



THE SOUTH ATLANTIC FISHERY MANAGEMENT COUNCIL

# **Management Changes/Actions Needed in Response to the Results of SEDAR 68 (Scamp/Yellowmouth Grouper)**

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# MSA Requirements: Current Approved Levels

Criteria	Abbreviation	Current Value
Maximum Sustainable Yield	MSY	Unknown
Fishing Mortality MSY	$F_{MSY}$	Proxy 30% Static SPR (Amendment 11)
Biomass MSY	$B_{MSY}$	Unknown
Maximum Fishing Mortality Threshold	MFMT	Unknown
Spawning Stock Biomass at MSY	$SSB_{MSY}$	Unknown
Minimum Stock Size Threshold	MSST	$SSB_{MSY} * (1-M)$ or $* 0.5$ , whichever is greater
Optimum Yield	OY	Set = ABC/ACL (Amendment 29)
Overfishing Limit	OFL	Unknown
Acceptable Biological Catch	ABC	Scamp = 373,049 lbs ww Yellowmouth included in SWG (tot = 104,190)
Annual Catch Limit	ACL	Scamp = 335,744 lbs ww Yellowmouth included in SWG (tot = 104,190)



# SEDAR 68 Operational Assessment

- Aggregated Scamp and Yellowmouth Grouper Catch
  - Current ABCs and ACLs are not combined with each other
- Resulting catch levels provided landings and discards COMBINED
  - Current ABCs and ACLs in landings only
  - MRIP landings highly uncertain ( $PSE \geq 50$ ) in some years and used average of surrounding years
  - MRIP discards highly uncertain ( $PSE \geq 50$ ) in most years and regression analysis was used to estimate discards



# Scamp/Yellowmouth Related Actions to Incorporate Catch Recommendations

- Develop new Scamp/Yellowmouth Grouper Complex
  - Will need to remove Yellowmouth from SWG<sup>1</sup>
  - Will need to create a new complex
- Consider SPR Proxy included in the assessment and recommended by SSC
  - Will need to consider proxy included in the assessment
  - Staff have requested run with current proxy (30% static spawning stock biomass per recruit (SPR))
- Develop appropriate values for sustainable harvest
  - Create new MSY, MFMT,  $SSB_{MSY}$ , MSST values for complex
  - Create OY for the complex
  - Create OFL, ABC, and ACL for the complex as recommended by SSC<sup>2</sup>

<sup>1</sup> Council may consider updating the Shallow Water Grouper (SWG) ABC/ACL from CHTS and adjust allocations

<sup>2</sup> Council may consider different approaches to setting ACL



# MSA Requirements: Based on SEDAR 68 Results

## Long-Term Catch Recommendations

Criteria	SEDAR 68 30% SPR Proxy	SEDAR 68 40% SPR Proxy
$F_{MSY}$		.28
MSY		372,280 lbs ww
$B_{MSY}$		1,503,870 lbs ww
$SSB_{MSY}$		1,068,800 lbs ww
MSST		801,600 lbs ww
Overfished $SSB_{2021}/MSST$		Yes (0.36)
Overfishing $F_{19-21}/F_{MSY}$	No	No (0.91)
OY		

## Short-Term Catch Recommendations

Criteria	SEDAR 68 30% SPR Proxy	SEDAR 68 40% SPR Proxy
OFL		
ABC		
ACL		
OY		

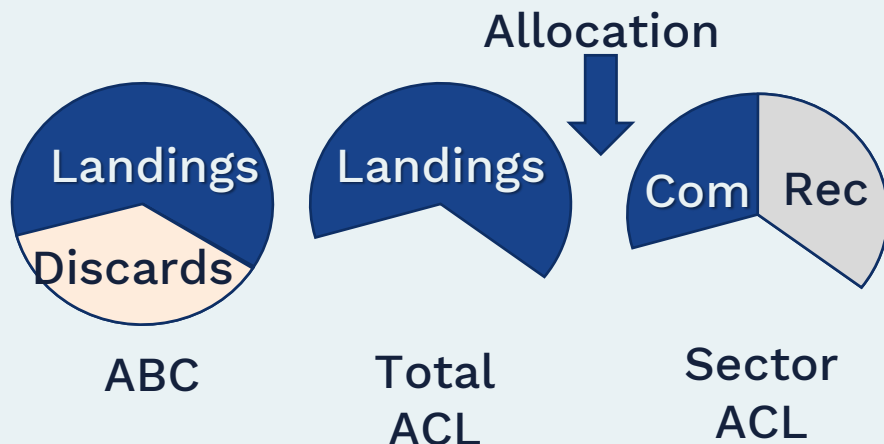
$F_{MSY}$  Proxy, OY, and ACL are Council Decisions



# Setting Sector ACL from ABC

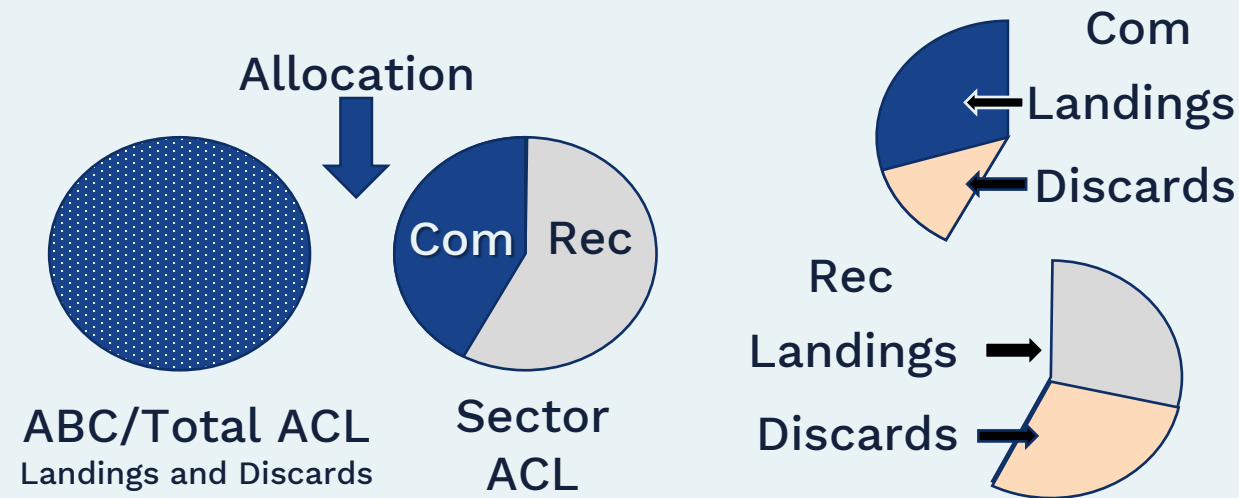
## Typical Approach

- ABC – split into landings and discards
- Total ACL reduced or equal to Landings ABC
- Landings ACL – landings allocated to sectors



## Another Approach

- Total ACL reduced from or equal to ABC
- ACL allocated to sector for landings and discards
- Sector Landings ACL reduced based on discards





# Next Steps

- Approve beginning an amendment
- SSC provide ABCs for both MSY proxies