

Aquatic Nuisance Species Program Update

March 2019



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Aquatic Invasive Species Program Coordinator

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



- Over the Last Five Years - 33 Projects Funded Totaling \$710K
- Salvinia, Hydrilla, Phragmites, Didymo, Asian Carp, Rusty Crayfish, Speckled Crayfish, Red-rimmed Melania, Lionfish, Apple Snail, Asian Clam, Invasive Parasite of American Eels, Whirling Disease, Snakehead, and Invasive Black Bass.
- Increased Collaboration and Communication Between FWS, GSARP, and the Academic Community.

FY2018 Funded Projects

- UGA - Prioritizing Management of Hydrilla in Reservoirs with Toxic Epiphytic Cyanobacteria to Reduce Vacuolar Myelinopathy and Prevent Novel Hydrilla/Aetokthonos hydrillicola Invasions.
- AU - Novel Tools to Detect, Track, and Trace *Myxobolus cerebralis* (Causative Agent of Whirling Disease) in the Southeastern United States.
- UAPB - Identifying Origins and Dispersal of Asian Carps (*Hypophthalmichthys* sp.) and Northern Snakehead (*Channa argus*) in the Lower Mississippi River basin.
- SFASU - Ideal Temperatures for Applying Salvinicide III to Control Giant Salvinia.
- CSU - Development of New Management Strategies: Viability of Hydrilla Tubers Under Different Combinations of Substrate and Drying Period.
- CU - Identifying Drivers of Hybridization Between Endemic and Invasive Black Basses in Georgia.

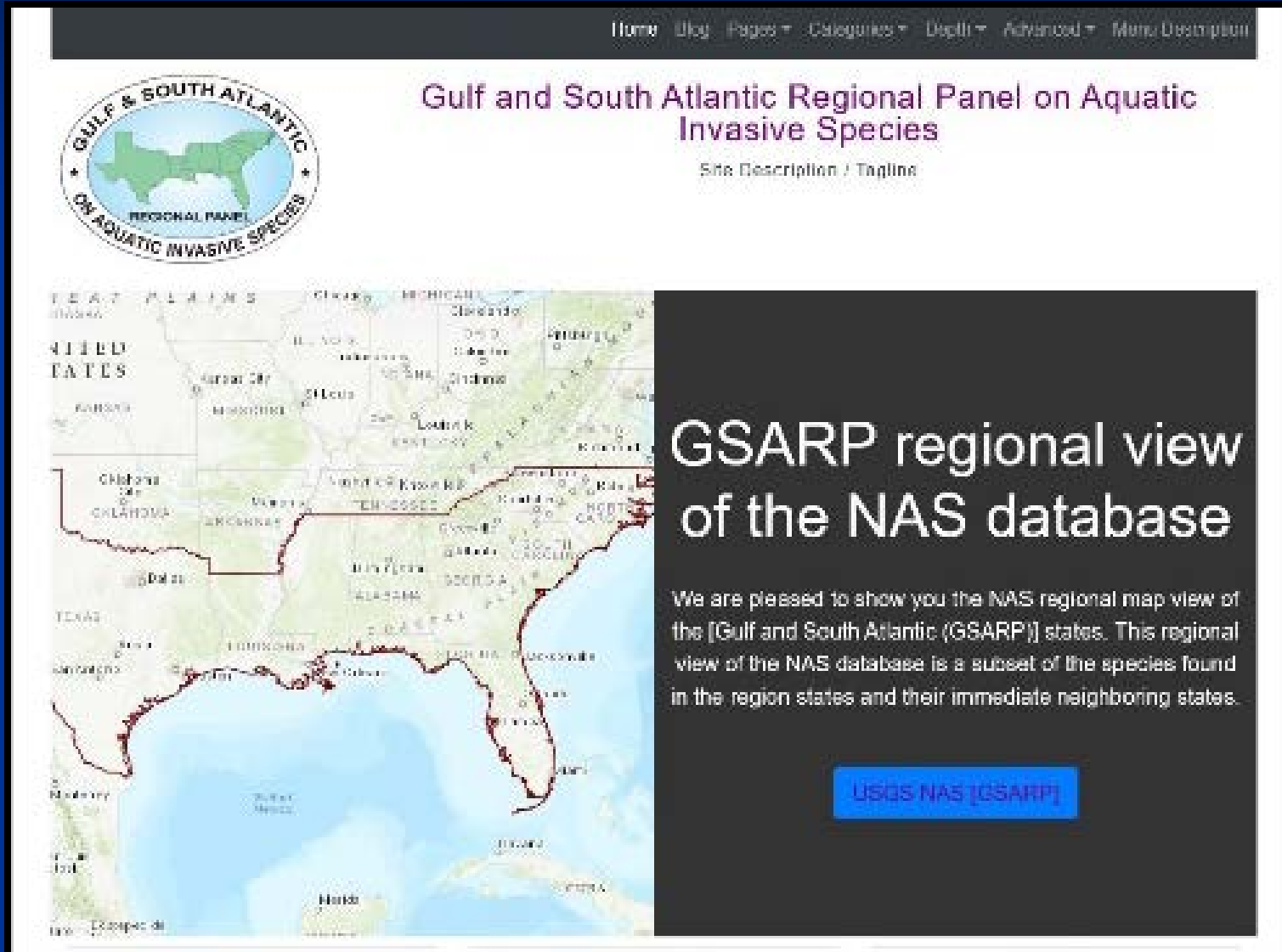
GSARP Invasive Species Traveling Trunk



Utilized for
over 70 days
since the fall
2018 meeting



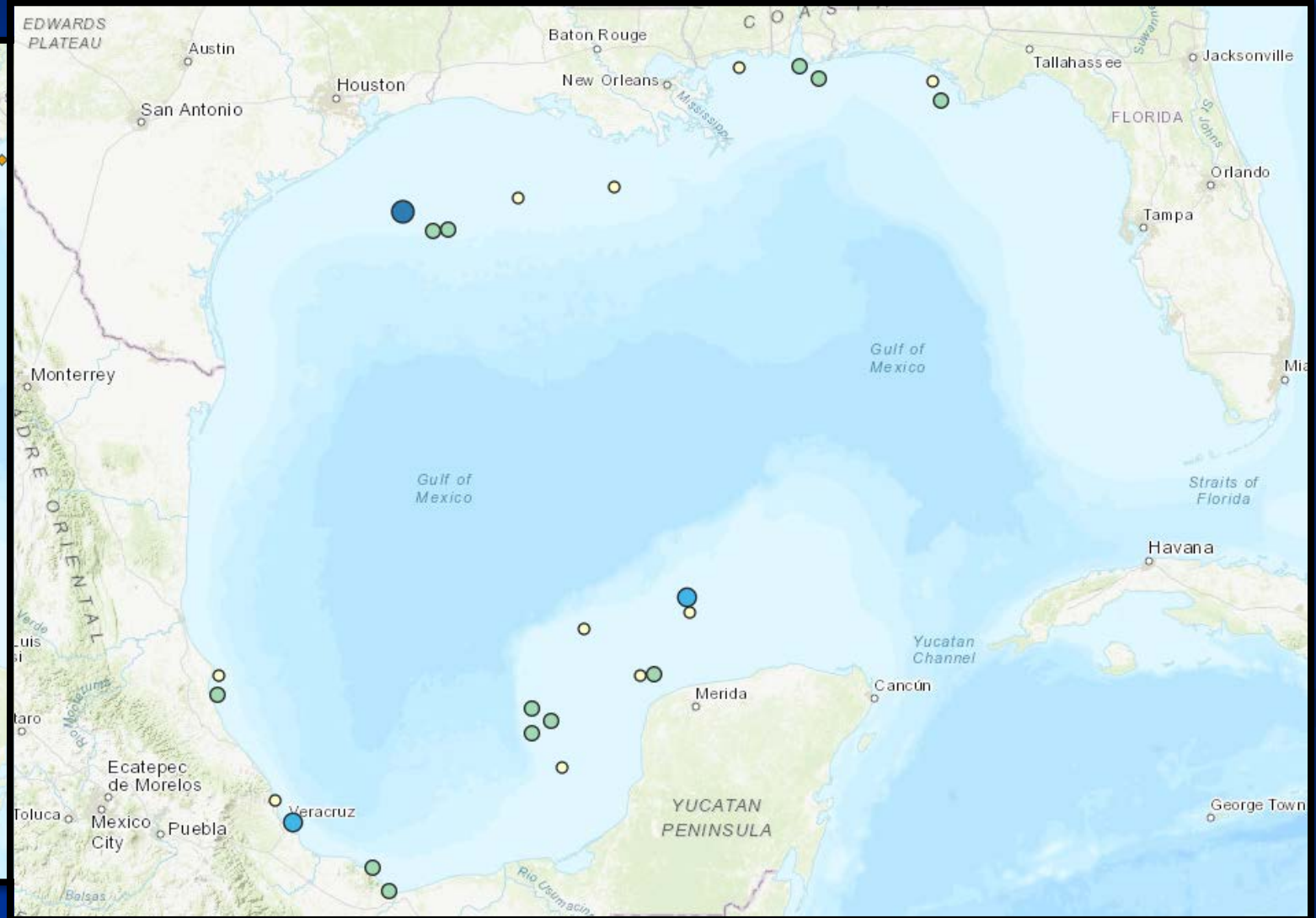
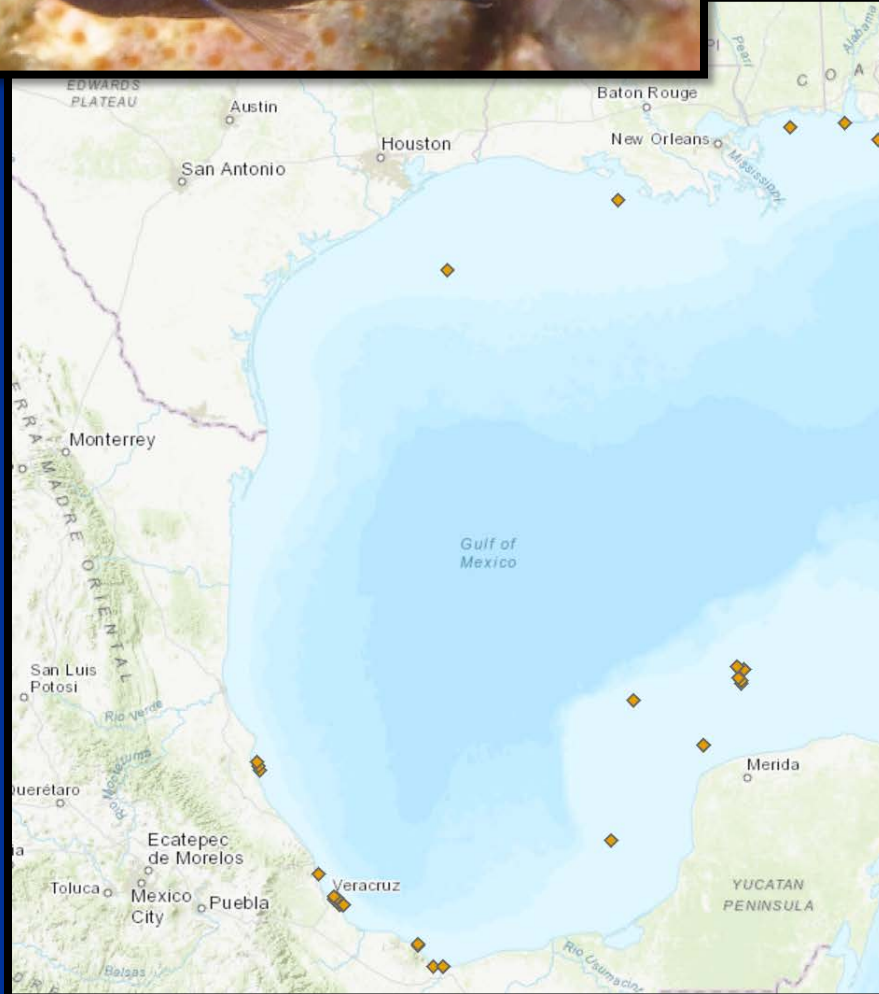
New GSARP Website



- Regional View of NAS Database
- Database of Research Publications and Reports
- State ANS Management Plans
- List of Top 10 Invasive Species in the Region with Fact Sheets
- Clearinghouse of Risk Assessments

Regal Demoiselle

(*Neopomacentrus cyanomos*)



Recent Invasive Species Legislation

➤ S. 3021 America's Water Infrastructure Act of 2018

- Directs the ACOE to expand research on aquatic invasive species, including zebra mussels and Asian carp.

➤ S. 140 Coast Guard Authorization Bill

- Vessel Incidental Discharge Act – Preempts State Authority – EPA Assumes the Lead in Establishing Standards for Vessel Discharges – USCG Promulgates Standards (e.g. Vessel Technology Requirements) and Takes the Lead in Monitoring and Enforcing Standards.

➤ S. 47 John D. Dingell, Jr. Conservation, Management, and Recreation Act.

- Title VII – Wildlife Innovation and Longevity Driver Act - the purpose of this subsection is to protect water, oceans, coasts, and wildlife from invasive species. Requires Federal Agencies to Implement Strategic Programs to Control Invasive Species.



Questions?