

Stony coral tissue loss disease (SCTLD): Collaborative monitoring efforts in the Caribbean

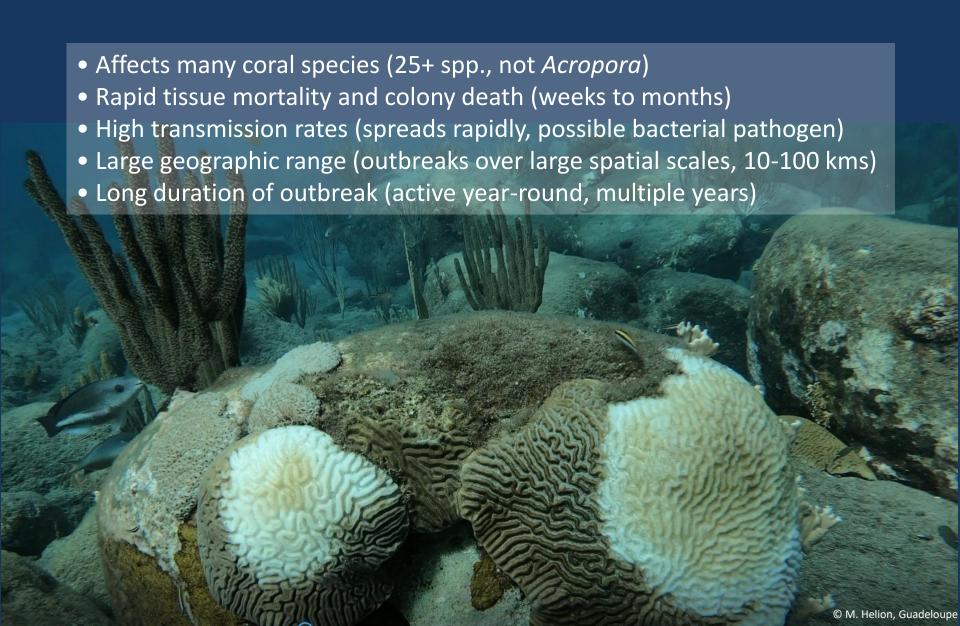


AGRRA- Atlantic & Gulf Rapid Reef Assessment Program
Presentation to NOAA in the Caribbean Community Webinar
September 23, 2020





What is SCTLD?



Where is SCTLD Occurring? https://www.agrra.org/coral-disease-outbreak/

2018 Florida Mexico Sint Maarten Jamaica © B. Charpentier, Jamaica © M. Meijer zu Schlochtern, Sint Martir

Where is SCTLD Occurring? https://www.agrra.org/coral-disease-outbreak/

Bahamas 2019 Florida Turks and Caicos **Puerto** Mexico Rico Dominican Sint Maarten Sint Eustatius Republic Jamaica **US Virgin** Belize Islands © C. Harder, DR © M. Pistor, Sint Eustatius © E. Hernandez, PR © G. Halpern, Bahamas © J. Townsend, USVI © A. Zimmermann, TCI © H. Brown, Belize

Where is SCTLD Occurring?

https://www.agrra.org/coral-disease-outbreak/



Which reefs are at risk?

SCTLD Susceptibility Map

Based on AGRRA data, where available Percent cover of corals most susceptible to SCTLD Helps locate areas at risk to SCTLD to survey or areas to prioritize intervention



How do I share data?



CORAL DISEASE OUTBREAK

Caribbean Coral Health Watch



Coral Health Survey
Submit

Presence of SCTLD

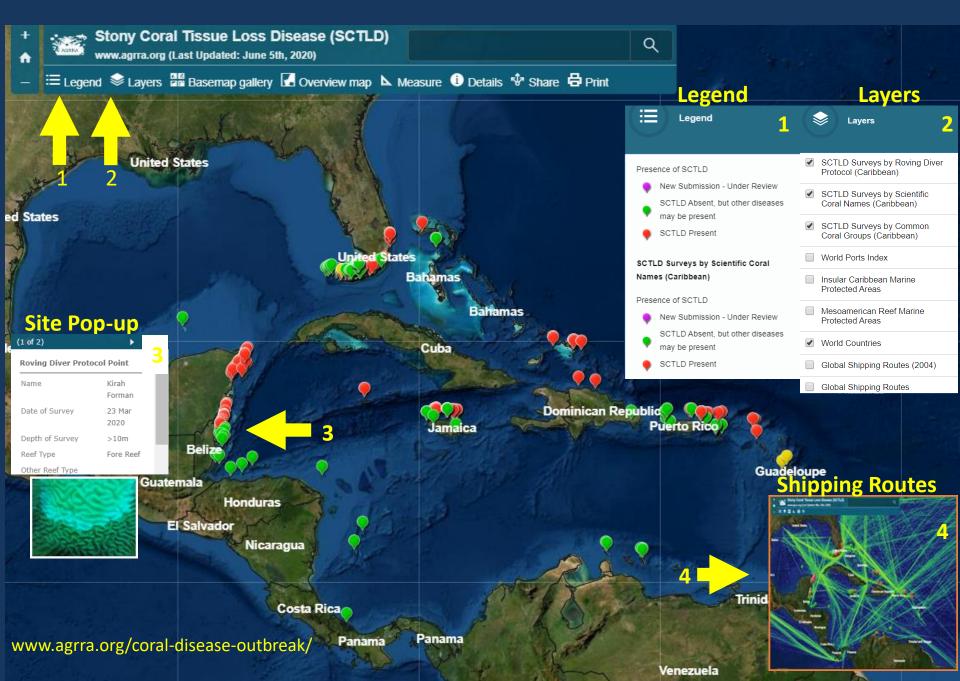
- New Submission Under Review
 - SCTLD Absent, but other diseases
- may be present
- SCTLD May be Present
- SCTLD Present

Submit reports

- Submit reports and photos on diseased or bleached corals.
- Experts work with you to review and confirm presence or absence.
- Your report is displayed on the Caribbean SCTLD/Bleach Map.
- 4. Your report helps guide response and management actions.
- 5. What's New?
 - One easy to fill out survey form
 - Combined Disease & Bleach reports

www.agrra.org/coral-disease-outbreak

How is SCTLD tracked in the Caribbean?



How do we make this data useful for managers? Caribbean Dashboard of SCTLD

Stony Coral Tissue Loss Disease (SCTLD) Outbreak in the Caribbean www.agrra.org/coral-disease-outbreak Last Updated: September 21st, 2020 # of Countries/Territories # of Countries/Territories with SCTLD Present with SCTLD Treatments # of Countries/Territories # of Countries/Territories **18** Monitoring for SCTLD with Education Outreach **SCTLD Outbreaks: Dates & Locations** Earthstar Geographics Date Map ID SCTLD Presence SCTLD Response 2014 Nov 18 Florida Feb 6 Jamaica В July 3 Mexico C Nov 22 Sint Maarten D U.S. Virgin Islands Е 10 Dominican Republic Turks and Caicos March June 2' Sint Eustatius Aug 13 Dec 23 Puerto Rico The Bahamas May 17 British Virgin Islands June 29 Cayman Islands Coral species affected by SCTLD June 9 Guadeloupe **Coral Codes** Species Affected Aug 9



What else should we be monitoring?

AGRRA's Caribbean Reef Health Storymap



Useful SCTLD portals and weblinks

Atlantic and Gulf Rapid Reef Assessment (AGRRA): www.agrra.org/coral-disease-outbreak/

Gulf and Caribbean Fisheries Institute Website: https://www.gcfi.org/emerging-issues-florida-coral-diseaseoutbreak/

U.S. Virgin Islands Coral Disease Advisory Committee: https://www.vicoraldisease.org/

Puerto Rico: Department of Natural Resources: http://www.drna.pr.gov/programas-y-proyectos/coralpr/

Florida:

Florida Keys National Marine Sanctuary SCTLD Portal: https://floridakeys.noaa.gov/coral-disease/

Florida Department of Environmental Protection Stony Coral Tissue Loss (SCTLD) Response: https://floridadep.gov/rcp/coral/content/stony-coral-tissue-loss-disease-response

Reef Resilience Network: www.reefresilience.org

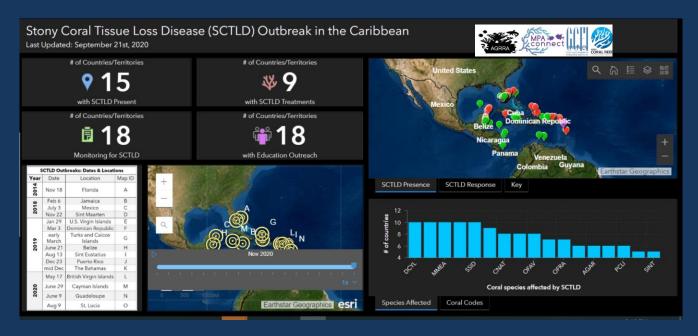


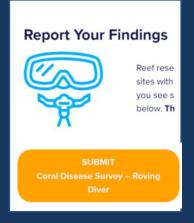


CORAL DISEASE OUTBREAK

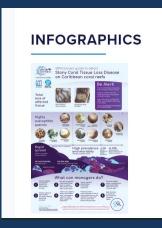


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Thank you to all our AGRRA & SCTLD colleagues who have kindly shared their data & to my AGRRA co-workers Judy Lang & Lynnette Roth

