



# **SEDAR 78 Spanish Mackerel Operational Assessment Summary and Background**

Provided to:

South Atlantic Fishery Management Council's  
Scientific and Statistical Committee  
April 2023 Meeting

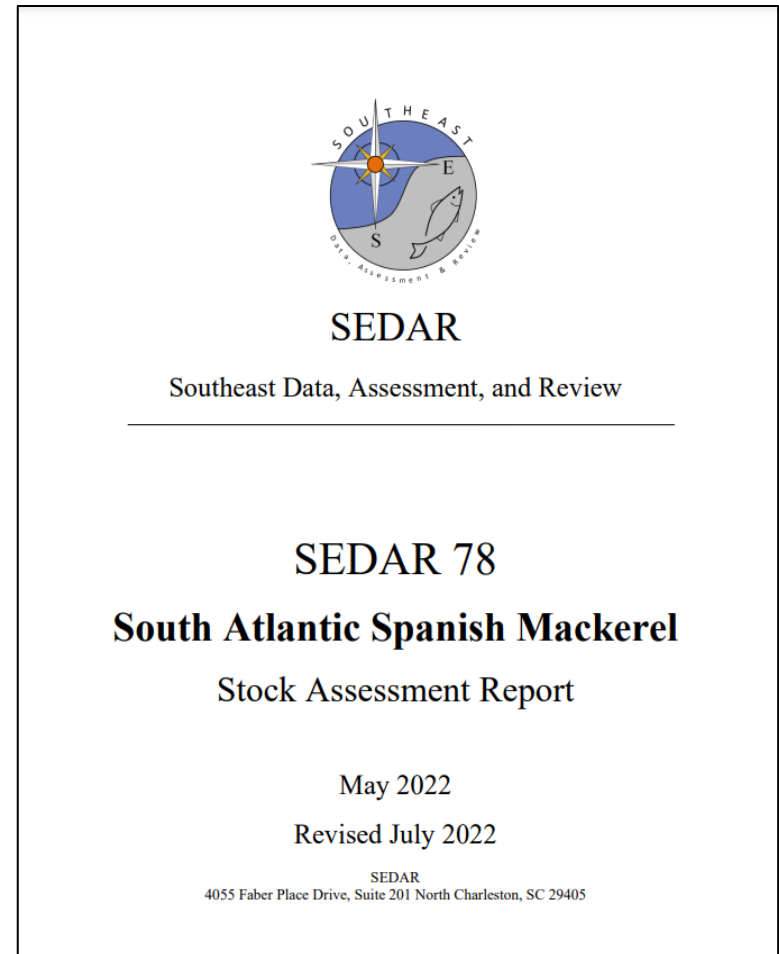
# Setting ABCs for Spanish Mackerel

- Current ABC for Spanish Mackerel:
  - SEDAR 28 (2012)
  - ABC-CR: CMP Amendment 18 (2011)
  - Spanish Mackerel (2012): the SSC deviated from the ABC-CR and recommended using the 3<sup>rd</sup> highest landings from 1999 to 2008 as the ABC  
*(NOTE: Spanish Mackerel current ABC is based on SEDAR 28 and is in MRIP-CHTS units)*

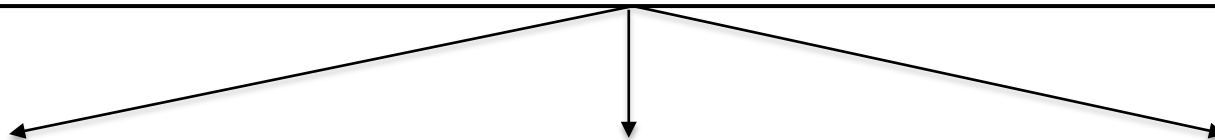


# SEDAR 78 Operational Assessment

- Revised assessment completed July 2022
- Methods guided by SEDAR 28 (2012)
- Not overfished:  
 $SSB_{2020}/MSST = 1.4$
- Not undergoing overfishing:  
 $F_{2018-2020}/F_{msy} = 0.74$



# Setting ABCs



## S78 Accepted

- Stock status from S78 assessment
- Apply ABC Control Rule
- ABC → determined from projections

## S78 Partially Accepted

- Stock status from S78 assessment
- Deviate from ABC Control Rule
- ABC → alternate method:
  - 3<sup>rd</sup> highest landings
  - Equilibrium OY
  - Yield at 75%Fmsy
  - Others

## S78 Rejected

- Stock status to be determined, possibly becomes 'unknown'
- NOAA-NMFS Procedure 01-101-11
- Deviate from ABC Control Rule
- ABC → alternate method



# SSC Meeting – April 2023

## 6.5 Action

- **Determine whether the current SEDAR 78 operational assessment is sufficient for providing management advice.**
- **Provide values for OFL and ABC and make catch level recommendations for each proxy.**

