

Sport Fish Restoration Program Update

October 2022



James Ballard

Sport Fish Restoration Program Coordinator

Continuous Water Quality Monitoring



- Temperature
- Conductivity
- Salinity
- Dissolved Oxygen
- Turbidity
- pH

EdgeTech Ropeless Fishing System

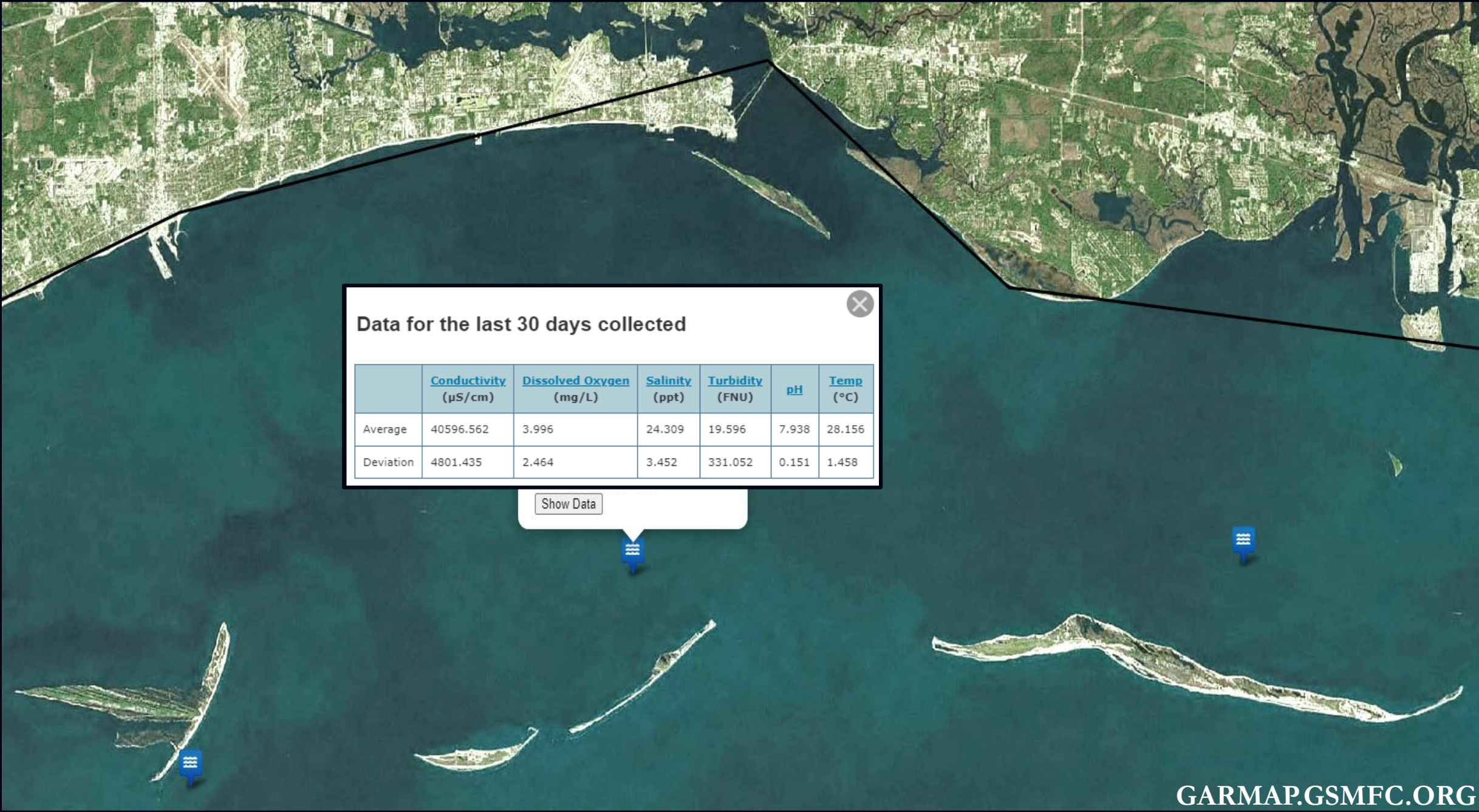


Continuous Water Quality Monitoring







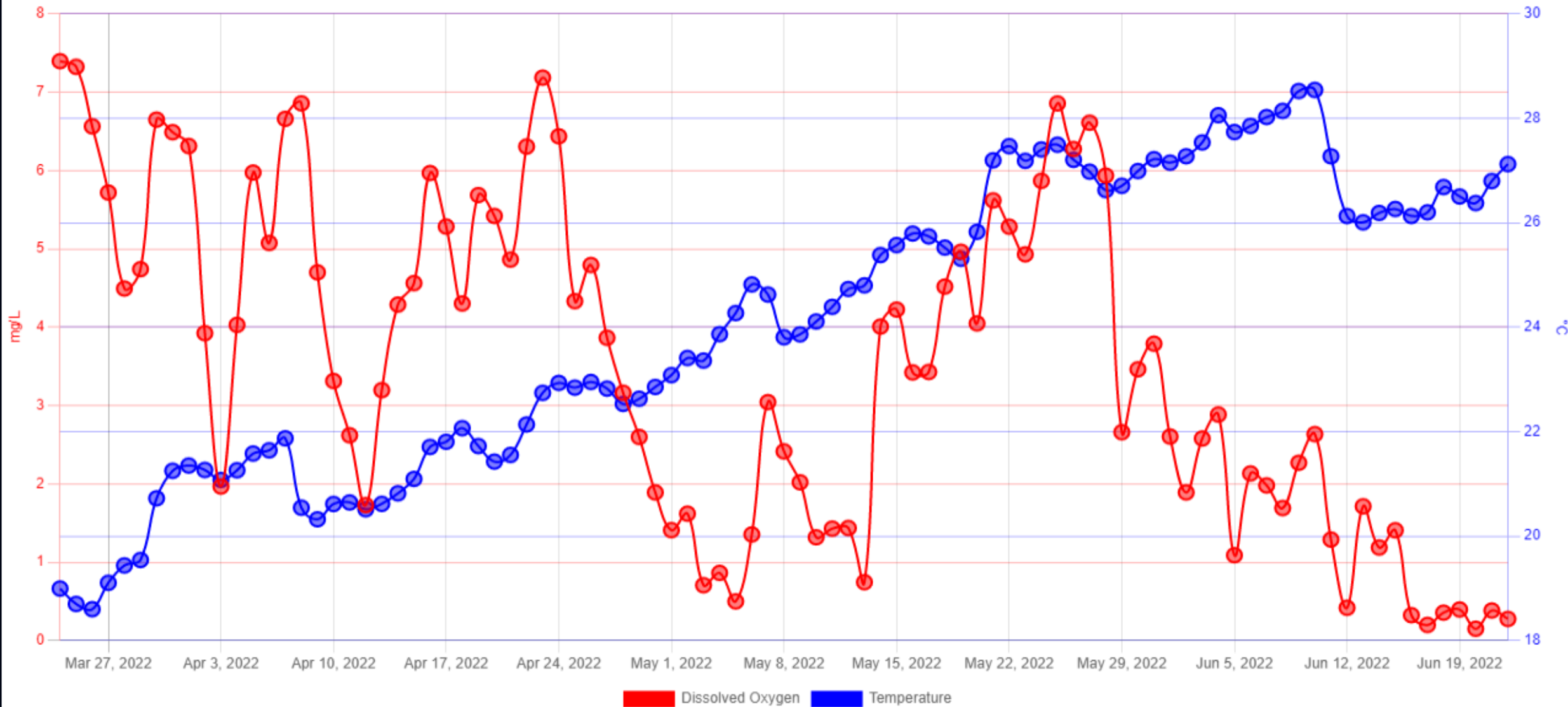


Data for the last 30 days collected

	Conductivity ($\mu\text{S}/\text{cm}$)	Dissolved Oxygen (mg/L)	Salinity (ppt)	Turbidity (FNU)	pH	Temp ($^{\circ}\text{C}$)
Average	40596.562	3.996	24.309	19.596	7.938	28.156
Deviation	4801.435	2.464	3.452	331.052	0.151	1.458

Show Data

Average Dissolved Oxygen/Temperature for the last 90 days collected



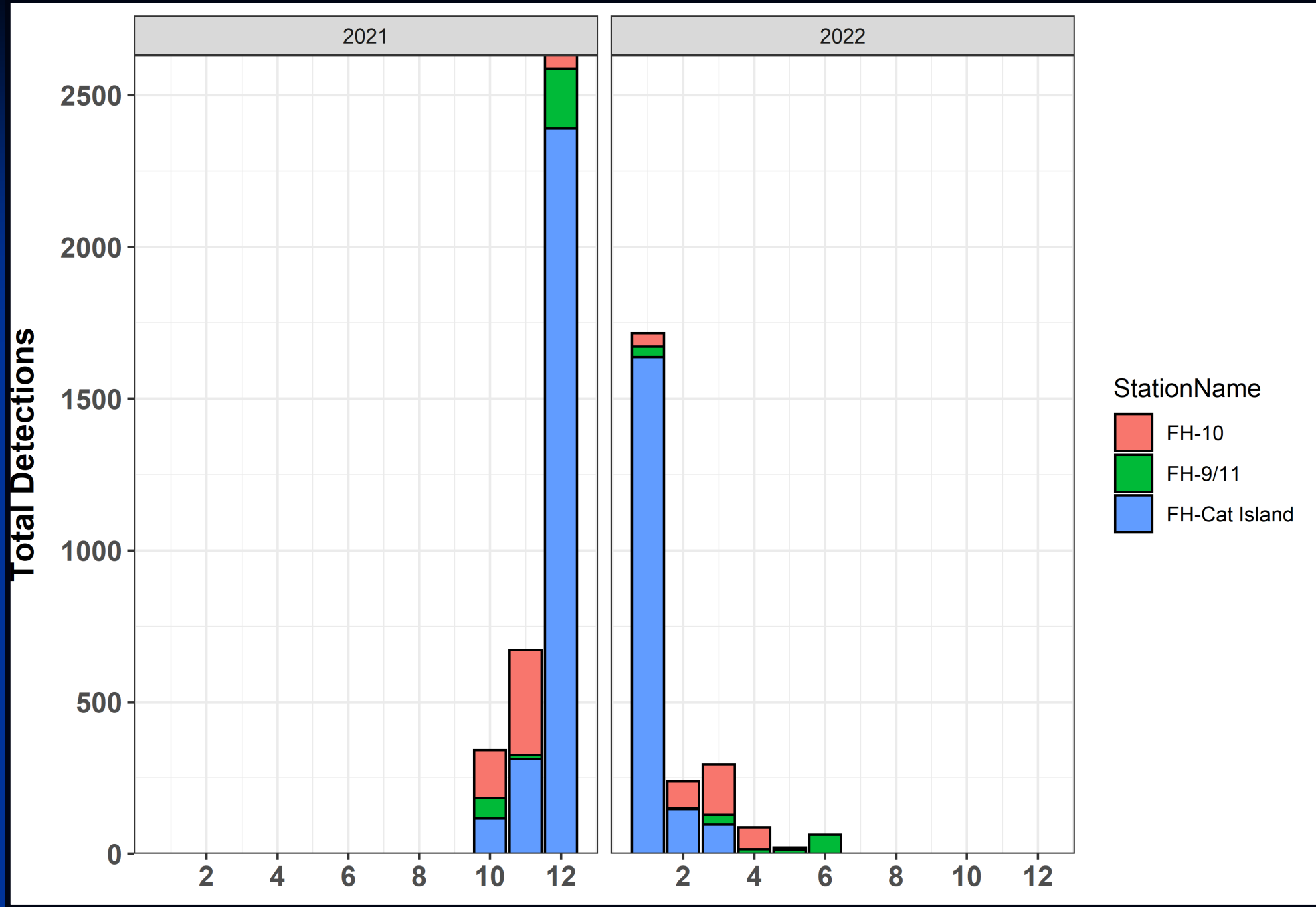
Days to show:

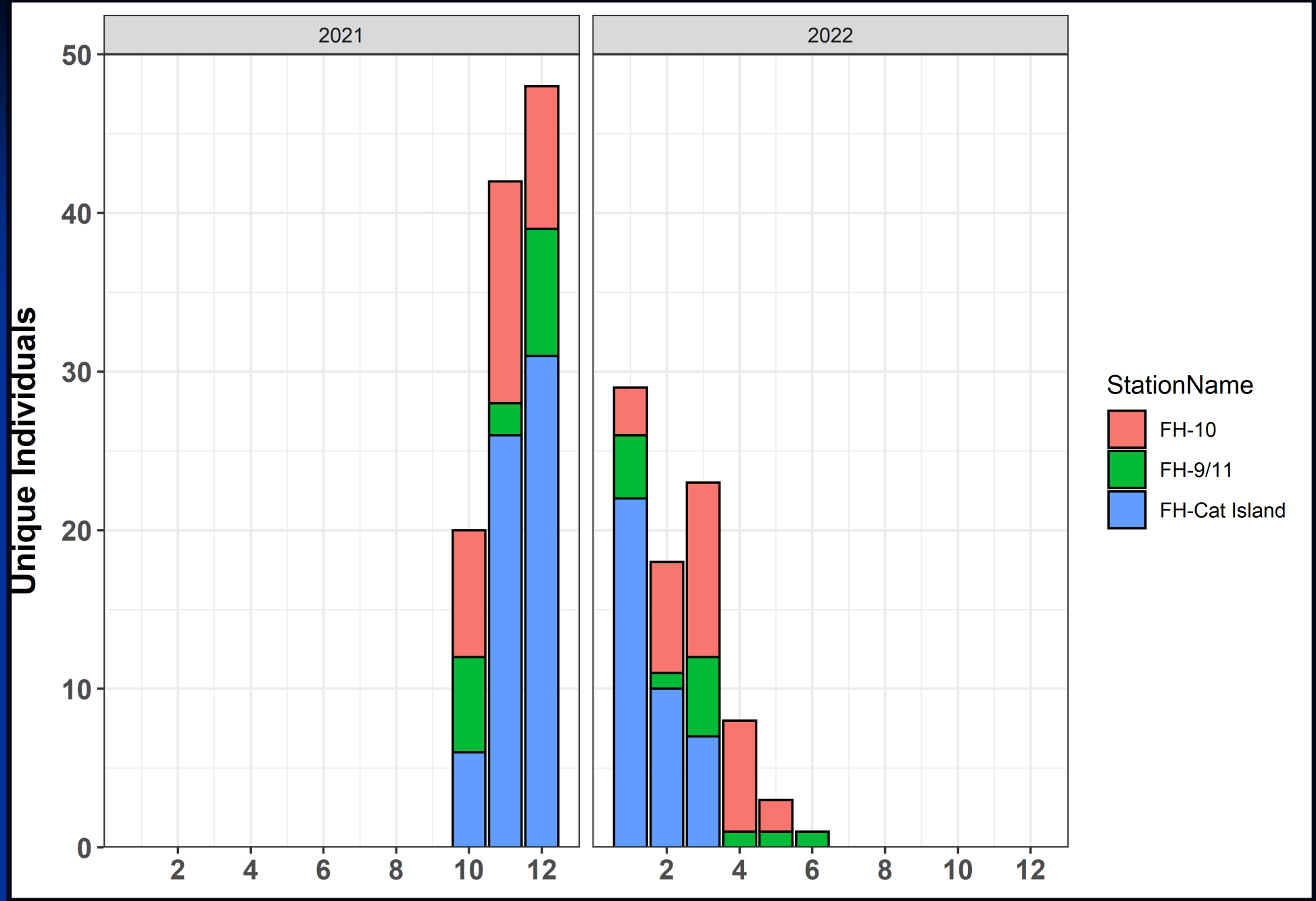
Additional data to show:

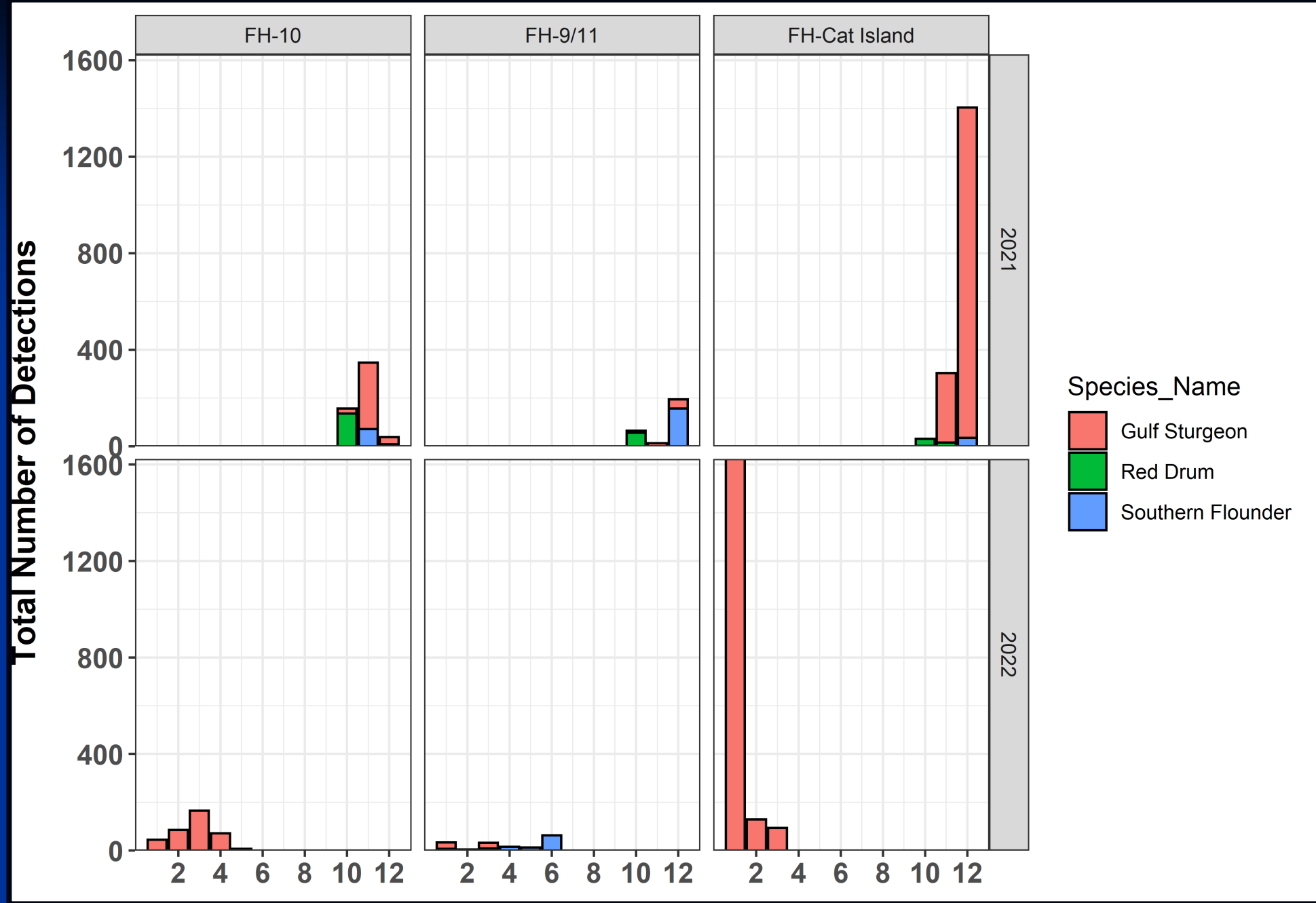
Click the data point to get details for that day.

Dissolved Oxygen/Temperature for 2022-05-13











Questions?

Aquatic Nuisance Species Program Update

October 2022



James Ballard

Aquatic Nuisance Species Program Coordinator

U.S. Fish and Wildlife Service Region 4 AIS Program - Small Grants Program



- Over the Last Seven Years - 43 Projects Funded Totaling Over \$1,000,000
- Giant Salvinia, Hydrilla, Phragmites, Didymo, Asian Carp, Rusty Crayfish, Speckled Crayfish, Red-rimmed Melania, Lionfish, Apple Snail, Asian Clam, American Eel Swimbladder Parasite, Whirling Disease, Snakehead, Invasive Black Bass, eDNA, Bait Regulations and Novel Cyanotoxin.
- Program has Resulted in Increased Collaboration and Communication Between FWS, GSARP, and the Academic Community.

FY2021 Projects Selected for Funding

- Leveraging Habitat Suitability Modeling to Inform Management of Nonnative Fishes in a Changing Climate. [*US Geological Survey*]
- A Horizon Scan to Collaboratively Identify Invasive Species Threats to the Islands of Puerto Rico and the U.S. Virgin Islands. [*Univ. Florida*]
- Invasive Armored Catfish (*Pterygoplichthys* spp.) and Midas Cichlid (*Amphilophus* spp.) in Puerto Rico Rivers: Evaluations of Invasion Extent and Efficacy of a Physical Control Method. [*Univ. of Tennessee and North Carolina State Univ.*]
- Integrating Chemical and Biological Controls for the Aquatic Weed *Alternanthera philoxeroides* (Alligatorweed). [*Mississippi State Univ.*]

GSARP Invasive Species Traveling Trunk



Island Apple Snail
(*Pomacea maculata*)



Utilized for
1,667 Days Since
Its Release in
2012



ANSTF Subcommittee Activities

➤ Prevention Subcommittee:

- ❖ Addressing five Key Outputs for the ANSTF's Strategic Plan.
 - ❖ Funding a Seaplane Risk Assessment.
- ❖ Established the Fish Production and Retail Hitchhiker Mitigation Workgroup.
 - ❖ Funding “Piloting standard aquatic invasive species training and outreach materials for pet retailers” Project.

➤ Research Subcommittee:

- ❖ National Priorities List for Research on Aquatic Invasive Species.

Associated Meetings

- GSMFC Hosted the Spring 2022 Gulf and South Atlantic Regional Panel (GSARP) Meeting on June 28th – 29th in AL.
 - ❖ The GSARP Fall Meeting is Scheduled for November 30th – December 1st in New Orleans, LA.
- The Aquatic Nuisance Species Task Force's (ANSTF) Spring 2022 Meeting was Held Virtually on May 24th – 26th.
 - ❖ The Fall ANSTF Meeting is Scheduled to be Held on January 11th – 12th, 2023 in Falls Church, VA.



Questions?