

An Overview of ECISMA and FWC Efforts For Nonnative Fish



ECISMA Summit
July 17, 2019



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2019 ECISMA Nonnative Fish RoundUp



April 26-27, 2019

- 2 weigh-in locations
- 25 Anglers
- 1,195 fish
- 679 pounds
- 18 different species
- No new species
- Biggest Fish – 7.10 lb Bullseye
- Most Species – 11
- Most Weight – 143.8 lbs

T-shirts For Sale!

Early Detection and Rapid Response

Fish Slams = Range expansion, discovery of new species



A big shout out to Pam Schofield and Mary Brown, USGS!!

November 2018 Fish Slam, SE Florida

- 11 agencies, 32 biologists, 22 sites
- 23 nonnative fish species
- No new exotics; uncommon – common carp

Early Detection and Rapid Response

Spring 2019 Fish Slam

March 2019 Fish Slam; Vero Beach area

- 10 agencies, 30 biologists, 18 sites
- 11 nonnative fish species
- Swordtails (new to area), Rio Grande Cichlid (uncommon)



Early Detection and Rapid Response

Range expansion, discovery of new species

Natural Waters Surveys

- North Fork of the St. Lucie River and Lox Slough
- No new species detected
- Primarily Mayans, Sailfin Catfish and Tilapia



Risk Screenings of Fresh and Saltwater Fishes

Pomacentrids

- >4 million imported annually (40%)
- High propagule pressure
- 11 species examined
- Regal Demoiselle – established in GOM
- 2 species monitored in Miami Beach
- Bioprofiles completed, FISKv2 next



Source: Jack Randall/USGS. Media



Large-bodied Nonnative Catfish

- Redtail Catfish, Goonch, 3 *Pseudoplatystoma* spp.
- Singleton catches of all but Goonch
- Bioprofile, FISKv2, LLTs
- Spawning requirement issues

Risk Screenings of USFWS Injurious Fish Species

FWC Conditional Species

- 5 species; 3 carp, Nile Perch, Walking Catfish
- On FWC Conditional list for decades
- Use findings for future management recommendations



Injurious Species not FWC Listed

- 10 species; inc. 3 carp, Wels Catfish, Zander
- Use findings for future management recommendations



Stone moroko = elevated



Prussian Carp = elevated



Zander = low

Alligator Gar

- Interest as ornamental fish
- Imported from SE Asia
- Limited to Panhandle rivers
- Illegal to possess without permit
- Questions on potential establishment, spread and impacts in peninsular FL
- Bioprofile and FISKv2
- High climate match
- Reproductive requirements may be barrier
- Results will inform management decisions



STANDARDIZED ELECTROFISHING

- 6 canals in October (Cutler Drain, Tamiami, Snake Creek, Cypress Creek, Earman River, and West Palm Beach canals this year)
- 6-8 daytime transects
- Increase detection probability of new species
- Generally add 3-4 native and nonnative species



OUTREACH AND EDUCATION



Water Matters Day, Tree Tops Park



Outdoor Adventure Day, Lake Ida

Family Fishing Event, Tropical Park

BULLSEYE SNAKEHEAD TOURNAMENTS

- Ongoing since 2010
- 4-6 tournaments/year
- Data on BUSN and LMB



LIONFISH

2018 Lionfish Summit, Cocoa Beach

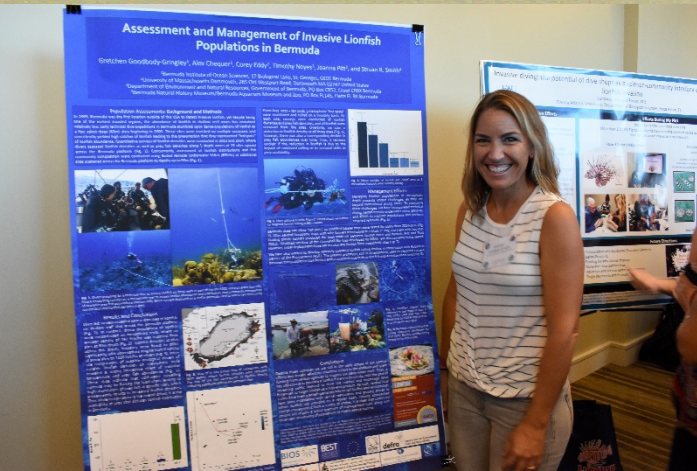
Bringing together stakeholders, researchers, fishery managers, nonprofits and more to discuss the future of lionfish research, policy and outreach



Outreach



Sebastian Lionfish Festival



FIREARMS TRAINING



Thanks to all who helped coordinate the NNFRU, and participate in the Fish Slams!



Questions?

