



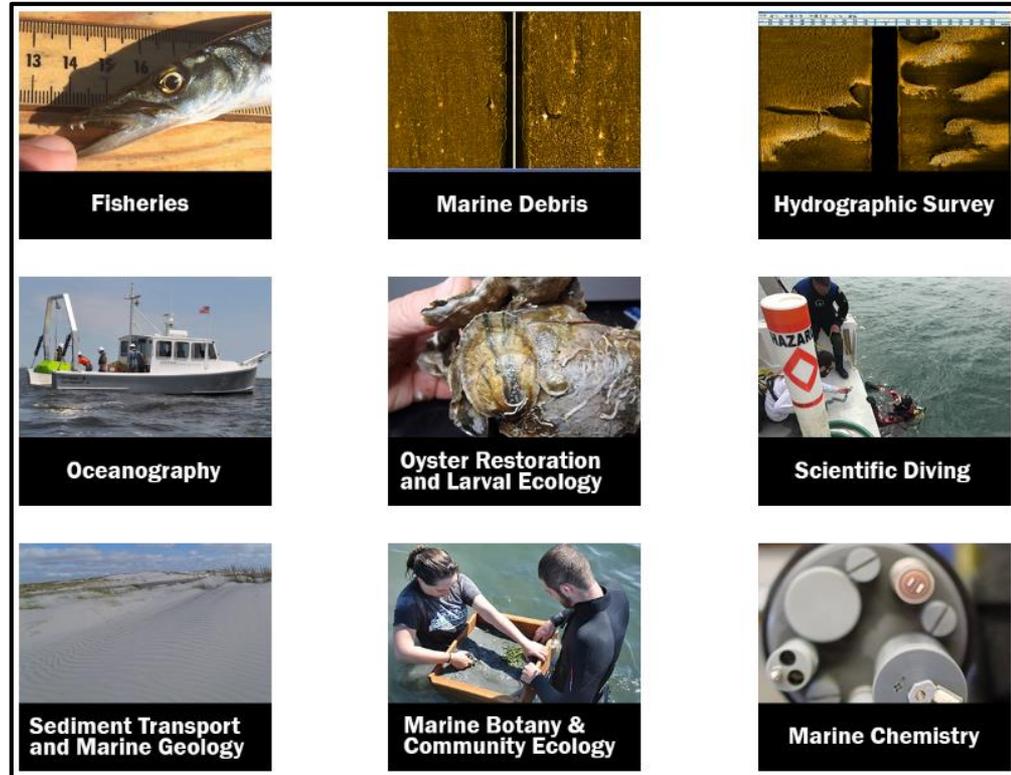
Marine Field Station & Coastal Research Center Port Republic, NJ



MARINE FIELD STATION

30 Wilson Avenue
Port Republic, NJ 08241
POC – Steve Evert
609-652-4486
www.stockton.edu/marine

- ❖ **Teaching & research programs** – marine science, coastal bay studies, habitat restoration, oceanography, marine operations & hydrography
- ❖ **Marine operations program**– inshore vessel fleet, 36' survey vessel *R/V Petrel*, AAUS dive safety program, hydrographic operations and marine survey team
- ❖ **Resources** – multibeam and side scan sonars, inspection class ROV, LiDAR, magnetometer, ADCP fleet, Van Veen sediment grab, and most biological sampling devices (nets, dredges, etc.)
- ❖ **Commercial fishing industry collaboration** – fixed gear sonar training programs, gear recovery, coastal bay oyster restoration



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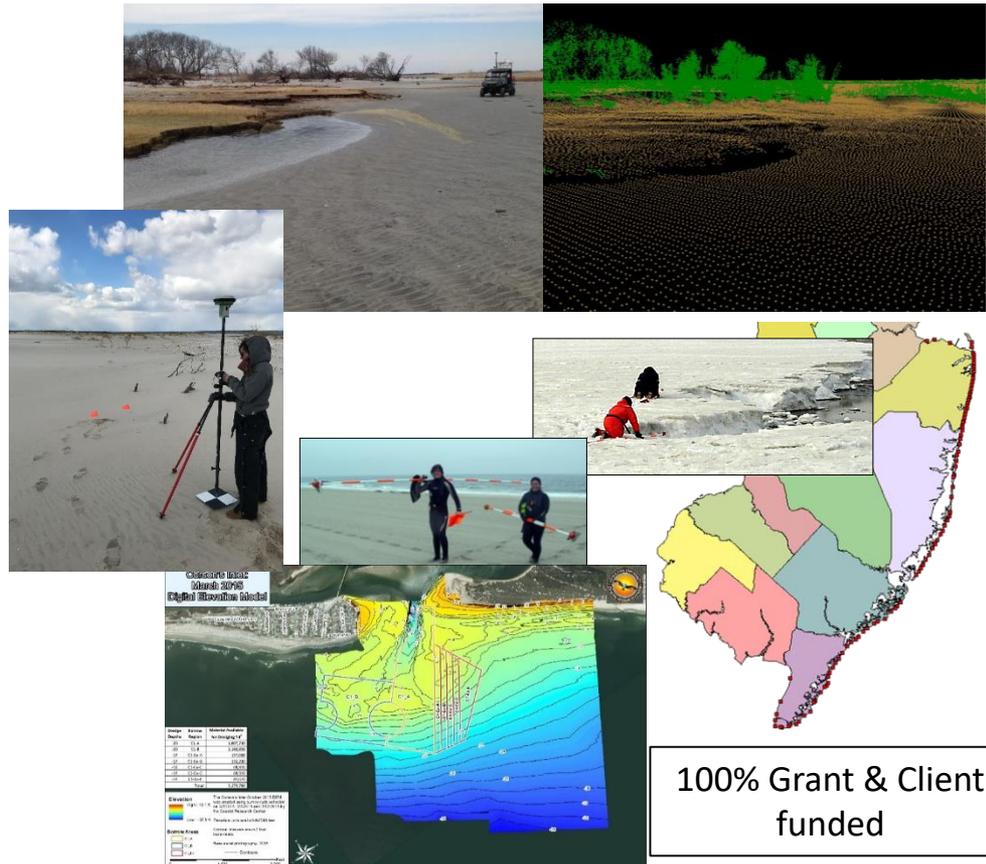
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UNIVERSITY

www.stockton.edu

COASTAL RESEARCH CENTER

30 Wilson Avenue
Port Republic, NJ 08241
POCs - Stew Farrell or Kim McKenna
609-652-4245
www.stockton.edu/crc

- ❖ **Coastal Data Collection** - RTK GPS, LiDAR, Bathymetric Surveys, Instrument deployment, Sediment Coring & Classification
- ❖ **Data Analysis** - GIS Mapping & Visualization, Beach Profile Changes, Inlet Changes, Nuisance Flood Events, Habitat Mapping, Sediment Transport, Web Viewer
- ❖ **Coastal Management Technical Assistance** – Storm Impacts to Shorelines, Inlet Dynamics, Habitat Changes, Nearshore Sediment Transport, Public Access, Dredge Material Mgt.
- ❖ **Student Research Opportunities** – NJBPN Surveying, Grant-related Deployment & Data Analysis, GIS Analysis



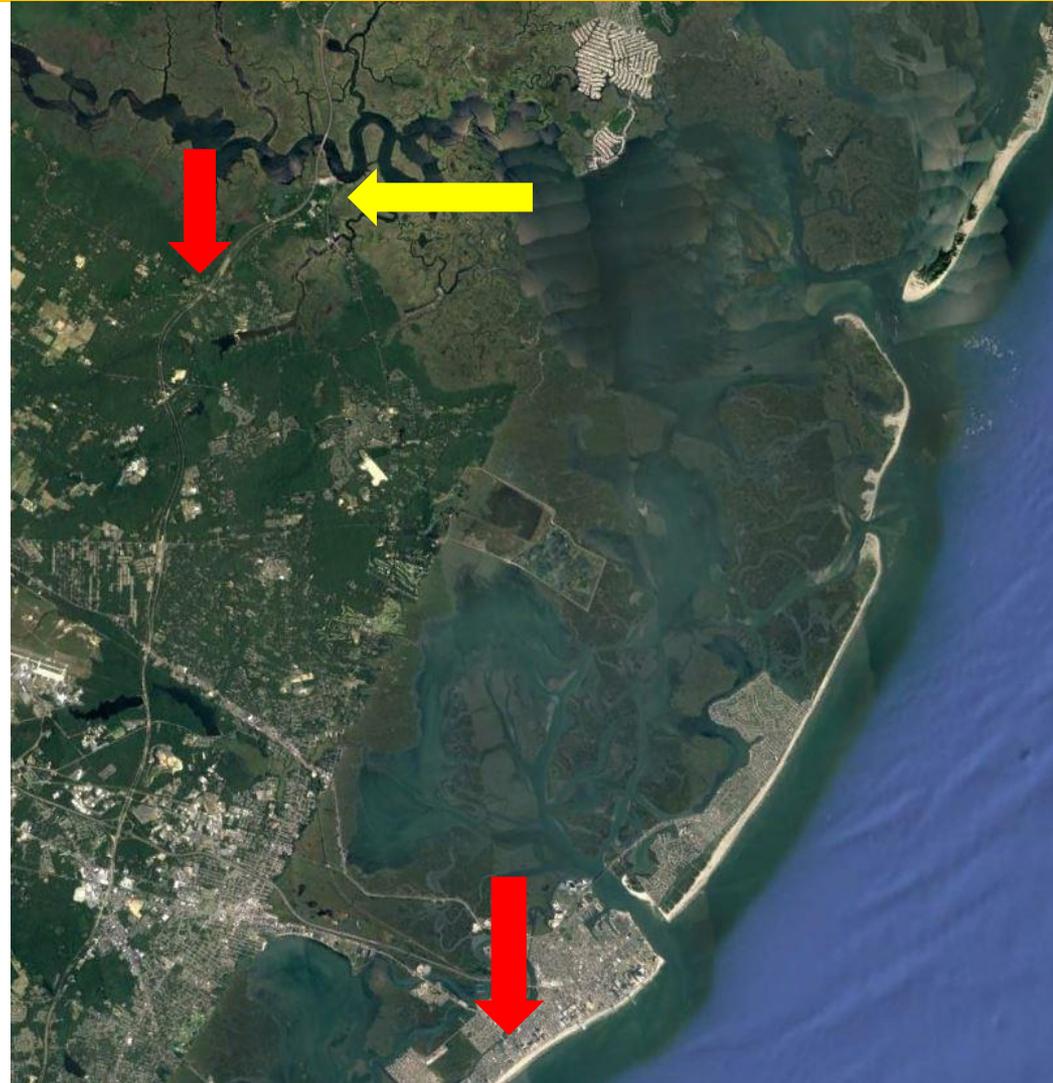
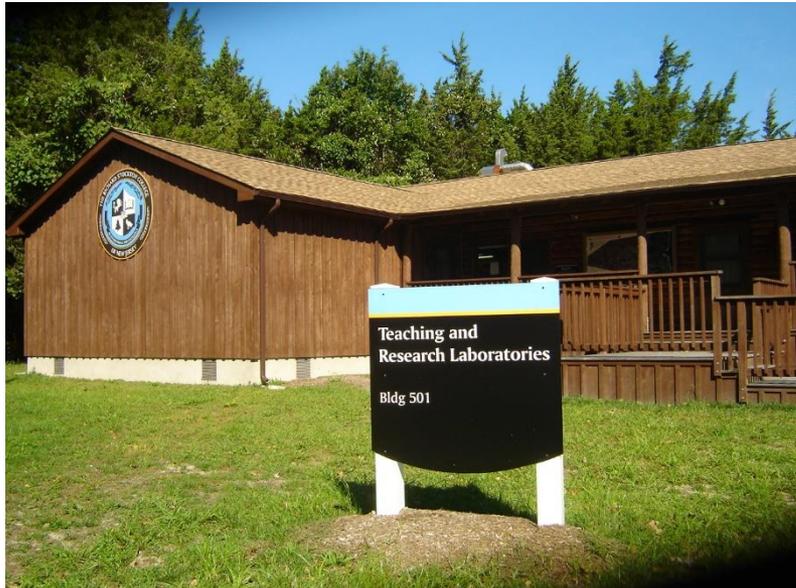
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Physical location

30 Wilson Ave.,
Port Republic, NJ 08241

- Previously residential site (1993)
- Multiple in-house renovations over the years



Waterfront facility providing high level marine operations support for University academics, faculty research and the Coastal Research Center

Labs and indoor equipment

- 1500 sf biological and teaching laboratory
 - Standard equipment
- 600 sf sediment laboratory
 - Sieve shakers
 - Drying ovens
 - Combustion ovens
- 650 sf wetlab and aquaria space
 - Tanks to 600 gallons
- 600 sf wood and mechanical shop
- Multiple storage buildings
- Waterfront mooring for (6) vessels to 40'

Research vessel fleet

- *R/V Petrel* – 36'x14' oceanographic workboat
- *R/V Osprey* – 24' x 8' survey vessel
- Multiple vessels 14' - 21' LOA for estuarine support

Vessel-based field instrumentation

- Most standard biological field sampling gear
 - Seine, plankton, trawl and gill nets
 - Patent tongs (oyster survey)
- Marine survey instrumentation
 - Klein 3900 side scan sonar
 - Edgetech 6205 multibeam/side scan sonar
 - Dynascan mobile LiDAR
 - Seabotix 300m inspection class ROV
 - Marine magnetics magnetometer
 - Teledyne ADCP systems (Sentinel V and Riverpro)
 - 6000 and EXO YSI series water instruments
 - CTD

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Geographical access



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Facilities



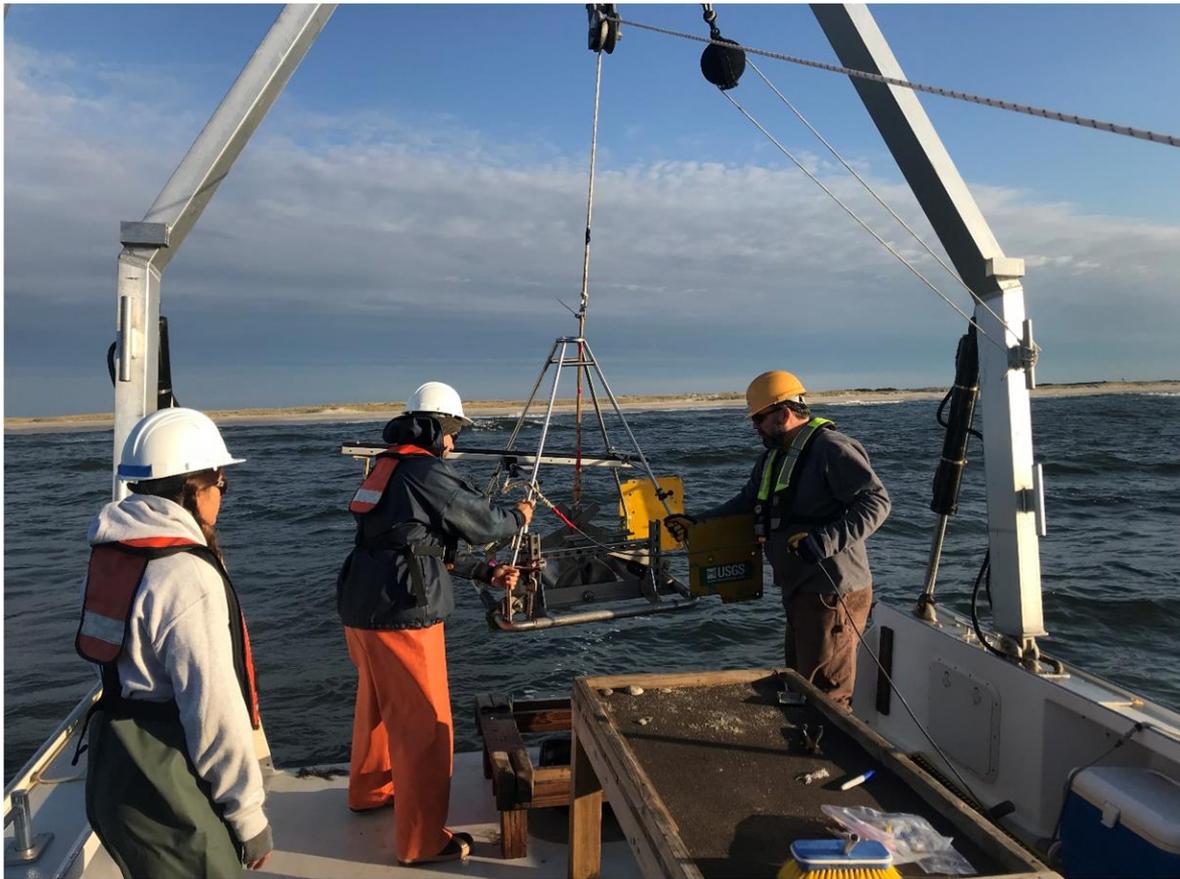
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Physical resources



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Logistical operations

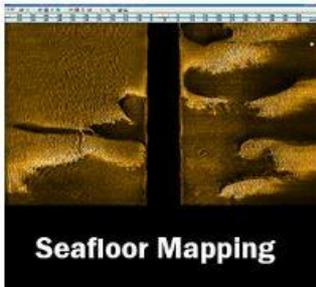


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Teaching & Research

Research & Long-term Monitoring Programs



Seafloor Mapping



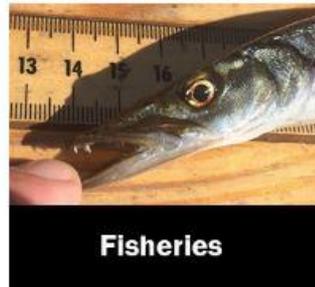
Oceanography



**Sediment Transport
and Marine Geology**



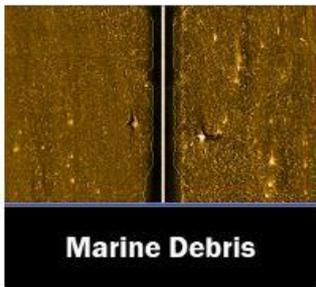
**Oyster Restoration
and Larval Ecology**



Fisheries



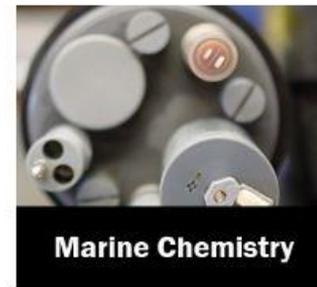
**Marine Botany &
Community Ecology**



Marine Debris



Scientific Diving



Marine Chemistry

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Point of contact: Steve Evert @ 609-652-4486
or by e-mail at steve.evert@stockton.edu

