



SOUTH ATLANTIC FISHERY MANAGEMENT COUNCIL

4055 Faber Place Drive, Suite 201, North Charleston SC 29405

Call: (843) 571-4366 | Toll-Free: (866) SAFMC-10 | Fax: (843) 769-4520 | Connect: www.safmc.net

Charlie Phillips, Chair | Captain Mark Brown, Vice Chair
Gregg T. Waugh, Executive Director

AGENDA/OVERVIEW

Citizen Science A-Team, All-Hands Meeting

January 31, 2018, 9:00 a.m. – 12:00 p.m.

- 9:00 a.m. Introduction and Overview of Meeting - Amber Von Harten
- Overview of A-Teams
 - Goals for All-Hands meeting
- 9:15 a.m. A-Team Presentations (*Attachments 1-3*)
- Communication/Outreach/Education – Holly Abeels and Laura Oremland
 - Finance & Infrastructure – Leda Cunningham and Kathy Knowlton
 - Data Management – Brett Fitzgerald and Tracey Smart
- 10:30 a.m. BREAK
- 10:45 a.m. A-Team Presentations continued (*Attachments 4-5*)
- Projects/Topics Management – Scott Baker and Beverly Sauls
 - Volunteers – Bob Lorenz and Sara Mirabilio
- 11:30 a.m. Overview of SAFMC Citizen Science Pilot Project & Research Study – Amber Von Harten & Dr. Jennifer Shirk
- 11:50 a.m. Meeting Wrap-up
- 12:00 p.m. Adjourn

Attachments

Attachment 1: Communication/Outreach/Education A-Team Presentation

Attachment 2: Finance & Infrastructure A-Team Presentation

Attachment 3: Data Management A-Team Presentation

Attachment 4: Projects/Topic Management A-Team Presentation

Attachment 5: Volunteers A-Team Presentation

Attachment 6: SAFMC Pilot Project & Research Study Overview

Supplemental Materials

Note: These items may be referenced during A-Team discussions and can serve as reference documents to materials produced by individual A-Teams over the course of their work.

Communication/Outreach/Education A-Team –

Google Drive Main folder: <https://drive.google.com/drive/folders/0B6XErmbTpHpXcHQ0c1dUZ1BrTDg?usp=sharing>

- Inventory of Communication Tools in Sample Citizen Science Projects: https://docs.google.com/spreadsheets/d/13-Olz8s1W4sBVpqK9CgY_3s9WzqwftZTDxCHBzTV1Vg/edit?usp=sharing
- Communication Approaches Draft Document: https://docs.google.com/document/d/1UIwxer-YYLwiLTbBhd_cfAKqwpUPpfa8HMOeUpk7CoM/edit?usp=sharing
- Sharing Project Results/Promotion Draft Document: https://docs.google.com/document/d/1cB7JTkyFI4wW-eppxBJI87yZTOpevV01QHJP_Dbwx7k/edit?usp=sharing
- Sharing Project Results/Promotion Matrix: https://docs.google.com/spreadsheets/d/1_JIPjj7379BwwzBpiYg5dRaBgNp5rTutirJtYNf9ApA/edit?usp=sharing

Finance & Infrastructure –

Google Drive Main folder:

<https://drive.google.com/drive/folders/1hDwJNQNDIYYnbj1njAQhBJe09Obh4rXL?usp=sharing>

- Promotional Flyer for SAFMC Citizen Science Program: <https://drive.google.com/file/d/1j5cWC8nRj2eYJRGCSkd5sLfyntuxfjrO/view?usp=sharing>
- Program Funding Models Draft Document: <https://drive.google.com/file/d/1AioSfh8GZvMmRvPaSBiWpSKwr5mhyohl/view?usp=sharing>

Data Management –

- Data Management Resources Survey: <https://goo.gl/forms/LrZglJqBC8LCTNQ43>
- Summary of Data Management Resources: <https://docs.google.com/spreadsheets/d/1-kLbpTR903mvJgWleW5yBCLgXmsnwqg7RXCtR0GCugE/edit#gid=1230891919>

Projects/Topics Management –

Google Drive Main folder:

https://drive.google.com/drive/folders/1PXc9A36Gc0kqWL-tG907eC_To9fOt2QT?usp=sharing

- SAFMC Research & Monitoring Plan, 2018 -2022: https://drive.google.com/file/d/1qglcH6qU2Pu_szzRZMLdC62V9gk_1lFg/view?usp=sharing
- Diagram of Identifying Program Priorities: https://drive.google.com/file/d/16xAhemM9779GIL_eqa5BYM8HIFxnkq1g/view?usp=sharing

Volunteers –

Google Drive Main Folder:

https://drive.google.com/drive/folders/1aE9gp3QQ2haHLDVMr_1djTue0xRvVWhV?usp=sharing

- Summary of Volunteer Training Approaches: <https://drive.google.com/file/d/1muGmXtzGGhkmmzWLyBWouDtP4YqCUFrp/view?usp=sharing>
- Diagram of Engaging Volunteers in the Project –What the Program needs to know about Volunteers: https://drive.google.com/file/d/1SKdxsHWs2ZPF3Z5eHehUCpcw7GM_Z8W/view?usp=sharing
- Volunteer Interest Form Draft Document: <https://drive.google.com/file/d/1um495LRMj6JhLP4ncvGqVGzm2gTRofl/view?usp=sharing>
- Case Studies of Volunteer Training Approaches: <https://drive.google.com/file/d/14aVpyqzWceR-Ec9ZFSzZH8zHahhGIXus/view?usp=sharing>
- Literature Review on Citizen Science Volunteers: <https://drive.google.com/file/d/1zT7m9vmxLXHVT39kI8vK9Lr7jr6a9QLK/view?usp=sharing>

**SOUTH ATLANTIC FISHERY MANAGEMENT COUNCIL
CITIZEN SCIENCE ADVISORY PANEL POOL - ACTION TEAMS**

Communications/Outreach/Education

Holley Abeels, FL Sea Grant
Bruce Buckson, SAFMC AP member
Lora Clarke, Pew Charitable Trusts
Byran Fluech, UGA MAREX/Sea Grant
William Heyman, LGL Ecological Assoc.
Ryan Jiorle, VA MRC
Chris McHan, Gulf of Maine Research Inst.
Laura Oremland, NOAA Fisheries
Tom Roller, Fisherman (rec)

Data Management

Luiz Barbieri, FL FWCC
Michael Burton, NOAA Fisheries
Brett Fitzgerald, Snook & Gamefish Fdn.
Rusty Hudson, Fisherman (comm)
James Morley, Rutgers Univ
Joe Myers, ACCSP
Gregg Peralta, Fisherman (rec)
Tracey Smart, SC DNR
Scott Smith, NC DMF

Finance

Leda Cunningham, Pew Charitable Trusts
Kathy Knowlton, GA DNR
George LaPointe, Consultant
Laura Leach, ASMFC
Dee Lupton, NC DMF

Projects/Topics Management

Scott Baker, NC Sea Grant
Walter Bublely, SC DNR
Robert Crimian, The Nature Conservancy
Jynessa Dutka-Gianelli, Univ of Florida
Jimmy Hull, Fisherman (comm)
Ira Laks, Fisherman (rec)
Richard Merrick, NOAA Fisheries retired
Trish Murphey, NC DMF
Paul Rudershausen, NC State Univ
Beverly Sauls, FL FWCC
George Sedberry, Natl Marine Sanctuary,
retired
Erik Williams, NOAA Fisheries

Volunteers

Trip Aukeman, CCA
Courtland babcock III, Fisherman (rec)
William Gorham, Fisherman (rec)
Frاند Helies, NOAA Fisheries
Shelly Krueger, FL Sea Grant
Robert Lorenz, Fisherman (rec)
Sara Mirabilio, NC Sea Grant
Michelle Ryan, Researcher
David Snyder, Fisherman (rec,
restaurant/chef)
Mimi Stafford, Fisherman (comm)

OVERVIEW

All-Hands Citizen Science AP Action Team Meeting

1. Introduction & Overview of Meeting–

Council staff will provide a brief introduction to meeting logistics, the agenda and the purpose and goals of the meeting.

Purpose: Convene all members of the five Citizen Science Action Teams to review and discuss work on developing Program recommendations in preparation for presenting draft recommendations to the Council in March 2018.

Meeting Goals:

- Feedback on A-Team work to date
- Discussion of initial recommendations
- Identify any overlapping tasks where A-Teams can coordinate work
- Learn about the upcoming citizen science pilot project and research study being conducted by the Citizen Science Association

2. A-Team Presentations – (*Attachments 1-5*)

Communication/Outreach/Education A-Team

Co-chairs – Holly Abeels (FL Sea Grant) and Laura Oremland (NOAA Fisheries)

Topics to be Addressed: A-Team co-chairs will present the Teams work on developing an inventory of communication approaches in existing citizen science projects and mechanisms for sharing project results and promoting projects.

Discussion Topics:

- Will clear and frequent communication be enough to manage expectations?
- How best to work with Volunteers Action Team in relation to training guideline recommendations?
- How to maintain interest especially with app based projects?

Finance & Infrastructure A-Team

Co-chairs – Leda Cunningham (Pew Charitable Trust) and Kathy Knowlton (GA DNR)

Topics to be Addressed: A-Team co-chairs will present the Teams work on identifying operational and programmatic budget needs and funding models to help support both the Program and projects.

Discussion Topics:

- Ideas for new FIAT members?

- Are there other areas of expertise that would add value as we seek new recruits?
- Any thoughts on proposed 2-part infrastructure?
- Are there additional funding models?
- Projects are a selling point for some prospective partners – how can we engage more with the projects A-team?

Data Management A-Team

Co-chairs – Brett Fitzgerald (Snook & Gamefish Foundation) and Tracey Smart (SC DNR)

Topics to be Addressed: A-Team co-chairs will present the Teams work on developing a survey and inventory of existing fishery data management resources in the region (organization, structure, costs, software, hardware, accessibility, ownership, etc.) and examples of data standards used by existing data collection projects.

Discussion Topics:

- Challenges or additional work needed
 - Need other CS programs to provide some background information. Any suggestions?
 - Validation for data collection mechanisms (i.e., survey question format, app vs phone vs email, etc.)- need more details for current methods
- Areas of overlap to coordinate
 - Data Standards and several ToRs related to types of projects under consideration
 - Data “ownership” related to funding source
 - Personnel data management – privacy, separate standards
- *Feedback on draft recommendations*

Projects/Topics Management A-Team

Co-chairs – Scott Baker (NC Sea Grant) and Beverly Sauls (FL FWCC)

Topics to be Addressed: A-Team co-chairs will present the Teams work on identifying a mechanism for developing program research needs/priorities, information about potential researchers to involve in projects, and project criteria

Discussion Topics:

- Role of “less-engaged” fishery stakeholders in process?
- Should experts provide guidance on minimum data requirements (sample size, spatial and temporal resolution of collections) for typical projects (discards, life history, genetics, etc) before, during or after project ideas collected?
- How do we give clear guidance to ensure proposals are relevant, without directing proposals and stifling new ideas?
- Want to avoid applicants being discouraged if proposals are not well received early in process.
- Should we focus our thoughts re: project topics / design on a specific example (Ex., Scamp discard project) – or should we try to anticipate all pitfalls associated with all types of projects?

Volunteers A-Team

Co-chairs – Bob Lorenz (fisherman) and Sara Mirabilio (NC Sea Grant)

Topics to be Addressed: A-Team co-chairs will present the Teams work on developing a mechanism to collect information about potential citizen science volunteers in the region and appropriate approaches for volunteer training for different types of projects.

Discussion Topics:

- Communication With Volunteers on Ongoing Basis
- Method and Ethics to Evaluate Volunteer Performance
- Method to Certify Volunteers After Project Completion
- Training to Enhance Skills and Ability for Established Volunteers
- Rewards and Recognition for Volunteers
- Feedback From Volunteers on Their Experience as a Volunteer
 - ❖ Reverse Appraisal - 360 degree Feedback
- Work with Communication A-Team on:
 - ❖ Orientation Materials for Citizen Science Volunteer Applicants About the Program
 - ❖ Methods to Recruit Volunteers

3. **Overview of SAFMC Citizen Science Pilot Project & Research Study - (*Attachment 6*)**
Staff and Dr. Jennifer Shirk with the Citizen Science Association will provide a brief overview of the Council's upcoming citizen science pilot project. The project has two components, 1) to characterize discards of scamp grouper using data collected by fishermen using a mobile application and 2) document how development of a citizen science program framework can help support successful projects using the approach being taken by the SAFMC Citizen Science Program.

Other Business