

Sydney Crockett

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Education

Arizona State University – Polytechnic, Mesa, AZ May 2024

M.S. in Environmental and Resource Management – Concentration in Water Management

- Coursework included: Water/Wastewater Treatment Technology, Soils and Groundwater Contamination, Water Law and Policy, Environmental Chemistry
- Year-long Water Management Certificate Program which ended in a Water Management Certificate from the Agribusiness and Water Council of Arizona

Beloit College, Beloit, WI May 2021

B.S. in Environmental Geology

- Coursework included: Hydrogeology, Environmental Geology and Geologic Hazards, IDST app/Geographic Info Systems, Field Geology
- Thesis: How the Decline and Recovery of Wild Rice Biomass is Linked to Sulfate

Professional Experience

Part-Time Research Associate- Energy Resource Advisors, Denver, CO Sept. 2025-Present

- Analyzing helium gas production in the Paradox Basin fields through different state and company reports
- Compiling helium information into easy-to-understand reports to better understand production in the Paradox Basin

Summer Researcher- National Science Foundation, Virtual June- Aug. 2020

- Analyzed data from tribal manoomin (rice) samples to present on the impacts of sulfates on biomass for cultural and tribal food practices
- Collaborated with researchers across the country to further our understanding of the environmental factors of sulfates on manoomin
- Interpreted study results to compare findings to established data and lab sulfate control limits
- Utilized MS Excel and ArcGIS techniques to identify trends within large multi-year datasets

Other Experience and Certificates

Part-Time Instructor- Mad Science, Denver, CO Sept. 2025-Present

- Manage educational STEAM activities for up to 20 elementary-aged children

Camp Counselor- YMCA, Jefferson City, MO Summers 2017-2024

- Successfully navigated challenging camper behavior to assure a positive experience for sixty campers
- Managed team building activities and fun learning experiences to develop collaboration and social skills for the camper's continued education
- Ensured YMCA safety protocols were followed by campers in high injury areas and emergencies
- Communicated daily with campers, colleagues, and parents for 8 summers to support dynamic programming
- Trained 10 Counselors-In Training annually to ensure proper camp coverage and continuity

40-hour HAZWOPER Training Certificate- Hazardous Waste Operations and Emergency Response training to protect workers from the exposure of hazardous materials during handling and cleanup

IS-100.c: Introduction to the Incident Command System Certificate- Standardized management system for effective and efficient management of incidents and planned events

CPR/AED/First-aid Certificate