



South Atlantic Fishery Management Council **Citizen Science Update**

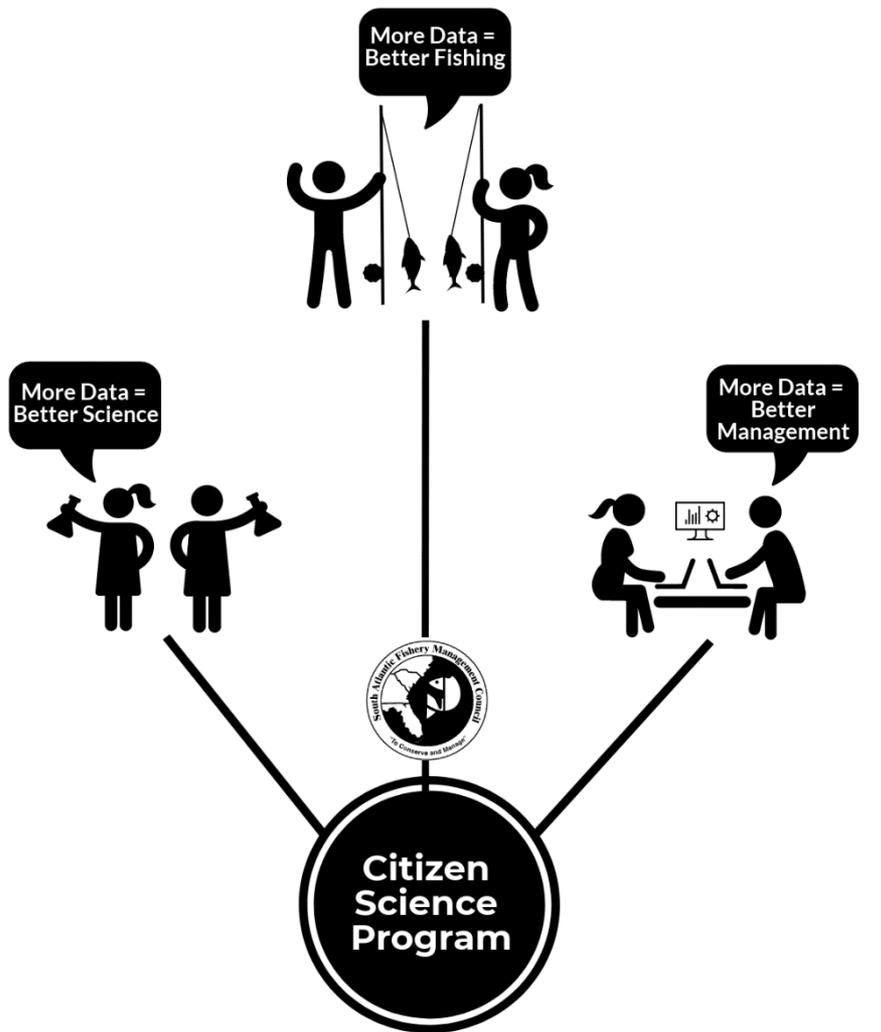
Information & Education AP



April 2020



Activities 2019/2020



CitSci 2019 Conference – March 2019

- *SAFMC Team led Symposium highlighting efforts to develop Program*

Program Evaluation

- *Working on with Rick Bonney, Jennifer Shirk, and Operations Committee*
- *Developing draft objectives, strategies, indicators for SAFMC review ~June 2020*

Cit Sci Advisory Panel Meetings

- *CitSci Projects Advisory Committee: formed & met Oct 2019*
- *Operations Committee: met Oct 2019, Jan 2020 & Mar 2020*

Presentations

- *May 2019: CCC meeting*
- *June 2019: Panel for Federal Community of Crowdsourcing & CitSci meeting*
- *Nov 2019: SCMEA*

Activities 2019/2020

Bioscience manuscript, Bonney et al. – submitted Summer 2019; revisions 2020

Updated CitSci Research Priorities

- *Followed process developed by A-Teams*
- *Adopted by SAFMC in Dec 2019*

AFS symposium submission with NOAA colleagues

Program Promotion & Outreach Events

- *July 2019: CitSci Program featured at SAFMC's ICAST booth*
- *Oct 2019: GA Coastfest*
- *Nov 2019: NC Fishing Industry Summit*

Program Outreach

- *CitSci Brochure*
- *CitSci Corner in SAFMC newsletters*
- *#CitSciFri*
- *Email distribution list*
- *Annual Report*



SAFMC Citizen Science Research Needs

TOPIC	DATA NEEDED:	POTENTIAL OUTCOME:
Age Sampling	Otolith collection	Age of catches
Maturity Data	Gonad collection	Improved reproductive information
Discard information	Length, depth, # of fish, reason, devices used	Improved discard removal estimates, size comps of discards
Genetic Sampling	Fin clips	Stock I.D.
Bottom habitat mapping	Imagery	Improved resolution of habitat
Monitoring in managed areas	Species, length, depth	Changes in fish abundance
Fishing infrastructure	Location and type of infrastructure	Document social/economic impacts of regulations over time
Historical Fishing Photos	Images (electronic)	Length comps; improved historical information
Oceanographic/ Environmental Conditions	Bottom temperature; weather	Build database on climate and changing conditions
Rare species observations	Point observations	Baseline for species shift

Projects & Collaborations



PROJECTS IN PROGRESS:

- Scamp Release Pilot Project
- Promoting Gray's Reef Through Engaging Georgia Anglers
- FISHstory Pilot Project

PROJECTS UNDER DEVELOPMENT:

- Rare Species Observations
- Diver Observations for Data Limited Species

ADDITIONAL COLLABORATIONS UNDER DEVELOPMENT:

- Participatory Workshops
- Shifting Species Proposal

Photo credit: Don DeMaria

Projects & Collaborations Under Development

Rare Species Observations

- **Partners:** *UNC, NOAA Fisheries, SECOORA, University of Tasmania*
- **Jan 2020:** *Submitted prospectus to Lenfest*

Diver Observations for Data Limited Species

- **Partners:** *REEF and SECOORA*
- **Jan 2020:** *Submitted proposal to Coral Reef Conservation Program*

Dolphin Wahoo Participatory Workshops

- **Partners:** *SEFSC*
- **NC/VA Workshops**
 - *March 9: Beaufort, NC*
 - *March 10: Wanchese, NC*
 - *March 11: Virginia Beach, VA*
- **FL Keys Workshops: Summer 2020**



SAFMC

Catch



Measure



Record



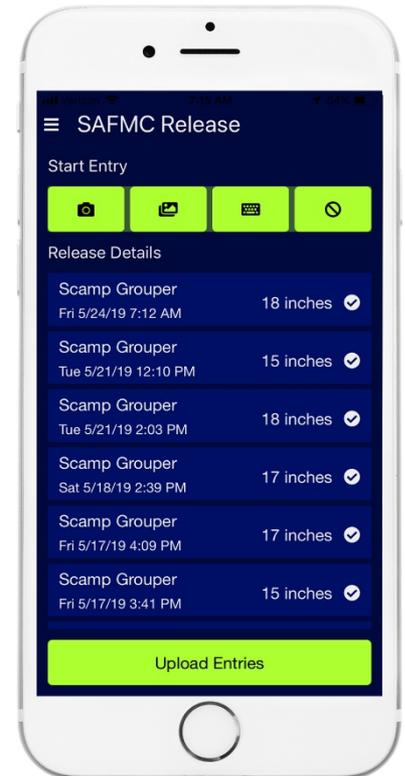
Release

Release



SAFMC Scamp Release

- Collecting info on scamp discards via mobile app
- Pilot app launched June 2019
- Working on recruitment and retention of commercial, for-hire, & recreational fishermen
- Upcoming
 - ACCSP: receive funding Spring/Summer 2020
 - Waitt Foundation: proposal submitted Nov 2019
 - SEDAR: Data will be submitted for review at SEDAR 68 (Gulf of Mexico & South Atlantic Scamp) Data Workshop
 - College of Charleston: Graduate student will review user perceptions of the app



Promoting Gray's Reef Through Engaging GA Anglers

- Focuses on increasing awareness of Gray's Reef National Marine Sanctuary among recreational anglers, furthering use of best fishing practices for deep-water species, & promoting collaboration through Cit Sci to help fill data gaps
- Partners: The Nature Conservancy (lead), Gray's Reef National Marine Sanctuary, National Marine Sanctuary Foundation (funding), GA Sea Grant, GADNR, SAFMC





PC: Rusty Hudson



PC: Rusty Hudson

*FISH*story

- Pilot project to document historic for-hire catch and length estimates using historic photos
- Project Coordinator, Allie Iberle, hired
- Project Design Team formed
- For-Hire Catch
 - Project created in Zooniverse
 - Validation Team formed & training webinars held in Dec 2019 & Jan 2020
 - Project submitted for beta testing
 - Communication plan & promotional materials under development
- Length Composition
 - Database formatted
 - Protocol under development

FISHstory Zooniverse Demonstration



CRUISER MAKO
CAPT. JAKE STONE

FISHstory: Discussion Questions

TARGET AUDIENCES & PROJECT PROMOTION

Staff have identified the following target audiences.

Target Audience	Potential Contacts/Methods
General Fishing Public	SAFMC AP members, SAFMC constant contact & social media, fishing clubs & associations
General Public (non-fishing)	
Scientists	SEP, SSC, & CitSci AP pool members, AFS
Students/Classrooms (8th – graduate level)	South Carolina Marine Educators Association, State Agency Education Programs
Zooniverse Users	Zooniverse announcements, newsletters, & emails
Media	SAFMC news release
SAFMC Council Members	Email & in-person
Other Fishery Management Councils	Other Council communication staff

- Are these audiences appropriate?
- Are there other audiences that should be considered?
- Do AP members have suggestions on specific individuals and/or organizations under the target audiences staff should contact?
- Are any AP members willing to help promote the project through their organizations or networks?

***FISHstory*: Discussion Questions**

VOLUNTEER ENGAGEMENT

- What volunteer recruitment and retention strategies should staff consider for this project?
- What methods and approaches should staff consider when sharing project updates and results with participants?

Keep Up with Projects & the Program!

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<http://safmc.net/citizen-science-program/>