



SOUTH ATLANTIC FISHERY MANAGEMENT COUNCIL

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Scientific and Statistical Committee

MRIP Data Workshop

August 19-21, 2019

Town and Country Inn

2008 Savannah Highway

Charleston, SC 29401

Terms of Reference

1. Review and describe the sources of disparity between CHTS and FES estimates of recreational effort for SAFMC managed stocks, considering the impacts of the effort survey change and SEFSC post-processing.
 - a. Describe for a set of SAFMC managed species currently in the SEDAR process how the sources of disparity between CHTS and FES affect the FES catch estimate time series, with attention on trends, uncertainty, and potential outliers.
 - i. Red Porgy, Greater Amberjack, King Mackerel, Golden Tilefish, and Gag.
 - b. Review SEFSC post-survey processing and determine what portion of the difference in catch estimates is due to (1) the change from CHTS to FES vs. (2) the post-survey processing of the data by the SEFSC.
 - i. Does this post-survey processing have a larger effect in certain circumstances?
 - ii. Are there any patterns in post-survey processing that might affect the disparity between the CHTS and FES estimates?
 - c. Identify a set of critical factors (e.g. spatial/temporal coverage of the data that were used in analysis for extrapolation, decision to exclude outlier/abnormal data points, error structures/statistical distributions used in analyses, etc.) most likely to contribute to CHTS/FES disparities for species managed by the South Atlantic Council.
 - i. Describe how the sources of disparity and data issues identified for the 5 species examined above may affect estimates for other SAFMC species.
 - ii. Review recreational catch estimates for species currently being assessed (Golden Tilefish, Greater Amberjack, Red Porgy).

2. Establish approaches for the use of FES estimates for unassessed species
 - a. Compare current ABC values to updated values based on the revised estimates and determine if any further information or analysis is needed for the SSC to provide updated ABC recommendations for unassessed stocks using the revised MRIP estimates.
 - i. This could include a re-evaluation of the time series used as a time of stable effort for the ORCS methodology.
 - b. Consider whether the current ABC control rule is adequate for developing ABC estimates using the revised MRIP estimates. If it is not adequate, recommend specific changes the Council should consider.
 - i. This could include different approaches for incorporating large amounts of uncertainty into the estimation of the ABC using differing statistical methods, such as a Bayesian statistical framework with noninformative / uninformative priors.