

MICHAEL D. MULROY

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EDUCATION

Pomona College, Claremont, CA, May 2010

Bachelor of Arts in Environmental Analysis, Biology Concentration

WORK EXPERIENCE

Crew Leader/Biologist, Channel Islands Restoration, Santa Barbara, CA. Oct. 2018 – Aug. 2019.

Supervisor: Elihu Gevirtz, phone: (805) 448-4175; email: elihu@cirweb.org

- Managed habitat restoration activities at San Marcos Foothills Preserve
- Crew leader and lead bird surveyor, bird and plant surveys in Sierra Madre Potrereros (2019)
- Conducted surveys and mapping of sensitive and invasive plant species in Santa Barbara and Ventura Counties
- Prepared technical documents, including habitat restoration plans
- Carried out habitat restoration, including removal of invasive plant species and propagation/planting of natives from onsite seed sources
- Conducted bird surveys and monitoring in restoration sites
- Coordinated and led volunteer events

Environmental Conservation Volunteer, U.S. PEACE CORPS, Panamá, Feb. 2016 – May 2018.

Supervisor: Francisco Santamaría, phone: +507 317-3326; email: fsantamaria@pa.peacecorps.gov

- Completed 10-week intensive pre-service training in Panamá
- Lived and worked in a small rural community in Panamá for 2 years
- Worked with community groups, counterparts, and Panamanian government agencies to improve community capacity to address local environmental issues
- Coordinator for reforestation projects with community groups, government agencies, and private stakeholders
- Organized and led quarterly community cleanups and waste-management workshops
- Coordinated and provided training in the construction of 25 fuel-efficient wood-burning stoves in the community, improving outcomes in local deforestation and health
- Taught environmental education lessons in Spanish at the local primary school, working with pre-kinder up to 6th grade

Wildlife Biologist, GARCIA AND ASSOCIATES (GANDA), San Francisco, CA. June 2010 – February

2016. Supervisor: Joe Drennan, office phone: (415) 642-8969; email: jed@garciaandassociates.com

- Supervised large-scale construction projects for environmental permit compliance
- Conducted surveys for western burrowing owl, golden eagle, and Swainson's hawk
- Conducted nesting bird surveys and monitoring for Migratory Bird Treaty Act compliance
- Monitored amphibian and salmonid populations for multi-year projects, including redd surveys for coho salmon and steelhead
- Part of a team that conducted population monitoring and surveys for foothill yellow-legged frog for hydroelectric re-licensing projects. Helped compile data and prepare reports analyzing the impacts of river flow management on frog breeding success
- Conducted pre-construction biological surveys for plants, insects, reptiles and amphibians, nesting birds, fish, and small mammals
- Water quality monitor for a dam removal project and small-scale construction projects
- Performed statistical analysis of ecological and population datasets
- Wrote and reviewed project proposals, permit documents, and reports

Consulting Intern, SCIENCE APPLICATIONS INTERNATIONAL CORP (SAIC), Carpinteria, CA. Summers of 2007 and 2008.

- Conducted rare plant and small mammal surveys
- Performed data entry and analysis for large biological datasets
- Reviewed large documents and created summaries of key points

VOLUNTEERING

Lichen Volunteer, Santa Barbara Botanic Garden, June 2019 – present

Volunteer within the Conservation and Research branch of the Santa Barbara Botanic Garden. Primarily work with the lichen herbarium curator, Dr. Rikke Naesborg, to mount and catalogue lichen specimens for the herbarium.

Volunteer, Ongoing Carpinteria Salt Marsh Reserve Bird Census, March 2019 – present

Part of a team of birders that conducts a weekly census of birds in the Carpinteria Salt Marsh Reserve. I conduct a thorough survey of the UC Reserve portion of the marsh approximately once per month, documenting numbers of all bird species observed, and recording other relevant information (e.g., breeding status).

Winter Wildlife Docent, Point Reyes National Seashore, December – March 2014 & 2015.

Promoted awareness and conservation of breeding northern elephant seals and migrating gray whales and aided park visitors. Staffed wildlife viewing and education areas around Point Reyes Headlands on weekends and engaged with the public to interpret wildlife behavior and educate about these species, including their ecology, recent research, and current conservation issues.

Volunteer, Jepson Prairie botanical surveys, Solano Land Trust, 2012, 2013. Assisted in an annual one-day transect survey effort for native and non-native plant species to monitor temporal changes in species composition. Identified vernal pool endemics and invasive weeds.

Volunteer, Audubon Society Christmas Bird Counts, Santa Barbara County, CA, December 2009, 2010 & 2018. Participated in annual bird counts, including serving as a group leader in 2018. Identified, counted, and reported birds in various habitats, including shoreline, chaparral, and oak woodland.

Docent, Carpinteria Salt Marsh, 2002 – 2006. Led natural history tours of a local salt marsh. Tours included an explanation of salt marsh history, ecology, and identification of notable plant and animal species. Docent training consisted of a series of lectures from experts on subjects including salt marsh ecology, parasitology, and ornithology.

PUBLICATIONS

Elgaria multicarinata. *Egg attendance and oviposition site* (2012). Submitted by Michael Mulroy and Kevin Wiseman, and published in *Herpetological Review* Volume 43, Number 3, September 2012. Describes first documented observation of egg attendance in the wild for the southern alligator lizard (*Elgaria multicarinata*).

WORKSHOPS AND TRAINING

- *Identifying Lichens to Genus*. March 2019. Friends of the Chico State Herbarium. CSU Chico.
- *Introduction to Bryophytes*. March 2019. Jepson Herbarium.

- *Introduction to Lichen Microscopy*. October 2018. Jepson Herbarium.
- OSHA Construction 10-hour safety training certification. March 2015.
- *Identifying California Native Grasses*. June 2013. California Native Grasslands Association.
- *Sensitive Small Mammals of the San Joaquin Valley*. October 2012. The Wildlife Society.
- *Introduction to North Bay Grasslands*. May 2012. California Native Grasslands Association.
- *Wilderness First Aid*. 16-hour course, January 2012. Foster Calm Wilderness First Aid Training.
- *Rare Pond Species Survey Techniques*. March 2011. Laguna de Santa Rosa Foundation, Sonoma State University.

MEMBERSHIPS

California Lichen Society (CALs), 2018 – present
The Wildlife Society, California Central Coast Chapter, 2018 - present

LANGUAGE SKILLS & OTHER EXPERIENCE

Advanced Spanish speaking and writing. In 2018, achieved language level Advanced High in an ACTFL oral proficiency interview. Fluent reading and writing in the Spanish language.

Senior Thesis: Soil Ecology of the Eastern Sierra Nevada near Mono Lake, California. 2010. Conducted a baseline study of plant communities, soil properties, and invertebrate communities in the Burger Reserve, a conservation easement near Mono Lake, CA. Spent six weeks identifying and mapping 11 distinct plant community types in a 1.2 square mile area, and sampled invertebrates and soils from each community. Analyzed relationships between plant community type, soil properties, and invertebrate community composition. Study was the first habitat characterization for the reserve.

Migratory Waterfowl Study, Bernard Field Station, Pomona College, Claremont CA, 2009. Member of a four-person team that conducted daily dawn bird counts in an artificial pond during fall migration season for one month. Study measured the use of the pond as a stopover for migrating waterfowl.