SEDAR

SouthEast Data, Assessment, and Review

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MEMORANDUM

TO: Douglas Gregory, Executive Director, GMFMC

FROM: Julie A. Neer, SEDAR Coordinator

DATE: December 20, 2017

RE: Approval request for SEDAR 62, Gulf of Mexico Gray Triggerfish Terms of Reference

Enclosed are draft Terms of Reference for the SEDAR 62 Gulf of Mexico gray triggerfish assessment, which will be following a standard track process. These Terms of Reference have been produced in consultation with the SEFSC. Please review this information, modify if necessary, and approve according to GMFMC SEDAR procedures.

I would appreciate it if these Terms of Reference could be included for discussion at your earliest convenience. Please inform me of the results of your consideration by February 9, 2018.

Thank you for your attention to this matter.

cc

Ryan Rindone

Carrie Simmons

John Carmichael

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SEDAR 62 Gulf of Mexico Gray Triggerfish

Assessment Terms of Reference

DRAFT: December 2017

1. Update the approved SEDAR 43 Gulf of Mexico gray triggerfish base model, with data through 2016. Provide a model consistent with the previous assessment configuration to incorporate and evaluate any changes allowed for during this assessment.

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

   - Consider continuity model stratification and data structure, suggest recommended revisions if needed.
   - Explore the use of a combined video index from the FWRI, Pascagoula, and Panama City video surveys
   - Evaluate the start year and initial Fs used in the assessment model
   - Consider new fishery-independent visual surveys, if available

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 schedule, if warranted. Stock projections shall be developed in accordance with the following Scenarios (preliminary, to be modified as appropriate):

   1. F_{MSY} or proxy
   2. F_{OY}= 75% F_{MSY} (project when OY will be achieved)
   3. Fcurrent/Constant Reference Catch (if necessary).
   4. $F_{REBUILD}$ (if necessary)
   5. F=0 (if necessary)

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