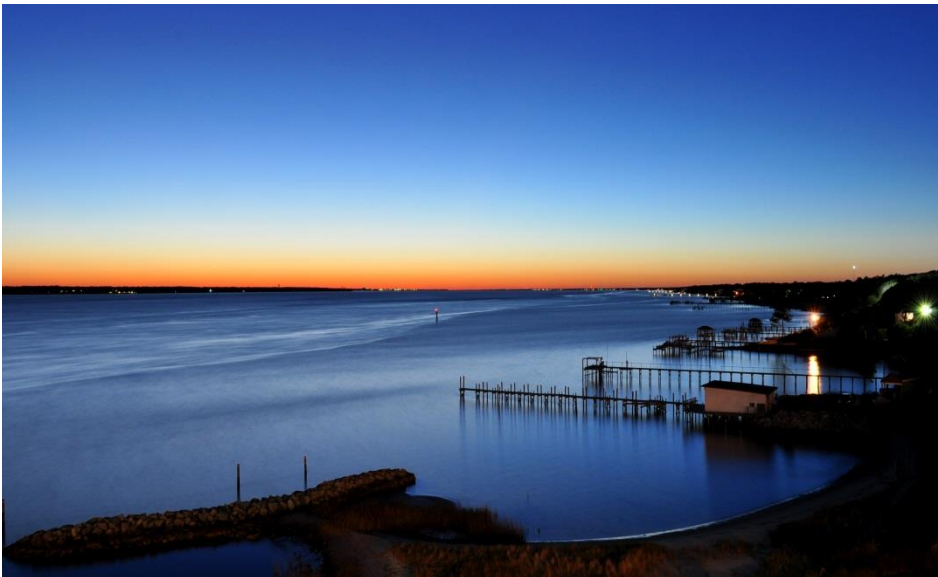




David Eggleston, Director
Professor, Dept. Marine, Earth &
Atmospheric Sciences
eggleston@ncsu.edu



NC STATE UNIVERSITY



CMAST is a 53,000 ft² facility located
on Bogue Sound in Morehead City
and ~ 3 miles from Beaufort Inlet,
NC

<http://www.cmast.ncsu.edu>

Mission

- “Discover Coastal Solutions”
- Research, Extension, & Teaching
- Provide a focal point for citizen contact



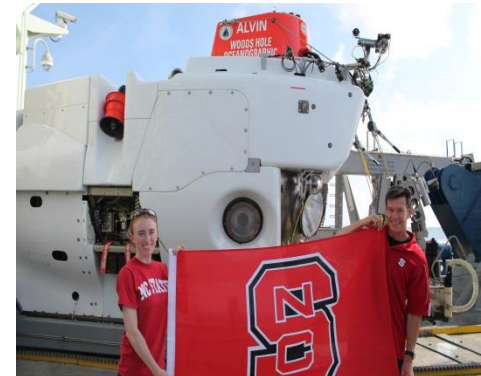
A true partnership!

Multi-College, Interdisciplinary Center

- College of Veterinary Medicine
- College of Sciences
- College of Agriculture & Life Sciences



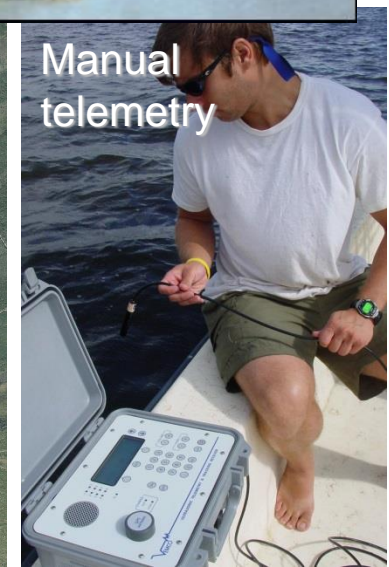
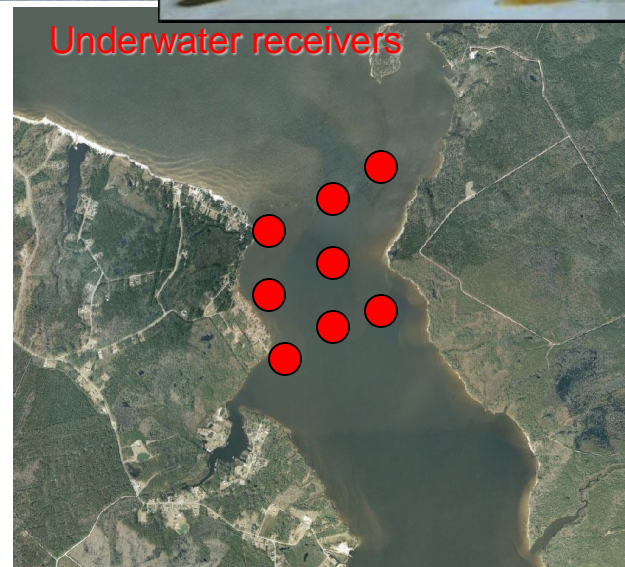
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Marine and Estuarine Fisheries

(Dr. Jeff Buckel; CALS)

- Basic ecology
- Applied ecology
- Extension



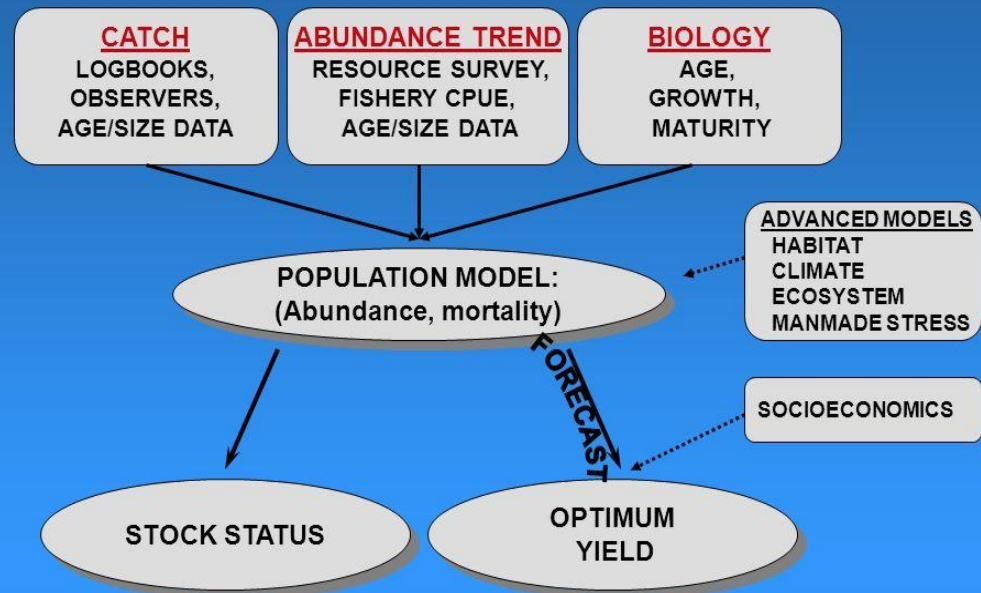
Quantitative Fisheries Science

(Dr. Jie Cao; CALS)

- Fisheries Stock Assessments
- NMFS and NC DMF
- Population Dynamics Modeling
- Ecosystem Modeling



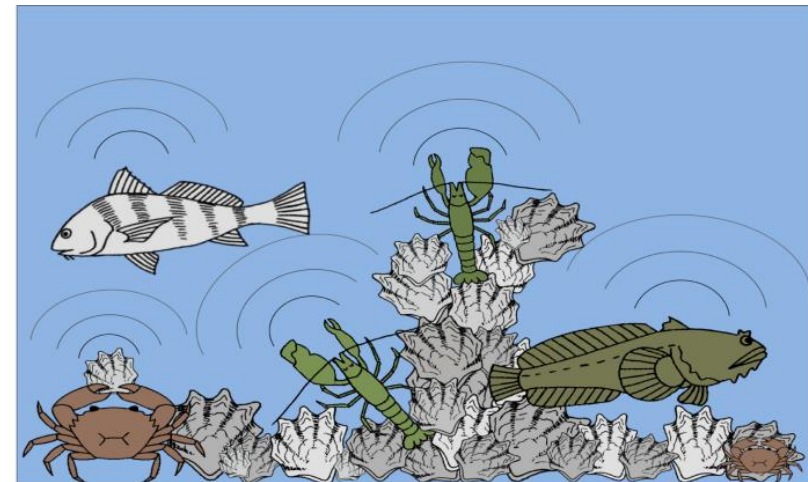
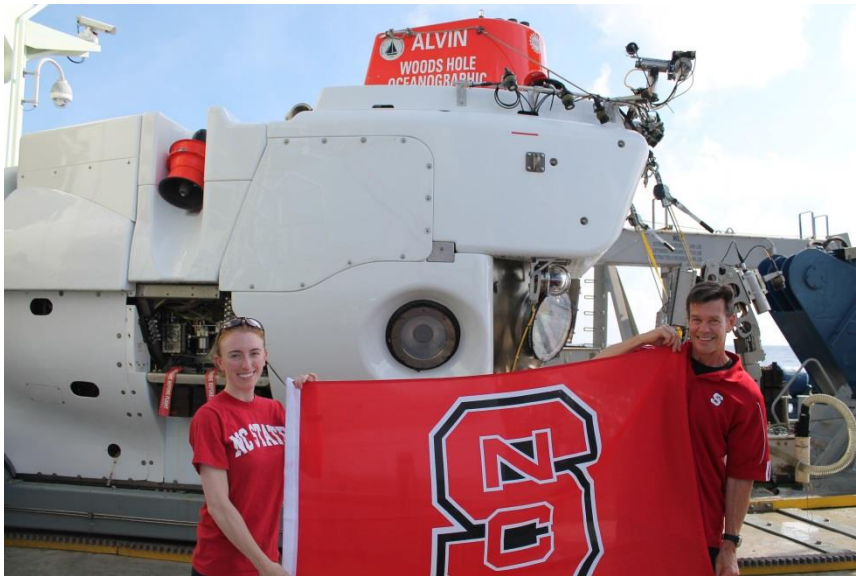
STOCK ASSESSMENT PROCESS



Marine Ecology & Conservation

(Dr. Dave Eggleston; COS)

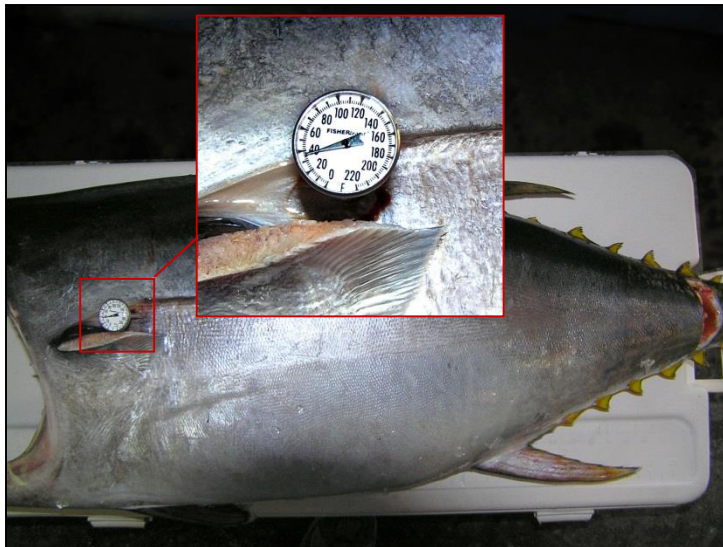
- Basic ecology
- Applied ecology
- Aquaculture
- Outreach



Seafood Technology

(Dr. Alex Chouljenko; CALS)

- Seafood Quality & Safety
- Value-Added Product Commercialization
- Seafood Traceability
- Industry



10/10/2022





CMAST

The Center for Marine Sciences and Technology

Aquatic Animal Health

(Dr. Craig Harms; CVM)

- Clinical care & teaching at NC Aquariums & Sea Turtle Hospital
- Clinical support of research & teaching



Shellfish Pathology Program

(Dr. Tal Ben-Horin; CVM)

- NC Shellfish Disease & Pathology Program
- Emerging diseases & pathogens related to Food Security & Ocean Health



Coastal Toxicology/Eco-Physiology Program

(Dr. Maria Rodgers, COS/Biology)

- Ocean Health & Water Quality
- NC Shellfish Water Quality
- Emerging contaminants



K-12 STEM & The Science House @ CMAST



- STEM Programs & Training for Teachers and Students
- Community partner for Educational/Outreach
- Citizen Science



CALS County Cooperative Extension



Shawn Banks, Director, Agriculture & Horticulture

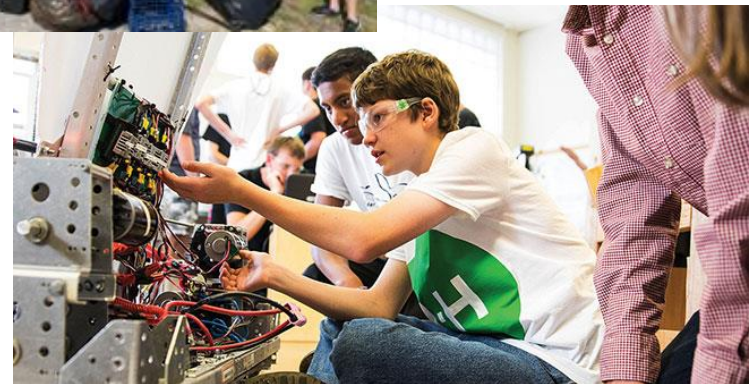
Stephanie Stevenson, Family & Consumer Services

Dina Murray, Admin. Asst.

Coleman Killinger, 4-H

Mike Carroll, Agriculture

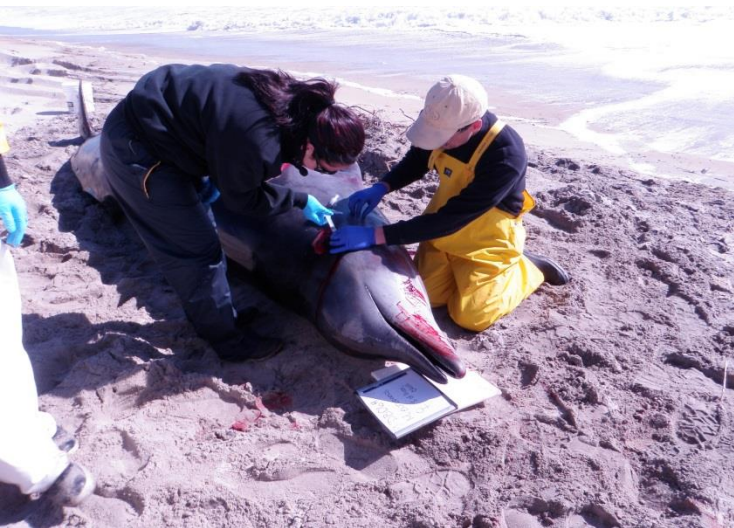
-
- Occupy 2/3 of CMAST Third floor
 - Big Sweep
 - 4-H
 - Lawn & Garden
 - Environmental Education
 - Agriculture & Food
 - Health & Wellness
 - Home & Family
 - Soil & Water



Marine Mammal Stranding Program

(Dr. Vicky Thayer, NC DMF)

- Volunteer standing network
- Responds to mortality events
- Tissue/Serum banking
- Bio-monitoring



10/18/2022



Aquatic Animal Health
(Dr. Emily Christiansen, NC Aquarium)

Aquatic Animal Health
(Dr. Lori Westmorland, NC Aquarium)

Marine Conservation Research
(Dr. Carol Price, NC Aquarium)



Emily Christiansen



Lori Westmoreland



Carol Price

Seafood Business Development
(Mr. Barry Nash, NC Sea Grant)

Marine Aquaculture
(Eric Herbst, NC Sea Grant)

Sentinel Site Coordinator, SLR, Marine Educator
(Ms. Sara Spiegler, NC Sea Grant)

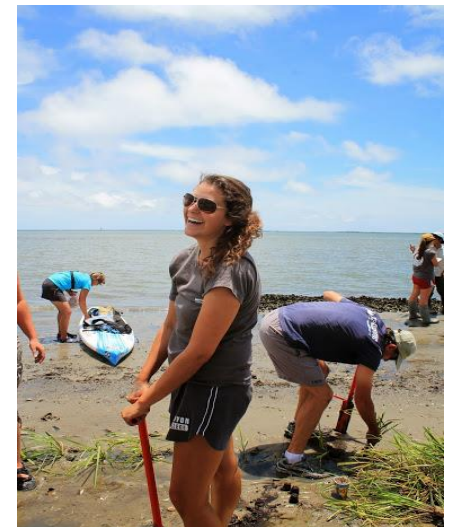


Barry Nash

10/18/2022



Eric Herbst



Sara Spiegler

Research & Internship Opportunities



10/18/2022

Coastal Resilience & Sustainability Initiative

- The world is unprepared for the challenge of climate change.
- NC is at the epicenter of this challenge.
- This initiative addresses the effects of climate change on ecosystems, economies and communities.



Food Security, Ocean Health & Climate Change

- Research & Extension in Support of wild fisheries and aquaculture
- Seafood technology and industry
- Coastal Resilience & Sustainability
 - Green infrastructure
 - Water quality
 - Environmental justice



Questions?



<http://www.cmast.ncsu.edu>

10/18/2022