

ADDRESSING THE IMPACT OF SCTLD ON LIGHTHOUSE REEF ATOLL, BELIZE

-Dominique Lizama, Belize Audubon Society







CORE INTERVENTIONS



CORAL MONITORING & TREATMENT

Monitor susceptible species

Benthic assessments

Treat SCTLD afficited corals

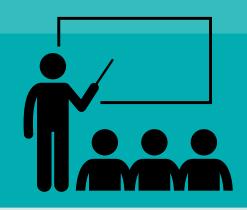
Monitor effectiveness of treatment



ENVIRONMENTAL EDUCATION & AWARENESS

SCTLD educational materials

Community outreach to users of LHRA (fishers, tourism operators, students)



CAPACITY BUILDING

Training for staff on SCTLD ID and treatment

Exposure trips for studnets

Open water dive certification for staff and students



DATA SHARING

Data shared with national and regional networks

Reef Monitoring

4017

coral colonies assessed at 12 sites in LHRA over 6 months

- 73% appeared healthy
- 16% had SCTLD lesions
- 11% had 100% mortality attributed to SCTLD

Highly susceptible species with greatest disease prevalence were:

Maze coral-*M. meandrites*/MMEA

Smooth flower coral-*E. fastigiata*/EFAS

Pillar coral-*D. cylindrus*/DCYL





Benthic assessment

22%

live coral cover at LHRA from 16 sites



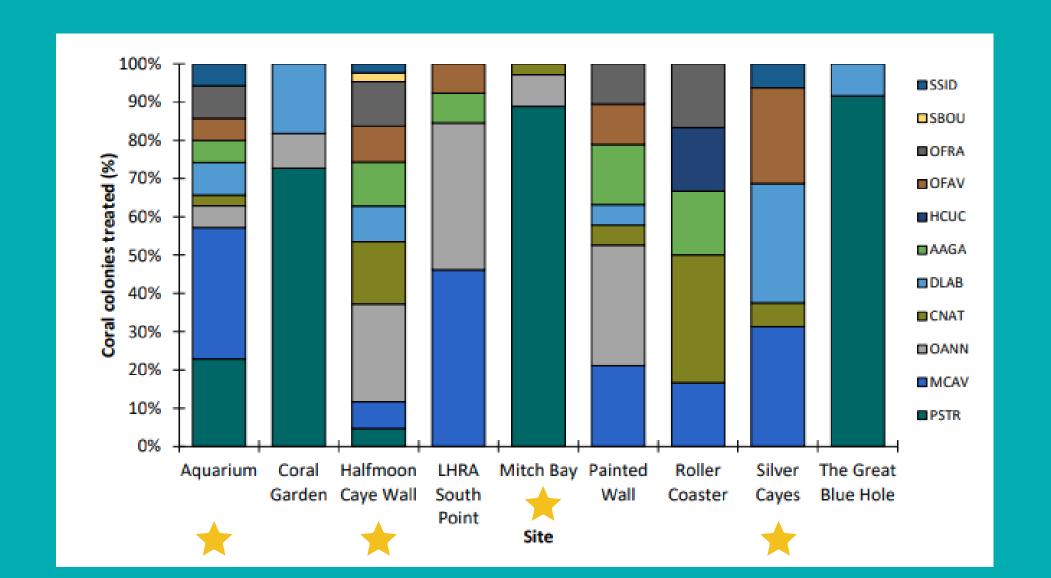


SCTLD Treatment

9 sites monitored and 191 SCTLD afflicted coral colonies treated

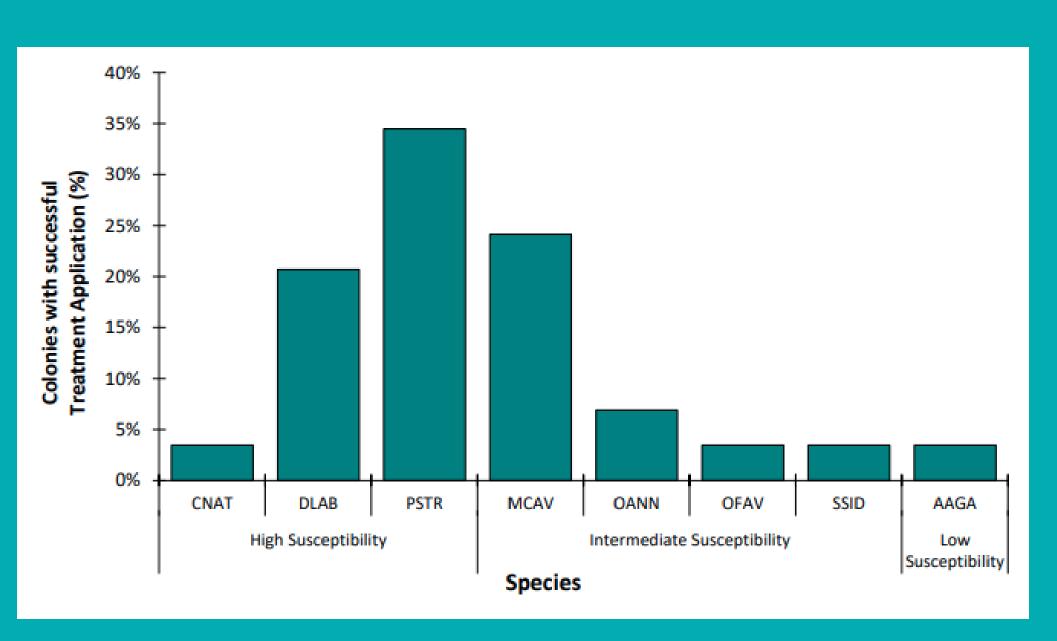
Sites selected-tourism, fishing and greater coral cover

Most abundant coral species treated: *P. strigosa and M. cavernosa*



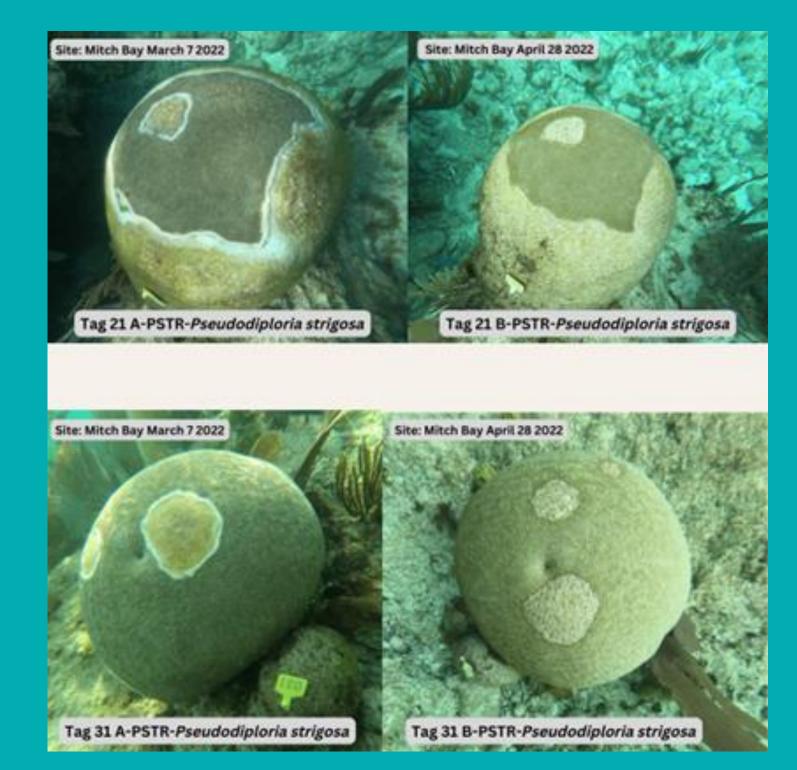


Treatment Effectiveness



29 colonies were documented to have had successful treatment after 2 visits, the remaining 47 were randomly treated and 22 had 3 applications

No. of treatments varied from 1 to 3 applications





SCTLD AWARENESS

900

copies of posters, flyers and booklets printed and distributed to students, parents, tourism stakeholders, conservation partners

FOSTERING RESPONSIBLE STEWARDS



496

people engaged
(fishers, students and
tourism stakeholders)
during community
outreach activities

CAPACITY BUILDING





20





people received training and their knowledge enhanced in marine conservation

CONTACTUS



EMAIL

Dominique Lizama:

conservation@belizeaudubon.or

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Gabriela Ugarte:

rmomarine@belizeaudubon.org



FACEBOOK

@BelizeAudubonSociety



INSTAGRAM

@BelizeAudubon



WEBSITE

www.belizeaudubon.org

