SEDAR
SouthEast Data, Assessment, and Review

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SEDAR 45 Gulf of Mexico Vermilion Snapper

Assessment* Terms of Reference

March 2015

1. Provide a continuity run that preserves the model structure and assumptions of Gulf of Mexico vermilion snapper assessment as reviewed and approved by the SSC during the 2011 update assessment, using data through 2014. Evaluate the effect of 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 benchmark model previous assessment model.
   - Consider the inclusion of newly available FI indices of abundance, if any.
   - Evaluate discards and include as appropriate
   - Evaluate the impact of episodic events (as it impacts M) if sufficient information is made available in time for this assessment
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 2014 target.
   2. FOY= 75% FMSY (project when OY will be achieved)
   3. FREBUILD (if necessary)
   4. F=0 (if necessary)

   If short-term projections indicate declining retained yield, develop a constant catch projection.

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

* This assessment will follow a Standard Assessment Approach