

SEDAR Procedures Workshop 5 South Atlantic Shrimp Data Evaluation

Description

SEDAR procedural workshops provide an opportunity for focused discussion and deliberation on topics that arise in multiple assessments and are structured to develop best practices for addressing common issues across assessments. The fifth procedural workshop will provide a review and evaluation of shrimp data from the South Atlantic.

Objectives

Workshop objectives include creating an inventory of Penaeid shrimp data in the South Atlantic and Gulf of Mexico; reviewing potential shrimp stock assessment approaches and shrimp fishery bycatch estimation methods and their respective data requirements; and providing best practice recommendations for estimating finfish bycatch for the South Atlantic shrimp fishery and for estimating population and management parameters of South Atlantic shrimp resources.

Time and Place

The workshop will be held July 22 through 24, in Charleston, SC.

Planning and Organization

An organizing committee composed of Council, SEDAR, SSC, State and SEFSC representatives was convened to develop workshop objectives, Terms of Reference, and identify potential participants. Members include Luiz Barbieri, Carolyn Belcher, Julia Byrd, John Carmichael, Chip Collier, Rick Hart, Eric Johnson, Anna Martin, Peter Kingsley-Smith and Kyle Shertzer.

Participants

Desired participants include representatives from state agencies, ACCSP, VIMS, Gulf and South Atlantic Fisheries Foundation, SSC, SEFSC, SERO, and SAFMC/SEDAR staff. See Table 1 (below) for a detailed list of potential workshop participants.

Workshop Terms of Reference

1. Create an inventory of the available Penaeid shrimp data in the South Atlantic and Gulf of Mexico. Inventory should include biological, landings, effort, survey, and relevant environmental data. All datasets should provide metadata including variable descriptions, geographic coverage, time series, timeliness, and point of contact. (NOTE: This ToR will be addressed prior to the workshop, so the information is available to address the other ToRs during the workshop.)
2. Review potential shrimp stock assessment approaches and data requirements for identified approaches including consideration of the effects of environmental conditions on shrimp populations and assessment efforts.
3. Review shrimp fishery bycatch estimation methods and data requirements for identified methods.

4. Evaluate strengths and weaknesses of the available datasets for potential use in shrimp stock assessments. Consider both what is feasible given available data as well as additional data necessary to apply preferred approaches.
5. Evaluate strengths and weaknesses of the available datasets for potential use in shrimp fishery bycatch estimation methods. Consider both what is feasible given available data as well as additional data necessary to apply preferred approaches.
6. Identify data gaps and provide recommendations for future shrimp research, monitoring and data collection efforts.
7. Provide best practice recommendations for estimating finfish bycatch by the South Atlantic shrimp fishery, and for estimating population and management parameters of South Atlantic shrimp resources.

Table 1. Potential SEDAR Procedural Workshop V workshop participants, as of February 6, 2014. The Organizing Committee identified potential data sources and providers to include, and provided the names suggested here as individuals to participate or to contact in order to determine appropriate representation.

Expertise	Potential Appointee/Contact Name (Affiliation)
POTENTIAL APPOINTEES/CONTACTS FOR COUNCIL CONSIDERATION	
State / Regional Reps	
Shrimp review panel; NC shrimp data	Trish Murphey (NCDMF)
Characterization of NC shrimp trawl fishery	Kevin Brown (NCDMF)
SA SEAMAP trawl survey	Jeanne Boylan / Tracey Smart (SCDNR / SEAMAP)
Shrimp review panel; SC FI shrimp data	Larry DeLancey (SCDNR)
SC FD shrimp data	Eric Hiltz (SCDNR)
SC Crustacean Research Section Leader	Peter Kingsley-Smith / Amy Fowler (SCDNR)
SC FI and FD shrimp data; strong knowledge of fishery	David Whitaker (SCDNR)
Shrimp review panel; GA shrimp data	Pat Geer (GADNR)
FL FI shrimp data	Ryan Gandy (FL FWCC)
FL FD shrimp data	Steve Brown (FL FWCC; likely not available for July meeting)
Regional FD shrimp data	Julie DeFilippi (ACCSP)
Pilot SA shrimp fishing effort study	Frank Helies / LGL consultant (Gulf and SA Fisheries Foundation)
Doctoral research - SA regional white shrimp assessment	Mark Stratton (VIMS)
SSC	
SSC; potential workshop chair	Carolyn Belcher (GADNR)
SSC	Chip Collier (NCDMF); Eric Johnson (UNF); Marcel Reichert (SCDNR, may not be available for July workshop)

Staff	
SEDAR / SAFMC	Andrea Grabman, Anna Martin, John Carmichael, Julia Byrd, Julie Neer
POTENTIAL APPOINTEES/CONTACTS FOR SEFSC AND SERO CONSIDERATION	
Shrimp stock assessment; shrimp review panel	Rick Hart (SEFSC)
Regional FD shrimp data; shrimp fishery bycatch	Dave Gloeckner (SEFSC)
Shrimp observer program	Elizabeth Scott-Denton (SEFSC)
Shrimp fishery bycatch modeling	Xinsheng Zhang (SEFSC, likely not available for July workshop)
Shrimp fishery bycatch; strong knowledge of fishery	Blake Price & Jeff Gearhart (SEFSC)
Beaufort stock assessment team	Kyle Shertzer? (SEFSC)
Shrimp review panel - management	Kate Michie (SERO)
Protected resources?	Jennifer Lee (SERO)

*FD = Fishery Dependent

*FI = Fishery Independent

*SA = South Atlantic

*SEAMAP = Southeast Area Monitoring and Assessment Program