

**NOAA
FISHERIES**

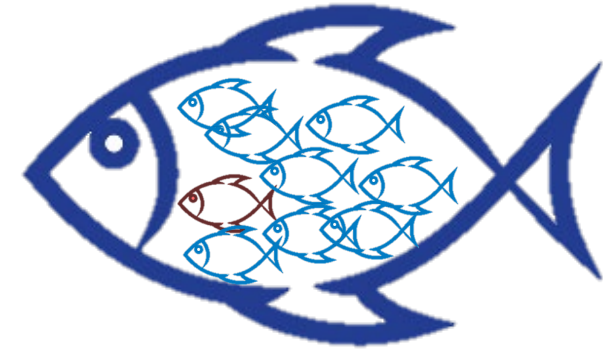
Tab B, No. 8(ai)

Amendment 58A

Distribution of Scamp Complex and Black Grouper Complex Shares

Analyses Details and Conditions

- Quota used in examples:
 - Black Grouper Complex: 227,000 lb
 - Scamp Complex: 70,000 lb*
- Percentage of landings formula
 - Based on IFQ account and total *landings*
 - $Shares \%_{Account} = \frac{\sum Landings_{Account}}{\sum Landings_{Total}}$



Total landings are the sum of all landings during the time series.

An account's percentage is their landings divided by the total landings.

- Percentage based on 50/50 formula
 - $Shares \%_{Account} = \left(\frac{\sum Landings_{Account}}{\sum Landings_{Total}} * 0.5 \right) + (OSWG \%_{Account} * 0.5)$

* IFQ quota is rounded down as down since the program began.

Analyses Details and Conditions

- Compares shift in share distribution by accounts based on share and landing status across alternatives
 - Shares and Landings
 - Shares and No Landings
 - No Shares and Landings
 - No Shares and No Landings
- Following tables show summed shares by type
- Individual account examples based on real-world behaviors
 - Individual results vary by shares and landings type
 - Results generated from decision tool

Black Grouper Complex Comparison

2024 Shares	2024 Landings	
	No Landings	Landings
No Shares	0%	0%
Shares	79%	21%

Landings	2011-2024		2016-2024		2020-2024	
	No Land.	Land.	No Land.	Land.	No Land.	Land.
No Shares	0%	51%↑↑↑	0%	54%↑↑↑	0%	60%↑↑↑
Shares	0% ↓↓	49% ↑↑	0% ↓↓	46% ↑↑	0% ↓↓	40% ↑↑

50/50	2011-2024		2016-2024		2020-2024	
	No Land.	Land.	No Land.	Land.	No Land.	Land.
No Shares	0%	26% ↑↑	0%	27% ↑↑	0%	30% ↑↑
Shares	25% ↓	49% ↑↑	30% ↓	43% ↑↑	30% ↓	40% ↑↑

Black Grouper Complex Comparison Key Take-aways

- Landings Scenarios
 - The majority of the share reallocation is from IFQ accounts with shares and no landings to IFQ accounts with landings and no shares.
 - Total shares for IFQ accounts with shares and landings increase under all time series, more than doubling for the longer time series.
- 50/50 Scenarios
 - While the IFQ accounts with no shares and landings receive shares, it is nearly half of what is received under the Landings scenario.
 - Total shares for IFQ accounts with shares and landings increase under all time series and is similar to Landings scenario.

Scamp Complex Comparison

2024 Shares	2024 Landings	
	No Landings	Landings
No Shares	0%	0%
Shares	45%	55%

Landings	2011-2024		2016-2024		2020-2024	
	No Land.	Land.	No Land.	Land.	No Land.	Land.
No Shares	0%	44% ↑↑↑	0%	49% ↑↑↑	0%	59% ↑↑↑
Shares	0% ↓↓	56% ↑	0% ↓↓	51% ↑	0% ↓↓	41% ↓

50/50	2011-2024		2016-2024		2020-2024	
	No Land.	Land.	No Land.	Land.	No Land.	Land.
No Shares	0%	22% ↑↑	0%	25% ↑↑	0%	29% ↑↑
Shares	20% ↓	58% ↑	22% ↓	53% ↓	22% ↓	48% ↓

Scamp Complex Comparison Key Take-aways

- Landings Scenarios
 - The majority of the share reallocation is from IFQ accounts with shares and no landings to IFQ accounts with landings and no shares.
 - Under the longest time series, total shares for IFQ accounts with shares and landings increase slightly compared to OSWG shares. Under the other time series, overall shares for these same IFQ accounts decrease by 4% and 14%.
- 50/50 Scenarios
 - This scenario reduces overall shares for IFQ accounts with shares and no landings, with the largest decrease occurring for the shortest time series.
 - Total shares for IFQ accounts with shares and landings increase under the longest time series, and decrease under the shorter time series, but less than under the Landings scenarios.

Individual Examples

- Modified data from actual accounts to show real-life shares under various scenarios
- Data inputs:
 - Current OSWG shares
 - Annual landings for species in Black grouper complex
 - Annual landings for species in Scamp complex
- Scenarios:
 - Shares and Landings, buys additional allocation
 - Shares and No Landings
 - No shares and Landings

Maximum Shares

Allocation from Shares		
Alternative	Black Grouper Complex Allocation	Scamp Complex Allocation
Current Shares	4.4333%	4.4333%
2011 – 2024 Landings	5.31%	4.891%
2016 – 2024 Landings	5.95%	2.674%
2020 – 2024 Landings	10%	3.116%
50/50 2011 – 2024	4.406%	4.66%
50/50 2016 – 2024	4.399%	3.554%
50/50 2020 – 2024	5%	2.641%

IFQ Accounts with Landings		
Alternative	Black Grouper Complex Allocation	Scamp Complex Allocation
2024	97	260
2011 – 2024 Landings	302	471
2016 – 2024 Landings	247	428
2020 – 2024 Landings	188	371

Maximum shares received under each scenario. To set share caps, analyses would be by individuals in each account and therefore may be higher than maximum amount given to any one account.

There are less shareholder accounts landings Black grouper complex species than Scamp complex species.

The number of accounts with landings for either complex has decreased over time.

Example 1: Shares and Landings; Purchased additional allocation

- OSWG Shares: 0.0047% (equal to 25 lb of SWG allocation in 2025)
- Previously landed Black Grouper complex and Scamp complex species

Allocation from Shares		
Alternative	Black Grouper Complex Allocation	Scamp Complex Allocation
OSWG Share %	11	3
2011 – 2024 Landings	1,148	121
2016 – 2024 Landings	2,181	217
2020 – 2024 Landings	2,062	422
50/50 2011 – 2024	579	64
50/50 2016 – 2024	1,096	112
50/50 2020 – 2024	1,036	214

Shares		
Alternative	Black Grouper Complex Shares	Scamp Complex Shares
OSWG Share %	0.0047%	0.0047%
2011 – 2024 Landings	0.5056% ↑	0.0832% ↑
2016 – 2024 Landings	0.9608% ↑	0.1483% ↑
2020 – 2024 Landings	0.9085% ↑	0.2888% ↑
50/50 2011 – 2024	↓ 0.2551% ↑	↓ 0.0439% ↑
50/50 2016 – 2024	↓ 0.4828% ↑	↓ 0.0765% ↑
50/50 2020 – 2024	↓ 0.4566% ↑	↓ 0.1467% ↑

Average Annual Landings		
Time Series	BG Complex	Scamp Complex
2011 – 2024 Landings	197	134
2016 – 2024 Landings	306	209
2020 – 2024 Landings	252	324

Right arrows compare to OSWG %
Left arrows compare Landings to 50/50

Example 2: Shares and Landings; No Black Grouper Complex

- OSWG Shares: 0.0047% (equal to 25 lb of SWG allocation in 2025)
- No Black Grouper complex landings

Allocation from Shares		
Alternative	Black Grouper Complex Allocation	Scamp Complex Allocation
OSWG Share %	11	3
2011 – 2024 Landings	0	13
2016 – 2024 Landings	0	8
2020 – 2024 Landings	0	0
50/50 2011 – 2024	5	8
50/50 2016 – 2024	5	6
50/50 2020 – 2024	5	2

Shares		
Alternative	Black Grouper Complex Shares	Scamp Complex Shares
OSWG Share %	0.0047%	0.0047%
2011 – 2024 Landings	0% ↓	0.0184% ↑
2016 – 2024 Landings	0% ↓	0.0111% ↑
2020 – 2024 Landings	0% ↓	0% ↓
50/50 2011 – 2024	↑ 0.0024% ↓	↓ 0.0115% ↑
50/50 2016 – 2024	↑ 0.0024% ↓	↓ 0.0079% ↑
50/50 2020 – 2024	↑ 0.0024% ↓	↓ 0.0024% ↓

Average Annual Landings		
Time Series	BG Complex	Scamp Complex
2011 – 2024 Landings	0	46
2016 – 2024 Landings	0	35
2020 – 2024 Landings	0	0

Right arrows compare to OSWG %
Left arrows compare Landings to 50/50

Example 3: Shares and No Landings

- OSWG Shares: 0.0047% (equal to 25 lb of SWG allocation in 2025)
- No Black Grouper or Scamp complex landings

Allocation from Shares		
Alternative	Black Grouper Complex Allocation	Scamp Complex Allocation
OSWG Share %	11	3
2011 – 2024 Landings	0	0
2016 – 2024 Landings	0	0
2020 – 2024 Landings	0	0
50/50 2011 – 2024	5	2
50/50 2016 – 2024	5	2
50/50 2020 – 2024	5	2

Shares		
Alternative	Black Grouper Complex Shares	Scamp Complex Shares
OSWG Share %	0.0047%	0.0047%
2011 – 2024 Landings	0% ↓	0% ↓
2016 – 2024 Landings	0% ↓	0% ↓
2020 – 2024 Landings	0% ↓	0% ↓
50/50 2011 – 2024	↑ 0.0024% ↓	↑ 0.0024% ↓
50/50 2016 – 2024	↑ 0.0024% ↓	↑ 0.0024% ↓
50/50 2020 – 2024	↑ 0.0024% ↓	↑ 0.0024% ↓

Average Annual Landings		
Time Series	BG Complex	Scamp Complex
2011 – 2024 Landings	0	105
2016 – 2024 Landings	0	133
2020 – 2024 Landings	0	211

Right arrows compare to OSWG %
Left arrows compare Landings to 50/50

Example 4: No Shares and Landings

- OSWG Shares: 0%
- Previously high landings Black Grouper complex and Scamp complex species

Allocation from Shares		
Alternative	Black Grouper Complex Allocation	Scamp Complex Allocation
OSWG Share %	0	0
2011 – 2024 Landings	6,800	1,247
2016 – 2024 Landings	5,360	1,315
2020 – 2024 Landings	3,786	670
50/50 2011 – 2024	3,400	623
50/50 2016 – 2024	2,680	657
50/50 2020 – 2024	1,893	335

Shares		
Alternative	Black Grouper Complex Shares	Scamp Complex Shares
OSWG Share %	0%	0%
2011 – 2024 Landings	2.9954% ↑	1.7808% ↑
2016 – 2024 Landings	2.3610% ↑	1.8783% ↑
2020 – 2024 Landings	1.6679% ↑	0.9572% ↑
50/50 2011 – 2024	↓ 1.4977% ↑	↓ 0.8904% ↑
50/50 2016 – 2024	↓ 1.1805% ↑	↓ 0.9392% ↑
50/50 2020 – 2024	↓ 0.8339% ↑	↓ 0.4786% ↑

Average Annual Landings		
Time Series	BG Complex	Scamp Complex
2011 – 2024 Landings	1,166	2,876
2016 – 2024 Landings	752	2,634
2020 – 2024 Landings	463	1,073

Right arrows compare to OSWG %
Left arrows compare Landings to 50/50

Example 5: Large Shareholder, Higher Landings

- OSWG Shares: 3.4% (17,850 lb from shares in 2025)
- High landings Black Grouper complex and Scamp complex species most years, allocation from shares remaining

Allocation from Shares		
Alternative	Black Grouper Complex Allocation	Scamp Complex Allocation
OSWG Share %	7,718	2,380
2011 – 2024 Landings	9,163	1,247
2016 – 2024 Landings	10,183	1,189
2020 – 2024 Landings	9,302	1,153
50/50 2011 – 2024	8,440	1,813
50/50 2016 – 2024	8,951	1,784
50/50 2020 – 2024	8,510	1,767

Shares		
Alternative	Black Grouper Complex Shares	Scamp Complex Shares
OSWG Share %	3.4000%	3.4000%
2011 – 2024 Landings	4.0365% ↑	1.7807% ↓
2016 – 2024 Landings	4.4860% ↑	1.6986% ↓
2020 – 2024 Landings	4.0980% ↑	1.6475% ↓
50/50 2011 – 2024	↓ 3.7182% ↑	↑ 2.5904% ↓
50/50 2016 – 2024	↓ 3.9430% ↑	↑ 2.5493% ↓
50/50 2020 – 2024	↓ 3.7490% ↑	↑ 2.5237% ↓

Average Annual Landings		
Time Series	BG Complex	Scamp Complex
2011 – 2024 Landings	1,571	2,876
2016 – 2024 Landings	1,429	2,390
2020 – 2024 Landings	1,138	1,847

Right arrows compare to OSWG %
Left arrows compare Landings to 50/50

Examples Summary

Example	Shares	Landings	Buys Alloc.	Landings Scenario	50/50 Scenario
1	Yes	BG Scamp	Yes	<ul style="list-style-type: none"> BG Complex and Scamp Complex shares <u>increase</u> 	<ul style="list-style-type: none"> BG Complex and Scamp Complex shares <u>increase</u>, <i>but not as high as Landings scenario</i>
2	Yes	Scamp only prior 2020	Yes	<ul style="list-style-type: none"> BG Complex shares <u>decrease</u> (no landings) Scamp Complex <u>increases</u> 	<ul style="list-style-type: none"> BG Complex shares <u>decrease</u> (no landings) Scamp complex shares <u>variable</u> based on years with landings
3	Yes	None	No	<ul style="list-style-type: none"> Both complex shares <u>decrease</u> to zero (no landings) 	<ul style="list-style-type: none"> Both complexes shares <u>decrease</u>
4	No	BG Scamp	Yes	<ul style="list-style-type: none"> BG and Scamp complex shares <u>increase</u>, variable increases depending on time series 	<ul style="list-style-type: none"> BG and Scamp complex shares <u>increase</u>, <i>but not as high as under the Landings scenario</i>
5	Yes (H)	BG Scamp	No, alloc. remaining	<ul style="list-style-type: none"> BG Complex <u>increases</u>, Scamp complex <u>decreases</u> 	<ul style="list-style-type: none"> BG Complex <u>increases</u>, Scamp complex <u>decreases</u> <i>Scamp greater under 50/50, while BG greater under Landings</i>



Conclusions

- There is no one pattern that fits all examples for the Landings and 50/50 scenarios
- Individual increases or decreases in shares is largely driven by which years had landings and degree of landings compared to total landings
- Accounts with remaining allocation from shares typically receive lower shares under both the Landings and 50/50 scenarios
- Decision tool will allow fishermen to predict their shares under each scenario based on their current shares and annual landings by complex
 - IFQ website tool assists fishermen in populating the decision tool listed as Landings Summary By Species
 - See Fishery Bulletin [FB24-080](#) from December 2024 for help

Step 1. Enter your shares and landings below

Enter Current OSWG Shares

Use the View Landings Summary By Species IFQ view to see your landings. You must add together Black grouper with Yellowfin Grouper and Scamp with Yellowmouth Grouper.

Enter Landings Black Grouper & Yellowfin Grouper	
Year	Landings (lb gw)
2011	-
2012	-
2013	-
2014	-
2015	-
2016	-
2017	-
2018	150
2019	256
2020	795
2021	485
2022	66
2023	32
2024	28

Enter Landings Scamp & Yellowmouth Grouper	
Year	Landings (lb gw)
2011	10
2012	300
2013	-
2014	-
2015	-
2016	100
2017	-
2018	1,000
2019	2,547
2020	800
2021	1,570
2022	410
2023	1,093
2024	588

Data Model Information

Model Alternatives	
Alt 1	Current OSWG shares
Alt 2A	2011-2024 Landings
Alt 2B	2016-2024 Landings
Alt 2C	2020-2024 Landings
Alt 3A	50%: 2011-2024 Landings; 50% current OSWG shares
Alt 3B	50%:2016-2024 Landings; 50% current OSWG shares
Alt 3C	50%: 2020-2024 Landings, 50% current OSWG shares

Data Model Outputs

Alternative	Black & Yellowfin Grouper	Scamp and Yellowmouth Grouper
Alt 1	1.0000%	1.0000%
Alt 2A	0.3325%	0.3723%
Alt 2B	0.6319%	0.6403%
Alt 2C	1.0130%	0.7957%
Alt 3A	0.6663%	0.6861%
Alt 3B	0.8160%	0.8201%
Alt 3C	1.0065%	0.8979%

Step 2. Select Action2 3 & 6 Alternative with 4% buffer

Select Alternative

Scamp complex quota
 Black grouper complex quota

Allocation from SWG shares in 2025:

Allocation received from shares

	Black Grouper & Yellowfin Grouper Allocation	Scamp & Yellowmouth Grouper Allocation
Alt 1	2,270	700
Alt 2A	755	261
Alt 2B	1,434	448
Alt 2C	2,299	557
Alt 3A	1,512	480
Alt 3B	1,852	574
Alt 3C	2,285	629

Decision Tool

- Fishermen enter data in Step 1
 - Shares as percentage
 - Landings by complex
- Fishermen select quota alternatives from drop down in Step 2
 - Preferred is Alt 2b 38.6% to commercial
 - Note that IFQ quota is rounded down for distribution
- Results show in Data Model Outputs (shares) and Allocation received from shares for each alternative