USING GEOSPATIAL INFORMATION TO SUPPORT RESOURCE MANAGEMENT

















THE FLORIDA KEYS ARE THE

SPORTFISHING CAPITAL OF THE COUNTRY





Angler's Journal

Main Attraction

THE FLORIDA KEYS HAVE WORLD FAMOUS

SCUBA-DIVING AND YACHTING



Amoray Dive Resort



HABITAT FOR FISH AND INVERTEBRATES





DUE TO A VARIETY OF THREATS







STONY CORAL TISSUE LOSS DISEASE



Diploria labyrinthiformis



Pseudodiploria strigosa



Dichocoenia stokesii



Meandrina meandrites



Eusmilia fastigiata

WHAT IS STONY CORAL TISSUE LOSS DISEASE

AND WHY IS IT UNIQUE?



Number of species affected



Rapid progression



High rates of mortality

Coral Disease Outbreak Extent Across the Florida Reef Tract Martin County Palm Beach County Southeast Florida 2014 **Broward County** Coral Reef and Hardbottom Reports of Disease Outbreak Miami-Dade Monroe Reported County County Biscayne Not Reported National Park 50 Miles Upper Keys Middle Keys **Dry Tortugas** Lower Keys National Park **Key West**

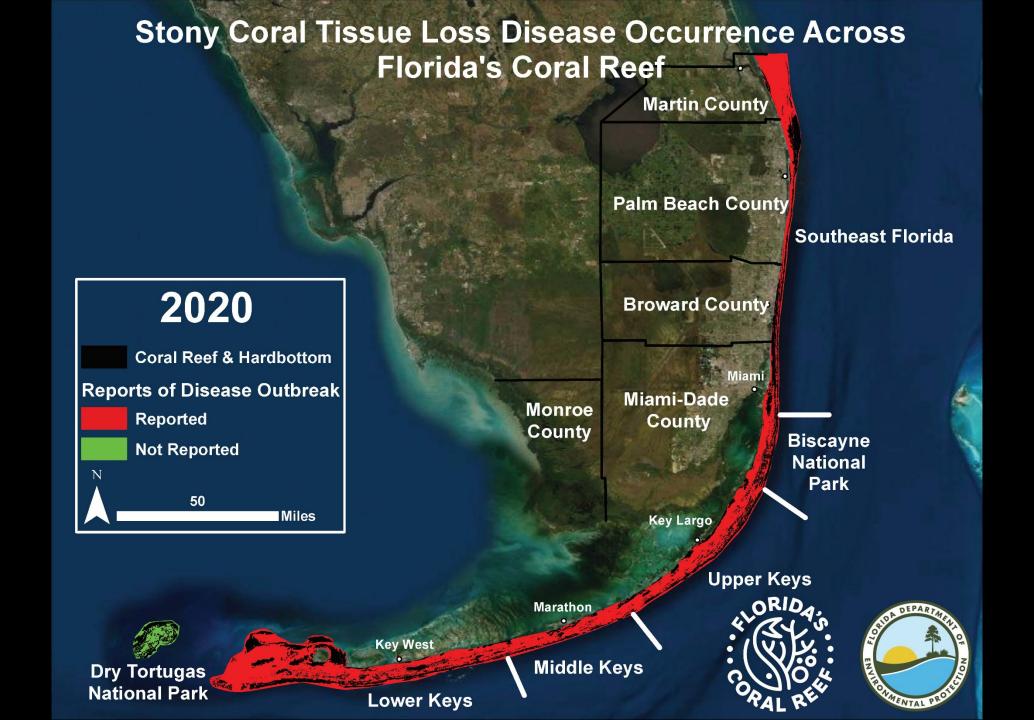
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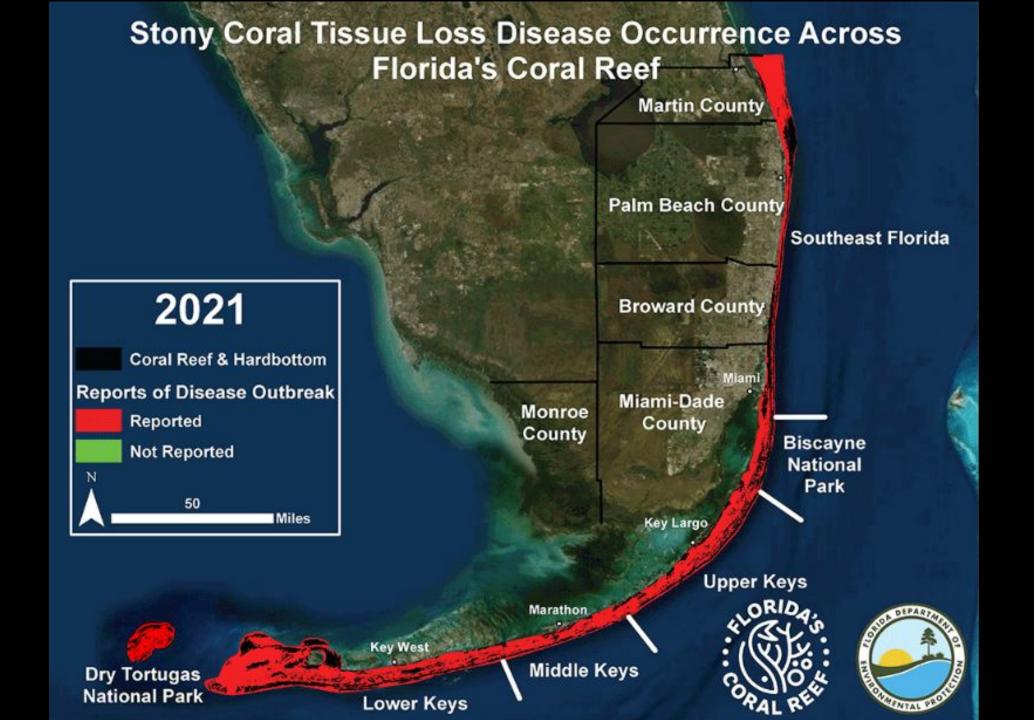
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Stony Coral Tissue Loss Disease (SCTLD) Outbreak in the Caribbean

Last Updated: August 31st, 2021



FLORIDA KEYS









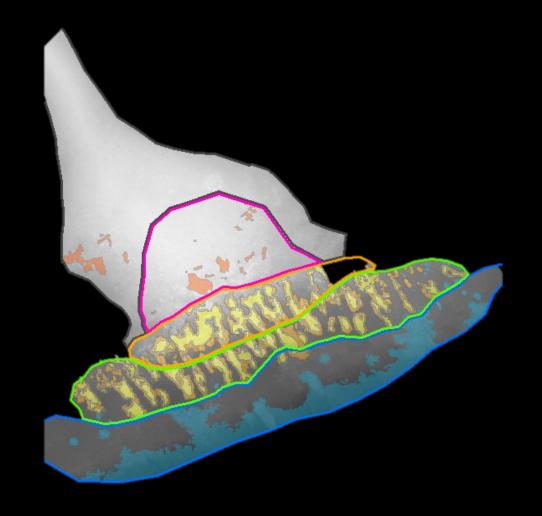
RESTORING SEVEN ICONIC REEFS:
A MISSION TO RECOVER THE
CORAL REEFS OF THE FLORIDA KEYS

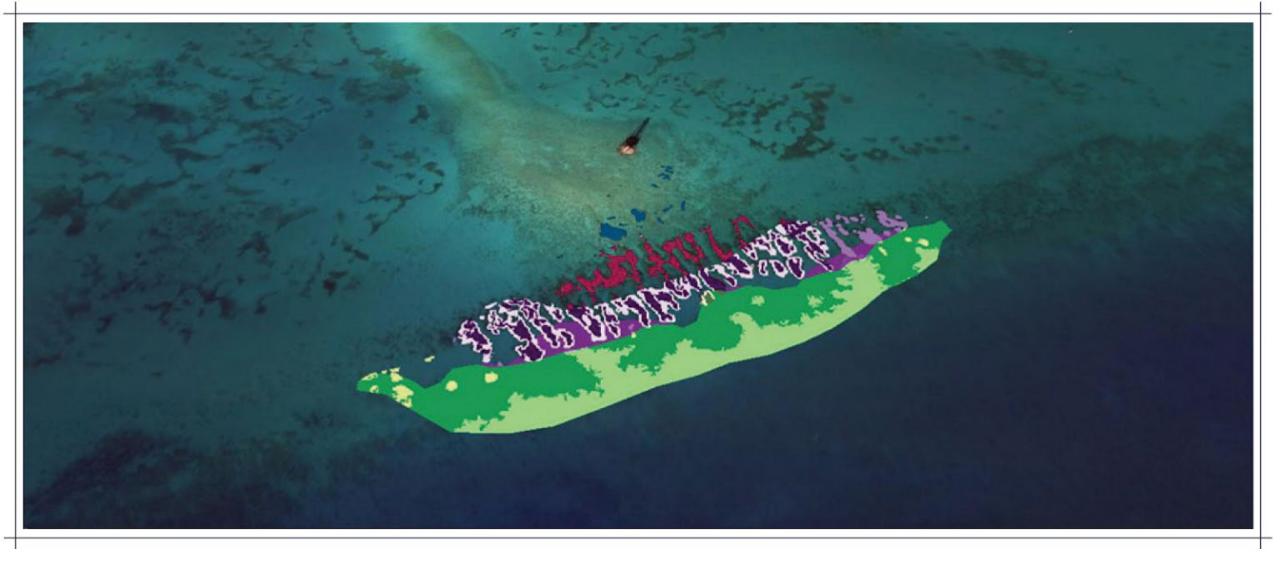


SUMMARY	
CARYSFORT REEF	NEWFOUND HARBOR
HORSESHOE REEF	LOOE KEY REEF
CHEECA ROCKS	EASTERN DRY ROCKS
SOMBRERO REEF	

STRATEGY TO REVERSE COURSE





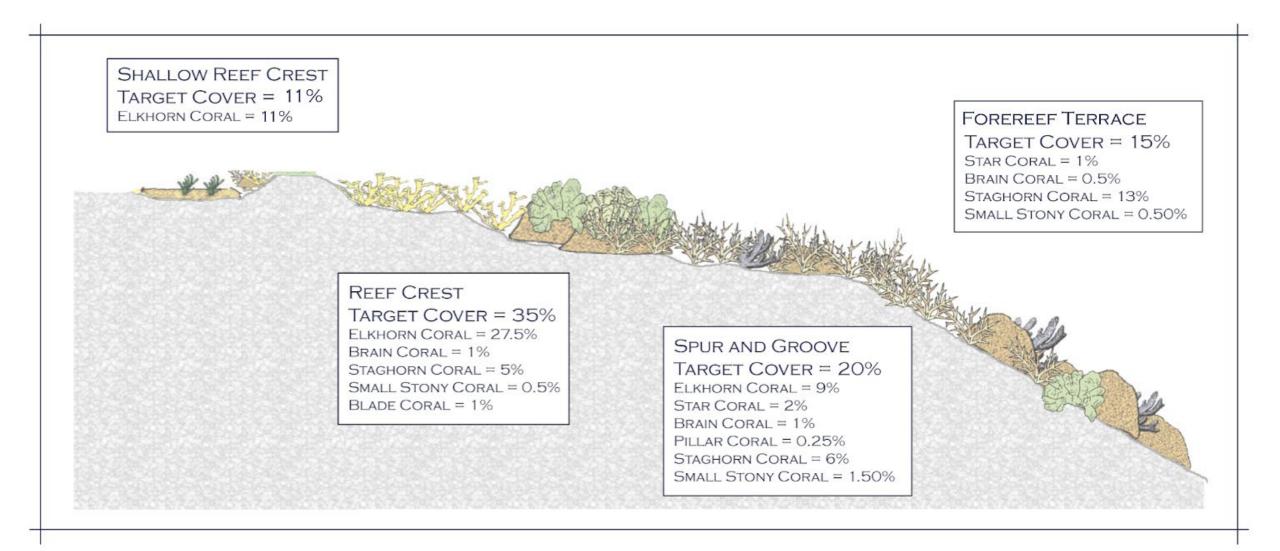


Sombrero Reef - Zone Mapping

RESTORING SEVEN ICONIC REEFS: A MISSION TO RECOVER THE CORAL REEFS OF THE FLORIDA KEYS



SHALLOW REEF CREST	230 sq м
REEF CREST (PALMATA ZONE)	2,536 sq м
SPUR AND GROOVE TOP	4,586 sq м
SPUR AND GROOVE SIDES	2,680 sq м
FOREREEF TERRACE	2,765 sq м

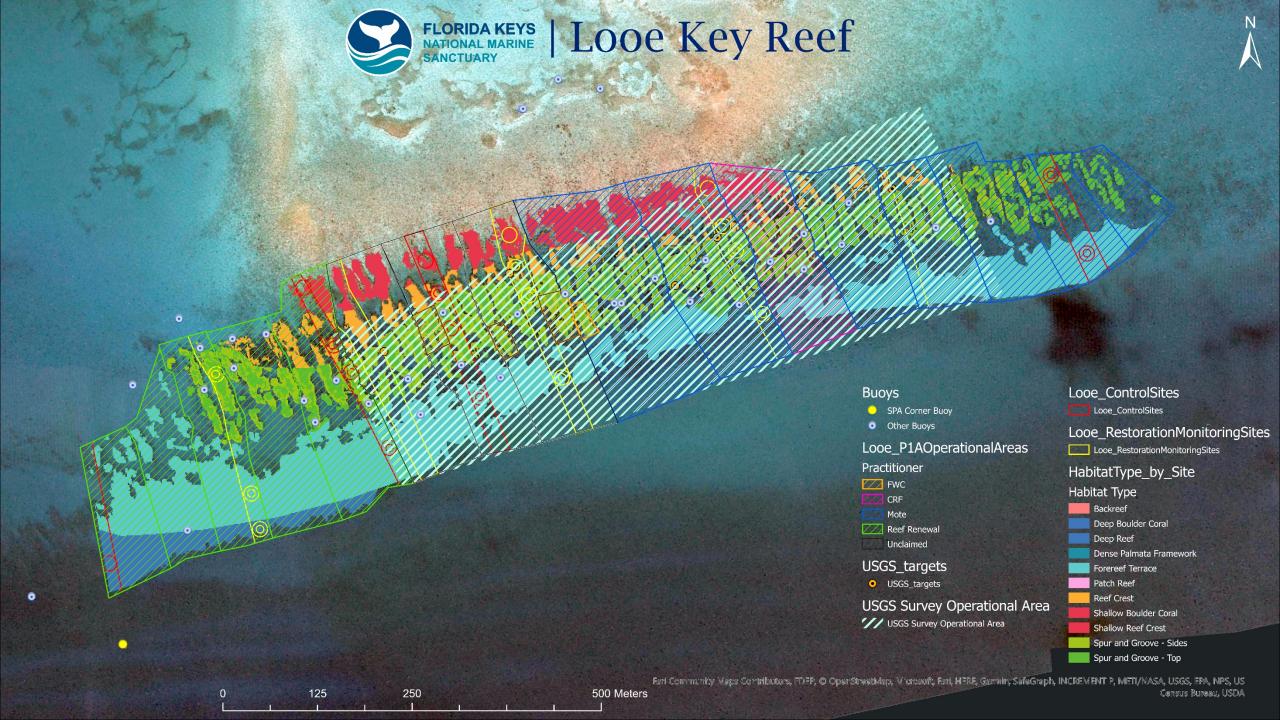


Reef Cross-Section	by Zone and	Target
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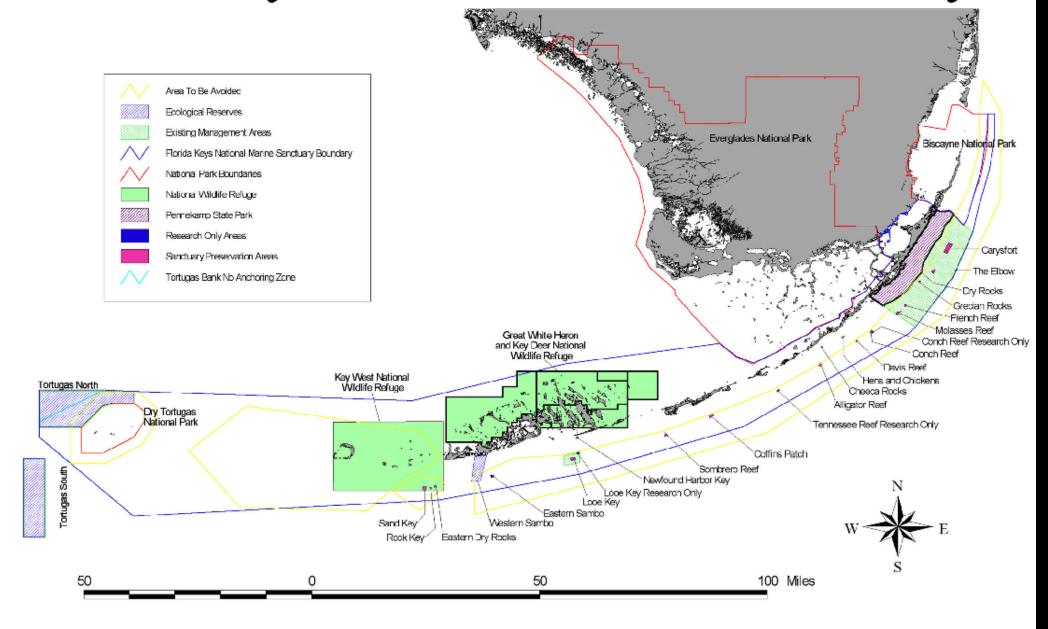
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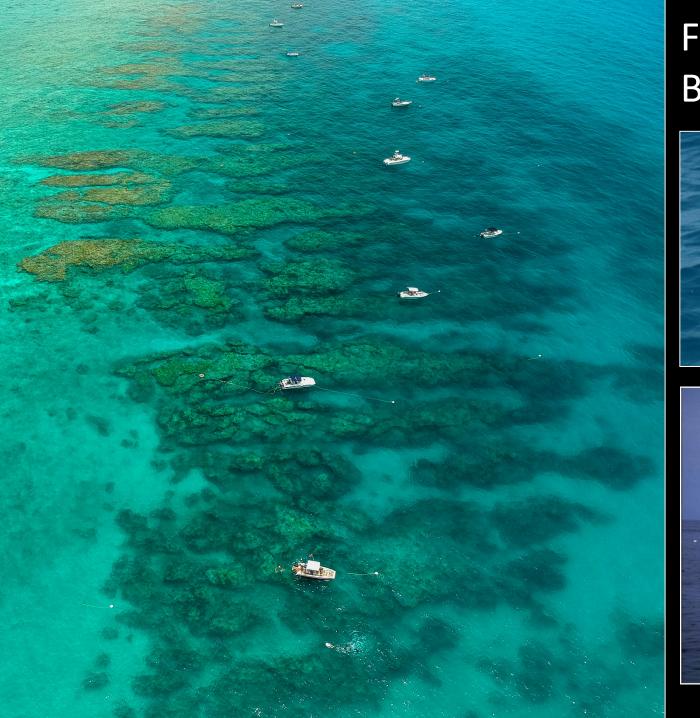


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Florida Keys National Marine Sanctuary





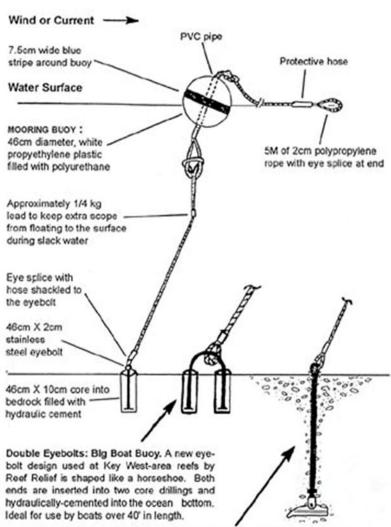
FLORIDA KEYS MOORING BUOY PROGRAM







Reef Mooring Buoy Designs In Use In The Florida Keys



Manta Rays: A third type of mooring suitable for areas of rubble bottom includes a long galvanized rod attached to an anchor-type device that is jack-hammered into the bottom, leaving the eyebolt exposed above the surface.



