

Wilke Coleman, MS  
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The Water Institute  
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## **EDUCATION**

University of New Orleans	New Orleans, LA	Earth & Environmental Sciences	MS, 2024
University of New Orleans	New Orleans, LA	Coastal Sciences Certificate	2023
University of New Orleans	New Orleans, LA	Music Studies BA, Earth & Environmental Sciences Minor	BS, 2020

## **RESEARCH INTERESTS**

Coastal geomorphology, sand resource identification, shallow deltaic stratigraphy, and holistic sediment management.

## **PROFESSIONAL EXPERIENCE**

The Water Institute	Research Assistant, Applied Geosciences	2023–Present
University of New Orleans	Teaching Assistant & Research Associate	2021–2024

## **PROFESSIONAL SOCIETY MEMBERSHIPS**

- American Geophysical Union, 2023–2024

## **AWARDS AND HONORS**

- Olga Braunstein Scholarship, 2023
- Richard W. Boebel Graduate Scholarship, 2022
- William W. Craig Memorial Scholarship, 2022
- Geology & Geophysics Research Fund

## **TEACHING EXPERIENCE**

Teaching Assistant, University of New Orleans, Courses: Structural Geology, Principles of Stratigraphy, Earth & Environment Through Time, Paleontology, Mineralogy (2021–2024).

## **COMMUNITY SERVICE**

Teaching Responsible Earth Education (T.R.E.E.)      University of New Orleans, Dept. Of Earth & Environmental Sciences      2021 & 2022

## **TRAINING COURSES**

- Louisiana Boater Safety Certification, 2021

## **NOTABLE PROJECTS**

### **Research, Laboratory, and Fieldwork Assistant/Louisiana Sediment Management Plan**      Current

*The Water Institute, Louisiana Coastal Protection and Restoration Authority*

Collection and physical analysis of vibracores in Barataria Basin and the proximal continental shelf. Correlation of physical sedimentology to features identified in seismic section. Construction of a regional geologic framework to assess the spatial extent and volume of sediment resources suitable for future restoration efforts.

### **Fieldwork Assistant/Terrebonne Basin Barrier Island Project (West Belle Pass)**      2022–2023

*The Water Institute*

Collection of subaqueous sediment samples utilizing a petite ponar grab sampler. Use of handheld GPS to navigate to precise waypoints while piloting a boat.

### **Laboratory Assistant/Reconnaissance Geophysical Sand Search Survey on Sabine Bank, TX**      2022

*University of New Orleans, Ocean Surveys, Inc.*

Physical analysis of vibracores acquired proximal to Sabine Bank, TX. Evaluation of sediment characteristics with supplementary grain size analysis via use of a Malvern Mastersizer. Results aid in determining sediment resource allocation suitable for renourishment efforts.

### **Fieldwork Assistant/ BICM 2 Shoreline Assessment Headland Sampling**      2021

*University of New Orleans, Pontchartrain Institute*

Collection of subaerial sediment samples using a handheld GPS to locate precise waypoints. Collection of subaqueous sediment samples utilizing a petite ponar sampler. Use of a handheld GPS to navigate to precise waypoints while piloting a boat.