

Baylee Moyer

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EDUCATION

TEXAS TECH UNIVERSITY

Lubbock, TX

Master of Science, Wildlife, Aquatic, and Wildlands Science and Management

2025-Present

SOUTHERN UTAH UNIVERSITY

Cedar City, UT

Bachelor of Science, Biology

Minor in Outdoor Recreation in Parks and Tourism

2018-2022

EXPERIENCE

USGS Desert Amphibian Survey Technician

Clark County, NV; adjacent areas in AZ and UT

(Hired through University of Montana as a GS-6 equivalent) - 40 hours per week

April 29, 2025 - July 11, 2025

- Support a U.S. Geological Survey-led project monitoring the distribution of Arizona toads (*Anaxyrus microscaphus*) and other amphibians in Clark County and surrounding areas
- Conduct visual encounter surveys and eDNA sampling in remote desert environments to evaluate current presence and reintroduction potential
- Collect buccal swabs from Arizona toads, Woodhouse's toads (*Anaxyrus woodhousii*), and Red-Spotted toads (*Anaxyrus punctatus*) for genetic testing and population monitoring
- Navigate to field sites using 4WD vehicles, GPS units and maps; operate safely and efficiently on unmaintained roads
- Perform daily QA/QC of field data and ensure accurate data entry and sample tracking

Utah Prairie Dog Crew Lead (Wildlife Technician II)

Cedar City, UT

Utah Division of Wildlife Resources - 40+ hours per week

March 18, 2024 - October 4, 2024

- Trapped, collected biological data (weight, sex, age), ear-tagged and translocated federally threatened Utah prairie dogs (*Cynomys parvidens*) (UPD)
- Co-led a team of 10 technicians, collaborating with another lead and state biologists to effectively coordinate tasks and ensure efficient team performance; managed vehicle assignments by ensuring cleanliness and scheduling maintenance; oversaw and kept inventory of supplies; managed translocation schedule for technicians
- Performed annual spring count surveys of mapped UPD colonies via binoculars; utilized ArcGIS Field Maps and Survey123 to navigate and input collected data
- Performed emergency first-aid for UPDs, including administering subcutaneous fluid and subsequent care for hyper- and hypothermic conditions
- Completed UPD habitat development surveys via burrow survey transects, using GPS units to accurately mark active burrows
- Assisted in installation of translocation sites for UPDs, including preparation of materials and operation of a skid steer under limited supervision

Utah Prairie Dog Technician (Wildlife Technician II)

Cedar City, UT

Utah Division of Wildlife Resources - 40+ hours per week

June 10, 2023 - October 6, 2023

- Trapped, collected biological data (weight, sex, age), ear-tagged and translocated threatened Utah prairie dogs (*Cynomys parvidens*) (UPD)
- Identified active burrows to trap at or apply Deltamethrin dust for sylvatic plague management
- Navigated remote locations via OnX and ArcGIS Field Maps, used 4-wheel drive to access rugged roads
- Applied Deltamethrin dust to active UPD burrows for plague management at protected colony sites
- Surveyed for the presence of State-sensitive American pika (*Ochotona princeps*) in southwest Utah
- Deployed mist nets to capture, identify, and record morphometric measures to monitor bat species diversity in southwest Utah

Desert Tortoise Monitoring Technician (Wildlife Technician II)

Hurricane, UT

Utah Division of Wildlife Resources - 40+ hours per week

April 3, 2023 - June 9, 2023

- Conducted surveys for federally threatened Mojave desert tortoises (*Gopherus agassizii*) in the Red Cliffs National Conservation Area using the line distance sampling method; hiked 8+ miles per day through rugged terrain in extreme temperatures and harsh weather conditions; utilized handheld GPS units and compasses to locate transect sites
- Used VHF radio telemetry equipment to monitor surface activity of desert tortoises; collected and recorded biological data with accuracy; compiled and entered data into Excel spreadsheets
- Processed and assessed health of tortoises via shell filing and visual assessment for disease symptoms
- Responded to urban wildlife issues, public outreach regarding wildlife education, and relocated nuisance native wildlife as appropriate
- Surveyed native and non-native fish distribution in the Virgin River using seine netting techniques

Residential Manager

Cedar City, UT

Chrysalis - 40+ hours per week

August 3, 2019 - April 1, 2023

- Oversaw day-to-day operation of residential program serving clients with disabilities to comply with state regulations and standards; reviewed and monitored program data collection
- Instructed, supervised, and regularly evaluated team of 10+ staff, including facilitating regular meetings to improve resident care and reach team objectives; prepared work schedule and reviewed time cards
- Assisted clients with daily living skills and activities, ensuring their medical, financial, and recreational needs were met; attended quarterly meetings with clients, clients' families, and state officials; responded to emergency situations as needed; wrote monthly progress reports to be reviewed by clients' support teams

Public Lands Field Assistant

Cedar City, UT

Southern Utah University - 30+ hours per week

June 7, 2021 - September 13, 2021

- Surveyed for native plants across land administered by the Bureau of Land Management (BLM) to collect seeds for habitat restoration; navigated to remote field sites via ArcGIS, 4WD vehicles and hiking
- Collected and processed voucher specimens with lead botanist; collected native seed to be stored in regional herbaria and leaf tissue for genetic research; performed taxonomic identification
- Used ArcGIS Field Maps and Survey123 applications to collect and upload data

SKILLS

- Wildlife trapping, handling, and biological data collection
- Animal first aid care, including subcutaneous fluid administration
- ArcGIS Field Maps, Survey123, OnX
- Radio telemetry
- 4WD in poor weather conditions
- Navigation via handheld GPS units and compass/maps
- Team leadership and management
- Wildlife & habitat surveys, including Line Distance Sampling (LDS) transect surveys and habitat development surveys
- eDNA sampling and buccal swabbing for genetic monitoring
- Species & plant identification
- Extensive binocular experience

CERTIFICATIONS

CPR/First Aid/AED Certification

AdventureMed - Springdale, UT

April 2025

Wilderness First Aid Certification

AdventureMed - Springdale, UT

April 2025

Section 7 Utah Prairie Dog Survey Training Certification

USFWS - Cedar City, UT

June 2024