

Summary. Dedicated to collecting, managing, analyzing, and disseminating ecological data to inform management decisions for at-risk amphibians. Cumulative 36 months of field work in mountain lakes, desert, riparian corridor, and rainforest stream ecosystems. Strong leadership in remote backcountry settings while conducting ecological research, guiding groups of at-risk teenagers, or leading trail work volunteers. Proficient with R, ArcGIS, and Microsoft Access. Comfort with microbiology and molecular biology techniques. M.S. in Biology; B.A. in Biology.

Education

- University of Nevada, Reno.** MS Biology 2018 *Master of Science, Biology, August 2016–August 2018.* GPA: 4.0. Thesis: The role of hydroperiod and fluctuating temperature on disease dynamics: a disease ecology approach to understanding Yosemite toad declines.
- Bowdoin College, ME.** BA Biology 2009 *Bachelor of Arts, Major in Biology, Minor in Visual Arts, September 2005–May 2009.* GPA: 3.4.
School for International Training: Botswana: Conservation and Ecology, Spring 2008.

Research Experience

- University of Nevada, Reno.** Estes Park, CO *Research Associate, June 2018–present.* Lead and assist with field and lab data collection, data analysis, and writing of reports and peer-reviewed scientific publications associated with amphibian disease ecology. Field work in New Mexico and Panama includes visual encounter surveys and collection of samples associated with monitoring amphibian disease and immune function. Lab work includes pathogen culture and qPCR.
- University of Nevada, Reno.** Reno, NV *Graduate Research Assistant, June 2017–June 2018.* Studied the role of drying conditions on amphibian disease dynamics in the threatened Yosemite toad and endangered Chiricahua leopard frog. Work involved collecting and transporting amphibian eggs from wild populations, creating and running an amphibian husbandry facility, conducting disease susceptibility trials, and pathogen culture and basic microbiology techniques. Responsible for obtaining state and federal permits and writing reports. Responsible for training and supervising 4 undergraduates.
- University of California, Davis.** Mammoth Lakes, CA *Jr Research Specialist, Nov 2015–Sept 2016.* Collected and managed data to determine relationships between habitat conditions and endangered vole occupancy in the Mojave Desert. Work involved small mammal trapping and retroorbital bleeding, installation and monitoring of piezometers, vegetation surveys, and working independently and as part of a team in extreme environments (32-110°F). In this position, I created a vegetation map from observed and remotely sensed data using R and ArcGIS
- Sierra Nevada Aquatic Research Laboratory (SNARL), UCSB.** Mammoth Lakes, CA *Research Technician, September 2015.* Conducted field work to support recovery of the endangered Yellow-legged frog in Yosemite and Kings Canyon National Parks. Work included backpacking 10-20 miles a day at high elevations with a heavy pack (>50lbs) on and off trail, PIT-tagging and handling frogs, and administering anti-fungal treatments.
- U.S. Geological Survey, WERC, Yosemite Field Station.** Oakhurst, CA *Biological Science Technician, seasonal 2011, 2013–2015.* Field work in alpine, desert, and riparian environments in CA and NV. Select skills include handling, PIT-tagging, radio telemetry, and capture-mark-recapture surveys of endangered Sierra yellow-legged frogs; handling and visual encounter surveys of Yosemite toads, plant identification of Mojave/Sonoran plants on line-point intercept transects and survey plots; navigation with topographic maps, compass, and GPS; ability to work alone and as part of a team in variable and extreme weather conditions, elevation, and terrain.
- University of Maine.** Orono, ME *Scientific Technician, June 2009–May 2010.* Examined the effects of B-glucan exposure on immune recognition and clearance of pathogenic fungus *Candida albicans* in a mouse host and investigated the use of zebrafish for candidemia dissemination models. Work required basic molecular and microbiology techniques, including PCR, pathogen culture, immunohistochemistry, and confocal microscopy.

Leadership and Teaching Experience

- University of Nevada, Reno.** Reno, NV *Teaching Assistant, August 2016–May 2017.* Anatomy Laboratory I and Anatomy Laboratory II.
- Washington Trails Association (WTA),** Seattle, WA *Youth Program Specialist, February 2012–May 2013.* Organized and led one-day and weeklong youth volunteer trail crews throughout Washington State. Responsible for teaching volunteers, managing assistant crew leaders, and providing a safe environment in front- and backcountry wilderness settings; promoting the youth program through outreach, social media, and magazine articles; and working with land managers and community partners to accomplish programmatic goals. In this position, I successfully started the Youth Ambassadors Program, engaging youth volunteers in community outreach.
- Summit Achievement** Stowe, ME *Wilderness Therapy Guide, May 2010–May 2011.* Guiding adolescents through therapeutic growth in both a wilderness and academic setting. Responsibilities include teaching students skills for year-round backcountry camping and travel, and counseling students through therapeutic work surrounding substance abuse, learning disabilities, anxiety, and depression. Team Leader (Dec. 2010–May 2011).

Publications and Presentations

- Lindauer AL, Maier PA and J Voyles (2020)** Daily fluctuating temperatures decrease growth and reproduction rate of a lethal amphibian fungal pathogen in culture. *BMC ecology* 20:1:1-9.
- Lindauer AL and J Voyles (2019)** Out of the frying pan, into the fire? Yosemite Toad (*Anaxyrus canorus*) susceptibility to *Batrachochytrium dendrobatidis* after development under drying conditions. *Herpetological Conservation Biology* 14:185-198.
- Kohli AK, Lindauer AL, Brannelly LA, Ohmer ME, Richards-Zawacki C, Rollins-Smith L, Voyles J (2019)** Disease and the Drying Pond: Examining Possible Links among Drought, Immune Function, and Disease Development in Amphibians. *Physiological and Biochemical Zoology* 92:339-348.
- Lindauer AL, May T, Rios-Sotelo G, Sheets C, and J Voyles (2019)** Quantifying *Batrachochytrium dendrobatidis* and *Batrachochytrium salamandrivorans* viability. *EcoHealth* 23:1-5
- Lindauer AL, May T, McCarty K, and J Voyles. 2020.** Out of the frying pan, into the fire? The effects of hydroperiod and disease on two threatened amphibian species. CO-PARC, Longmont, CO, USA
- Lindauer AL, Haran K, and J Voyles. 2018.** The effect of daily fluctuating temperatures on *Bd* growth and reproduction *in vitro*. Presented at the Amphibian Pathogens Annual Meeting, Tempe, AZ, USA.
- Lindauer AL, May T, McCarty K, and J Voyles. 2017.** Drought and Disease: How do amphibians cope with altered hydroperiod and pathogen exposure?. Presented at the Amphibian Pathogens Annual Meeting, Tempe, AZ, USA.
- Lindauer AL, and J Voyles. 2017.** Drought and Disease: How do Yosemite toads cope with altered hydroperiod and pathogen exposure?. Presented at the Yosemite Toad Recovery Team Meeting, Sacramento, CA, USA.

Awards

2018. Society for Integrative Biology Grant in Aid of Research. (\$1000)
2017. Graduate Student Association Travel Award, University of Nevada, Reno. (\$500).

Relevant Skills and Experience

- Computer skills** Proficient in R, ArcGIS, Microsoft Office, and Adobe suite.
- First Aid** Wilderness First Responder, January 2009–March 2022.
- Winter travel** PSIA Level I Ski Instructor (Crystal Mountain, WA; Mammoth Mountain, CA); AIARE Avalanche Level I.
- Illustrator** Children's book Illustrator. Current contracts with Tumblehome Learning and Baobab Press.
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