

## Lauren Nicole Fraser

lfraser@my.hpu.edu

### ADDRESS

1225 Blakeway St. #904  
Charleston, SC 29492  
843.685.9247

### CAREER INTERESTS

Marine ecology with an emphasis on the impacts of marine debris on tropical ecosystems

### EDUCATION

2012	B.S., Biological Sciences College of Charleston - transferred
2013-2016	B.S., Environmental and Natural Resources - Conservation Biology Clemson University
2016 – Present	M.S. Marine Science Hawaii Pacific University

### RESEARCH AND FIELD EXPERIENCE

Spring 2015 – June 2016      Independent Research with Childress Behavioral Ecology Lab at Clemson University

- Impacts of shelter loss on juvenile Caribbean spiny lobsters
  - Collecting juvenile Caribbean spiny lobsters to perform laboratory behavioral experiments
  - Assisting in acoustic tagging of juvenile Caribbean spiny lobsters to track their movement
  - Care and maintenance of animals in captivity
  - Behavioral odor trials
- Parrotfish territoriality in the middle Florida Keys
  - Designing and conducting field experiments to map sizes of multiple species of parrotfish's territory
  - Conducting parrotfish density surveys on coral reefs
  - Recording parrotfish behavioral observations
  - Estimating substrate composition using Coral Point Count with Excel extensions
  - Analyzing changes in coral cover using ImageJ

- Observing surgical implantation of acoustic tags in parrotfish
- Monitoring water quality
- Small boat operation

Summer 2014

Botany Bay Turtle Team

- Volunteer research assistant monitoring sea turtle nests on Edisto Island
  - Locating 200+ turtle nests
  - Analyzing nest conditions
  - Counting eggs
  - Recording predation and hatch dates

2011-2012

South Carolina Aquarium

- Volunteer exhibit guide for aquarium in Charleston, SC
  - Handling and feeding aquatic invertebrates and stingrays
  - Facilitating education programs for children on marine conservation
  - Maintaining health of aquariums

**PRESENTATIONS**

2016

**Fraser, L.** 2016. Stay off my lawn: Territoriality in Caribbean Parrotfish Species. Southeastern Ecology and Evolution Conference, Tallahassee, FL. (oral presentation).

2016

**Fraser, L.** 2016. Stay off my lawn: Territoriality and social structure differences in two species of reef parrotfish. Clemson Biological Sciences Student Symposium, Clemson, SC. (poster presentation).

2015

**Fraser, L.** 2015. Territoriality in Caribbean Parrotfish Species. Tuesday Science Night at Keys Marine Lab, Islamorada, FL. (oral presentation).

2015

Ehlert, A; **Fraser, L.**; Smith, K. Childress, M. 2015. Are lobsters from disease-free habitats more social? Southeastern Ecology and Evolution Conference, Athens, GA. (poster presentation).

2014

**Fraser, L.**; Mills, D; 2014. Being a hero for your passion. Southeastern EcoReps Conference, Columbia, SC. (oral presentation).

## **AWARDS AND SCHOLARSHIPS**

2016	Undergraduate Student Research Poster – CBASS Third Place
2015	Southeastern Sierra Club’s Student Environmental Excellence Award
2015	Clemson University Resident Assistant of the Year
2014	NACURH Inc.’s International Resident Assistant of the Month
2014	Clemson University Dean’s List
2013	Clemson University Dean’s List
2012	Harry Hampton Wildlife Scholarship
2012	South Carolina Life Scholarship

## **PROFESSIONAL ACTIVITIES**

2015	Advanced Open Water Diver, Scuba Schools International, 210 dives
2010 - Present	Pelican’s Belly, Non-profit organization Founder, Myrtle Beach, SC
2013 – Present	Clemson University EcoReps, President, Clemson, SC
2014 – Present	Leading for our Environment And Future, Resident Assistant, Clemson, SC
2012 – Present	Earth Day Planning Committee
2014	Air and Earth, surf instructor, Charleston, SC
2014	Student Government Sustainability Committee, Clemson, SC
2013	Women’s Surf Style Magazine, writing intern, Honolulu, HI

## **SOCIETIES AND MEMBERSHIPS**

2014 – Present	Sierra Club, student member
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## **COURSE WORK**

2012 – Present	Conservation of Marine Resources Creative Inquiry, Ecology, Statistics, Geographic Information Systems, Behavioral Ecology, Field Measurements, Restoration Ecology, Conservation Biology, Calculus, Organic Chemistry, Genetics
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## **VOLUNTEER EXPERIENCE**

2006 – Present	Pelican’s Belly, beach clean-ups
2009 – Present	Surfrider, beach clean-ups
2012 – Present	Seneca Treehouse Project, sustainable building and lake clean-ups