

**SEDAR 23  
Gulf of Mexico and South Atlantic Goliath Grouper  
Schedule of Events**

**March 2010**

TORS and Schedule Approved: ..... February/March 2010  
Workshop Appointments Final: ..... February/March 2010

Data Workshop Deadlines

Data Scoping Conference Call (DW Panel): ..... *March 22-26, 2010*  
DW Hotel Reservation Cut off: ..... March XX, 2010  
DW Working Paper/Data Submission to SEDAR Staff: ..... April 9, 2010  
**Data Evaluation Workshop: (Saint Petersburg, FL) ..... April 26 - 30, 2010**  
First draft of DW report complete..... April 30, 2010 (end of workshop)  
Final DW Reports Complete & Distribution to AW Panel: ..... June 11, 2010  
Final DW Data Spreadsheet Complete & Distribution to AW Panel: ..... June 11, 2010

Assessment Workshop Deadlines

AW Hotel Reservation Cut off: ..... July XX, 2010  
Assessment workshop working papers submission: ..... July 16, 2010  
**Assessment Workshop: (Saint Petersburg, FL) ..... August 2 - 6, 2010**  
First draft of AW report complete..... August 6, 2010 (end of workshop)  
Final AW Data Spreadsheet Complete: ..... October 22, 2010  
Final Assessment Report to SEDAR staff ..... October 22, 2010

Review Workshop Deadlines

Review Workshop Hotel Cut-off: ..... October XX, 2010  
RW Working Paper Submission: ..... November 1, 2010  
Final distribution to review panel: ..... November 1, 2010  
*Pre-RW Conference Call (Analytical team, RW Chair) ..... November 8-12, 2010*  
*RW Panel Introductory Conference Call (RW Panel, Chair)..... November 8-12, 2010*  
**Review Workshop: (FL KEYS) ..... November 15 - 17, 2010**  
First Draft Review Reports:..... November 17, 2010 (end of workshop)  
Review Workshop Panel Drafts due to Chair: ..... November 26, 2010  
Review Workshop Addenda/Revision Reports due to Chair & SEDAR Staff: ..... November 26, 2010  
Review Workshop Reports due to SEDAR Staff: ..... December 3, 2010  
Complete Assessment Report Submitted to Councils/SERO/SEFSC: ..... December 6, 2010

**Participants List for SEDAR 23  
SA and Gulf Goliath Grouper  
Updated 17 June 2010**

Data Workshop Participants

<b>Appointee</b>	<b>Function</b>	<b>Affiliation</b>
<b><i>Analytical Team Representation</i></b>		
Joe O’Hop	Lead analyst	FWRI
Joseph Munyandorero	Analytic support	FWRI
Clay Porch	Analytic support	NMFS Miami
<b><i>Life History Workgroup</i></b>		
Bill Lindberg	Leader and Editor	Univ. of Florida
Alejandro Acosta	Data provider	FWRI
Jennifer Schull	Data provider	NMFS -
Angela Collins	Data provider	FWRI
Chris Koenig	Data provider	USF
Sarah Frias-Torres	Data provider	
Monica Lara	Data provider	FWRI
Luiz Barbieri	GMFMC SSC	FWRI
<b><i>Catch Statistics Workgroup</i></b>		
Joseph Munyandorero	Leader and Editor - Commercial	FWRI
Don Demaria	Industry rep – SAFMC AP	Keys/SG
Bob Zales	Industry rep – GMFMC AP	North Florida
Gregg DeBrango	Industry rep – SAFMC AP	
Rich Taylor	Recreational rep	
<b><i>Indices Workgroup</i></b>		
Walter Ingram	Leader and Editor	NMFS Pascagoula
Kevin McCarthy	Data provider	NMFS Miami
Adam Pollack	Data provider	NMFS Pascagoula
<b><i>Data Management</i></b>		
Joseph Munyandorero	Data compiler	FWRI
<b><i>Council Representation</i></b>		
Ben Hartig	South Atlantic Council Member	SAFMC
Ed Sapp	Gulf of Mexico Council Member	GMFMC
<b><i>Staff</i></b>		
Julie A Neer	SEDAR Coordinator	SEDAR
Rachael Lindsay	Administrative Assistant	SEDAR
Karen Burns	Gulf of Mexico Council Staff Lead	GMFMC
Tyree Davis	IT Support	NMFS Miami

**Participants List for SEDAR 23  
SA and Gulf Goliath Grouper  
Updated 17 June 2010**

Assessment Workshop

<b>Appointee</b>	<b>Function</b>	<b>Affiliation</b>
Joe O'Hop	Lead analyst	FWRI
Joseph Munyandorero	Analytic support	FWRI
Mike Murphy	Analytic support	FWRI
<b><i>Additional Panel members</i></b>		
Sean Powers	GMFMC SSC	Univ of AI
Anne Lange	SAFMC SSC	
Gregg DeBrango	SAFMC AP	
Don DeMaria	SAFMC AP	
Bob Zales	GMFMC AP	North Florida
Luiz Barbieri	Data provider	FWRI
Chris Koenig	Data provider	USF
<b><i>Data Management</i></b>		
Joseph Munyandorero	Analytic support	FWRI
<b><i>Council Representation</i></b>		
Ben Hartig	South Atlantic Council Member	SAFMC
Bill Teehan	Gulf of Mexico Council Chair	GMFMC
<b><i>Staff</i></b>		
Julie A Neer	SEDAR Coordinator	SEDAR
Tina O'hern	Administrative Assistant	SEDAR
Karen Burns	Gulf of Mexico Council Staff Lead	GMFMC
Rick DeVictor	South Atlantic Council Staff Lead	SAFMC
	IT Support	NMFS Miami

Review Workshop

<b>Appointee</b>	<b>Function</b>	<b>Affiliation</b>
<b><i>Review Panel</i></b>		
Luiz Barbieri	Review Panel Chair	SAFMC SSC/FWRI
	CIE Reviewer	
	CIE Reviewer	
	CIE Reviewer	
Shannon Cass-Calay	GMFMC SSC Reviewer	NMFS Miami

**Participants List for SEDAR 23  
SA and Gulf Goliath Grouper  
Updated 17 June 2010**

Barbara Dorf	GMFMC SSC Reviewer	TXPWD
	SAFMC SSC Reviewer	
Carolyn Belcher	SAFMC SSC Reviewer	GADNR
	Council Appointed Reviewer	SAFMC
	Council Appointed Reviewer	GMFMC
<b><i>Analytical Team Representation</i></b>		
Joe O'Hop	Lead analyst	FWRI
Joseph Munyandorero	Analytic support	FWRI
<b><i>Official Observers</i></b>		
Ben Fairey	GMFMC AP	
<b><i>Council Representation</i></b>		
Ben Hartig	South Atlantic Council Member	SAFMC
Kay Williams	Gulf of Mexico Council Member	GMFMC
<b><i>Staff</i></b>		
Julie A Neer	SEDAR Coordinator	SEDAR
Rachael Lindsay	Administrative Assistant	SEDAR
Karen Burns	Gulf of Mexico Council Staff Lead	GMFMC
Rick DeVictor	South Atlantic Council Staff	SAFMC
	IT Support	NMFS Miami
<b><i>Other Observers</i></b>		

# SEDAR

## *SouthEast Data, Assessment, and Review*

South Atlantic Fishery Management Council  
Gulf of Mexico Fishery Management Council  
Caribbean Fishery Management Council  
NOAA Fisheries  
Atlantic States Marine Fisheries Commission  
Gulf States Marine Fisheries Commission

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### **SEDAR 23. Gulf of Mexico and South Atlantic Goliath Grouper**

March 2010

#### **I. Data Workshop**

1. Characterize stock structure and develop a unit stock definition. Provide maps of species and stock distribution.
2. Review, discuss and tabulate available life history information (e.g., age, growth, natural mortality, reproductive characteristics); provide appropriate models to describe growth, maturation, and fecundity by age, sex, or length as applicable. Evaluate the adequacy of available life-history information for conducting stock assessments and recommend life history information for use in population modeling.
3. Provide measures of population abundance that are appropriate for stock assessment. Consider and discuss all available and relevant fishery dependent and independent data sources. Document all programs evaluated, addressing program objectives, methods, coverage, sampling intensity, and other relevant characteristics. Provide maps of survey coverage. Develop CPUE and index values by appropriate strata (e.g., age, size, area, and fishery); provide measures of precision and accuracy. Evaluate the degree to which available indices adequately represent fishery and population conditions. Recommend which data sources are considered adequate and reliable for use in assessment modeling.
4. Characterize commercial and recreational catch, including both landings and discard, in pounds and number. Provide estimates of discard mortality rates by fishery and other strata as appropriate or feasible. Evaluate and discuss the adequacy of available data for accurately characterizing harvest and discard by species and fishery sector. Provide length and age distributions if feasible. Provide maps of fishery effort and harvest.
5. Provide recommendations for future research in areas such as sampling, fishery monitoring, and stock assessment. Include specific guidance on sampling intensity (number of samples including age and length structures) and appropriate strata and coverage.
6. Develop a spreadsheet of assessment model input data that reflects the decisions and recommendations of the Data Workshop. Review and approve the contents of the input spreadsheet by June 1.
7. Prepare the Data Workshop report providing complete documentation of workshop actions and decisions (Section II. of the SEDAR assessment report). Develop a list of tasks to be completed following the workshop.

## 2. Assessment Process

1. Review any changes in data following the data workshop and any analyses suggested by the data workshop. Summarize data as used in each assessment model. Provide justification for any deviations from Data Workshop recommendations.
2. Develop population assessment models that are compatible with available data and recommend which model and configuration is deemed most reliable or useful for providing advice. Document all input data, assumptions, and equations.
3. Provide estimates of stock population parameters (fishing mortality, abundance, biomass, selectivity, stock-recruitment relationship, etc); include appropriate and representative measures of precision for parameter estimates.
4. Characterize uncertainty in the assessment and estimated values, considering components such as input data, modeling approach, and model configuration. Provide appropriate measures of model performance, reliability, and 'goodness of fit'.
5. Provide yield-per-recruit, spawner-per-recruit, and stock-recruitment evaluations, including figures and tables of complete parameters.
6. Provide estimates for SFA criteria consistent with applicable FMPs, proposed FMPs and Amendments, other ongoing or proposed management programs, and National Standards. This may include: evaluating existing SFA benchmarks, estimating alternative SFA benchmarks; and recommending proxy values.
7. Provide declarations of stock status relative to SFA benchmarks.
8. Perform a probabilistic analysis of proposed reference points and provide the probability of overfishing at various harvest or exploitation levels.
9. Project future stock conditions (biomass, abundance, and exploitation) and develop rebuilding schedules if warranted; include estimated generation time. Stock projections shall be developed in accordance with the following:
  - A) If stock is overfished:  
F=0, F=current, F=Fmsy, Ftarget (OY),  
F=Frebuild (max that rebuild in allowed time)
  - B) If stock is overfishing  
F=Fcurrent, F=Fmsy, F= Ftarget (OY)
  - C) If stock is neither overfished nor overfishing  
F=Fcurrent, F=Fmsy, F=Ftarget (OY)
10. Provide recommendations for future research and data collection (field and assessment); be as specific as practicable in describing sampling design and sampling intensity and emphasize items which will improve future assessment capabilities and reliability.
11. Prepare an accessible, documented, labeled, and formatted spreadsheet containing all model parameter estimates and all relevant population information resulting from model estimates and any projection and simulation exercises. Include all data included in assessment report tables and all data that support assessment workshop figures.
12. Complete the Assessment Process Report (Section III of the SEDAR Stock Assessment Report), prepare a first draft of the Summary Report, and develop a list of tasks to be completed following the workshop.

### 3. Review Workshop

1. Evaluate the adequacy, appropriateness, and application of data used in the assessment.
2. Evaluate the adequacy, appropriateness, and application of methods used to assess the stock.
3. Recommend appropriate estimates of stock abundance, biomass, and exploitation.
4. Evaluate the methods used to estimate population benchmarks and management parameters (*e.g.*, *MSY*, *F<sub>msy</sub>*, *B<sub>msy</sub>*, *MSST*, *MFMT*, or their proxies); recommend appropriate management benchmarks and provide estimated values for management benchmarks, and declarations of stock status.
5. Evaluate the adequacy, appropriateness, and application of the methods used to project future population status; recommend appropriate estimates of future stock condition (*e.g.*, exploitation, abundance, biomass).
6. Evaluate the adequacy, appropriateness, and application of methods used to characterize uncertainty in estimated parameters. Provide measures of uncertainty for estimated parameters. Ensure that the implications of uncertainty in technical conclusions are clearly stated.
7. Ensure that stock assessment results are clearly and accurately presented in the Stock Assessment Report and that reported results are consistent with Review Panel recommendations.
8. Evaluate the SEDAR Process as applied to the reviewed assessments and identify any Terms of Reference which were inadequately addressed by the Data or Assessment Workshops.
9. Consider the research recommendations provided by the Data and Assessment workshops and make any additional recommendations or prioritizations warranted. Clearly denote research and monitoring needs that could improve the reliability of future assessments. Recommend an appropriate interval for the next assessment, and whether a benchmark or update assessment is warranted.
10. Prepare a Peer Review Summary summarizing the Panel's evaluation of the stock assessment and addressing each Term of Reference. Develop a list of tasks to be completed following the workshop. Complete and submit the Summary Report within 3 weeks of workshop conclusion.

The review panel may request additional sensitivity analyses, evaluation of alternative assumptions, and correction of errors identified in the assessments provided by the assessment workshop panel; the review panel may not request a new assessment. Additional details regarding the latitude given the review panel to deviate from assessments provided by the assessment workshop panel are provided in the *SEDAR Guidelines* and the *SEDAR Review Panel Overview and Instructions*.

\*\* The panel shall ensure that corrected estimates are provided by addenda to the assessment report in the event corrections are made in the assessment, alternative model configurations are recommended, or additional analyses are prepared as a result of review panel findings regarding the TORs above.\*\*