



SOUTH ATLANTIC FISHERY MANAGEMENT COUNCIL

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Jessica McCawley, Chair | Mel Bell, Vice Chair

Gregg T. Waugh, Executive Director

AGENDA

Habitat Protection and Ecosystem-Based Management Advisory Panel Meeting

**Crowne Plaza
Charleston, South Carolina**

May 21-22, 2019 (Times subject to change)

Tuesday, May 21, 2019 9:00 A.M. – 4:30 P.M.

Approval of the Agenda – Anne Deaton, NC DMF

Approval of November 2018 Minutes – (*Attachment 1*) Anne Deaton, NC DMF

Opening Statements and Introductions – Anne Deaton, DMF and Roger Pugliese, SAFMC

- 1. Mapping/Characterization of South Atlantic Deep Water Ecosystems: 2019 Activities**
 - a. Deep Search Cruise on the NOAA Ship Ron Brown and NOAA Ship *Okeanos Explorer* 2019 South Atlantic Cruise Plans (*Attachments 2-3*) – Kasey Cantwell, NOAA Office of Ocean Exploration and Research and Heather Coleman, Deep Sea Coral Research and Technology Program
 - a. Panel Member Discussion and Recommendations – Anne Deaton
- 2. Ecosystem Considerations: Prey supporting Dolphin Wahoo Fisheries**
 - a. Scoping Overview for Adding Bullet and Frigate Mackerel as Ecosystem Component Species in the Dolphin Wahoo Fishery Management Plan– (*Attachments 4-5*) John Hadley, SAFMC
 - b. Panel Member Discussion and Recommendations – Anne Deaton
- 3. SAFMC Citizen Science Program**
 - a. Status Report on Citizen Science Program and Research Prioritization Process – (*Attachment 6*) Julia Byrd, Citizen Science Program Manager, SAFMC

12:00 Noon - 1:30 P.M. Lunch

- 4. Documenting Occurrence and Impacts of Extreme Events**
 - a. Recent Hurricane Impacts on NC and SC Fish Populations (*Attachment 7*) – Dr. Wilson Laney
 - b. Sub-Panel Chair Updates
 - c. Panel Member Discussion and Recommendations – Anne Deaton

- 5. Southeast Connectivity and Adaptation Strategy**
 - a. Update on Strategy and Conservation Blueprint – Roger Pugliese
 - b. Panel Member Discussion and Recommendations – Anne Deaton

Wednesday May 22, 2019 9:00 A.M. – 4:30 P.M.

Day 2 Overview– Anne Deaton

- 6. Energy Development Activities in the South Atlantic**
 - a. Update on BOEM research and energy development activities with a focus on Renewable Energy in the South Atlantic region (*Attachment 8*) - Jennifer Bucatari, BOEM.
 - b. Panel Member Discussion and Recommendations – Anne Deaton
- 7. NOAA Fisheries EBFM Activities for the South Atlantic Region: Status and Timelines for Completion of Deliverables supporting FEP II**
 - a. Addressing NOAAs EBFM Implementation Plan – Status and Timelines for Completion of South Atlantic Ecosystem Status Report, South Atlantic Climate Vulnerability Analysis and Multi-Species Production Modeling (*Attachments 9-10*) – Todd Kellison, NOAA Fisheries SEFSC & Kevin Craig, NOAA Beaufort Lab
 - b. Panel Member Discussion and Recommendations – Anne Deaton
- 8. FEP II Implementation Plan - Two Year Roadmap**
 - a. Preliminary Review of Actions and Status (*Attachment 11*) – Roger Pugliese
 - b. Panel Member Discussion and Updates – Anne Deaton

12:00 Noon - 1:30 P.M. Lunch

12:00 Noon DOISTS Webinar – Anthropogenic Sound Sources – Pile Driving and Wind Turbines (*Attachment 12*)

- 9. Applying Innovative Technologies to Characterize Fish Habitat and Spawning Events**
 - a. Understanding Soundscapes: Wave Glider and Acoustic Technology (*Attachment 13*) – Laurent Cherubin, HBOI/FAU COIERT
 - b. Panel Member Discussion – Anne Deaton
- 10. SECOORA Activities/RCOOS Plan -**
 - a. SECOORA Activities and Draft RCOOS Plan (*Attachment 14*)– Roger Pugliese and SECOORA Staff
 - b. Panel Member Discussion – Anne Deaton
- 11. South Atlantic Ecopath with Ecosim Model**
 - a. Update on Development of Next Generation Ecopath with Ecosim Model (*Attachment 15*) – Roger Pugliese

Other Business – Anne Deaton

Adjourn – Anne Deaton

Attachments

1. Habitat Ecosystem AP Minutes November 2018
2. Deep Search Cruise on the NOAA Ship Ron Brown
3. NOAA Ship *Okeanos Explorer* 2019 South Atlantic Cruise Plans
4. Presentation- Scoping for Bullet and Frigate Mackerel as Ecosystem Component Species
5. Scoping Overview for Adding Bullet and Frigate Mackerel as Ecosystem Component Species in the Dolphin Wahoo Fishery Management Plan
6. SAFMC Citizen Science Program and Research Prioritization Process
7. Presentation- Recent Hurricane Impacts on NC and SC Fish Populations
8. Presentation- Update on BOEM research and energy development activities with a focus on Renewable Energy in the South Atlantic region
9. NOAA Fisheries Priorities and Annual Guidance 2019
10. Presentation- NOAA Fisheries: Status and Timelines for Completion of South Atlantic Ecosystem Status Report, South Atlantic Climate Vulnerability Analysis and Multi-Species Production Modeling
11. FEP II Implementation Plan Two Year Roadmap
12. DOISTS Webinar – Anthropogenic Sound Sources – Pile Driving and Wind Turbines
13. Presentation- Applying Innovative Technologies to Characterize Fish Habitat and Spawning Events
14. SAFMC SECOORA Briefing March 5, 2019
15. Ecopath with Ecosim Model of the South Atlantic Region: A Path Forward - May 2019
16. Presentation to SAFMC SSC April 19 - South Atlantic Region Ecopath Model Finalized
17. Presentation to SAFMC SSC April 19 - Ecopath to Analyses, Tools, and Evaluation

Staff: Roger Pugliese, Senior Fishery Biologist

OVERVIEW

Habitat Protection and Ecosystem-Based Management Advisory Panel

The Advisory Panel will approve minutes of November 2018 (*Attachment 1*) and agenda.

Tuesday, November 6, 2018 Through Thursday November 8, 2018

1. Mapping/Characterization of South Atlantic Deep Water Ecosystems: 2019 Activities (*Attachments 2-3*)

Description: Kasey Cantwell, NOAA Office of Ocean Exploration and Research and Heather Coleman, Deep Sea Coral Research and Technology Program will join the Panel via Webinar and provide an overview of a recent Deep Search research cruise on the NOAA Ship Ron Brown and highlight cruise plans for the NOAA Ship *Okeanos Explorer* 2019 in the South Atlantic region. A more detailed review is being for the fall Panel meeting upon completion and workup of mapping and characterization of deep water habitats accomplished during the 2019 cruises.

Panel Member Action: Members will discuss and provide input as appropriate.

2. **Ecosystem Considerations: Prey supporting Dolphin Wahoo Fisheries** (*Attachments 4-5*)
Description: During the fall 2018 Panel meeting Steve Poland, NC DNR (with input from Jeff Buckel, NCSU) reviewed the ecological importance of frigate and bullet mackerel as prey for dolphin and wahoo. The Council, as a follow-up to the review is scoping the issue. John Hadley, SAFMC Economist will summarize a Scoping Overview for Adding Bullet and Frigate Mackerel as Ecosystem Component Species in the Dolphin Wahoo Fishery Management Plan.
Panel Member Action: Members will discuss and provide input as appropriate.

3. **SAFMC Citizen Science Program** (*Attachment 6*)
Description: Julia Byrd, Citizen Science Program Manager, SAFMC, will provide the Panel with a status report on the SAFMC Citizen Science Program and Research Prioritization Process.
Panel Member Action: Members will discuss and provide input as appropriate.

4. **Documenting Occurrence and Impacts of Extreme Events** (*Attachment 7*)
Description: Dr. Wilson Laney, newly appointed member, will provide the Panel with an overview of recent hurricane impacts on North Carolina and South Carolina fish populations. State Sub-Panel Chairs, will provide initial updates on the impacts of extreme natural events of 2018 and set the stage for a more complete review to be developed in advance of the Fall Panel meeting.
Panel Member Action: Members will discuss and provide input as appropriate.

5. **Southeast Connectivity and Adaptation Strategy**
Description: Roger Pugliese in cooperation with SECAS/SALCC staff will provide a brief update on the developing Strategy and Conservation Blueprint.
Panel Member Action: Members will discuss and provide input as appropriate.

6. **Energy Development Activities in the South Atlantic** (*Attachment 8*)
Description: Jennifer Bucatari, BOEM will provide the Panel with a update on BOEM research and energy development activities with a focus on Renewable Energy in the South Atlantic region.
Panel Member Action: Members will discuss and provide input as appropriate.

7. **NOAA Fisheries EBFM Activities for the South Atlantic Region: Status and Timelines for Completion of Deliverables supporting FEP II** (*Attachments 9-10*)
Description: Todd Kellison, NOAA Fisheries SEFSC and Kevin Craig, NOAA Beaufort Lab will provide the Panel with an update on the status and timelines for completion of the South Atlantic Ecosystem Status Report, the South Atlantic Climate Vulnerability Analysis and South Atlantic Multi-Species Production Modeling in support of the NOAA EBFM Implementation Plan for the South Atlantic.
Panel Member Action: Members will discuss and provide input as appropriate.

8. **FEP II Implementation Plan - Two Year Roadmap** (*Attachment 11*)

Description: Council staff will provide a preliminary overview of Actions and status to initiating a more complete review during the Fall Panel meeting at which time many of the major EBFM activities undertaken by NOAA Fisheries will be significantly advanced addressing major components of NOAA EBFM Implementation Plan and SAFMC FEP II Implementation Plan Two Year Road Map. Additional input will be coordinated through the Sub-Panel Chairs in advance of the Fall Panel meeting.

Panel Member Action: Members will discuss and provide input as needed.

Lunch Webinar: DOISTS Webinar – Anthropogenic Sound Sources – Pile Driving and Wind Turbines (*Attachment 12*)

9. Applying Innovative Technologies to Characterize Fish Habitat and Spawning Events (*Attachment 13*)

Description: Laurent Cherubin, HBOI/FAU COIERT will provide the Panel with a presentation on understanding soundscapes through use of Wave Glider and acoustic technology.

Panel Member Action: Members will discuss and provide input as needed.

10. SECOORA Activities/RCOOS Plan (*Attachment 14*)

Description: Roger Pugliese, with material supplied by SECOORA Staff, will provide an update on SECOORA Activities and the developing revised RCOOS Plan.

Panel Member Action: Members will discuss and provide input as needed.

11. South Atlantic Ecopath with Ecosim Model (*Attachment 15*)

Description: Council staff will provide an update on development of next generation Ecopath with Ecosim Model.

Panel Member Action: Members will discuss and provide input as needed.