



Citizen Science

Citizen Science Program Update

SAFMC
December 2024

Program Activities



NOAA CitSci Funding Opportunity



ASMFC Memorandum of Understanding



SMILE Project Update



SAFMC Release



SciFish Platform



FISHstory Re-Launch



SMILE Project

- Partner with divers to collect length info on data limited species
- Laser-mounted Olympus underwater cameras
- Field testing in FL Keys
- Data analysis underway for first field season
- Second field season underway





SAFMC Release



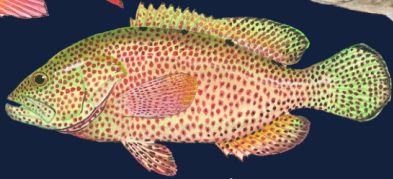
Updates



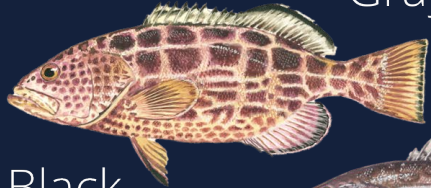
Red
Snapper



Scamp



Graysby



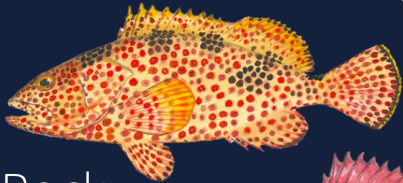
Black



Yellow-
mouth



Gag



Rock
Hind



Yellowfin



Red Hind



Red



Coney

Participants recording released shallow water grouper and Red Snapper in SciFish app

Continued outreach, communication with participants, and participant recognition

Participant engagement and retention

Recent Outreach Efforts

BFP MVP St. Augustine
PC: A. Oliver



SeaCoast Anglers Assoc.
PC: A. Oliver



Florence Blue Water Fishing Club
PC: Blue Water Fishing Club

Upcoming Activities



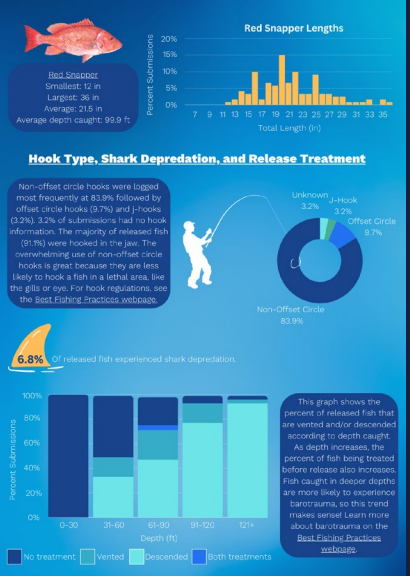
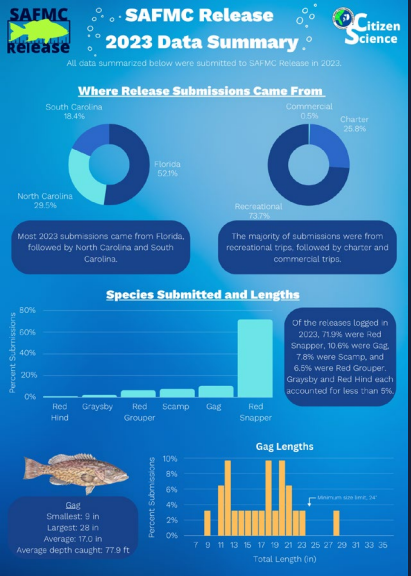
Annual Data Summary



PRP 2025 Milestones



CitSci & BFP Outreach





SciFish Platform

www.accsp.org/what-we-do/scifish/

SciFish Introduction



Growing interest in using citizen science, which is a powerful tool to better understand marine fish populations



Vision: To create a citizen science mobile application that encourages and supports the capture and sharing of data on Atlantic coast fisheries.



Develop a citizen science mobile application and menu-driven project builder interface to eliminate need for stand-alone apps and standardize data collection



SciFish Development Drivers



Reduce costs
needed to develop
individual
applications



Reduce time to
create applications
from ground up

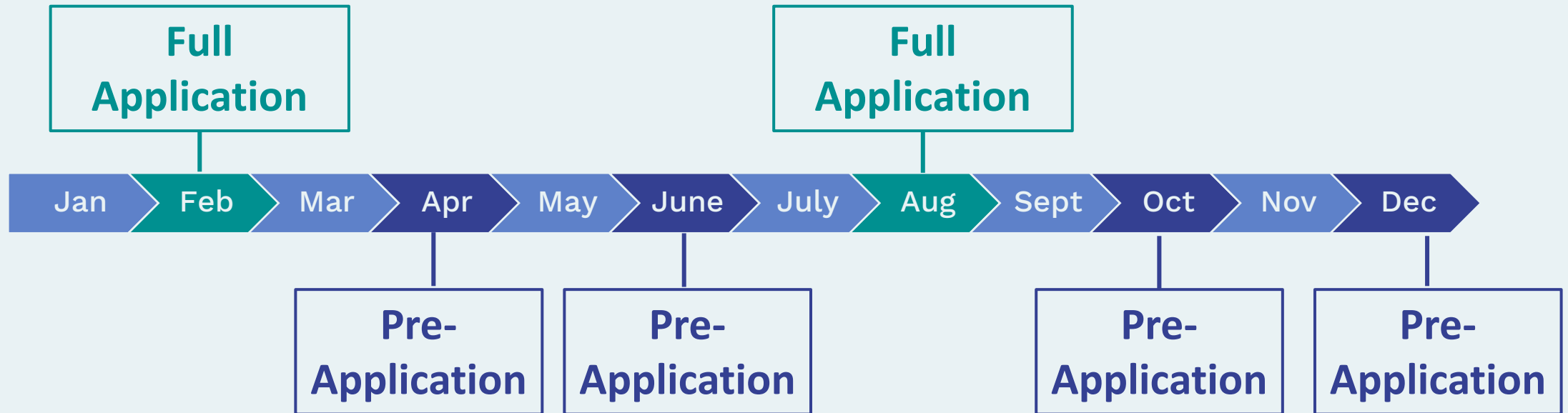


Increase
consistency in data
fields and structure



SciFish Project Development

Multi-step Application Process

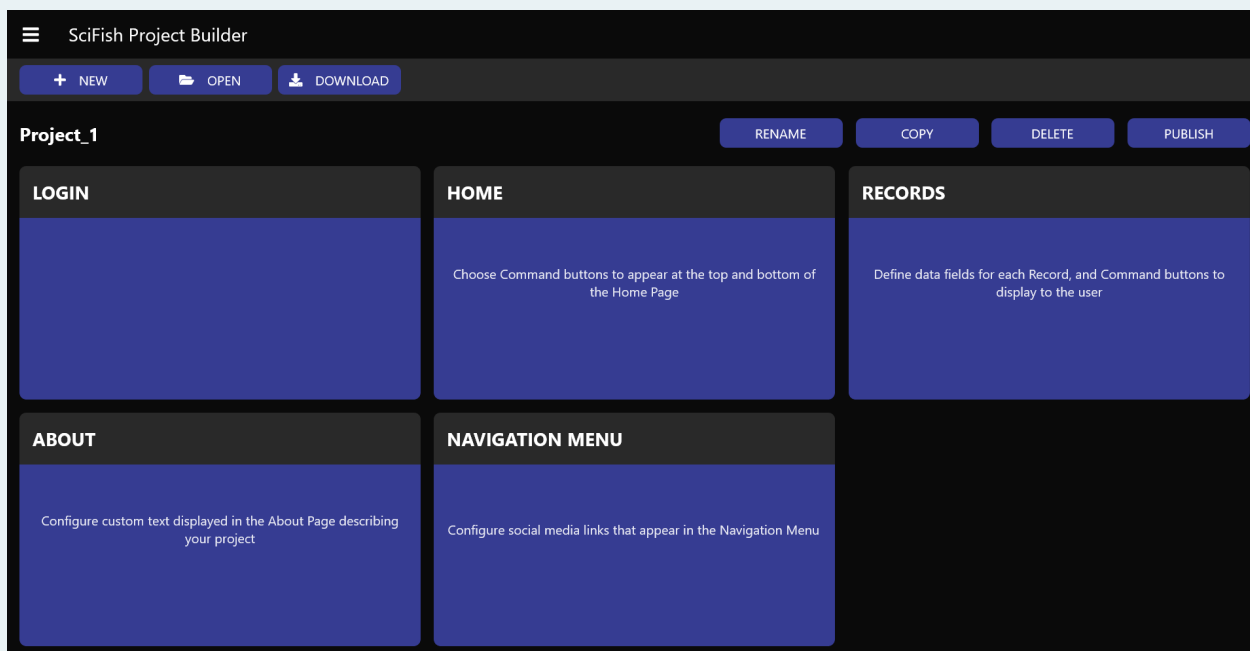




SciFish Platform

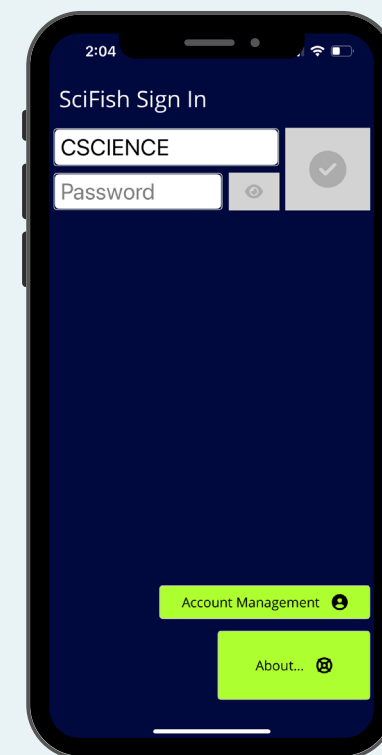


SciFish Project Builder



[ACCSP SciFish Builder.mp4](#)

SciFish Mobile App





SciFish Uses

SciFish Projects



SciFish API





FISHstory





Gathering New Photos

- Goal: Collect historic fishing photos from across the South Atlantic region from the 1940s – 1980s for the FISHstory project



8 scanning events
were held via Council
related meetings



AP & Council
members helped
connect us to others
in their communities



Members of the public
reached out after seeing
information via Council
communication channels



FISHstory Photo Archive

>600 new photos were
digitized and archived in 2023

We're still working to grow
archive



FISHstory: Photos for Analyses

Photo Description	Good	Better
Photo Type	Picture taken at the end of a trip displaying harvested catch with anglers	Fish hanging on leaderboard
Photo Date	Year	Month & Day
Photo Location	State	City & Dock
Photo Background	Photo provider name & contact	Vessel name & captain name



FISHstory project re-launched in Zooniverse July 2024!



FISHstory ✓

[ABOUT](#) [CLASSIFY](#) [TALK](#) [COLLECT](#) [RECENTS](#)

Level 3 is now unlocked for all volunteers - so you can keep classifying away and helping us identify and count fish within the photos. Not a fish ID expert? No worries - we have tips and tricks in our tutorials and field guide. Feel free to reach out to our research team via the Talk Boards with any fish ID questions.



DAYTONA BEACH, FLA.

FISHSTORY

Filling Fisheries Data Gaps with Historical Dock Photos

[LEARN MORE](#) >

GET STARTED!

Welcome to the FISHstory Project! We have four workflows where you can help us collect information from historic dock photos. Start with LEVEL 1 and unlock additional levels as you classify more photos. If you're not a fish ID expert, no worries! We welcome all and encourage you to use our Field Guide to help identify fish and provide your best guess. Thank you for your participation!

The collection of SAFMC FISHstory information is authorized under the OMB Control Number included in the [Citizen Science & Crowdsourcing Information Collection page](#).

UNLOCKED

5% COMPLETE

LEVEL 3: Classify Red Snapper, Amberjack & Sharks >

2% COMPLETE

LEVEL 4: Classify Dolphinfin, Cobia, Gray Triggerfish & Little Tunny >

LOCKED





Good participation thus far..... but working to recruit more volunteers

As of November 13, 2024

LEVEL 1: Count Fish and People

Retirement limit: 20

Images retired: 580 / 580

ETC* 0 days



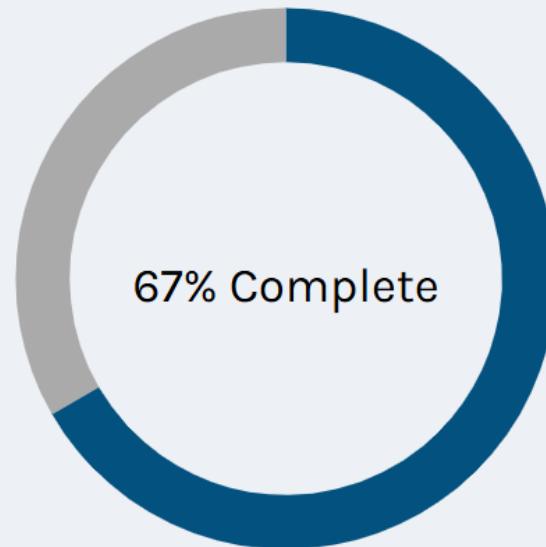
LEVEL 2: Classify King Mackerel, Grouper & Sailfish

Retirement limit: 20

Images retired: 474 / 854

Classifications: 11,388 / 17,080

ETC* 30 days



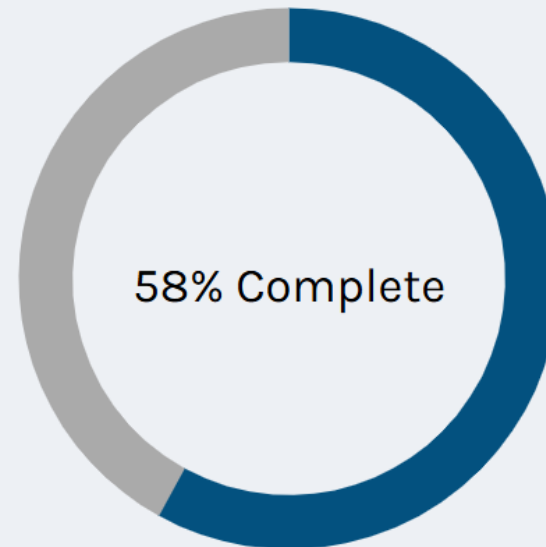
LEVEL 3: Classify Red Snapper, Amberjack & Sharks

Retirement limit: 20

Images retired: 450 / 854

Classifications: 9,915 / 17,080

ETC* 66 days



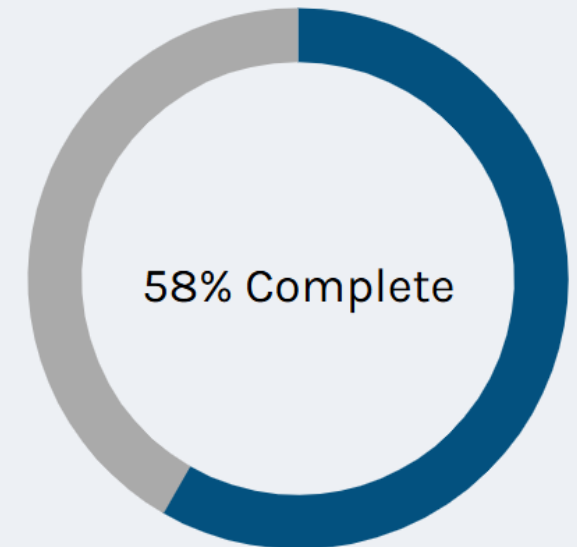
LEVEL 4: Classify Dolphinfinh, Cobia, Gray Triggerfish & Little Tunny

Retirement limit: 20

Images retired: 456 / 854

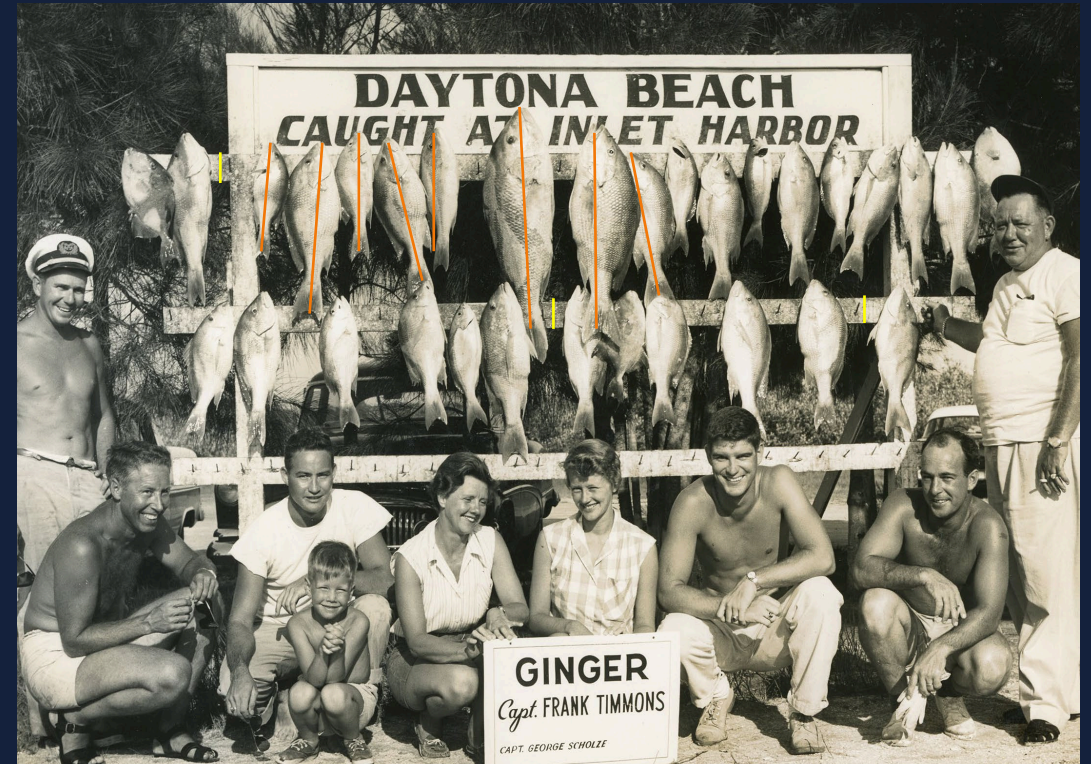
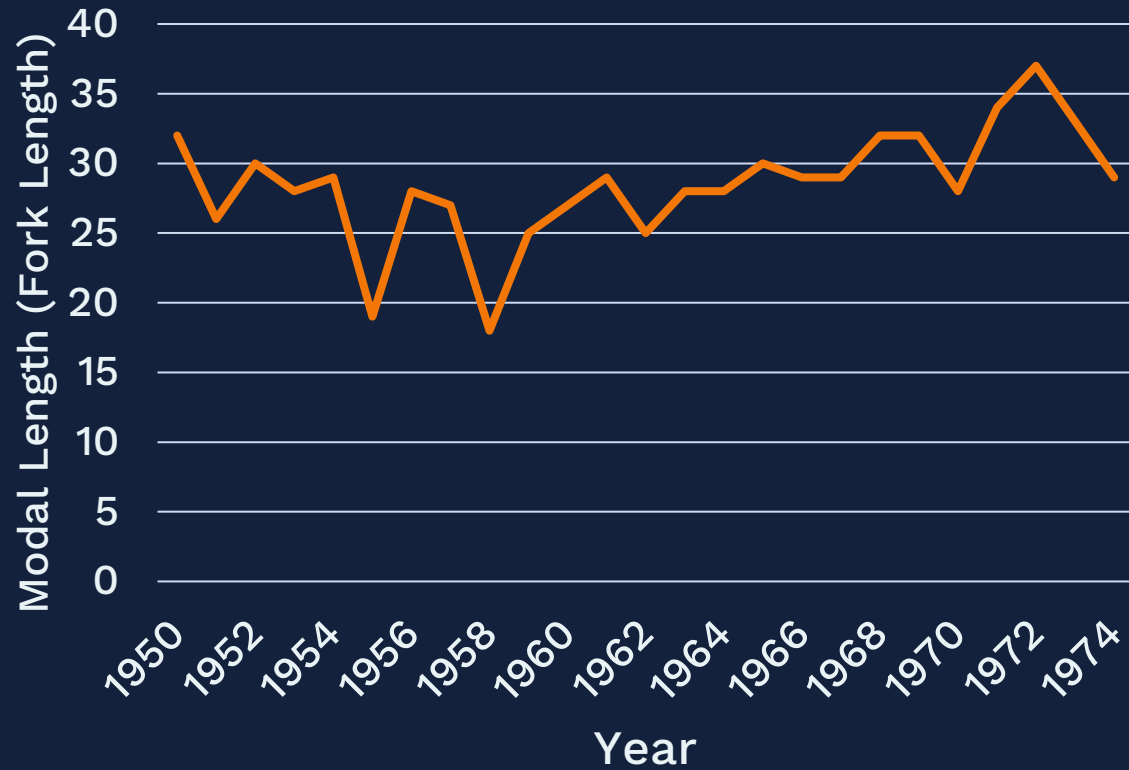
Classifications: 9,966 / 17,080

ETC* 41 days





Estimating Fish Lengths



Keep up with projects & the Program!
safmc.net/citizen-science-program/



Julia Byrd
CitSci Program Manager
julia.byrd@safmc.net

Meg Withers
CitSci Project Coordinator
meg.withers@safmc.net