Evaluating oyster reefs as habitat: catalyzing future research for management applications



Southeast NERRs Oyster Catalyst Goals

- Develop a regional collaborative focused on oyster reef ecology and management
- Collect pilot field data testing emerging sampling techniques across the region
- Incorporate end-user
 feedback and generate
 a Collaborative proposal

such as the Foundation species eastern ovster (Crassostrea virginica) serve numerous ecological functions and provide myriad ecosystem services within coastal environments, including serving as key habitat for a diverse community of organisms within Reserves across the NERR System. Our collaborative team deployed multiple established concurrently and emerging methods to sample intertidal oyster reefs in Reserves in North Carolina (NC), South Carolina (NI-WB), Georgia (SI), and Florida (GTM).









Our results were shared with resource management end-users at a workshop in September 2024. Their feedback was integrated into our Collaborative Science proposal to expand upon this Catalyst project with the goal of understanding the ecosystem function of oyster reefs across management strategies and environmental gradients along the southeastern US Atlantic coast.