SEDAR

SouthEast Data, Assessment, and Review

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SEDAR 66 South Atlantic Tilefish Assessment
Terms of Reference

1. Prepare a standard assessment, based on the approved 2016 SEDAR 25 South Atlantic Tilefish Update assessment with data through 2018. Provide commercial and recreational landings and discards in pounds and numbers.

2. Evaluate and document the following specific changes in input data or deviations from the update model. (List below each topic or new dataset that will be considered in this assessment.)

   - Incorporate the latest BAM model configurations and updates to data calculation methodologies, detailing the changes made between the 2016 SEDAR 25 South Atlantic Tilefish Update assessment model and the proposed SEDAR 66 model.

   - Examine evidence for changing selectivity in input data sources and consider implementing time blocks if warranted.

   - Re-consider error distributions for fitting age and length composition data.

   - Investigate the potential use of the following new data sources

     o CRP Cooperative Bottom Longline Survey to Augment Fishery Independent Reef Fish Data Collection in Deepwater Snapper Grouper

     o G. Nesslage FATE project

3. Document any changes or corrections made to the model and input datasets and provide updated input data tables. Fully document and describe the impacts (on population parameters and management benchmarks) of any changes to the model structure, methods, application or fitting procedures made between this assessment and the 2016 SEDAR 25 South Atlantic Tilefish Update assessment.

4. Update model parameter estimates and their variances, model uncertainties, and estimates of stock status and management benchmarks. Compare population parameter trends and management benchmarks estimated in this assessment with values from the previous assessment, and comment on the impacts of changes in data, assumptions or assessment methods on estimated population conditions and benchmarks.

5. Provide stock projections, including a probability density function (PDF for biological reference point estimates and yield separated for landings and discards reported in pounds and numbers. Projection results are requested for 5 years from the start of the alternative fishing mortality levels. (The specific years for projections will be determined once the terminal year and schedule are known). The panel shall provide guidance on appropriate assumptions to address harvest and

mortality levels in the interim years between the assessment terminal year (2018) and the first year of management (2020).   Projection criteria:

- To determine OFL: (1) $P^* = 50\%$; (2) F_{MSY}

- To determine ABC: (1) $P^* = 30\%$; (2) $75\% F_{MSY}$

6. Review, evaluate, and report on the status and progress of all research recommendations listed in the last assessment, peer review reports, and SSC report concerning this stock.

7. Develop a stock assessment update report to address these TORS and fully document the input data, methods, and results of the stock assessment update.

NOTE: This assessment will follow a Standard Assessment Approach.