SHANNON RICCI

Interests: data analysis, data visualization, marine benthic ecology, conservation, passive acoustics, informal environmental science education

EDUCATION

2022 2018

PhD Student, Geospatial Analytics

North Carolina State University

Raleigh, NC

- · Advancing the characterization and interpretation of marine soundscapes through development of automated data processing techniques and integration of satellite imagery
- · Advisor: Dr. DelWayne Bohnenstiehl

2015 2013

M.S., Biological Oceanography

North Carolina State University

Raleigh, NC

- · Thesis: Spatiotemporal soundscape patterns and processes in an estuarine reserve
- · Advisor: Dr. David Eggleston

2012 2008

B.S., Marine Science, Marine Biology concentration

University of Maine

Orono, ME

· Thesis: Salinity tolerance of the oyster mudworm Polydora websteri

RESEARCH EXPERIENCE

2020 2018

PhD Dissertation Research

Geophysics & Acoustics Lab

North Carolina State University

- · Develop automated acoustic data processing techniques
- · Characterize and interprete marine soundscapes
- · Develop method to detect small boats in Planet satellite imagery

2018 2016 Research Technician

Marine Ecology & Conservation Lab

- North Carolina State University
- · Processed, analyzed, synthesized, and published soundscape and other group research
- · Assisted with the design and analysis of a variety of lab group research projects
- · Mentored incoming students in soundscape data analysis techniques

2015 2013

MS Thesis Research

Marine Ecology & Conservation Lab

- North Carolina State University
- · North Carolina Sea Grant/NC Coastal Reserve Coastal Research Fellow
- · Field: Designed and performed soundscape characterization of NC Coastal Reserve
- · Lab: Designed and performed experiments investigating oyster settlement response to habitat associated sound



SELECTED PUBLICATIONS

2018

Investigating the utility of ecoacoustic metrics in marine soundscapes

Journal of Ecoacoustics

· Bohnenstiehl DR, Caretti O, Lyon RP, Ricci SW, Eggleston DB

CONTACT

- ≥ swbrown@ncsu.edu
- **y** @swricci
- github.com/swricci
- **)** (845) 803-2019

SKILLS

MATLAB

MORE INFO

To view my full CV and a more complete list of positions and publications, go to: swricci.github.io/cv/

Made w/ pagedown. Source code: github.com/nstrayer/cv. Last updated on 2020-03-12.

