Interagency Efforts to Restore Florida's Coral Reef

Status, Threats, and the State of Restoration Efforts



The Statewide Office of Resilience supports local communities

• Meet communities where they are through Regional Resilience Tours

 Assist and accelerate DEP implementation of the Resilient Florida framework

Advance ongoing state ecosystem restoration efforts / lower barriers to use of nature-based features and natural infrastructure

Facilitate partnerships to capitalize on strategic collaborations and funding opportunities

The Statewide Office of Resilience leads Interagency
Coordination

UNDER GOVERNOR DESANTIS, THESE STATE AGENCIES ARE MANAGING PUBLIC INVESTMENTS OF:

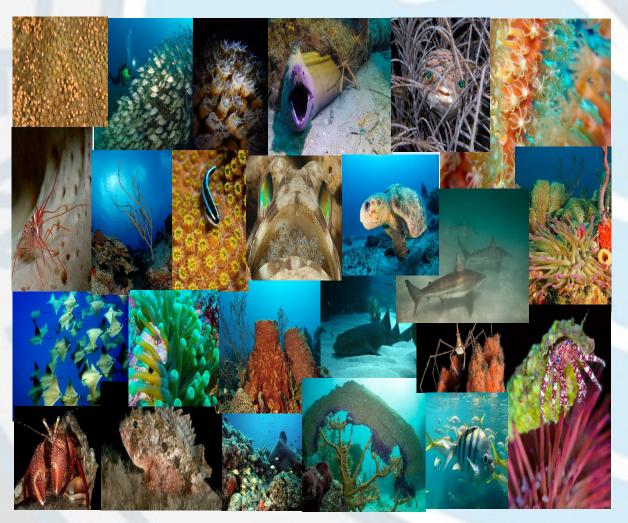




>\$6.5 BILLION IN WATER QUALITY AND
ECOSYSTEM RESTORATION

Florida's Coral Reef

Elemental to SE FL's biological & ecological character

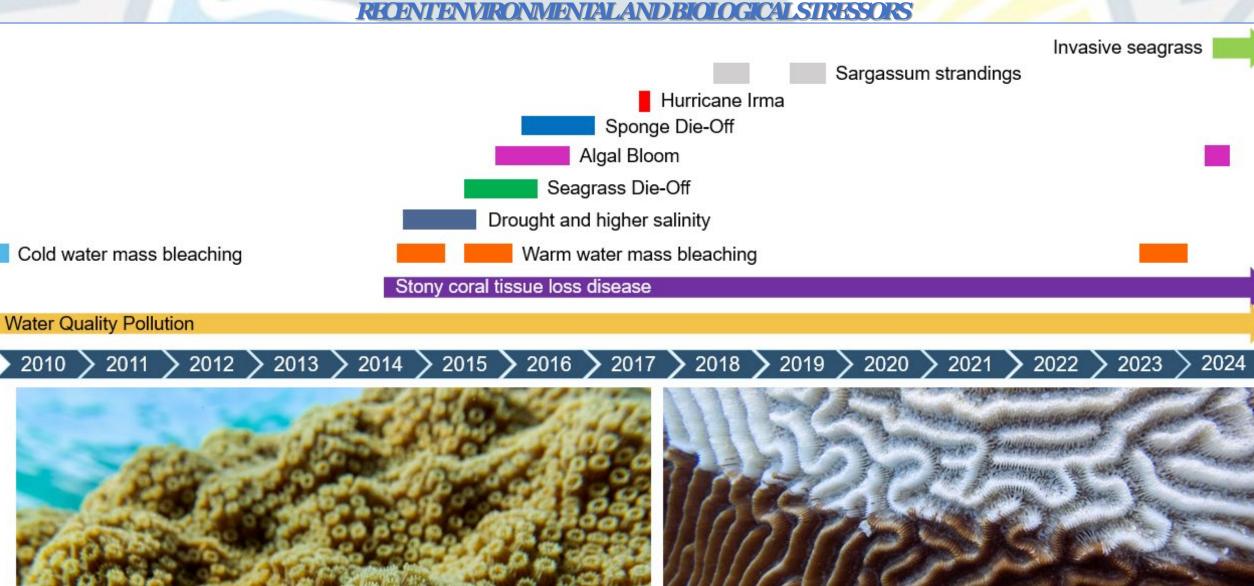


Essential Natural Infrastructure for SE FL

- Fisheries Habitat: Providing 3,787 jobs and \$456.2 million/year in economic output.
- **Tourism:** Annually supporting 71,000 jobs and \$6.3 billion in sales and income.
- Shoreline Protection: Providing protection for 5,600 people and \$675 million in economic activity – over \$1 billion in severe storm events.

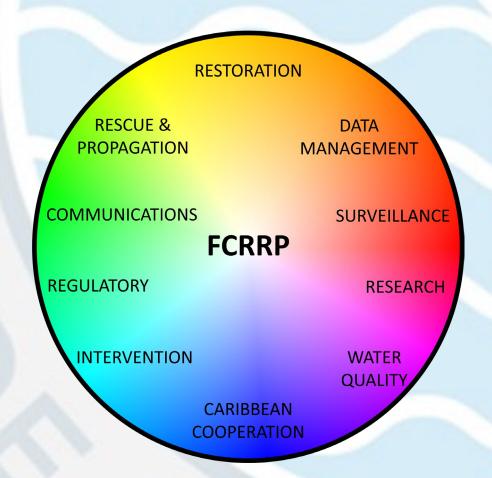


Florida's Coral Reef



Management Coordination

SCTLD Response Team + Florida's Reef Resilience Program =









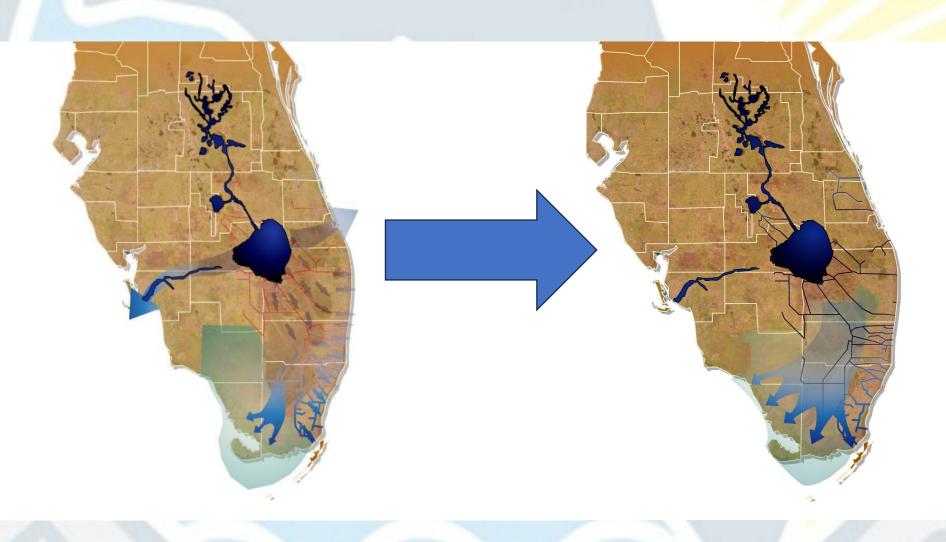




Structure:

2 leadership bodies 9 response teams 80+ agency, academic, NGO, & private partners

+ Future Hydrological Changes...

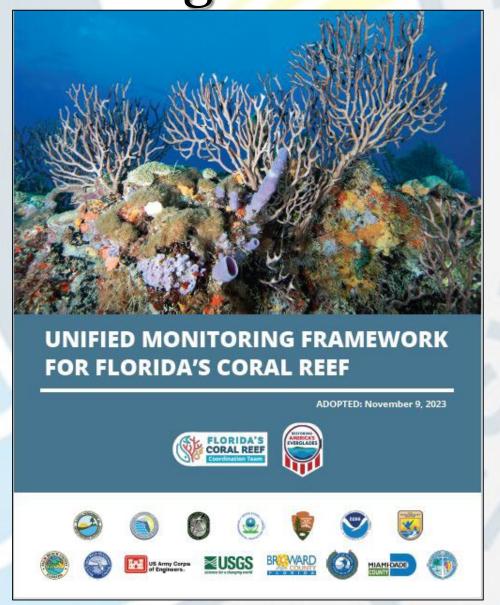


Integrated & Proactive Monitoring Coordination



Regionally integrate and coordinate management and restoration-related activities to conserve and restore Florida's Coral Reef and associated resources to protect, sustain, and enhance the South Florida ecosystem's ecological and aesthetic character, function, and resilience.

https://www.evergladesrestoration.gov/fcrct



Governor DeSantis issues EO-23-06 "Achieving *Even More* Now for Florida's Environment"



Florida's Coral Reef Restoration & Recovery Initiative







The FCR3 Initiative aims to develop the infrastructure, technology, skilled workforce, and logistics necessary by 2050 to support the long-term recovery of no less than 25% of Florida's Coral Reef.

Agency Roles & Responsibilities



Lead FCR3 coordination and funding administration, place-based strategy development for site selections, detailed designs for selected sites, as well as local monitoring and oversight. Lead hybrid reef projects. Lead coral mitigation information sharing and permitting.



Lead species permitting for all coral restoration activities - continue oversight of partners holding >2,000 broodstock corals housed in land-based facilities in FL and nation. Lead genetic management of coral and reef-associated species. Co-develop and implement "propagation pipeline" and associated plans.



Provide high level oversight and vision; identify broader strategic opportunities. Lead the coupling/interrelating of in-water ecosystem restoration with tangible and observable above-water benefits to human communities and built infrastructure.

Strategically Augmenting Coral Reef Restoration Capacity, Capability, and Success

Phase I (FY23-26):

- In-State Facilities Expansion
- Strategy Development
- Science, Monitoring, and Adaptive Management Plan
- Restoration Site Selection
- Reinforce Existing Restoration Efforts
- Workforce Development

Phase II (FY27-35):

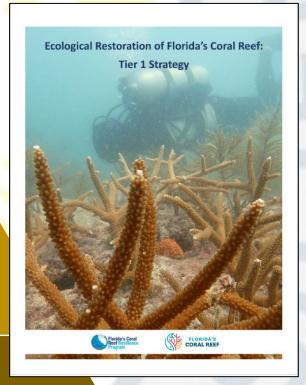
- Construction of New and Maintenance of Existing Facilities
- Refine Training Curriculum
- Maximizing Efficiency
- Workforce and Volunteer Optimization

Phase III (FY36-50):

- Sustaining Facilities and Operations
- Expansion and Monitoring
- Maximizing Peoplepower

Tier 3
Site-specific detailed plans

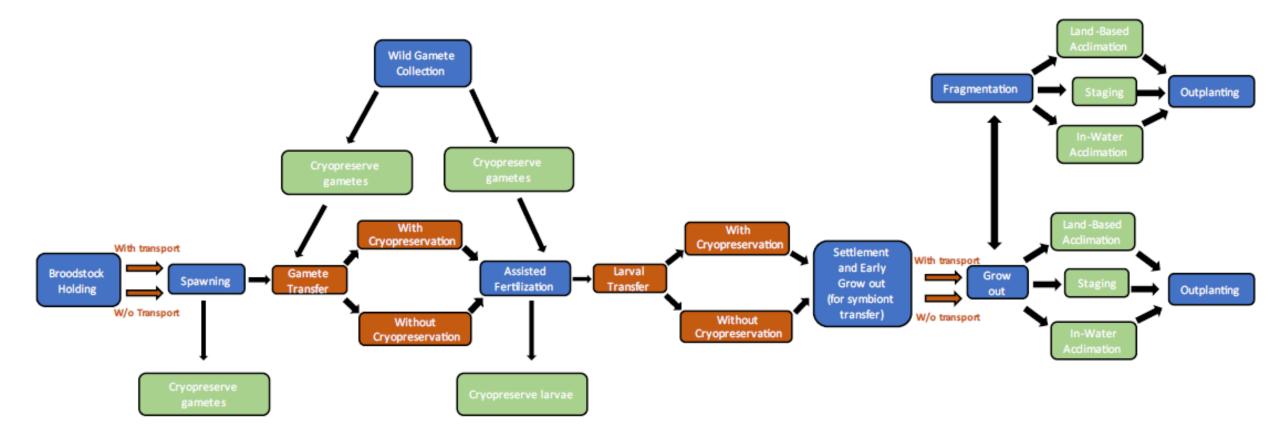
Tier 2
Management areaspecific plans



Tier 1

Large-scale ecological goals for restoring resilience of Florida's Coral Reef

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Objective: An initial expansion of in-state facilities to hold and propagate Florida's SCTLD Rescue Corals and enhance existing propagation capacity.



Proposed Metrics:

- # and size of new tanks
- Size of expanded facility area
- # of corals grown to outplant size (15 month+)

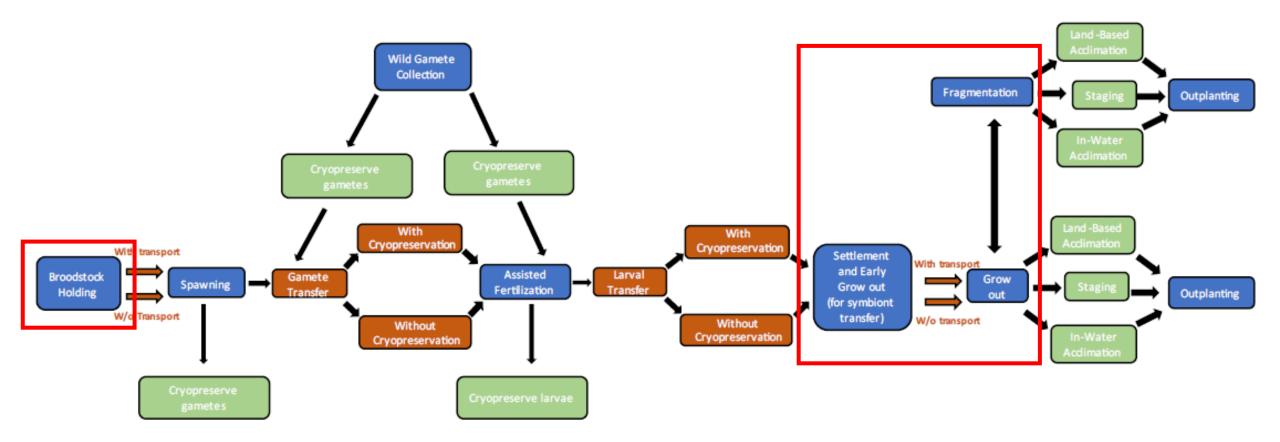


Funding: FCR3 Grants supplemented with Coral Resilience funding for efficiency research.

Strategically Augmenting Coral Reef Restoration Capacity, Capability, and Success

Propagation Activity
Option for Transport (not required)
Option for Activity

Land-Based Coral Propagation Pipeline



State Appropriations FY24-25



\$9,500,000 - FCR3 Grants (DEP)









Species list for propagation during 2024-25

High Priority	Medium Priority	Low Priority
Colpophyllia natans	MALI	ALAM
Diploria labyrinthiformis	MANG	DCYL
Montastraea cavernosa	MAUR	DSTO
Pseudodiploria strigosa	MFER	EFAS
Orbicella faveolata	MLAM	FFRA
	OANN	MMEA
	PCLI	OFRA
		SBOU

Characteristics considered for species prioritization:

- **More Resilient to Thermal Stress**
- **Major Reef Builders**
- Likelihood of Extinction without Human Intervention
- Large-Scale Propagation vs. Research Needs
- **High Growth and Survival Rates**
- **Species Diversity**
- **Interest in Propagation by Partners**

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Design, construction, and staffing/operations of new "FCR3 Success Centers" in each county



FAU HBOI
ORA (Private)
Coral Facility
4,200 sq ft - \$2.5M



FLAQ Coral Conservation Complex - \$4.5M

Strategically Augmenting Coral Reef Restoration Capacity, Capability, and Success

