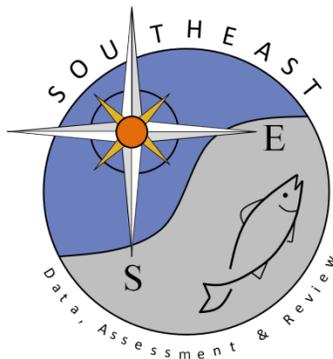


Analysis of MRIP Black Seabass Catch in State vs. Federal Waters

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SEDAR56-WP08

Submitted: 15 December 2017



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Please cite this document as:

Errigo, M. 2017. Analysis of MRIP Black Sea Bass Catch in State vs. Federal Waters. SEDAR56-WP08. SEDAR, North Charleston, SC. 8 pp.

SEDAR56-WP08: Analysis of MRIP Black Seabass Catch in State vs. Federal Waters

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The data used to conduct this analysis were obtained from the MRIP website on May 15, 2017. The survey data for catch and trip were merged and used to obtain the information required for the analysis. Merging of the two datasets is accomplished using a list of common factors, including the angler intercept ID code, area (state, federal, inland waters) and mode (charter, private shore) of the trip, region, sub-region, and state of the trip, and the year, wave, month, and kind of day (weekend vs. week day) the trip took place on.

In order to obtain Black Sea Bass trips and landings for the SAFMC's jurisdiction, all trips had to be filtered out north of Cape Hatteras. All coastal counties from Dare north to Currituck were considered part of the Mid-Atlantic's jurisdiction. All coastal counties from Hyde south to Brunswick were considered part of the South Atlantic. The datasets are built to allow users to filter the data by year, state, area of trip (state waters ≤ 3 mi, federal waters > 3 mi), and mode of trip (charter, private, shore). MRIP's basic effort value is the angler-trip, determined from the angler intercept ID code (ID_CODE), a unique identifier for each angler intercepted. The number of boat trips is determined using the party code (PRT_CODE). This is a unique identifier for each party or group of anglers, defined as a group fishing together on a private or charter vessel. It should be noted that an individual angler fishing from shore is considered 1 angler-trip and 1 boat trip.

Trips, either angler or boat depending on the table, were filtered to only those that caught at least 1 Black Sea Bass. This means the trip either had to land a Black Sea Bass or report discarding one. MRIP breaks the catch down into type A (observed by the dockside interviewer), type B1 (not directly observed, but reported killed), and type B2 (reported discarded alive). For a trip to have been retained in this analysis, $A+B1+B2 > 0$ for Black Sea Bass. The discards of Black Sea Bass were calculated by multiplying the B2 catch for each trip by that trip's associated effort expansion factor. The expansion factor is the total amount of effort attributed to an intercept site at a given time on a given day and is currently determined using the MRIP Coastal Household Telephone Survey (CHTS).

Year	Charter			Private			Shore	All Modes		
	Federal	State	Total	Federal	State	Total	State	Federal	State	Total
2014	27,248	2,032	29,280	111,793	267,839	379,632	107,553	139,041	377,424	516,465
2015	12,852	2,438	15,290	75,264	221,750	297,014	100,579	88,116	324,767	412,883
2016	8,474	3,505	11,979	67,385	237,282	304,667	82,903	75,859	323,690	399,549
Avg	16,191	2,658	18,850	84,814	242,290	327,104	97,012	101,005	341,960	442,966

Year	Charter		Private		All Modes	
	Federal	State	Federal	State	Federal	State
2014	93.1%	6.9%	29.4%	70.6%	26.9%	73.1%
2015	84.1%	15.9%	25.3%	74.7%	21.3%	78.7%
2016	70.7%	29.3%	22.1%	77.9%	19.0%	81.0%
Avg	85.9%	14.1%	25.9%	74.1%	22.8%	77.2%

Year	Shore
2014	20.8%
2015	24.4%
2016	20.7%
Avg	21.9%

Table 4. Location of Angler-Trips by Mode that Caught Black Sea Bass from MRIP data. Federal: outside 3 miles, State: inside 3 miles.										
Year	Charter			Private			Shore	All Modes		
	Federal	State	Total	Federal	State	Total	State	Federal	State	Total
2014	55,158	4,880	60,037	203,015	411,965	614,980	107,553	258,172	524,398	782,570
2015	41,007	4,927	45,934	140,789	330,667	471,455	100,579	181,795	436,173	617,968
2016	27,820	7,322	35,142	113,355	366,132	479,487	82,903	141,175	456,357	597,532
Avg	41,328	5,710	47,038	152,386	369,588	521,974	97,012	193,714	472,309	666,023

Table 5. % Angler-Trips by Mode that Caught BSB in Federal vs. State Waters						
Year	Charter		Private		All Modes	
	Federal	State	Federal	State	Federal	State
2014	91.9%	8.1%	33.0%	67.0%	33.0%	67.0%
2015	89.3%	10.7%	29.9%	70.1%	29.4%	70.6%
2016	79.2%	20.8%	23.6%	76.4%	23.6%	76.4%
Avg	87.9%	12.1%	29.2%	70.8%	29.1%	70.9%

Table 6. % Total BSB Angler-Trips from Shore	
Year	Shore
2014	13.7%
2015	16.3%
2016	13.9%
Avg	14.6%

Table 7. Location of Black Sea Bass Discards by Mode from MRIP data (num). Federal: outside 3 miles, State: inside 3 miles.										
Year	Charter			Private			Shore	All Modes		
	Federal	State	Total	Federal	State	Total	State	Federal	State	Total
2014	720,512	26,801	747,314	2,151,495	1,680,674	3,832,169	353,643	2,872,008	2,061,118	4,933,126
2015	428,264	34,746	463,010	1,146,916	1,485,359	2,632,275	206,318	1,575,180	1,726,423	3,301,603
2016	179,957	29,452	209,409	975,860	1,855,910	2,831,770	171,389	1,155,817	2,056,751	3,212,568
Avg	442,911	30,333	473,244	1,424,757	1,673,981	3,098,738	243,783	1,867,668	1,948,097	3,815,766

Table 8. % BSB by Mode Discarded in Federal vs. State Waters						
Year	Charter		Private		All Modes	
	Federal	State	Federal	State	Federal	State
2014	96.4%	3.6%	56.1%	43.9%	58.2%	41.8%
2015	92.5%	7.5%	43.6%	56.4%	47.7%	52.3%
2016	85.9%	14.1%	34.5%	65.5%	36.0%	64.0%
Avg	93.6%	6.4%	46.0%	54.0%	48.9%	51.1%

Table 9. % Total BSB Disc from Shore	
Year	Shore
2014	7.2%
2015	6.2%
2016	5.3%
Avg	6.4%

Table 10. Location of Black Sea Bass Discards by Mode off NC (num). Federal: outside 3 miles, State: inside 3 miles.										
Year	Charter			Private			Shore	All Modes		
	Federal	State	Total	Federal	State	Total	State	Federal	State	Total
2014	57,352	21,458	78,810	575,264	580,761	1,156,025	64,895	632,616	667,114	1,299,730
2015	52,492	1,563	54,055	615,865	644,441	1,260,306	64,752	668,358	710,756	1,379,114
2016	23,558	3,099	26,657	434,742	1,222,803	1,657,546	111,077	458,301	1,336,979	1,795,280
Avg	44,468	8,707	53,174	541,957	816,002	1,357,959	80,241	586,425	904,950	1,491,375

Table 11. % BSB by Mode Discarded in Federal vs. State Waters off NC						
Year	Charter		Private		All Modes	
	Federal	State	Federal	State	Federal	State
2014	72.8%	27.2%	49.8%	50.2%	48.7%	51.3%
2015	97.1%	2.9%	48.9%	51.1%	48.5%	51.5%
2016	88.4%	11.6%	26.2%	73.8%	25.5%	74.5%
Avg	83.6%	16.4%	39.9%	60.1%	39.3%	60.7%

Table 12. % Total BSB Discards from Shore off NC	
Year	Shore
2014	5.0%
2015	4.7%
2016	6.2%
Avg	5.4%

Table 13. Location of Black Sea Bass Discards by Mode off SC (num). Federal: outside 3 miles, State: inside 3 miles.										
Year	Charter			Private			Shore	All Modes		
	Federal	State	Total	Federal	State	Total	State	Federal	State	Total
2014	445,943	3,278	449,220	601,290	461,317	1,062,607	81,423	1,047,232	546,018	1,593,250
2015	236,798	4,634	241,432	141,806	464,285	606,091	47,982	378,604	516,900	895,505
2016	54,376	14,324	68,700	115,522	379,598	495,120	52,323	169,898	446,246	616,144
Avg	245,706	7,412	253,117	286,206	435,067	721,273	60,576	531,911	503,055	1,034,966

Table 14. % BSB by Mode Discarded in Federal vs. State Waters off SC						
Year	Charter		Private		All Modes	
	Federal	State	Federal	State	Federal	State
2014	99.3%	0.7%	56.6%	43.4%	65.7%	34.3%
2015	98.1%	1.9%	23.4%	76.6%	42.3%	57.7%
2016	79.1%	20.9%	23.3%	76.7%	27.6%	72.4%
Avg	97.1%	2.9%	39.7%	60.3%	51.4%	48.6%

Table 15. % Total BSB Discards from Shore off SC	
Year	Shore
2014	5.1%
2015	5.4%
2016	8.5%
Avg	5.9%

Table 16. Location of Black Sea Bass Discards by Mode off GA (num). Federal: outside 3 miles, State: inside 3 miles.

Year	Charter			Private			Shore	All Modes		
	Federal	State	Total	Federal	State	Total	State	Federal	State	Total
2014	117,310	113	117,423	218,087	39,252	257,339	153,440	335,397	192,804	528,202
2015	47,199	425	47,624	91,577	58,528	150,106	34,679	138,777	93,632	232,409
2016	15,837	16	15,853	23,536	36,165	59,701	6,789	39,373	42,971	82,344
Avg	60,116	185	60,300	111,067	44,648	155,715	64,969	171,182	109,802	280,985

Table 17. % BSB by Mode Discarded in Federal vs. State Waters off GA

Year	Charter		Private		All Modes	
	Federal	State	Federal	State	Federal	State
2014	99.9%	0.1%	84.7%	15.3%	63.5%	36.5%
2015	99.1%	0.9%	61.0%	39.0%	59.7%	40.3%
2016	99.9%	0.1%	39.4%	60.6%	47.8%	52.2%
Avg	99.7%	0.3%	71.3%	28.7%	60.9%	39.1%

Table 18. % Total BSB Discards from Shore off GA

Year	Shore
2014	29.0%
2015	14.9%
2016	8.2%
Avg	23.1%

Table 19. Location of Black Sea Bass Discards by Mode off FL (num). Federal: outside 3 miles, State: inside 3 miles.

Year	Charter			Private			Shore	All Modes		
	Federal	State	Total	Federal	State	Total	State	Federal	State	Total
2014	99,907	1,953	101,860	756,855	599,344	1,356,198	53,886	856,762	655,182	1,511,944
2015	91,774	28,124	119,898	297,668	318,104	615,772	58,905	389,442	405,134	794,576
2016	86,186	12,013	98,199	402,060	217,343	619,403	1,199	488,246	230,556	718,801
Avg	92,622	14,030	106,652	485,527	378,264	863,791	37,997	578,150	430,290	1,008,440

Table 20. % BSB by Mode Discarded in Federal vs. State Waters off FL

Year	Charter		Private		All Modes	
	Federal	State	Federal	State	Federal	State
2014	98.1%	1.9%	55.8%	44.2%	56.7%	43.3%
2015	76.5%	23.5%	48.3%	51.7%	49.0%	51.0%
2016	87.8%	12.2%	64.9%	35.1%	67.9%	32.1%
Avg	86.8%	13.2%	56.2%	43.8%	57.3%	42.7%

Table 21. % Total BSB Discards from Shore off FL

Year	Shore
2014	3.6%
2015	7.4%
2016	0.2%
Avg	3.8%