

Cade Capper

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EDUCATION

The Ohio State University, Columbus, OH 43210

May 2023

B.S. in Environment and Natural Resources | Minor in Geographic Information Systems

WORK EXPERIENCE

Iowa State University, Ames, IA

March 2024 – October 2024

Bird and Wildlife Field Technician

- Conducted bird point counts and butterfly surveys to collect data on species presence and abundance
- Conducted encounter surveys of herpetofauna, odonates, and mammals
- Surveyed physical terrestrial habitat and vegetation, identifying trees and herbaceous plants
- Set small mammal traps, aquatic traps, and camera traps to collect data on species presence
- Safely handled wildlife specimens caught in traps and by hand

EnviroScience, Inc, Stow, OH

March 2023 - November 2023

Aquatic Biology Field Technician

- National Aquatic Resources Project
 - Conducted stream quality evaluations by collecting water samples, macroinvertebrates, and physical habitat data from streams
 - Utilized GIS and mapping software to lay out stream project sites
 - Took initiative to fill other duties as needed
- Assisted with wetland delineations and ecological surveys, including endangered bat and mussel surveys
- Performed laboratory ecotoxicity tests utilizing EPA-designated fish and invertebrate species

MAD Scientist, LLC, Columbus, OH

May 2022 - September 2022

Intern

- Contributed to large-scale ecological restoration project involving planting over 1000 trees and shrubs
- Assisted with wetland delineations and assessments, including ORAM, VIBI, FQAI, and QHEI
- Conducted threatened and endangered species surveys, including bats and mussels
- Contributed to project technical reports to provide the highest quality deliverables for our clients
- Facilitated community education events on wetlands and their ecological importance

RESEARCH PROJECTS

Bioretention cells as reproductive habitat for monarch butterflies in urban areas, The Ohio State University

May 2020 - May 2023

Student Researcher

- Designed research study to investigate whether bioretention cells can provide suitable habitat for monarch caterpillars in urban settings
- Collected and analyzed data on monarch oviposition in bioretention cells and control sites
- Awarded a grant from the Sustainability Institute at Ohio State to fund this research
- Presented results at American Ecological Engineering Society Conference in Tampa, Florida in June 2023

SKILLS

- Identification of birds, butterflies, mammals, herpetofauna, and plants
- Experience safely handling wildlife in the field
- Wildlife field surveys, including bird point counts, butterfly tagging, animal trapping, and habitat surveys
- Wetland and stream delineation, assessment, and monitoring
- Using GIS (ArcGIS Pro and QGIS) to plot survey sites
- Navigating using GPS and paper maps
- Data entry, management, and analysis (R, Python, Microsoft Access)
- Technical report writing and grant application writing
- Preparing and presenting slideshow presentations about my work and projects