited Cape Hatteras to Cape Canaveral; BSB pots allowed north of Cape Canaveral. Prohibited fish traps, entanglement nets, and longline gear within 50 fms. Require escape vents in pots. The minimum dimensions of an escape vent opening (based on inside measurement) are:</p> <p>(1) 1 1/8 by 5 3/4 inches (2.9 by 14.6 cm) for a rectangular vent.</p> <p>(2) 1.75 by 1.75 inches (4.5 by 4.5 cm) for a square vent.</p> <p>(3) 2.0-inch (5.1-cm) diameter for a round vent.</p>
2009/2010	June 1 - May 31 Fishing Year	10in TL	309,000 lbs gutted weight (364,000 lbs whole weight)	<p>Require use of at least 2” mesh for the entire back panel of pots; effective 10/23/06</p> <p>Trawls prohibited Cape Hatteras to Cape Canaveral; BSB pots allowed north of Cape Canaveral. Prohibited fish traps, entanglement nets, and longline gear within 50 fms. Require escape vents in pots. The minimum dimensions of an escape vent opening (based on inside measurement) are:</p> <p>(1) 1 1/8 by 5 3/4 inches (2.9 by 14.6 cm) for a rectangular vent.</p> <p>(2) 1.75 by 1.75 inches (4.5 by 4.5 cm) for a square vent.</p> <p>(3) 2.0-inch (5.1-cm) diameter for a round vent.</p>
2010/2011				<p>Require use of at least 2” mesh for the entire back panel of pots; effective 10/23/06.</p> <p>Commercial ACL (309,000 lbs gw) & AM; overage deducted from next fishing year.</p>

Table 2.6.2. Annual Recreational Black Sea Bass Regulatory Summary (Please fill out as appropriate)

<u>Year</u>	<u>Fishing Year</u>	<u>Size Limit</u>	<u>Bag Limit</u>
8/31/82	Calendar Year	8 in TL	None
1983	Calendar Year	8 in TL	None
1984	Calendar Year	8 in TL	None
1985	Calendar Year	8 in TL	None
1986	Calendar Year	8 in TL	None
1987	Calendar Year	8 in TL	None
1988	Calendar Year	8 in TL	None
1989	Calendar Year	8 in TL	None
1990	Calendar Year	8 in TL	None
1991	Calendar Year	8 in TL	None
1992	Calendar Year	8 in TL	None
1993	Calendar Year	8 in TL	None
1994	Calendar Year	8 in TL	None
1995	Calendar Year	8 in TL	None
1996	Calendar Year	8 in TL	None
1997	Calendar Year	8 in TL	None
1998	Calendar Year	8 in TL	None
1999	Calendar Year	10 in TL	20 fish per person per day
2000	Calendar Year	10 in TL	20 fish per person per day
2001	Calendar Year	10 in TL	20 fish per person per day
2002	Calendar Year	10 in TL	20 fish per person per day
2003	Calendar Year	10 in TL	20 fish per person per day
2004	Calendar Year	10 in TL	20 fish per person per day
2005	Calendar Year	10 in TL	20 fish per person per day
2006	Calendar Year	10 in TL	20 fish per person per day
2006/2007 (effective 10/23/06)	June 1 – May 31 Fishing Year	11 in TL	15 fish per person per day Recreational allocation of 633,000 lbs gw (746,000 lbs ww)
2007/2008	June 1 – May 31 Fishing Year	12 in TL	15 fish per person per day Recreational allocation of 560,000 lbs gw (661,000 lbs ww)
2008/2009	June 1 – May 31 Fishing Year	12 in TL	15 fish per person per day Recreational allocation of 409,000 lbs gw (483,000 lbs ww) Prohibit sale of bag limit caught BSB; effective 12/16/09.
2009/2010	June 1 – May 31 Fishing Year	12 in TL	15 fish per person per day Recreational allocation of 409,000 lbs gw (483,000 lbs ww) Prohibit sale of bag limit caught BSB.
2010/2011	June 1 – May 31 Fishing Year	12 in TL	15 fish per person per day Recreational ACL of 409,000 lbs gw (483,000 lbs ww) Prohibit sale of bag limit caught BSB. Recreational AM to close fishery if ACL is met (if overfished), and deduct overage from following fishing year

2.6. Closures Due to Meeting Commercial Quota or Commercial/Recreational ACL

Commercial:

- 2008/2009 – Commercial closure, May 15, 2009 through May 31, 2009.
- 2009/2010 – Commercial closure, December 9, 2009 through May 31, 2010.
- 2010/2011 – Commercial closure October 7, 2010. Because projected landings estimated the quota would be met by that time. However, it was later determined to not have been met. Therefore, the commercial sector for black sea bass in federal waters was reopened December 1, 2010, through December 15, 2010. The fishery is closed from December 16, 2010 through May 31, 2011. The overage will be deducted from the 2011/2012 fishing year.

Recreational

- 2010/2011 – Recreational closure February 12, 2011 through May 31, 2011. The overage will be deducted from the 2011/2012 fishing year.

Table 7. State Regulatory History

Not provided.

References

None provided.