



ANJALI D. BOYD

www.anjaliboyd.com | anjali.boyd@duke.edu

EDUCATION

- Expected 2025 *PhD*, Duke University, Marine Science and Conservation
Advisor: Dr. Brian Silliman
- 2019 *Bachelor of Science*, Eckerd College
Major: Marine Science (Biology Track)
Education Abroad: Cuba, Costa Rica, Spain, Panama, & Bahamas
Undergraduate Thesis title: “*The effects of tropical cyclones on soundscapes and marine organisms of the west Florida shelf (Gulf of Mexico)*”

PROFESSIONAL APPOINTMENTS

- 2021-Current **Early Career Liaison**, U.S. National Committee for United Nation Decade of Ocean Science for Sustainable Development, National Academies of Sciences, Engineering, and Medicine
- 2020-Current **Dean’s Graduate Fellow**, Duke University, Advisor: Dr. Brian Silliman
- 2020- Current **District Supervisor (Elected)**, Durham County Soil and Water Conservation District
- 2020-Current **DukeEngage Fellow**, Duke University
- 2017-2019 **NOAA Hollings Scholar**, Advisors: Dr. Ken Riley and Dr. Brian Silliman

PUBLICATIONS

1. **Boyd A.**, Mann D., Gowans S. and Simard P. 2021. Tropical Storm Debby: Soundscape and Fish Sound Production in Tampa Bay and the Gulf of Mexico. PLOS ONE
2. **Boyd A.**, Fisher K., Lamb-Wotton L., and Crystal-Ornelas R. 2020. Human Dimensions: The ESA Student Section. Bulletin of the Ecological Society of America

Manuscripts in Review

Boyd A., Walker N., Valdez S., Zhang S., Altieri A., Crain C. and Silliman B. In Review. Snail grazing on live turtlegrass (*Thalassia testudinum*): patterns, preferences and facilitation of fungal infection. Frontiers in Marine Science

Manuscripts in Preparation

Morton J., **Boyd A.**, Atkins R., Prince K., Williams S., Byers J., Angelini C., Pennings S., and Silliman B. Predator exclusion leads to mesopredator release in a southern US salt marsh.



FELLOWSHIPS AND SCHOLARSHIPS

Fellowship total = \$81,000

Scholarship total = \$121,533

2021	Joseph S. Ramus Endowment Fund (\$3,000)
2020-2021	DukeEngage Fellowship (\$2,000)
2020-2025	Duke University Dean's Graduate Fellowship (\$81,000 over four years)
2018	Longboat Key Garden Club (\$7,000)
2018	Davis Island Fishing Foundation Don Eury Scholarship (\$1,000)
2017-2019	NOAA Hollings Scholar (\$26,000 over two years)
2017-2018	Eckerd College Dr. Walter Walker Annual Scholarship (\$4,587)
2017	Duke University Marine Lab's Marine Science and Conservations Scholarship
2016-2018	Eckerd College Raymond James & Associates Scholarship (\$12,946)
2016-2017	Eckerd College K&J Johnson Family Annual Scholarship (\$10,000)
2015-2016	Eckerd College Florence Gabusile Hlophe Memorial Annual Scholarship (\$5,000)
2015-2018	Eckerd College Presidential Scholar (merit based, \$51,000)

AWARDS & HONORS

2021	Ford Pre-Doctoral Fellowship, Alternate and Honorable Mention
2020	NSF Graduate Research Fellowship Program, Honorable Mention
2019	NOAA Population and Ecosystem Science Quantitative Workshop, Invited Attendee
2019	Eckerd College Marine Science Outstanding Contribution to the Major Award
2019	Eckerd College Organization of Students Social Justice Award
2019	Omicron Delta Kappa
2019	Ecological Society of America Travel Grant
2019	Ecological Society of America SEEDS Alumni Travel Award
2019	Association for the Sciences of Limnology and Oceanography Travel Award
2018	Ecological Society of America SEEDS Spring Field Trip
2018	Ecological Society of America SEEDS Student Travel Award
2017 & 2018	Association for the Sciences of Limnology and Oceanography Multicultural Program
2017 & 2018	Society of Wetland Scientists Multicultural Program
2017	Coastal and Estuarine Research Federation Rising TIDES Mentoring Program

INVITED TALKS AND PANELS

Talks

2021	Capitol Hill Ocean Week 2021 – NOAA Oceanic and Atmospheric Research and National Academies of Science, Engineering, and Medicine Panel. <i>“Community Discussion on Building Diversity in the UN Decade of Ocean Science”</i>
2021	Smithsonian Marine Station – Marine Science in the Morning Oral. <i>“Did You Hear That? Assessing Ocean Health Through Sound”</i>



- 2021 **National Academy of Science – 22nd Annual Roger Revelle Lecture**
Panel. *“The Next Wave: A Generational Shift in Ocean Sustainability”*
- 2021 **NR 595 – Wetland Science and Management, North Carolina State University**
Oral. *“Scientists in Government: Developing Science-Based Community Centered Solutions for Natural Resource Conservation and Management”*
- 2019 **Undergraduate Thesis Defense, Eckerd College**
Oral. *“The effects of tropical cyclones on soundscapes and marine organisms of the west Florida shelf (Gulf of Mexico)”*

RESEARCH EXPERIENCE

- 2019 Intern, Scripps Acoustic Ecology Laboratory, La Jolla, CA
- 2018-2019 Senior Thesis Researcher, Eckerd College Dolphin Project, St. Petersburg, FL
- 2017 Student Researcher, Duke University Marine Lab, Beaufort, NC
- 2017 Student Research Assistant, Marine Research in Cuba, Havana, Cuba
- 2016-2017 Student Researcher, Eckerd College Dolphin Project, St. Petersburg, FL
- 2016-2017 Intern, Wetland Restoration Laboratory, St. Petersburg, FL
- 2016 Intern, Research Experiences for Undergraduates (REU), Princess Anne, MD

TEACHING EXPERIENCE

Guest Lectures

- 2020 **Biology 273L - Marine Ecology, Duke University**
Presentation: *“Ecosystem Restoration: Exemplifying the Difficulty of Combating Systemic Racism”*

Other Teaching Experience

- 2017 Science Instructor, iNviTECH STEM Camp, Durham, NC
- 2017 Teaching Assistant, Johns Hopkins Center for Talented Youth, Los Angeles, CA

MENTORING EXPERIENCE

- 2019 & 2020 Annual Meeting Alumni Mentor, Ecological Society of America SEEDS
- 2018 Annual Meeting Mentor, Society of Wetland Scientists Multicultural Program

Student Demographics

- 17 undergraduates and three master’s students.
- Four colleges and universities represented among students.
- 95% of students identify as female.



- 40% of students identify as an underrepresented minority (e.g., Black or African America, Latinx or Hispanic, Indigenous, Pacific Islander).

CONFERENCE ACTIVITY

Presentations

A. Boyd, D. Mann, S. Gowans and P. Simard. The effects of tropical cyclones on soundscapes and marine organisms of the west Florida shelf (Gulf of Mexico). *Acoustical Society of America* (December 2019); San Diego, CA. **Oral.**

A. Boyd, S. Zhang, B. Silliman, and K. Riley. A Food-Web Approach to Seagrass Conservation. *Association for the Sciences of Limnology and Oceanography* (February 2019); San Juan, PR. **Oral.**

A. Boyd, B. Orihuela, and D. Rittschof. Acute toxicity of stainless-steel versus plastic on barnacle larvae survivorship. *Ecological Society of America* (August 2018); New Orleans, LA. **Oral.**

A. Boyd, S. Zhang, B. Silliman, and K. Riley. A Food-Web Approach to Seagrass Conservation. *NOAA Science and Education Symposium* (July 2018); Silver Springs, MD. **Oral.**

A. Boyd, B. Orihuela, and D. Rittschof. Acute toxicity of stainless-steel versus plastic on barnacle larvae survivorship. *11th Annual Eckerd College Student Research Symposium* (April 2018); St. Petersburg, FL. **Oral.**

A. Boyd, S. McKean, D. Mann, C. Stallings, S. Gowans and P. Simard. Soundscape analysis of the west Florida shelf (Gulf of Mexico). *Association for the Sciences of Limnology and Oceanography* (February 2018); Portland, OR. **Poster.**

A. Boyd, S. McKean, D. Mann, C. Stallings, S. Gowans and P. Simard. Soundscape analysis of the west Florida shelf (Gulf of Mexico). *Coastal and Estuarine Research Federation Biennial Conference* (November 2017); Providence, RI. **Poster.**

A. Boyd, S. McKean, D. Mann, C. Stallings, S. Gowans and P. Simard. Soundscape analysis of the west Florida shelf (Gulf of Mexico). *10th Annual Eckerd College Student Research Symposium* (April 2017); St. Petersburg, FL. **Poster.**

A. Boyd, B. Orihuela, and H. Dias. Juvenile blue crabs (*Callinectes sapidus*) response to visual and chemical cues with changes in acidity. *Duke University Fall Independent Research Study Symposium* (December 2017); Beaufort, NC. **Oral.**

A. Boyd, C. Schweitzer, B. Stevens. Size distribution of black sea bass at artificial and natural reefs. *Society of Wetland Scientists Annual Meeting* (June 2017); San Juan, Puerto Rico. **Poster.**

A. Boyd, C. Schweitzer, B. Stevens. Size distribution of black sea bass at artificial and natural reefs. *Association for the Sciences of Limnology and Oceanography* (February 2017); Honolulu, Hawaii. **Poster.**

A. Boyd, C. Schweitzer, B. Stevens. Size distribution of black sea bass at artificial and natural reefs. *Annual University of Maryland Easter Shore REU Symposium* (August 2016); Princess Anne, MD. **Poster and Oral.**

A. Boyd, C. Gallagher, B. Evans, E. Sullivan, C. Olson, N. Szlamnik, D. Mann, C. Stallings, and P. Simard. Does habitat association of dolphins differ between artificial and natural reefs. *9th Annual Eckerd College Student Research Symposium* (April 2017); St. Petersburg, FL. **Poster.**



Organized Conferences & Symposium

2020 Society of Wetland Scientists Student Section Virtual Conference (2-day)

Organized Workshops

2020 Maximizing Your 2020 Meeting Experience: Orientation and Networking for Student Attendees, *Ecological Society of America*

2019 Non-Traditional Postdocs: A Panel Discussion on Interdisciplinary Postdoc Opportunities, *Ecological Society of America*

2019 The Gap Year: All You Need to Know About Taking A Gap Year, *Ecological Society of America*

2019 Maximizing Your 2019 Meeting Experience: Orientation and Networking for Student Attendees, *Ecological Society of America*

2017 Resources for Students in the Natural and Aquatic Sciences, *Society of Wetland Scientists*

Organized Special Sessions & Mixers

2020 Opportunity Fair, *Society of Wetland Scientist Student Section Virtual Conference*

2020 Student Networking: Tips for making productive connections at ESA 2020!, *Ecological Society of America*

2020 COVID-19: Impacts on Education from a Student Perspective, *Ecological Society of America*

2020 Student Section Mixer, *Ecological Society of America*

2019 Student Networking: Tips for making productive connections at ESA 2019!, *Ecological Society of America*

2019 Student Section Mixer, *Ecological Society of America*

PROFESSIONAL ACTIVITIES

2021-Current Board of Directors, Black Women in Ecology, Evolution, and Marine Science

2021-Current Committee Chair, Black Women in Ecology, Evolution, and Marine Science Professional Development Committee

2021-Current Early Career Liaison, National Academies of Sciences, Engineering, and Medicine's U.S. National Committee for United Nation Decade of Ocean Science for Sustainable Development

2020-Current Appointed, Ecological Society of America Diversity, Equity, Inclusion and Justice (DEIJ) Taskforce.

2020-Current Member, Durham People's Alliance Environment and Climate Justice



- 2019-Current Committee Member, Ecological Society of America Committee on Diversity and Education
- 2019-2020 Student Section Chair, Ecological Society of America
- 2018-2020 Committee Member, Ecological Society of America Publication Committee
- 2018-2019 Committee Member, Ecological Society of America Meetings Committee
- 2018-2019 Student Section Vice-Chair, Ecological Society of America
- 2018-Current Student Section Treasurer and Secretary, Society of Wetland Scientists
- 2018-2019 Committee Member, Coastal and Estuarine Research Federation Broadening Participation Committee
- 2017-2018 President, Eckerd College Student Alumni Ambassadors
- 2017-2018 Student Representative, Natural Sciences (NAS) Collegium Senate
- 2017-2018 Founder and Editor-in-Chief, Feedback Magazine
- 2016 Student Representative, Audubon Florida's 2016 Conservation Leadership Initiative
- 2015-2017 President and Founder, Marine Science Club
- 2015-2017 Committee Member, Eckerd College Environmental Responsibility Committee

EDUCATION AND OUTREACH

Positions

- 2020 Program Coordinator, DUML Community Science Initiative, Durham, NC
- 2019-Current Director of Instruction & Curriculum Development, iNviTECH, Durham, NC
- 2018-Current Program Coordinator, iNviTECH, Durham, NC
- 2019 Curriculum Developer, Neal Middle School, Durham, NC
- 2017-2018 Intern, Duke University Marine Lab Community Science Initiative, Beaufort, NC
- 2015-2016 Community Tutor, Eckerd College Office of Service Learning, St. Petersburg, FL

Invited Presentations

- 2021 **DukeBOOST Program**, Durham N.C.
Topic: Pathway to Becoming a Marine Scientists and Elected Official
- 2020 **Charles E. Jordan High School**, Durham N.C.
Topic: Careers in Marine Science

CERTIFICATIONS

- 2018 Nitrox SCUBA Diving Certification, TDI
- 2017 Advanced Open Water SCUBA Diving Certification, SDI
- 2015 Open Water SCUBA Diving Certification, SSI

