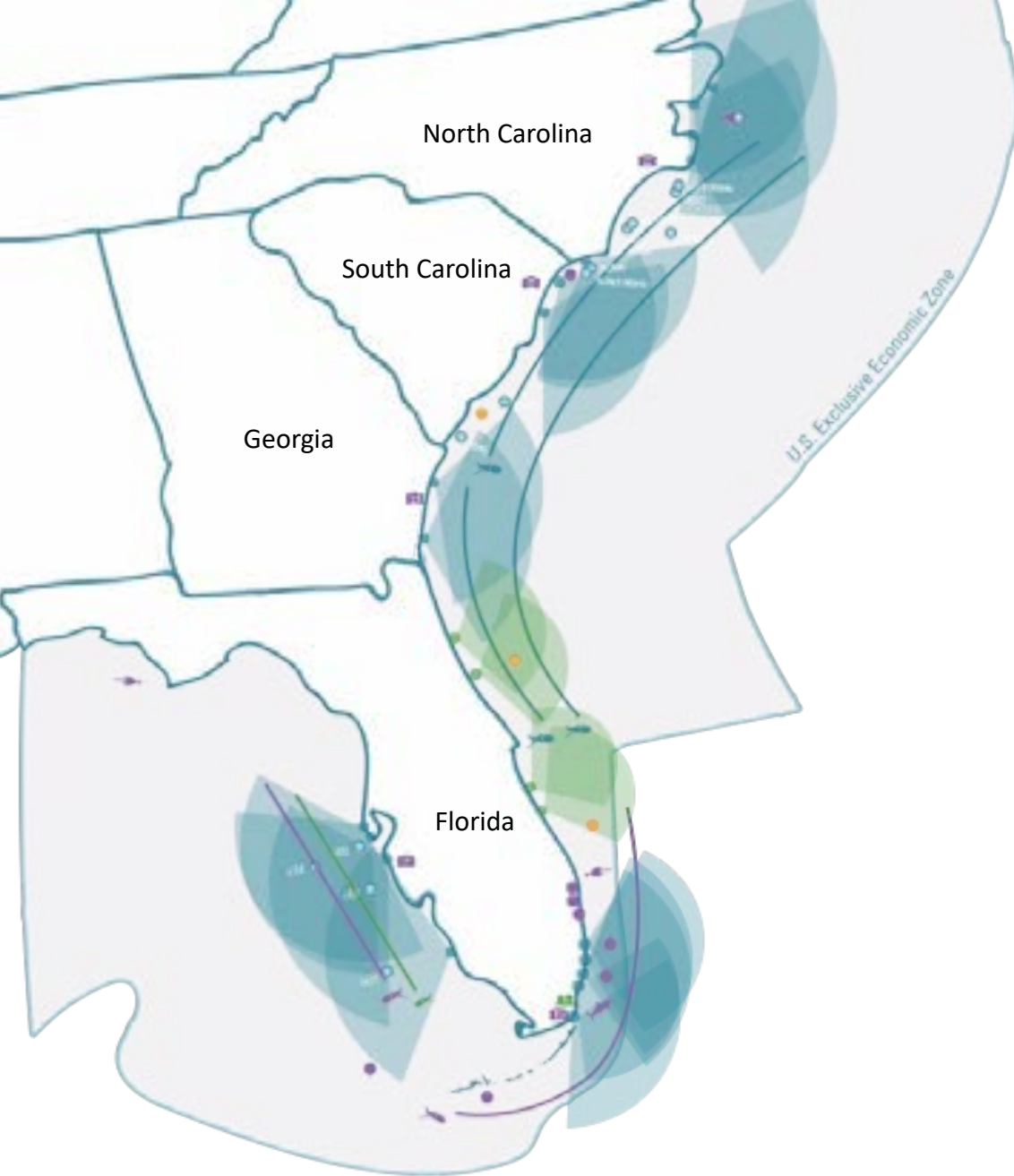


Southeast Ocean and Coastal Acidification Network (SOCAN) and OA Monitoring in the FL Keys

Emily R. Hall, Ph.D., Mote Marine Laboratory
Janet J. Reimer, Ph.D., University of Delaware



Overview of the Project

- SOCAN works directly with scientists, resource managers, industry experts and educators to facilitate research and discussion to address coastal and ocean acidification in the US Southeast.
- Collaboration with other CANs.
- Identify gaps in research and monitoring needs in the US Southeast.
- Coastal Carolina monitoring project.

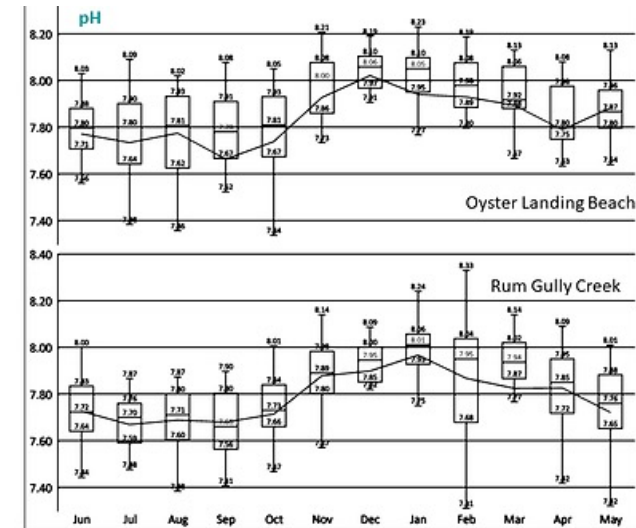
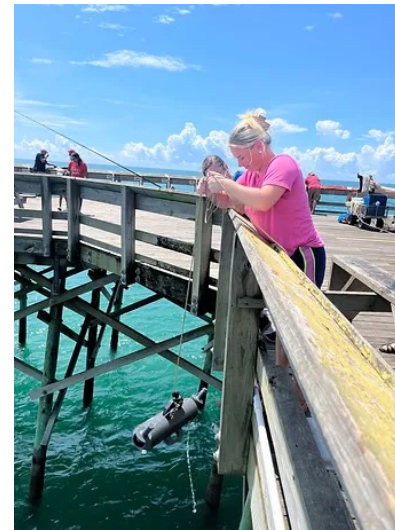
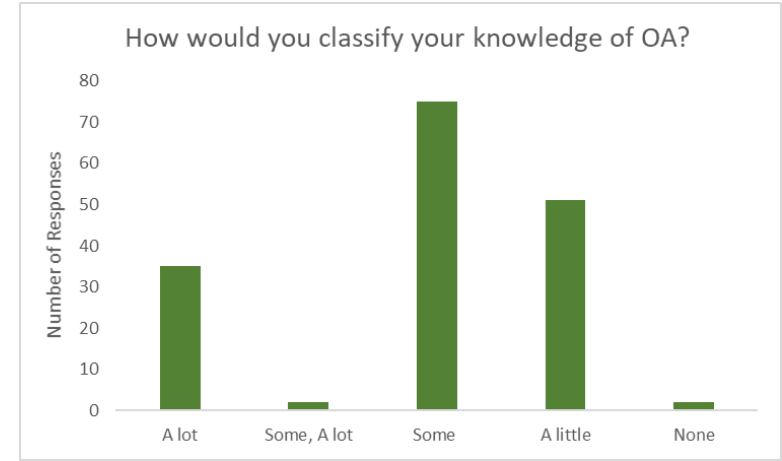


<https://www.socan.secoora.org/>



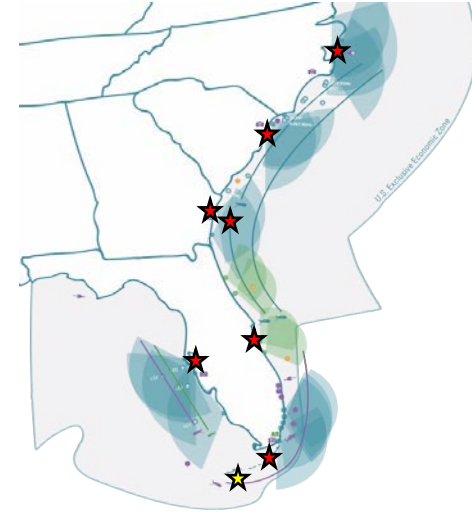
Accomplishments

- Build out plan with GCAN and CHNEP
 - Social and environmental vulnerabilities in the US Southeast and Gulf of Mexico
- Townhalls
 - OA and Mangroves
 - Marine Carbon Dioxide Removal and Blue Carbon
- Coastal Carolina Project
- Workshops and Conferences
 - International GoM OA Meeting (Merida, Mexico)
 - MACAN webinar
 - OA Day of Action
 - South Carolina Water Resources Meeting
 - South Carolina Science Educator's Café
 - AGU
 - CHNEP Florida Climate Summit



Challenges and Looking Ahead

- Stakeholder Recruitment
- Low spatial-temporal resolution for permanent sites
- Using pH data from weather quality datasets (vs climate quality)
- Affordable sensors
- Coral Reef Acidification Lower (CoRAL) Keys: SeapHOx deployment to monitoring long-term seafloor pH



Example of the seafloor mooring placed at Crocker Reef (credits: Kim Yates).