



SOUTH ATLANTIC FISHERY MANAGEMENT COUNCIL

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South Atlantic Spanish Mackerel Revised Operational Assessment Terms of Reference

January 20, 2023

1. Use a more contemporary M estimation method (e.g., Hamel and Cope 2022) to obtain a point estimate. Alternatively, take the average M estimated for congeners within other regions worldwide.
2. Consider applying a uniform distribution (non-truncated?) on M with a range of values corresponding to a maximum age +/- 2 with the mean equal to the chosen point estimate when conducting the MCB ensemble uncertainty analysis Monte Carlo draws
3. Consider a sensitivity run with the most recent 3-year (2018-2020) (geometric) average representing 2020 data point. Alternatively, consider a sensitivity run with the most recent 3-year (2018-2020) (geometric) average weighted by reverse-CV representing 2020 data point. Evaluate and note in the report any particular concerns or problems with the MRIP data collected in 2020.
4. Use a recent average recruitment instead of model-derived recruitment from the stock-recruit relationship. Determine an appropriate MSY proxy and timeseries for average recruitment.