Coral Reef Protection Ordinance

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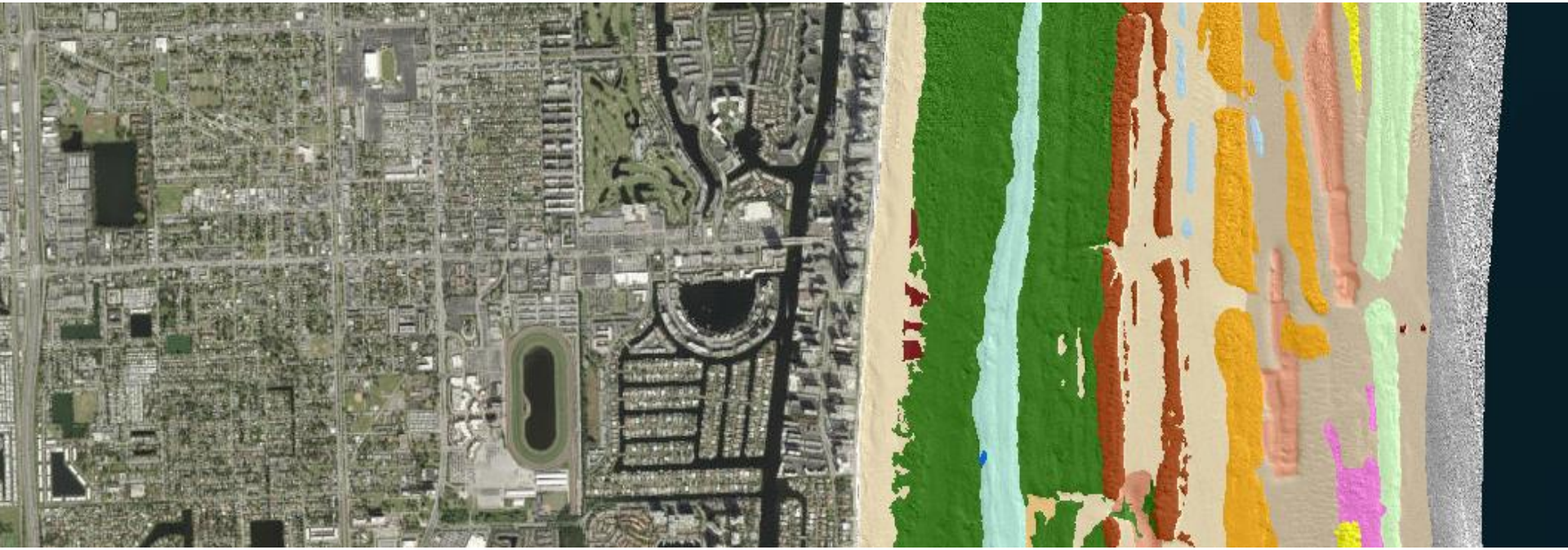
Green Initiatives Coordinator

Hallandale Beach
PROGRESS. INNOVATION. OPPORTUNITY.

Coral reefs 500 feet or less from shore



OUR FLORIDA REEFS
YOUR VOICE, OUR FUTURE

Shallow Patch Reef
Artificial Reef
*Acropora cervicornis**

*Critically Endangered

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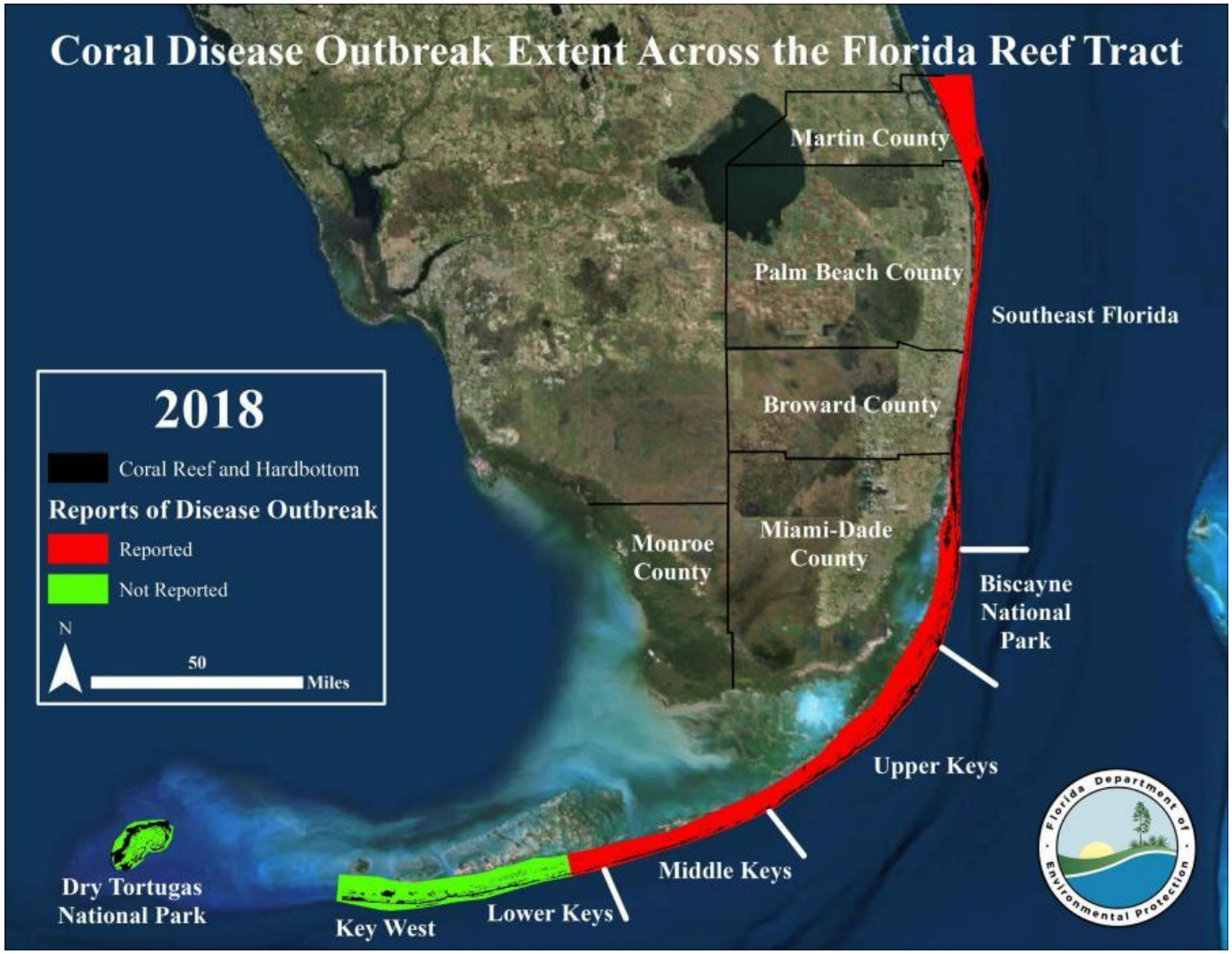
Coral Reef Disease Outbreak in Florida Reef Tract



The cause and cure of this Coral Reef Disease outbreak are unknown.

FDEP recommends reducing land-based sources of pollution as a way to reduce stress on the affected reefs.

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Why?

SOUTHEAST FLORIDA COASTAL OCEAN TASK FORCE FINAL RECOMMENDATIONS REPORT

STEVEN ABRAMS
Commissioner
Palm Beach County Board of County Commissioners
Chair

JOHN HADDOX
Commissioner
Martin County Board of County Commissioners
Vice Chair

SOUTHEAST FLORIDA REGIONAL COMPACT CLIMATE CHANGE

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RECOMMENDATIONS | MUNICIPALITIES | CASE STUDIES

NS-8 Protect coral reefs

Support coral reef protection, restoration, and sustainable-use initiatives to help Florida's sensitive reefs adapt to the changing climate and ocean acidification.

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Marine Debris

Reduce Plastic Pollution of the World Oceans

Styrofoam & Plastic Bags

Prohibits the use and distribution of expanded polystyrene food service articles and single-use carry out plastic bags on City Public beaches and beachside establishments within City-limits. Effective October 1, 2019.

Why? Scientists estimate there will be more plastic in the ocean than fish by 2050. Its nearly impossible to clean up plastic pollution 100% once it enters the ocean, thus it is a best practice is to reduce the plastic introduced to the environment first and foremost.

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Stormwater and Wastewater

Reducing land-based sources of pollution and coral reef stress

Ocean Outfall Mandate & Ocean Friendly Landscaping

Bans the use of fertilizer during wet season and expected periods of heavy rainfall or extreme weather as well as the discharge of boat holding tanks within City limits. Creates an “Ocean Friendly Landscaping” program which incentivizes rain gardens and green infrastructure. Effective October 1, 2019.

Why? We can improve water quality easily and still have beautiful landscaping. Also, land-based sources of pollution increases stress in corals which reduces their ability to fight off disease or other antagonists. Converting some sod landscaping with green infrastructure makes Hallandale Beach greener and more resilient.

Existing Fertilizer Ordinance

Florida Friendly Fertilizer Use Act

- Establishes Fertilizer Free Zones near water bodies defined by FDEP
- Restricts application of fertilizer: on saturated soil, during NWS advisories for flood warning/watch, tropical storm warning/watch, hurricane warning/watch, or 3-day cone of uncertainty, 30-days after seeding or sodding
- Establishes fertilizer content and application rates
- Restricts the application of fertilizer on impervious surfaces
- Mandates proper management of vegetative matter and grass clippings

Proposed Ordinance

- Bans the application of fertilizer during the NWS Wet Season (May 15-October 15)
- Expands fertilizer application weather restrictions to include times when NWS releases advisories for severe thunderstorm warning/watch and when more than 2 inches of rain in 24 hours is forecasted
- Fertilizer restrictions based on Ordinances in Sarasota and Manatee Counties
- Ocean Friendly Landscaping program modeled after a Stuart program

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Fiscal Impact

All funding is included in Utilities FY 19/20 Budget Request

What	Amount Requested	Purpose
Marine Debris	$1,120	Beach Signage
Stormwater and Wastewater	$5,300	Rebate and Yard Signage
TOTAL	$6,420	Stewardship of Coral Reefs in Hallandale Beach

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Coral Reefs provide coastal protection, medicine, aesthetics, food, and economic benefits to humans. In Southeast Florida, NOAA estimates coral reefs have an economic asset value of $8.5 billion.

Questions?

Thank You

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