

**FKNMS  
Special Study  
Priorities**

**FY19 – FY22**

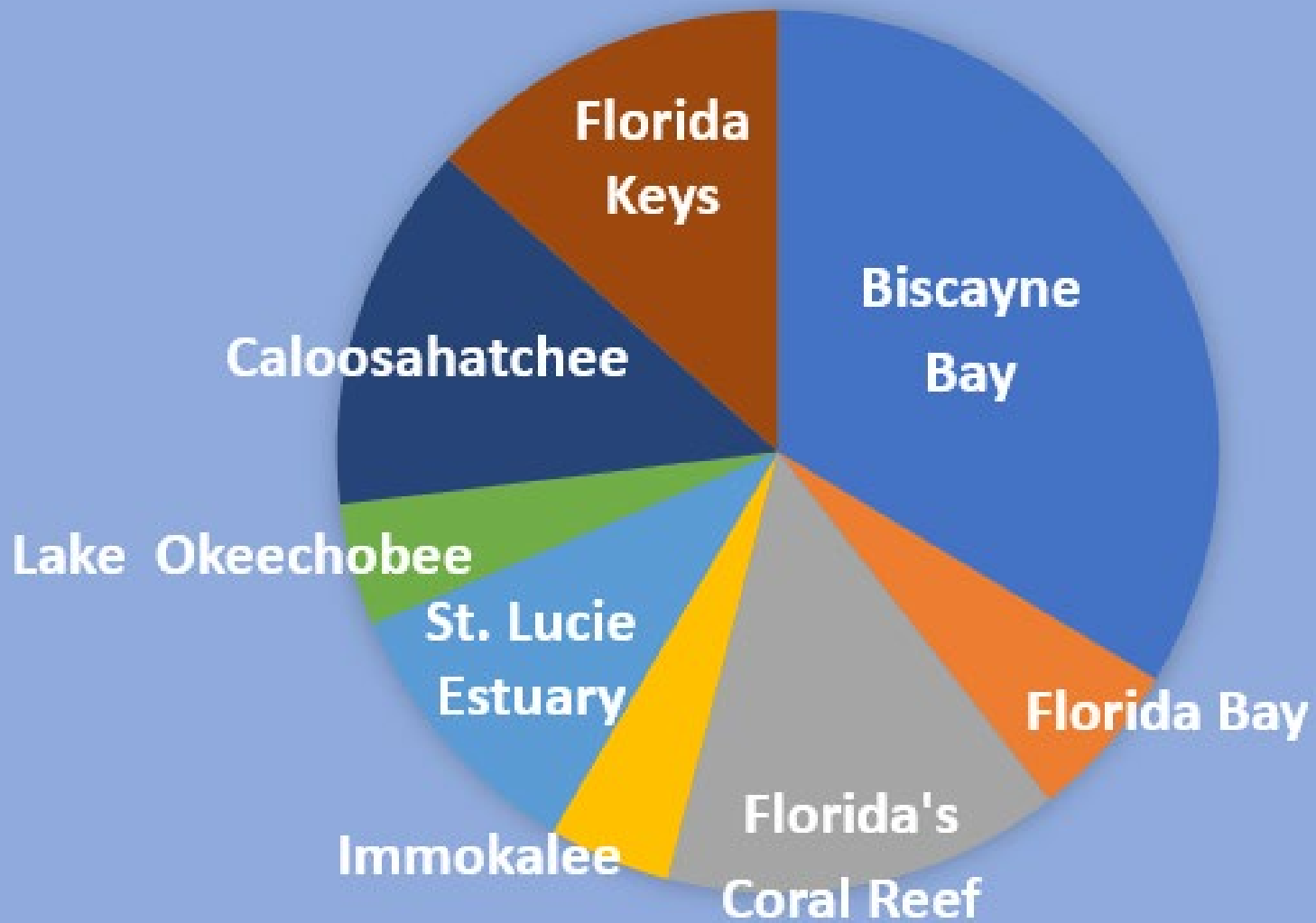
**≈\$7M**

**23 Projects**

Projects	Applicant	Funding	Priority
Trends in Florida Keys water quality and linkages to Synechococcus and Sargassum blooms: Implications for management decisions	USF	\$395,468	Algal and Sargassum Bloom Detection
Canal 114 Plantation Key Gravity Flow Injection Well Pilot	Islamorada	\$82,452	Canal Restoration Demonstration
Florida Keys Seaweed Barrier Technology Pilot Project	Monroe County	\$149,999	Canal Restoration Demonstration
Disturbance Response Monitoring: Continued Surveillance of STCLD	FWRI	\$248,330	Coral Disease
Tracking shifts in bacterial community structure and function of SCTL D infection in the Lower Keys and Dry Tortugas	MOTE	\$176,924	Coral Disease
Linking environmental, ecological, anthropogenic and host-specific drivers to stony coral condition on Florida's Coral Reef	MOTE	\$349,997	Coral Disease
Using Natural-Based Products to Treat Common Endemic Coral Diseases in Florida's Coral Reef	MOTE	\$388,777	Coral Disease
An examination of the risk of pharmaceuticals in South Florida: extent and pathways of exposure in a valuable recreational fishery, bonefish	FIU	\$292,530	Emerging Contaminants

Projects	Applicant	Funding	Priority
Coral Reef Evaluation and Monitoring Project in the Florida Keys National Marine Sanctuary	FWRI	\$290,000 / year	FKNMS CREMP
FKNMS Water Quality Protection Program Database & Website Management	FWRI	\$45,000 / year	FKNMS Database / Website
Seagrass Monitoring in the Florida Keys National Marine Sanctuary (noncompetitive)	FIU	\$250,000 / year	FKNMS Seagrass Monitoring
Water Quality Monitoring in the Florida Keys National Marine Sanctuary (noncompetitive)	FIU	\$500,000 / year	FKNMS Water Quality Monitoring
Observation and modeling of transport and dispersion of waters and pollutants from south Florida watersheds to Florida Keys	FAU	\$350,000	Investigating Upstream Pollutant Sources
Monitoring Water Quality in the Key West Ship Channel and surrounding ecologically and culturally significant coral reefs pre- and post-COVID-19 Anthropause	College of Florida Keys	\$278,308	Key West WQ Monitoring
Monitoring anthropogenic sources of pollution and contaminants of emerging concern around Key West, FL	College of Florida Keys	\$399,395	Key West WQ Monitoring
Removing underwater debris and promoting clean seas	National Marine Sanctuary Foundation	\$100,000	Mission Iconic Reef

Projects	Applicant	Funding	Priority
Florida Keys Water Quality and Climate Monitoring to inform Lower Keys Reef Restoration	MOTE	\$399,998	Mission Iconic Reef
Restoring Diversity to Iconic Reefs	National Marine Sanctuary Foundation	\$325,000	Mission Iconic Reef
Tidal Connections Restoration in Curry Hammock State Park & The City of Marathon	FDEP	\$722,920	Restoring Tidal Connections
Impact of Wastewater Injection on the Florida Keys National Marine Sanctuary	Penn State	\$322,946	Shallow Wasterwater Injection Investigation
Restore Habitats and Improve Water Quality in Florida Bay	FAU	\$324,979	Sponge Restoration
Florida Keys Water Watch Sponge Restoration Aquaculture	UF	\$305,116	Sponge Restoration
Impacts of submarine groundwater discharge on seagrass in Florida Bay	GSU	\$322,383	Submarine Groundwater Transport



## 2023 SFL RFA

- 56 proposals received
- \$25M requested
- 20 projects selected
- ≈\$9.0M available
- \$465,000 average award
- FY24 funding?

<b>FY23 Projects</b>	<b>Applicant</b>	<b>Funding</b>	<b>Priority</b>	<b>Description</b>
Coral Reefs and You	Coral Reef Foundation	400,000	environmental education	Coral Reefs and You: an educational program, targeting all 5th, 8th, and 12th grade Monroe County
Refining sponge nursery design and optimizing the effectiveness of sponge filtration on water quality for sponge community restoration efforts in the FL Keys	Fish and Wildlife Conservation Commission	519,000	habitat/sponge	establish a series of outplant or transplant methods to restore sponge communities in a manner that optimizes their positive ecological effects on the water column
Monitoring mangrove wetland in NE <u>Florida Bay</u>	Audubon	648,903	water quality	monitoring SAV, base prey fishes, and spoonbills to assess impacts from CERP and SLR in FB
Water Quality Sampling and Monitoring, Technology Effectiveness Evaluation and Nearshore Connection Study Evaluation, Gravity Injection Wells Monitoring, Public Outreach, and Seagrass Restoration	Monroe	410,498	canal restoration	canal monitoring, BMP effectiveness, outreach
Monitoring water quality HALO in Florida Keys	University of Miami	338,362	water quality	characterizing nutrient and microbial communities
Develop a model for predicting climate vulnerability and functional change in biological communities of the Florida Reef Tract	Smithsonian Institute	\$649,148	coral	build on and leverage the long-running reef surveys by CREMP and SECREMP by conducting an intensive survey of fishes and mobile macroinvertebrates of the Florida Reef Tract,
Automating and advancing water quality and ecosystem health sensing for coral reef restoration	Woods Hole	\$449,943	Coral	project that will automate and advance water quality and ecosystem health sensing for restoration relevant sites in Florida's Coral Reef / Iconic Reefs

# Florida Keys Priorities Discussion