Defining Resilience with Coastal Communities

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A Quick Exercise

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In 50 words or less, define the term 'resilience'

Nobody has responded yet.

Hang tight! Responses are coming in.

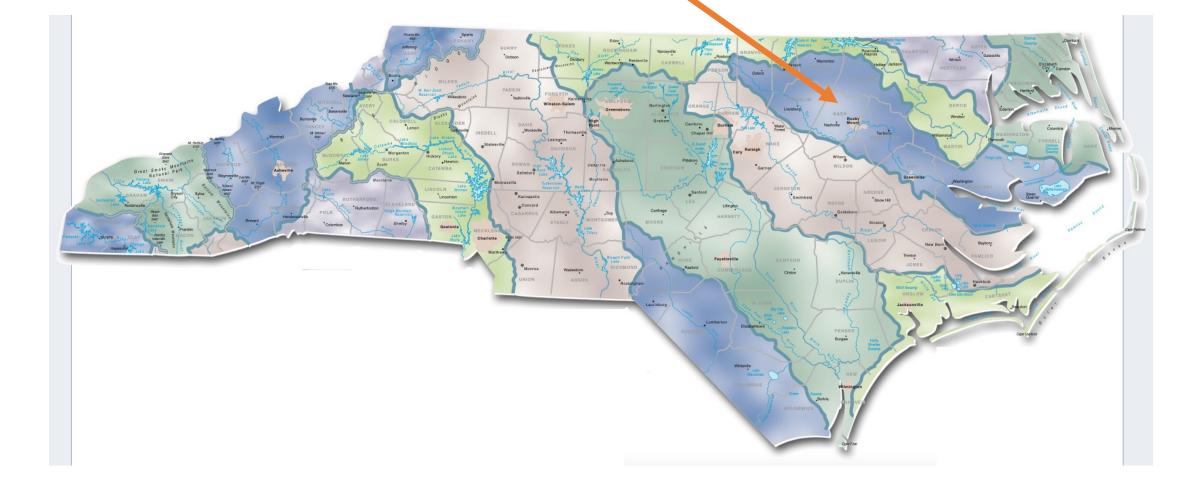
Start the presentation to see live content. For screen share software, share the entire screen. Get help at **pollev.com/app**

Resilience in Eastern North Carolina

- Focused CoPe Hub Supporting Environmental Justice in Connected Coastal Communities through a Regional Approach to Collaborative Community Science (NSF 20-52889)
- "…an interest in understanding the issues and solutions from water-related risks in eastern North Carolina."



About Eastern North Carolina & the Tar-Pamlico River Basin





Resilience

- Current buzzword? New paradigm?
- End of sustainability? (Benson and Craig)
 - Multiple meanings of sustainability

Sustainability's Multiple Meanings

Summary of Position (% of Respondents with Definition) | Top 6 Key Terms & Phrasing

Biological Diversity & System Perpetuity (8.67%) |remain diverse, keeping, indefinitely, property biological, remain, productive, productive indefinitely

General Environmental Support & Protection (33.05%) | environment, support, harmful environment, good, survive, level, rate

Reuse and Replenishing of Resources (15.08%) | used, possible, reus, reused, much, nature, everything

Consumer-based Recycling and Reuse (11.94%) | product, maintaining, replenished, taking care, material, replenish, self sufficient

Temporal Endurance (6.92%) | long term, long, lasting, term, long lasting, need, live

Intergenerational (7.36%) | time, long, last, period time, long time, future generation, period

Use and Consumption of Natural Resources (10.46%) | resource, continue, using, natural resource, renew, natural, life

Renewability and Perseverance (6.51%) | keep, keep going, going, take care, self, reuse



Resilience

- Concerned about multiple meanings and perceptions
 - Impact community support for resilience initiatives
 - Impact financial support to enact resilience projects, programs, or policies
 - Divergent perspectives may weaken collective efforts (e.g., greenwashing) and ability to assess performance

Defining Resilience in ENC

- Asked for definitions | Sustainability & Resilience/y
- Predominantly with community leaders along the Tar-Pamlico via interviews
- Other sources
 - Bald Head Island Community (Cape Fear River Basin)
 - Planning grant team (NSF CRISES)
 - All ENC communities (NCDOJ EEG Grant – starting April/May 2024)



Bald Head Island – April 2023

In 50 words or less, define the concept of sustainability in your own words.

growth come acting vague protecting uture function taking replenish cyclical maintaining mitigating preserve **o** resilient ability balance vs humans neither also used face effect conflict rcea change harmony main worldcreating S

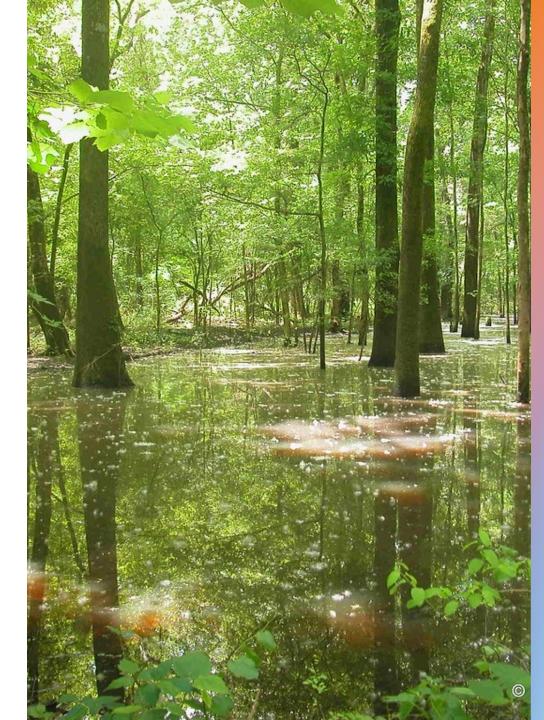
Bald Head Island – April 2023

In 50 words or less, define the concept of resiliency in your own words.

doing environmental detriment threats loss circumstances recover heal multiple environment despite withstandback face thwarted agile object human tact withstandback for the served bounce events long be system time change quickly protect be system time change place trauma changes disturbance adverse perturbations short maintain impacts exist stand tolerate survive obstacles avenues challenges

Tar-Pamlico Interviews

- Similar language used for both sustainability and resilience compared to other collected data
- Noteworthy Observations
 - Sustainability → Some perceived the concept as losing all meaning. Questioned if it was even viable as a practice.
 - Resilience/resiliency → Fewer questions about viability but most see from a natural disaster or systems perspective
 - Questions on natural resource and individual-level perspectives





Current Lessons

- Resilience is...
 - More politically and socially accepted
 - Has potential to catalyze responses to climate change and natural disaster preparedness
 - Mainly perceived as systemsbased (e.g., natural environment, community-level)
 - Ripe for potential abuse and misuse (e.g., greenwashing) and challenges with performance measurement

Questions?

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