SEDAR

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South Atlantic Red Snapper

Operational Assessment Terms of Reference Draft

1. Update the approved South Atlantic Red Snapper SEDAR 41 model with data through 2019. Provide a model consistent with the previous assessment configuration and revised models as necessary to incorporate and evaluate any changes allowed for this update. Apply the current BAM configuration incorporating approved improvements developed since SEDAR 41.
2. Evaluate and document the following specific changes in input data or deviations from the benchmark model.
    - Include the revised MRIP recreational estimates.
    - Consider including as an estimate of recreational catch, the alternative (non- MRIP) estimates of catch during recent open seasons that are used to evaluate the Annual Catch Limit.
    - Include any new and updated information on discard mortality rate.
    - Calculate different F metrics (other than apical F) to evaluate the status of the stock (to address shifts in the age of apical F throughout the assessment time series).
    - Address SSC selectivity concerns
        1. Consider the results of the FLFWRI cooperative research 2018 study "First direct assessment of the size-selectivity of hook and line gear, Chevron traps, and underwater cameras for Red Snapper and other reef fishes in the U.S. South Atlantic" in upcoming assessments for Red Snapper:.
        2. Re-evaluate if different selectivities can be used within the combined Chevron trap/video (CVID) index or whether the Chevron traps and the video should continue to be combined as a single CPUE index given the differences in selectivity found in the 2018 FL FWRI study
        3. Re -evaluate the shape of the SERFS Chevron trap selectivity curve (flat-topped vs. dome-shaped)."
3. Document any changes or corrections made to model and input datasets and provide updated input data tables. Provide commercial and recreational landings and discards in pounds and numbers.
4. Update model parameter estimates and their variances, model uncertainties, estimates of stock status and management benchmarks, and provide the probability of overfishing occurring at specified future harvest and exploitation levels.

5. Convene a panel of several SSC representatives to meet via webinar and in-person, as needed to review model development and provide guidance.
    - Hold an in-person Data Workshop, including a panel of SSC members to review the alternative recreational datasets that exist, and the selectivity issues regarding the Chevron trap and video indices.
6. Develop a stock assessment report to address these TORs and fully document the input data, methods, and results.