

Isabella N. Svoboda

Ph.D. Student, Graduate Research and Teaching Assistant
Texas A&M University at Galveston
200 Seawolf Parkway | Galveston, TX 77554
214-686-2681 | isabella.svoboda@tamu.edu

EDUCATION

Ph.D. Student, Marine and Coastal Management and Science

August 2023 - Current

Texas A&M University at Galveston | Galveston, Texas

B.S., Geology, Minor in Oceanography

August 2019 - December 2022

Texas A&M University | College Station, Texas

RESEARCH INTERESTS

Paleoclimatology | Paleoceanography | Micropaleontology | Coastal Resilience Studies | Hurricanes

Publications and Presentations

Neely, S., Svoboda, I., Siddall, A., and Raymond, A., "Microplastics in a Post-Hurricane Peat Deposit, Long Key, Florida", *2022 Geological Society of America Abstracts with Programs*, 54(4).

<https://doi.org/10.1130/abs/2022NC-375741>

"Microplastics in a Post-Hurricane Peat Deposit, Long Key, Florida", poster presentation,

Isabella Svoboda¹, Ashlee Siddall, Samuel H. Neely, 2022 Ecological Integration Symposium, College Station TX

¹Department of Geology and Geophysics, Texas A&M University

<https://eeb.tamu.edu/files/2022/04/EIS-Program.pdf>, pg. 37

RESEARCH EXPERIENCE

Graduate Research Assistant | Texas A&M University at Galveston

Advisor: Professor Pete van Hengstum, Dept. of Marine and Coastal Environmental Science

May 2024 - Current

- Assisted with preparation of core samples used to create high-resolution hurricane reconstructions on the West Florida Shelf along with SST and salinity variability during the Common Era.
 - Processed core samples for Grain Size Analysis
 - Prepared core samples for Gamma Ray Spectrometry (e.g. Cs-137, Lead-210)

Undergraduate Research Assistant | IODP (International Ocean Discovery Program) | Texas A&M University

Research Assistant for Dr. Carlos Zarikian

September 2022 – May 2023

- Prepared core samples used to characterize the Late Miocene through Pliocene ostracod assemblage at IODP Site U1541 in the central South Pacific.
 - Washed core samples
 - Separated microfossils (ostracods) from core samples
 - Prepared slides for microscope analysis

Undergraduate Research Assistant | Texas A&M University

Research Assistant for PhD candidate Samuel Neely and Dr. Anne Raymond

September 2021 - May 2022

- Prepared samples and performed microscope analysis used to research the occurrence and distribution of microplastics in a sediment core of a post-hurricane peat deposit.
 - Sieved and dried peat samples
 - Isolated microplastics and performed microscopic analysis
- Assisted in preparation and presentation of a research poster for 2022 (EIS) Ecological Integration Symposium (see details in **Publications and Presentations**)

TEACHING EXPERIENCE

Graduate Teaching Assistant | Texas A&M University at Galveston

Lab Teaching Assistant for Dr. Chris Smith (MARS 102)

August 2024 - Present

Lab Teaching Assistant for Dr. Pete van Hengstum (MARS 102)

August 2023 - May 2024

- Presented relevant subject material and guided undergraduate students through laboratory exercises
- Taught undergraduate students the basics of using R
- Proctored and graded undergraduate exams and weekly lab assignments

Undergraduate Teaching Assistant | Texas A&M University

Lab Assistant for Dr. Christina Belanger (GEOL 208)

September 2022 - December 2022

Lab Assistant for Graduate TA Maria Gutierrez (GEOL 152)

January 2022 - May 2022

- Assisted with lab setup
- Answered student questions during lab
- Graded lab work in a timely manner

Lecture Assistant for Graduate TA Michael Martin (GEOL 102)

September 2021 - December 2021

Lecture Assistant for Dr. Anne Raymond (GEOL 152)

January 2020 - April 2020

- Stimulated class participation during on-line lectures and organized students' questions for professor's attention
- Assisted with answering questions from students
- Graded weekly lab work

Counselor for Virtual GeoX | Texas A&M University

June 2020 - July 2020

- Participated in on-line discussions with virtual "campers" in the Geosciences Exploration Summer Program

PROFESSIONAL AFFILIATIONS

- Member of AGU, the American Geophysical Union
- Member of AIPG, the American Institute of Professional Geologists