

NAME

2226 W. Main St. Apartment C • Fort Collins, Colorado 80521 • (303) 555-1234 • name@gmail.com

Education

Colorado State University, Fort Collins, Colorado

Graduation: December 2010

Bachelor of Science in Wildlife Biology, Warner College of Natural Resources

Centaurus High School, Lafayette, Colorado

May 2006

Natural Resource Field and Work Experience

U.S. Geological Survey – Forest & Rangeland Ecosystem Science Center

June 7, 2010 – August 13, 2010

3200 SW Jefferson Way, Corvallis, Oregon 97331

\$15.00 / hour

Supervisory Research Ecologist: Michael J. Adams mjadams@usgs.gov

Biological Science Technician – approximately 40+ hours per week

- Assisted in a study examining factors affecting the persistence of the Oregon spotted frog (*Rana pretiosa*)
- Documented basic attributes of a survey site through mapping, GPS, photographic records, and visual observation
- Performed visual encounter surveys by walking the entire perimeter of a site and using dip-nets to both flush amphibians as well as capture them in random sweeps
- Identified all life stages of a variety of local amphibians, specifically the Oregon spotted frog (*Rana pretiosa*), as well as other taxa in the area (fish, invertebrates, reptiles, avifauna etc.)
- Characterized the habitat of each survey site as it relates to the spotted frog using plot-based and whole-site protocol – including dominant vegetation, presence of invasives, shading, cover, % forest, water level, etc.
- Recorded pertinent survey information in daily field notes
- Spent 3-5 days at a time in the field every week – both car camping and backpacking – that often included long off-trail hikes, carrying of heavy equipment, working days in excess of 10-13 hours, as well as working in humid, hot, and rainy conditions

Hoover Retrovirus and Prion Laboratory

May 2009 – May 2010

Colorado State University, Fort Collins, Colorado 80521

\$8.00 / hour

Supervisor: Jeanette Hayes-Klug Jeanette.Hayes-Klug@colostate.edu

Lab Technician – approximately 10-18 hours per week

- Provided basic care for animals (deer, cats, mice, voles) being used in feline immunodeficiency virus (FIV) and chronic wasting disease (CWD) research, including cleaning cages, food preparation, feeding, observation, interaction, and enrichment
- Aided researchers in taking samples (blood, milk, saliva, etc.)
- Assisted in basic upkeep of the laboratory

Wildkind: Larimer County Humane Society

September 2009 – February 2010

6317 Kyle Avenue, Fort Collins, Colorado 80525

Supervisor: Bob Nightwalker 970-226-3647 ext. 322

Volunteer Position – approximately 3 hours per week

- Provided basic care for injured/orphaned wildlife (i.e. squirrels, raccoons, bats, foxes, birds, and coyotes). Including cage cleaning, food preparation, and observation
- Hand fed animals that were too young, sick, or injured to feed themselves
- Assisted public in retrieving injured/orphaned wildlife
- Informed public about laws concerning wildlife and educated them on proper behavior for coexisting with wildlife

Bighorn Sheep Capture and Relocation – Colorado Division of Wildlife

January 8, 2010

Centennial Cone Park – Jefferson County Open Space

Supervisor: Dan Walsh 970-472-4318

Volunteer – one day event

- Assisted CDOW employees in processing bighorn sheep captured by netguns and transported by helicopter
- Collected blood samples, performed cheek swabs, administered calming medication, evaluated body condition, and performed ultrasounds; recorded data of the above measurements
- Monitored vital signs of captured bighorn sheep to keep stress as minimal as possible

Wildland Awareness and Educational Institute

October 24-25, 2009

P.O. Box 732, Indian Hills, CO 80454

Executive Director: Susanne Roller 303-697-2800

Participant - Outdoor Field Skills Workshop at Peaceful Valley Ranch

- Gained skills in haltering, leading, and tying horses, equipment safety, horse care, and riding basics in an Introduction to Horses course
- Identified and deciphered tracks and signs of common Colorado wildlife, followed blood trails, recognized and interpreted certain vocalizations of common Colorado wildlife, and applied this knowledge to wildlife management in a Wildlife Tracking and Calling course
- Learned to identify and appropriately use various plants found in the Colorado Rockies for medicinal, survival, and culinary purposes in a Medicinal and Edible Plants course
- Taught to employ current techniques for creating or improving wildlife habitat (such as weed control) and to evaluate an area for habitat needs based on desired results in a Building Wildlife Habitats course

Owl Mistnetting – Cameron Pass, Colorado

October 19, 2009

Supervisor: Jesse Barber, Postdoctoral Research Associate, Colorado State University - Dept. of Fish, Wildlife and Conservation Biology, Natural Sounds Program Jesse.Barber@colostate.edu

Volunteer Research Assistant – one night event

- Accompanied Dr. Barber in locating two potential flyways for both Saw-Whet and Boreal owls near Cameron Pass, Colorado
- Assisted Dr. Barber in setting up mistnets and sound broadcasting systems to play back territorial calls of the Saw-Whet and Boreal owls
- Monitored both mistnets throughout the entirety of the night

The Rocky Mountain Raptor Program (RMRP)

September 2006 – July 2009

720 B East Vine Drive, Fort Collins, Colorado 80524

Education Director: Carin Avila 970-484-7756

Volunteer Position – approximately 6 hours per week

- Provided basic care for injured raptors including cage cleaning, food preparation, and observation
- Aided in general maintenance and upkeep at the center, such as organization and cleaning
- Instructed and trained new volunteers on policies and procedures
- Examined injured birds and learned how to care for various health concerns including the administration of medicines and bandaging of wings and legs
- Educated the public on the importance of environmental conservation, specific raptor information, as well as information on the RMRP
- Handled all educational ambassador birds with the exception of eagles and special handling birds including providing standard medical care, performing monthly physicals, performing enrichment tasks, and working with the birds at public functions
- Achieved levels H (Husbandry), E1 (Educational), S (Medical Support), and C (Medical Catching)

Relevant Coursework

Integrated Ecosystem Management

January – May 2010

Colorado State University, Fort Collins, Colorado

- Developed an understanding of ecosystem complexity, human dimensions of ecosystem management, and a knowledge of land conservation tools and land management planning techniques
- Designed an adaptive management plan focusing on the management of invasive plant species for the North Fork of the Cache la Poudre watershed, including a resilience assessment of the area, a scientific experimental management strategy, stakeholder analysis, and a social impact assessment.

Wildlife Data Collection and Analysis

August - December 2009

Colorado State University, Fort Collins, Colorado

- Implemented data collection techniques including mark and recapture, line transects, and distance sampling
- Prepared population models that included open and closed populations, demographic and environmental stochasticity
- Created written reports that included an analysis of results and management recommendations
- Used the following software applications: CAPTURE, DISTANCE, MARK, Excel, and Word
- Utilized multiple statistical models including ANOVA, t-tests, regression (linear and logistic), and chi-square
- Operated radio telemetry equipment

Geospatial Applications in Natural Resources

August – December 2009

Colorado State University, Fort Collins, Colorado

- Developed a foundation in the geospatial science disciplines of Global Positioning Systems (GPS), Geographic Information Systems (GIS), and remote sensing (RS) as they apply to the field of natural resources
- Created relevant maps using ArcGIS version 9.3 to help solve natural resource “story problems”
- Constructed a “story problem” and an accompanying map that located ideal spots based on a set of criteria for mistnetting boreal and saw-whet owls in the Cameron Pass area

Design of Fish and Wildlife Projects

January – May 2009

Colorado State University, Fort Collins, Colorado

- Learned general principles of conducting scientific research in fishery and wildlife biology
- Drafted a research proposal on the effects of wind farms in bat populations and potential ways to mitigate the risk presented to bats by the turbines
- Designed an experiment for the above research proposal
- Presented the above proposal and experiment to peers

Natural Resource Ecology and Measurements

July 2008

Colorado State University, Pingree Park Campus, Fort Collins, Colorado

- Identified over 60 species of plants, fish, and wildlife native to the Rocky Mountain area
- Collected watershed and stream measurements
- Analyzed forest and range conditions
- Conducted ecosystem analysis of mountain shrub, ponderosa pine/aspen, lodgepole pine, spruce-fir, and alpine communities
- Sampled, interpreted, and provided written management recommendations for each community mentioned above
- Gained sampling experience in mark and recapture, lines transects, and the use of indices

Relevant Skills, Information, and Certifications

- **Certifications:** American Red Cross Adult CPR, AED, and First Aid
- Worked on a few projects with Wildland Restoration Volunteers helping with trail building, trail deconstruction, and riparian restoration projects
- Own and operate a manual 4WD personal vehicle and often drive in inclement mountain conditions
- 10+ years experience in backpacking and camping skills within primitive areas
- Knowledgeable in backcountry navigation using compass, maps, and GPS
- Avid outdoor enthusiast finding great enjoyment in photography, skiing, hiking, snowshoeing, and fly fishing
- **Member:** CSU Student Chapter of the Wildlife Disease Association August 2010 - Present
- **Member:** CSU Student Chapter of the Wildlife Society August 2009 - Present
- **Member:** CSU Student Chapter of the Society for Conservation Biology August 2009 - Present