



Update Regarding an Ongoing Unusual Coral Mortality Event in Flower Garden Banks National Marine Sanctuary

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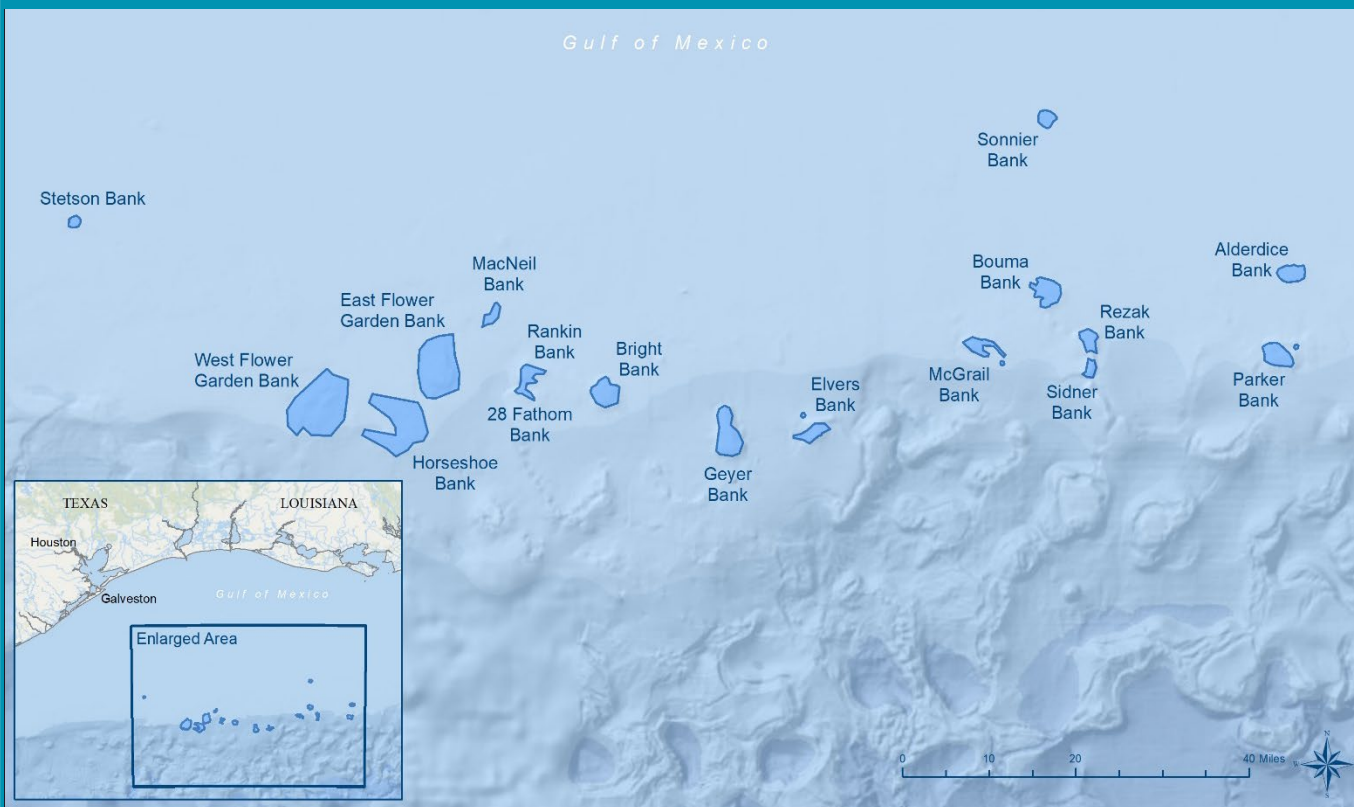
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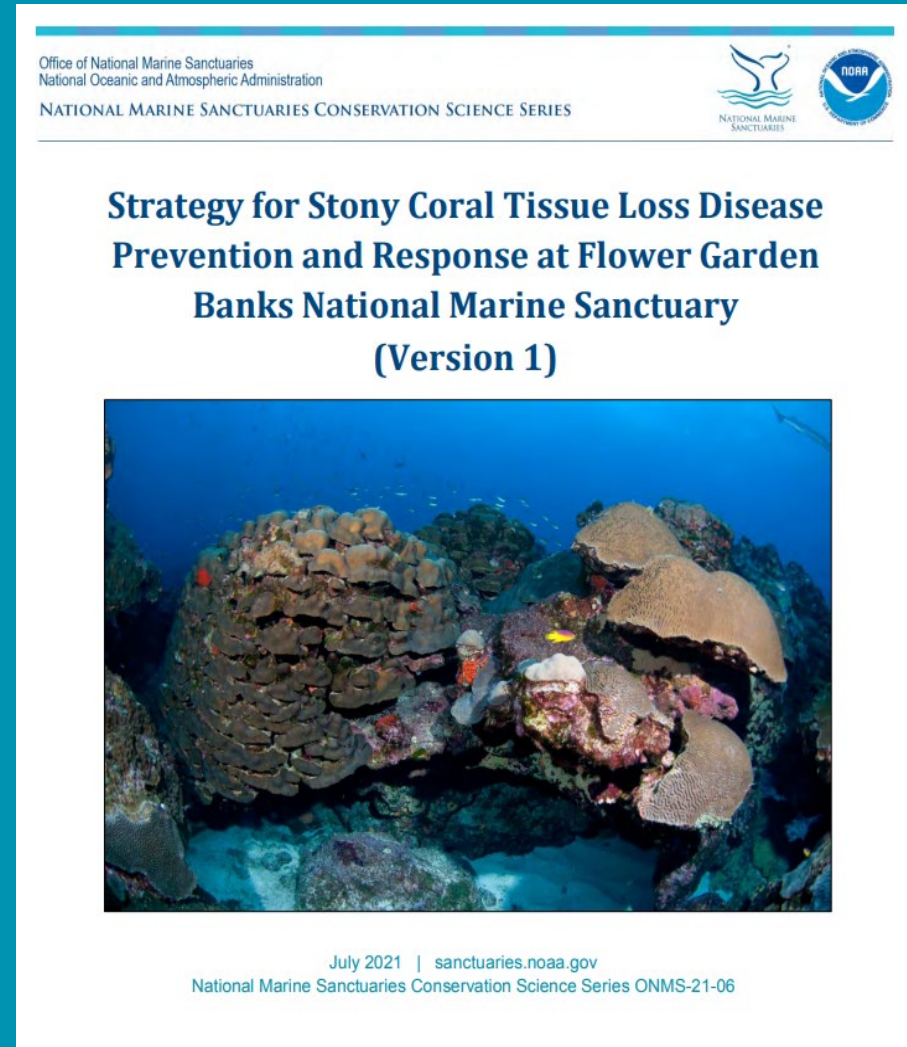
SCTLD-like Observations at FGBNMS

- SCTLD-like observations on joint FGBNMS NCRMP cruise at both EFGB and WFGB during the week of Aug. 30-Sept. 2, 2022



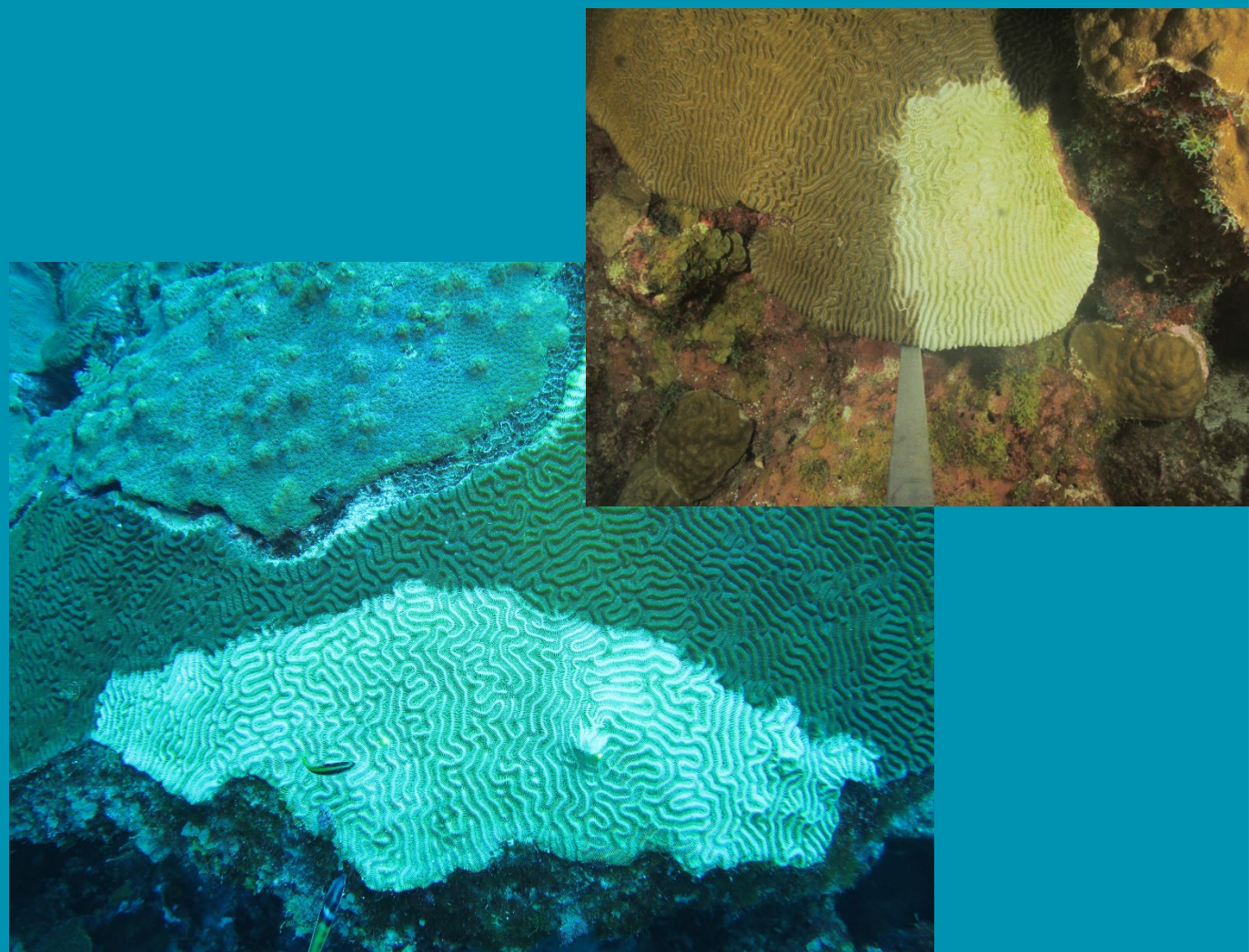
SCTLD Preparedness Plan Activated

- In 2021, FGBNMS created a SCTLD preparedness plan
- After observations, this plan was activated with key partners from Moody Gardens, FAU, UNCW, UM, NOAA AOML, Rice U, and NMSF
- Within 3 days of observations, a FGBNMS response cruise was planned and mobilized with partners from FAU and the NOAA Dive Center



Response Cruises

- September 6–9, September 20–21, and October 4–7, 2022
- Samples collected, including mucus samples for probiotic screening, RNA extraction, histology, TEM, 'omics
- Coral colonies were treated within EFGB and WFGB long-term monitoring sites
- Scooter surveys completed
- Benthic photo surveys conducted for time-series monitoring
- Photomosaics



Lesions



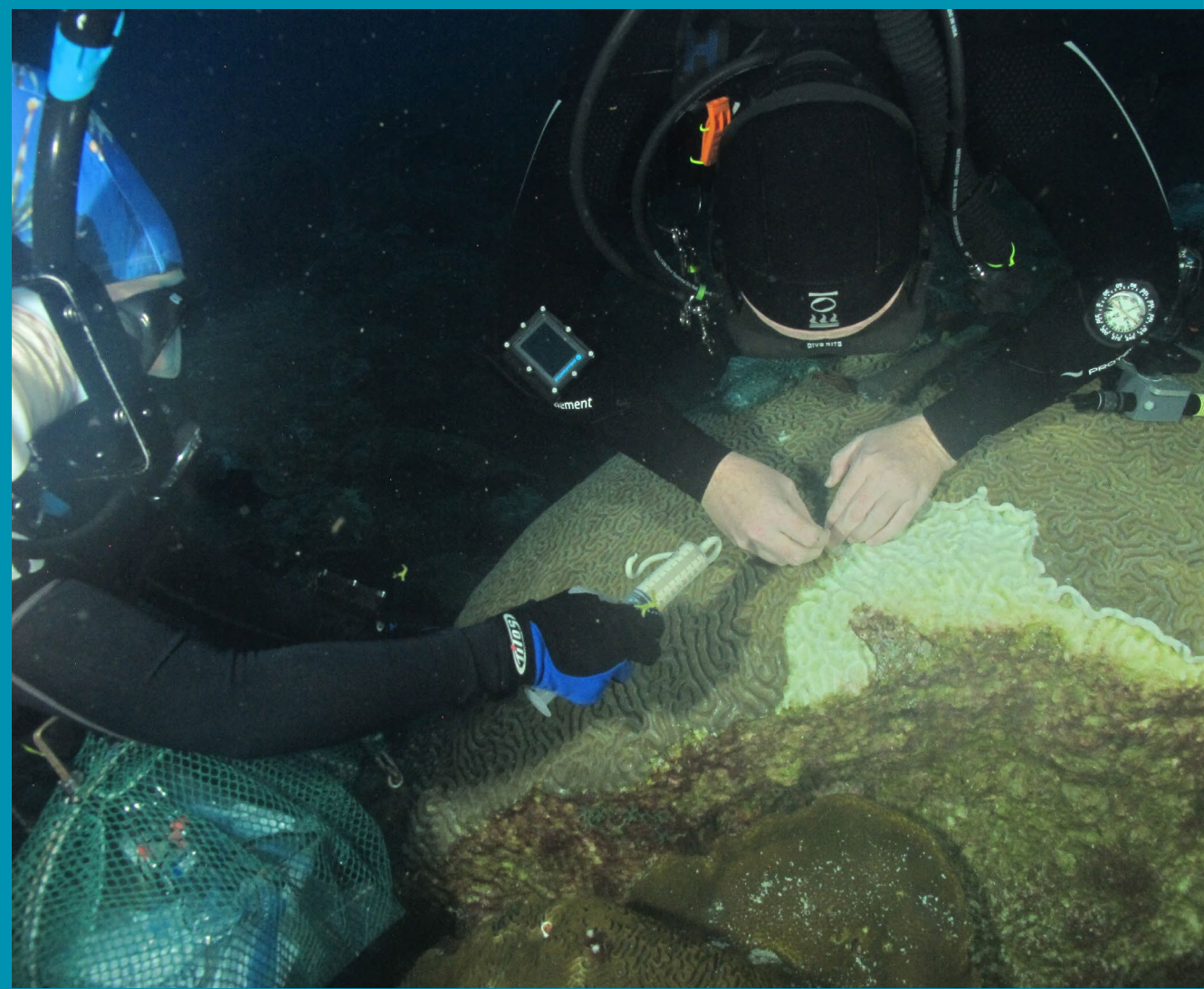
Lesions



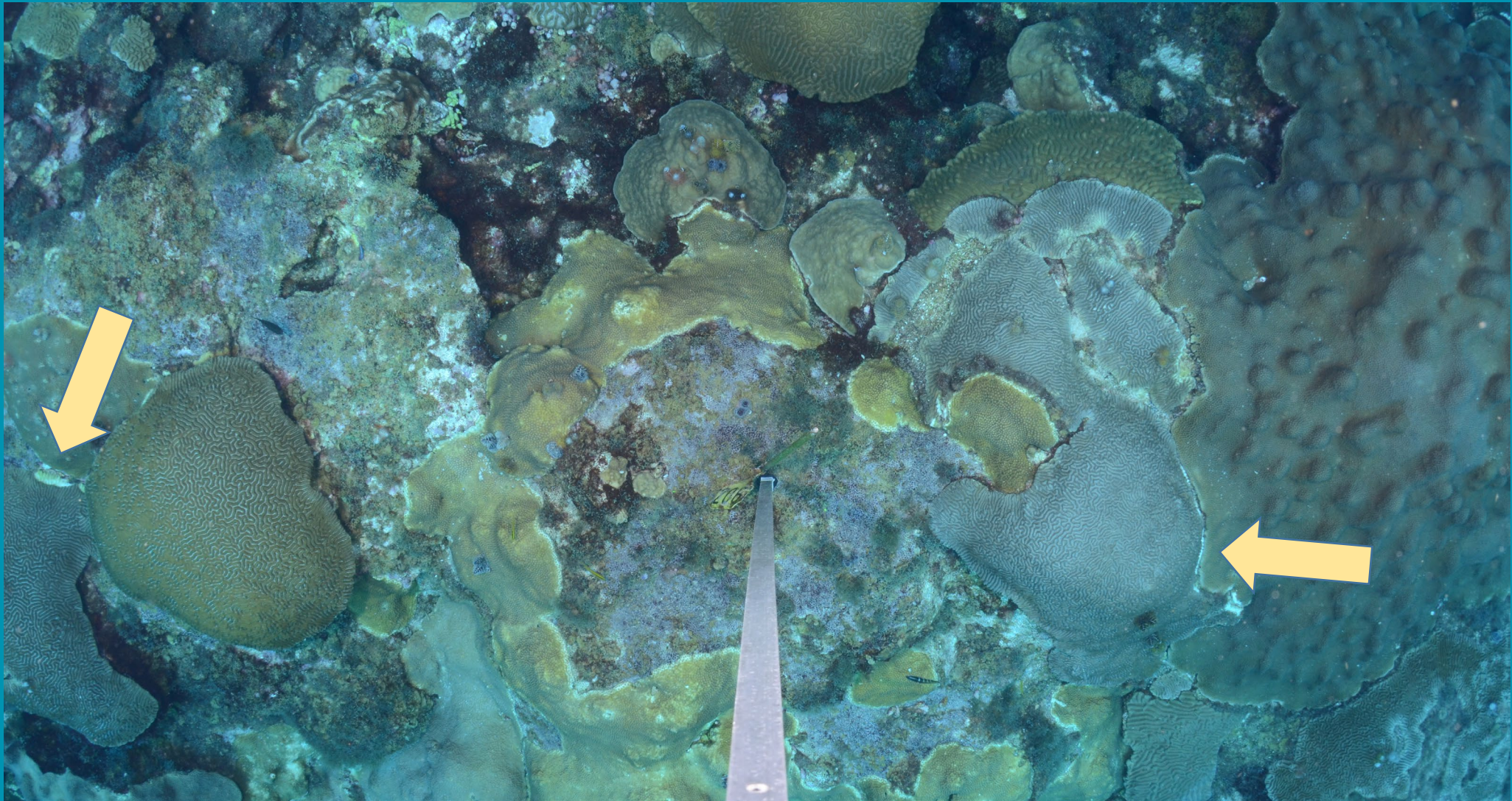
Sampling



Treatment



Photostation monitoring



Transmission Experiments



Coral Rescue – Moody Gardens

FGBNMS Corals at Moody Gardens:

- 4 *P. strigosa*
- 4 *C. natans*
- 2 *M. cavernosa*
- 2 *O. franksi*
- 2 *O. faveolata*

