SEDAR

SouthEast Data, Assessment, and Review

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SEDAR 43 Gulf of Mexico Gray Triggerfish
Assessment Terms of Reference
Updated: December 2014

1. Using data through 2013, provide a model consistent with the previous assessment configuration to incorporate and evaluate any recommended changes for this assessment.

2. Evaluate and document the following specific changes in input data or deviations from the benchmark model previous assessment model.

   • Review updated life history information (age and growth, mortality, and reproductive parameters)
   • Evaluate the effect of circle hooks on fishery dependent catch rates of gray triggerfish.
   • If warranted, incorporate a change in catchability and or selectivity due to the implementation of circle-hooks.
   • Review the stock recruitment relationship related to males only, females only, and males and females combined.
   • Evaluate the fishery-independent video and trap surveys conducted by NMFS Panama City Lab and FWRI.

3. Document any revisions or corrections made to the model and input datasets, and provide updated input data tables. Provide commercial and recreational landings and discards in numbers and weight (pounds).

4. Update model parameter estimates and their variances, model uncertainties, and estimates of stock status and management benchmarks. In addition to the base model, conduct sensitivity analysis to address uncertainty in data inputs and model configuration and consider runs that represent plausible, alternate states of nature.

5. Project future stock conditions regardless of the status of the stock. Develop rebuilding schedules, if warranted. Provide the estimated generation time for each unit stock. Stock projections shall be developed in accordance with the following:

   Scenarios to Evaluate (preliminary, to be modified as appropriate)
   1. Landings fixed at 2013 target.
   2. FOY= 75% FMSY (project when OY will be achieved)
   3. FREBUILD (if necessary)
   4. F=0 (if necessary)

6. Develop a stock assessment report to address these TORs and fully document the input data, methods, and results.