



SEDAR

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SEDAR 55 South Atlantic Vermilion Snapper Assessment*

Terms of Reference

1. Update the approved 2012 SEDAR 17 South Atlantic Vermilion Snapper Update assessment with data through 2016. Provide commercial and recreational landings and discards in pounds and numbers. Provide a model consistent with the 2012 SEDAR 17 Update assessment configuration and revise configurations as necessary to incorporate and evaluate any changes in model inputs or parameterization approved during this assessment.
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.)
 - Consider the inclusion of the SERFS video index
 - Incorporate the latest BAM model configurations, and detail the changes made, and impacts of those changes, between the 2012 SEDAR 17 update model and the proposed SEDAR 55 model.
 - Re-consider error distributions for fitting age and length composition data
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 2012 SEDAR 17 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 pdf for biological reference point estimates and yield separated for landings and discards reported in pounds and numbers. Projection results are required through 2023, with projected fishing level changes beginning in 2019. However, it is possible the SAFMC could take action as early as mid-2018 and the panel is asked how this should be addressed in the projections. The panel shall provide guidance on appropriate assumptions to address harvest and mortality levels in the interim years between the assessment terminal year (2016) and the first year of management (2019). Projection criteria:
 - To determine OFL: (1) $P^* = 50\%$; (2) F_{msy}
 - To determine ABC: (1) $P^* = 40\%$; (2) $75\%F_{msy}$



6. 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.