

Restoration in southern Belize

Seeing is Belizeing











ADAPTATION FUND











Our strategy to date:

- Mapping extant acroporids (during hottest months)
- SHALLOW SITES!
- Host & symbiont genetics
- Outplanting multiple genets in proximity
- Documenting spawning
- Long term monitoring growth, survival, thermal tolerance, % coral cover change



Challenges: How to measure % live acroporid cover increased? Surviorship? Mosaics.. 4 frags/m²



October 2011

May 2016

Laughing Bird Caye National Park fragmentsofhope.org

Day of out-plant Feb 2010 2 harvested Ropes with nails 36 acer reps 4 apro reps



Feb 2012



May 2016







October 2017

June 2019

Preliminary mosaic results



Challenge: Quantifying total coverage



Valuing Coastal Processes & Reef Loss



Challenges: How to measure associated



ARMS=Autonomous Reef Monitoring Structures units (Knowlton, Nancy)



Comparing biodiversity in replenished vs. un-replenished sites, inside and outside MPA





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