

Proposed Rule to Reclassify Pillar Coral (*Dendrogyra cylindrus*)

References

- Aeby, G. S., B. Ushijima, J. E. Campbell, S. Jones, G. J. Williams, J. L. Meyer, C. Häse, and V. J. Paul. 2019. Pathogenesis of a Tissue Loss Disease Affecting Multiple Species of Corals Along the Florida Reef Tract. *Frontiers in Marine Science* 6:678. doi: 10.3389/fmars.2019.00678.
- Alvarez-Filip, L., N. Estrada-Saldivar, E. Perez-Cervantes, A. Molina-Hernandez, and F. J. Gonzalez-Barrios. 2019. A rapid spread of the stony coral tissue loss disease outbreak in the Mexican Caribbean. *PeerJ* 7:e8069. doi: 10.7717/peerj.8069.
- Bernal-Sotelo, K., A. Acosta, and J. Cortés. 2019. Decadal Change in the Population of *Dendrogyra cylindrus* (Scleractinia: Meandrinidae) in Old Providence and St. Catalina Islands, Colombian Caribbean. *Frontiers in Marine Science* 5:513. doi: 10.3389/fmars.2018.00513.
- Brandt, M. E., R. S. Ennis, S. S. Meiling, J. Townsend, K. Cobleigh, A. Glahn, J. Quetel, V. Brandtneris, L. M. Henderson, and T. B. Smith. 2021. The Emergence and Initial Impact of Stony Coral Tissue Loss Disease (SCTLD) in the United States Virgin Islands. *Frontiers in Marine Science* 8:715329. doi: 10.3389/fmars.2021.715329.
- Cavada-Blanco, F., J. Cappelletto, E. Agudo-Adriani, S. Martinez, J. P. Rodriguez, and A. Croquer. 2020. Status of the pillar coral *Dendrogyra cylindrus* in Los Roques National Park, Southern Caribbean. bioRxiv preprint doi: <https://doi.org/10.1101/2020.09.15.297770>.

- Chan, A. N., C. L. Lewis, K. L. Neely, and I. B. Baums. 2019. Fallen Pillars: The Past, Present, and Future Population Dynamics of a Rare, Specialist Coral–Algal Symbiosis. *Frontiers in Marine Science* 6:218. doi: 10.3389/fmars.2019.00218.
- Costa, S. V., S. J. Hibberts, D. A. Olive, K. A. Budd, A. E. Long, S. S. Meiling, M. B. Miller, K. M. Vaughn, C. I. Carrión, M. B. Cohen, A. E. Savage, M. F. Souza, L. Buckley, K. W. Grimes, R. Platenberg, T. B. Smith, J. Blondeau, and M. E. Brandt. 2021. Diversity and Disease: The Effects of Coral Diversity on Prevalence and Impacts of Stony Coral Tissue Loss Disease in Saint Thomas, U.S. Virgin Islands. *Frontiers in Marine Science* 8:682688. doi: 10.3389/fmars.2021.682688.
- Dahlgren, C., V. Pizarro, K. Sherman, W. Greene, and J. Oliver. 2021. Spatial and Temporal Patterns of Stony Coral Tissue Loss Disease Outbreaks in The Bahamas. *Frontiers in Marine Science* 8:682114. doi: 10.3389/fmars.2021.682114.
- Estrada-Saldívar, N., B. A. Quiroga-García, E. Pérez-Cervantes, O. O. Rivera-Garibay, and L. Alvarez-Filip. 2021. Effects of the Stony Coral Tissue Loss Disease Outbreak on Coral Communities and the Benthic Composition of Cozumel Reefs. *Frontiers in Marine Science* 8:632777. doi: 10.3389/fmars.2021.632777.
- Florida Coral Disease Response Research & Epidemiology Team. 2018. Case Definition: Stony Coral Tissue Loss Disease (SCTLD).
https://floridadep.gov/sites/default/files/Copy%20of%20StonyCoralTissueLossDisease_CaseDefinition%20final%2010022018.pdf.
- Kabay, L. 2016. Population Demographics and Sexual Reproduction Potential of the Pillar Coral, *Dendrogyra cylindrus*, on the Florida Reef Tract. Masters. Nova Southeastern University, Ft. Lauderdale, FL.

- Lewis, C. F. 2018. Florida's Pillar Coral (*Dendrogyra cylindrus*): The Roles of the Holobiont Partners in Bleaching, Recovery, and Disease Processes. Ph.D. dissertation. Florida International University, FIU Electronic Theses and Dissertations. 3952.
https://digitalcommons.fiu.edu/etd/3952?utm_source=digitalcommons.fiu.edu%2Fetd%2F3952&utm_medium=PDF&utm_campaign=PDFCoverPages.
- Lewis, C. L., K. L. Neely, L. L. Richardson, and M. Rodriguez-Lanetty. 2017. Temporal dynamics of black band disease affecting pillar coral (*Dendrogyra cylindrus*) following two consecutive hyperthermal events on the Florida Reef Tract. *Coral Reefs* 36(2):427-431.
- Marhaver, K. L., M. J. A. Vermeij, and M. M. Medina. 2015. Reproductive natural history and successful juvenile propagation of the threatened Caribbean Pillar Coral *Dendrogyra cylindrus*. *BMC Ecology* 15:9. doi: DOI 10.1186/s12898-015-0039-7.
- Miller, C. V., L. A. May, Z. J. Moffitt, and C. M. Woodley. 2020. Exploratory treatments for stony coral tissue loss disease: pillar coral (*Dendrogyra cylindrus*), NOAA Technical Memorandum NOS NCCOS 245 and CRCP 37. Charleston, SC.
- Neely, K. 2018. Surveying the Florida Keys Southern Coral Disease Boundary. Florida DEP, Miami, FL.
- Neely, K. L. 2019. Quick Look Report: *Dendrogyra cylindrus* spawning– August 2019. Nova Southeastern University.
- Neely, K. L., C. Lewis, A. N. Chan, and I. B. Baums. 2018. Hermaphroditic spawning by the gonochoric pillar coral *Dendrogyra cylindrus*. *Coral Reefs* 37(4):1087-1092.

- Neely, K. L., C. L. Lewis, K. S. Lunz, and L. Kabay. 2021a. Rapid Population Decline of the Pillar Coral *Dendrogyra cylindrus* Along the Florida Reef Tract. *Frontiers in Marine Science* 8:434. doi: 10.3389/fmars.2021.656515.
- Neely, K. L., C. L. Lewis, and K. A. Macaulay. 2020a. Disparities in Spawning Times Between in situ and ex situ Pillar Corals. *Frontiers in Marine Science* 7:643. doi: 10.3389/fmars.2020.00643.
- Neely, K. L., C. L. Lewis, K. O'Neil, C. M. Woodley, J. Moore, Z. Ransom, A. Moura, K. Nedimyer, and D. Vaughan. 2021b. Saving the Last Unicorns: The Genetic Rescue of Florida's Pillar Corals. *Frontiers in Marine Science* 8:657429. doi: 10.3389/fmars.2021.657429.
- Neely, K. L., K. A. Macaulay, E. K. Hower, and M. A. Dobler. 2020b. Effectiveness of topical antibiotics in treating corals affected by Stony Coral Tissue Loss Disease. *PeerJ* 8:e9289. doi: 10.7717/peerj.9289.
- Neely, K. L., C. P. Shea, K. A. Macaulay, E. K. Hower, and M. A. Dobler. 2021c. Short- and Long-Term Effectiveness of Coral Disease Treatments. *Frontiers in Marine Science* 8:675349. doi: 10.3389/fmars.2021.675349.
- O'Neil, K., K. Neely, and J. Patterson. 2018. Nursery management and treatment of disease-ravaged pillar coral (*Dendrogyra cylindrus*) on the Florida Reef Tract. Florida DEP, Miami, FL.
- O'Neil, K. L., R. M. Serafin, J. T. Patterson, and J. R. K. Craggs. 2021. Repeated ex situ Spawning in Two Highly Disease Susceptible Corals in the Family Meandrinidae. *Frontiers in Marine Science* 8:669976. doi: 10.3389/fmars.2021.669976.

- Precht, W. F., B. E. Gintert, M. L. Robbart, R. Fura, and R. van Woessik. 2016. Unprecedented Disease-Related Coral Mortality in Southeastern Florida. *Scientific Reports* 6:31374. doi: 10.1038/srep31374.
- Shilling, E. N., I. R. Combs, and J. D. Voss. 2021. Assessing the effectiveness of two intervention methods for stony coral tissue loss disease on *Montastraea cavernosa*. *Scientific Reports* 11:8566. doi: 10.1038/s41598-021-86926-4.
- Studivan, M. S., A. M. Rossin, E. Rubin, N. Soderberg, D. M. Holstein, and I. C. Enochs. 2022. Reef Sediments Can Act As a Stony Coral Tissue Loss Disease Vector. *Frontiers in Marine Science* 8:815698. doi: 10.3389/fmars.2021.815698.
- Villalpando, M. F., A. Croquer, and R. I. Sellares-Blasco. 2021. First report of in situ survival of laboratory-reared offspring of the threatened species *Dendrogyra cylindrus* in the Caribbean. *Bulletin of Marine Science* 97(1):237–238.
- Walker, B. K., N. R. Turner, H. K. G. Noren, S. F. Buckley, and K. A. Pitts. 2021. Optimizing Stony Coral Tissue Loss Disease (SCTLD) Intervention Treatments on *Montastraea cavernosa* in an Endemic Zone. *Frontiers in Marine Science* 8:666224. doi: 10.3389/fmars.2021.666224.