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# SEFSC-OST Precision Threshold Workgroup

Update for the  
South Atlantic SSC Meeting  
April 15-16, 2024

# SEFSC and OST joint workgroup

- Convened to discuss highly imprecise estimate scenarios impacting assessments
- Initial questions asked
  - What are viable alternative estimation methods that can be used when the precision threshold is exceeded?
  - How do we use these methods in a standardized way across the Southeast region?
  - How do we maintain consistency between estimates used in stock assessment and those used in management?



# SEFSC and OST joint workgroup

- Scoping workshop held July 10, 2023
  - Explored different assessment scenarios such as cases where high PSE estimates occur at the beginning, end, or throughout the entire time series of recreational catch estimates
  - Planned for future work
- Workshops held on October 30 and November 6, 2023
  - Reviewed past data use decisions that could inform group's work
  - Examined different alternative estimation methods and resulting precision using example species from South Atlantic and Gulf of Mexico regions
  - Exploring how public use datasets can be used to produce alternative estimates



# SEFSC and OST joint workgroup

- Workshop held on February 26, 2024
  - Evaluated performance of alternative estimation approaches
    - APAIS trip-level subsampling
    - Sub-sampling estimation domains
    - Simulation approach
  - Planned for future work
- Future Work
  - Continue work on alternative estimation approaches
    - Resolve bias in subsampling estimation domain approach
    - Consider resampling alternatives
    - Increase realism in simulation approach
    - Determine data driven metrics to inform decision making for applying different methods
  - Small area estimation
  - Documentation of final recommendations and distribution to key data users

