

# Christian Walker

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## Education:

- PhD Student in Oceanography and Coastal Science | Louisiana State University Jan 2021 – Present  
*Dissertation:* Fish Flow – Movement Ecology of four fishes within the Lower Mississippi River Basin  
*Advisor:* Dr. Michael Dance
- BS in Biology | Bob Jones University Sep 2014 – May 2018  
*Undergraduate Research:* Crop responses to biochar soil amendment  
*Advisor:* Dr. Vincenzo Antignani

## Research Experience:

- Graduate Research Assistant | Louisiana State University Jan 2021 – Present  
*PI:* Dr. Michael Dance  
*Focus:* Fish Movement Ecology
- Research Intern | University of South Alabama / Dauphin Island Sea Lab Mar – Dec 2020  
*PI:* Dr. Sean Powers  
*Focus:* Fisheries Ecology
- Research Technician | North Carolina State University Feb – Jul 2019  
*PI:* Dr. Ben Reading; Dr. Jesse Fischer  
*Focus:* Striped Bass Reproductive Physiology
- Research Technician | Texas A&M University May – Oct 2018  
*PI:* Dr. Charles Randklev  
*Focus:* Freshwater Mussel Distribution, Abundance, and Genetics
- Intern | Greenville Zoo Jan – May 2017  
*Focus:* Animal Husbandry and Enrichment
- Intern | Walhalla State Fish Hatchery (SCDNR) May – Oct 2016  
*PI:* Scott Poore  
*Focus:* Broodstock and Juvenile Diets
- Research Intern | Permamatrix May – Dec 2016  
*PI:* Dr. Vincenzo Antignani  
*Focus:* Biochar Soil Amendment Efficacy

## Publications:

1. Carver J, Falterman B, Midway S, **Walker C**, Branham C, and Dance M. *In Review*. Reef fish movement and community assemblages associated with a newly deployed artificial reef. *Ecosphere*. 00:00-000 *In Press*

## Presentations:

1. Walker C, Maxwell R, Bourgeois R, Dance M (2024) Invasive Carp Movement Project Update. LA Invasive Carp All Hands Meeting. Oral.
2. Walker C and Dance M. (2024) Tarpon Movements from Louisiana. Grand Isle Tarpon Club Annual Meeting. Houma, LA. Oral
3. Walker C, Baer A, Kimmel K, LeBlanc L, Constant G, Andres M, Dance M (2024) Fine-scale Movement Patterns of Gulf Sturgeon along the Northshore of Lake Pontchartrain. Louisiana AFS Conference. Thibodaux, LA. Oral
4. Walker MM, Cagle P, Walker C, Lively J (2024) Long live: characterization of derelict crab traps in coastal Louisiana. Louisiana AFS Conference. Thibodaux, LA. Oral

5. Walker MM, Walker C, Lively J (2024) Characterization of Derelict Crab Traps in Coastal Louisiana. Benthic Ecology Meeting, Charleston, SC. Oral
6. Walker C, Maxwell R, Bourgeois R, Dance M (2024) Bayou Behavior: Invasive Carp Movements in Louisiana. Southern Division AFS. Oral
7. Beane L, Walker C, Dance M (2023) Habitat Characteristics as Predictors of Carp Abundance. Oral
8. Walker C, Maxwell R, Bourgeois R, Dance M (2023) Coastal Carp: Exploring Invasive Carp Movement in Southern Louisiana. LA Invasive Carp All Hands Meeting. Oral
9. Walker C, Dance M (2023) Geaux Fish: Studying Fish Movement in Louisiana. LSU Aquaculture and Fisheries Club. Oral
10. Walker C, Maxwell R, Bourgeois R, Dance M (2022) Tracking Large-scale Movement of Invasive Carp in Louisiana. Gulf and South Atlantic States Regional Panel on Aquatic Invasive Species, Fall 2022 Meeting, New Orleans, LA. Oral
11. Walker C, Maxwell R, Bourgeois R, Dance M (2022) Movement Patterns of Invasive Carp in Coastal Louisiana. National AFS Conference, Spokane, WA. Oral
12. Walker C, Maxwell R, Bourgeois R, Dance M (2022) Silver Carp Movement in Southern Louisiana. Louisiana AFS Conference, Thibodaux, LA. Poster

#### **Outreach, Volunteering, and Community Education:**

<i>Ocean Educator</i> , Ocean Commotion (LA SeaGrant)	2024
<i>Visiting Scientist</i> , Gulf Reef Fish Abundance Monitoring – Leg 3 (NOAA)	2022
<i>Panelist</i> , Coast and Environment Graduate Organization (LSU)	2021
<i>Research Sampler</i> , Mississippi Gulf Coast Billfish Classic	2021
<i>Panelist</i> , Collegiate Biology Association (BJU)	2021
<i>Research Sampler</i> , Alabama Deep Sea Fishing Rodeo	2020
<i>Prospective STEM Student Tour Leader</i> (BJU)	2017-2018
<i>Tour Leader</i> , Walhalla State Fish Hatchery (SCDNR)	2016
<i>Member</i> , Academic Integrity Committee (BJU)	2018
<i>Group Leader</i> , High School STEM Camp (IEEE)	2016
<i>Member</i> , Intercollegiate Soccer (BJU)	2014-2015
<i>Vice President</i> , AΩΔ Literary Society	2016-2018
<i>Community Outreach Director</i> , AΩΔ Literary Society	2015

#### **Awards and Honors:**

LSU CCE Endowment for Excellence Academic Scholarship (\$2000)	2024
1 <sup>st</sup> Place, Best Presentation – Louisiana AFS Conference	2023
1 <sup>st</sup> Place, Best Poster – Louisiana AFS Conference	2022

#### **Press/Media Appearances:**

Maxwell, R., Bourgeois, R. “Unwelcome Visitors: Invasive Carp Species a Major Concern for Louisiana Waterways” LA Conservationist, Fall 2021, pp. 16-18	2021
“Shark Beach: Gulf Coast” National Geographic, produced by Nutopia	2024

#### **Student Mentorship:**

Edward Wang	“Reviewing Microplastic Accumulation in Eastern Oysters”	2024
Logan Beane	“Habitat Characteristics as Predictors of Carp Abundance”	2023