



NOAA
FISHERIES

**Southeast
Regional
Office**

South Atlantic Red Snapper 2016 Season

South Atlantic Council Meeting
Cocoa Beach, Florida

June 2016

Background

- SEDAR-24 (2010) and SEDAR 41 (2016) determines stock is Overfished and Undergoing Overfishing
- Amendment 17a (2010) closes fishery in 2011
- Amendment 28 (2012) established:
 - (1) a process to determine if a red snapper fishing season will occur each year, which would include specification of the allowable harvest and season lengths for the commercial and recreational sectors;
 - (2) an equation to determine the annual catch limit (ACL) amount for each sector; and
 - (3) management measures if fishing is allowed.



Background

Amendment 28 specified the following formulas for calculating the ACL for red snapper each fishing year:

$$\text{If total removals}_{yr-1} > ABC_{yr-1}, \text{ then } ACL_{yr} = 0 \quad (1)$$

$$\text{If total removals}_{yr-1} < ABC_{yr-1}, \text{ then} \quad (2)$$

$$ACL_{yr} = \left(\frac{ABC_{yr-2} - estCSR_{yr-2}}{ABC_{yr-2}} + \frac{ABC_{yr-1} - estCSR_{yr-1}}{ABC_{yr-1}} \right) / 2 \times ABC_{yr}$$

where:

ABC = acceptable biological catch

$estCSR$ = estimated closed season removals

$yr-2$ = 2014 values

$yr-1$ = 2015 values

Data Sources

Commercial landings from FL, GA, SC, NC

Commercial discards from delta-lognormal model
expansion of commercial discard logbook self-reported discards

Headboat landings and discards from self-reported logbooks with some auditing by biological samplers and at-sea observers

Recreational charter and private boat landings and discards from back-converted (MRIP→MRFSS).

Summary of MRFSS
(converted from
MRIP) estimates of
red snapper
landings and
discards from 2015
from the charter and
private sectors.
*South Carolina
charter logbook
discards are also
provided

State	Wave	LANDINGS (N) AB1				DISCARDS (N) B2			
		CHARTER		PRIVATE		CHARTER		PRIVATE	
		"MRFSS"	State Survey	"MRFSS"	State Survey	"MRFSS"	State Survey	"MRFSS"	State Survey
NC	1	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-
	3	-	-	207	-	-	-	1,226	-
	4	-	-	-	-	581	-	562	-
	5	-	-	-	-	-	-	-	-
	6	-	-	-	-	-	-	-	-
NC Total		-	-	207	-	581	-	1,788	-
SC	1	-	-	-	-	-	8	-	-
	2	-	-	-	-	-	23	-	-
	3	-	-	-	-	132	454	2,367	-
	4	-	-	-	-	68	418	-	-
	5	-	-	-	-	-	105	-	-
	6	-	-	-	-	-	101	-	-
SC Total		-	-	-	-	200	1,109	2,367	-
GA	1	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-
	3	-	-	-	-	303	-	457	-
	4	-	-	-	-	524	-	-	-
	5	-	-	-	-	341	-	-	-
	6	-	-	-	-	-	-	-	-
GA Total		-	-	-	-	1,169	-	457	-
FLE	1	-	-	-	-	1,384	-	18,596	-
	2	904	-	-	-	9,661	-	5,488	-
	3	-	-	-	-	61,605	-	243,466	-
	4	-	-	431	-	3,817	-	24,412	-
	5	-	-	-	-	4,935	-	65,639	-
	6	-	-	-	-	27,152	-	108,273	-
FLE Total		904	-	431	-	108,553	-	465,874	-
Total		904		639		110,503		470,487	

2015 ABC, Landings, and Dead Discards

Variable	Number of Fish (2015)
ABC	114,000
Commercial Landings	557
Commercial Dead Discards	22,777
Recreational Headboat Landings	750
Recreational Headboat Dead Discards	22,306
Recreational Charter Landings	904
Recreational Charter Dead Discards	45,306
Recreational Private Landings	639
Recreational Private Dead Discards	183,490
Total Removals	276,729

2015 ABC = 114,000 fish

2015 Total Removals = 276,729 fish

2016 ACL = 0 fish



A close-up photograph of a red snapper fish, characterized by its vibrant red scales and large, prominent eyes. The fish is shown from a side profile, facing right, with its mouth slightly open. A fishing hook is visible in its mouth, with a dark, round bait attached. The fish is surrounded by a dynamic splash of water, with numerous droplets and bubbles visible around its head and body. The background is a dark, textured surface, possibly the water's surface or a net.

Questions?

Proportional Standard Error for Discards from East Florida in 2015 by Wave and Mode

Wave	Charter	Private
Jan/Feb	57.3	84.4
Mar/Apr	41.2	72
May/Jun	58.7	57.3
Jul/Aug	60.1	49.2
Sep/Oct	72.6	46.4
Nov/Dec	31.4	75.6

Discard mortality:

Commercial = 0.48

Charter/Headboat = 0.41

Private = 0.39

ABCs and Removals through time

Year	Removals (fish)	ABC (fish)
2011	61,406	64,000
2012	80,516	86,000
2013	72,881 (w/ FL survey) 97,563 (w/ MRIP)	96,000
2014	205,859	106,000
2015	276,729	114,000



Allowable Removals (numbers of fish)	Total Removals (numbers of fish)	Commercial Fishing Season	Recreational Fishing Season	
2012	86,000	Commercial= 13,317 HB= 4,606 Charter= 9,264 Private= 53,329 Total= 80,516	September 17-24; Reopened November 13-21 and December 12-19 (22 days)	Sept 14-17, and Sept 21-24 (6 days)
2013	96,000	Commercial=16,779 HB=20,683 Charter (MRFSS)=5,254 Charter (FL study)=5,395 Private (MRFSS)=54,847 Private (FL study)=29,919 Total (w/ MRFSS)=97,563 Total (w/ FLstudy)=72,776	August 26- October 8 (43 days)	August 23 – August 26 (3 days)
2014	106,000	Commercial=24,827 HB=22,063 Charter=20,619 Private=138,350 Total=205,859	July 14 – September 9 (57 days)	Jul 11-14, Jul 18- 21, Jul 25-27 (7 days)



Look at state versus federal landings of SA red snapper

