



Ms. Paulsen studied wildlife biology at California Polytechnic University in San Luis Obispo and has a few seasons of experience working in the field. She focused her studies on California's wildlife, special-status species, herpetology, mammalogy, ornithology, marine biology, and taxonomy. She has conducted surveys for a variety of species, including giant garter snake, western pond turtle, San Francisco garter snake, California tiger salamander, Heerman's kangaroo rat, giant kangaroo rat, salt marsh harvest mouse, blunt-nosed leopard lizard, California red-legged frogs, and foothill yellow-legged frogs. Her field experience includes the following: wildlife capture and survey techniques (live-trapping with both Sherman and tomahawk traps, sein and dip-netting, pitfall trapping, quadrant surveys, visual encounter transects, camera stations, drift fences, mist-netting, VHF radio telemetry, acoustic monitoring); avian censuses using point counts; reptile and amphibian handling and surveys, and reporting. She has conducted visual encounter and habitat surveys for California red-legged frog, foothill yellow-legged frog, and other native herpetofauna throughout California. She served as a volunteer biologist and obtained handling experience under a permitted biologist in Santa Rosa, California that involved pitfall trapping, processing, and taking genetic samples from California tiger salamander individuals. She served as a research assistant and obtained handling experience under a permitted biologist in Carrizo Plain, California that involved capture, processing, genetic sampling, and VHF radio telemetry tracking of blunt-nosed leopard lizards.

EDUCATION

B.S. Biological Sciences/Wildlife, California Polytechnic University, San Luis Obispo (2014 – 2020)

WORK HISTORY

- Staff Biologist:** Condor Country Consulting, Inc., Martinez, California (May 2022-Present). Main responsibilities include construction monitoring and sensitive species' biological surveys. Target species for animal surveys include the Giant garter snake, California red-legged frog, Swainson's Hawk, and California tiger salamander.
- Staff Biologist:** Swaim Biological Incorporated, Livermore, California (February 2021- November 2021). Main responsibilities included sensitive species' biological surveys, monitoring, and maintenance of projects. Target species for animal surveys include the Giant garter snake, Western pond turtle, San Francisco garter snake, California red-legged frog, Foothill yellow-legged frog, and California tiger salamander.
- Volunteer Biologist:** Swaim Biological Incorporated, Santa Rosa, California (October 2021 – November 2021). Main responsibilities included sensitive species' biological surveys and genetic sampling of the California tiger salamander.
- Field Assistant:** California Polytechnic University, San Luis Obispo, California (March 2020 – October 2020). Main responsibilities included sensitive species capture and biological surveys, radio telemetry tracking, and small mammal trapping. Target species included Blunt-nosed leopard lizard and Giant kangaroo rat.
- Research Volunteer:** California Polytechnic University, San Luis Obispo, California (October 2019 - December 2019). Established transects and conducted surveying for the absence/presence of Heermann's kangaroo rat.
- Field Techniques Intern:** Swanton Pacific Ranch, Santa Cruz, California (August 2019). Trained in bird and bat mist-netting, acoustic bat surveying, point-count surveys, small mammal trapping, camera trapping and reptile surveys during a two-week course.
- Research Volunteer:** California Polytechnic University, San Luis Obispo, California (August 2016 – October 2016). Conducted surveys for absence/presence and gravidity rates of Northern Pacific rattlesnakes.

CERTIFICATION/TRAINING

- HAZWOPWER Certificate (2022)
- PG&E Rural Driving Safety training (July 2021)
- Gold Shovel Excavation Safety training (August 2021)
- CAL OSHA Tree Safety training (March 2021)
- PG&E Subcontractors Wildfire Smoke Prevention training (March 2021)
- PG&E Subcontractors Heat Stress training (March 2021)

PROJECT EXPERIENCE

- **Biological Services for the former Naval Weapons Station, Seal Beach Detachment Concord, CA. US Navy Base Realignment and Closure Commission. 2022. \$4 million. Role: USFWS and CDFW-approved Biologist for CTS (terrestrial surveys).** In 5,000+ acre parcel, 7 wildlife exclusion fenced sites were surveyed according to the USFWS issued trapping protocol for the collection and relocation of California red-legged frogs (CRLF) and California tiger salamanders (CTS, *Ambystoma californiense*). Duties include trap setting, checking, and the processing of target and non-target species. Pitfall traps were opened and checked daily during heavy rainfall events to collect and relocate CTS (at least 30 feet from the project area). Reported observations and findings to CDFW, USFWS and the US Navy daily, monthly and an annual summary following trapping activities. Has conducted other activities for construction monitoring on base and has encountered 300+ CTS, 300+ CRLF, 10+ white-tailed kites, 1+ Peregrine falcon, and two golden eagles on site.
- **Mare Island Naval Shipyard Fill and Restoration, Vallejo, CA. August 2022 – December 2022.** Role: USFWS-approved Biological Monitor. Conduct Biological Compliance Monitoring for the salt marsh harvest mouse (*Reithrodontomys raviventris*) during landfill operations in accordance with US. Fish and Wildlife Service Biological Opinion. Authorized to work under USFWS Biological Opinion. Observed several mice on site that were potentially salt marsh harvest mice. The observations were reported to the USFWS Biologist Brian Hansen and US Navy Project Manager Erica Cunningham. Work was stopped or modified to avoid harming any individuals. The work and project was supervised by Senior Biologist, Rachel McCracken and Principal Biologist Sean Dexter.
- **Nest Monitoring, Sandia National Laboratories, Livermore, CA, May 2022-July 2022.** Role: Biologist. Monitored active nest of threatened Swainson's hawk (*Buteo swainsoni*) every day, adjacent to water construction repair project from nesting to fledging period. Monitored the Swainson's hawk pair near active construction sites to determine if project work was inhibiting normal nesting behavior.
- **Migratory Nesting Bird Survey and Roosting Bat Assessment, UC Berkeley Albany Village, Berkeley, CA, August 2022.** Role: Project Manager, CDFW-approved Staff Biologist. Conducted a migratory nesting bird survey of a site projected to be developed into student housing and assessed buildings to be demolished for signs of roosting bats. Any inactive nests were removed to prevent future nesting. A simple report and maps were provided with a summary of survey results.
- **Elkhorn Boulevard Extension Project, Sacramento International Airport, Sacramento County, CA. 2022-Present.** Role: Biologist. Monitor for giant garter snake and western pond turtle, as well as other wildlife including gopher snake, ring-necked snake, common garter snake, and California king snake as needed. Monitor vegetation removal, excavation, dust control, and construction for compliance with natural resources permits. Maintain wildlife exclusion fencing and provided biological compliance trainings for crewmembers onsite.
- **Gray Lodge Water Supply Project, Grey Lodge Wildlife Area, Gridley, CA, Ducks Unlimited, 2019-2022.** Role: Biologist. Captured and relocated special status species, giant garter snake and western pond turtle, as well as other wildlife including gopher snake, ring-necked snake, common garter snake, and California king snake as needed. Monitored vegetation removal, excavation, dust control, and



construction for compliance with natural resources permits. Maintained wildlife exclusion fencing and provided biological compliance trainings for crewmembers onsite.

- **Replace Vintage Pipe Project, Millbrae, CA, PG&E, 2020-2021.** Role: Biologist. Surveyed for San Francisco garter snakes, California red-legged frogs, and nesting birds. Monitored vegetation removal, excavation, dust control, and pipe installation for compliance with natural resources permits. Maintained wildlife exclusion fencing, escorted vehicles through wildlife concern areas, and provided biological compliance trainings for crewmembers onsite.
- **Alto Substation: Vegetation Removal, Mill Valley, CA, PG&E, 2021.** Role: Biologist. Surveyed for salt marsh harvest mouse and nesting birds in the area. Insured work stayed within project boundaries to protect nearby wetland environments. Monitored vegetation removal and re-vegetation work surrounding the Alto Substation for compliance with natural resource permits.
- **Camp Fire Hazard Tree Removal, Paradise, CA, Cal-Recycle, 2019-ongoing.** Role: Biologist. Surveyed for and monitored habitats of California red-legged frog, foothill yellow-legged frog, nesting birds, and bat species. Monitored the removal of hazard trees left behind after the Camp Fire of 2018 for compliance with natural resources permits.
- **Sonoma State University Research, Alton Preserve, Santa Rosa, CA, Waters Collaborative & US Department of Fish and Wildlife, 2015-ongoing.** Role: Volunteer Biologist. Assessing the movement and distribution of the most northern population of California tiger salamanders. Over 300 pitfall and minnow traps issued for the capture and release of CTS individuals. Duties included trap checking, repair, and the processing of target and non-target species. Pitfall traps were opened and checked daily during periods of rainfall for the capture, tagging, and releasing of CTS.
- **California Polytechnic University Research, Carrizo Plain, Santa Margarita, CA Biological Department, 2019-2021.** Role: Research Assistant. Assist graduate student with blunt-nosed leopard lizard and giant kangaroo rat research. Included the capture, processing, telemetry tracking, and habitat assessments to study daily behavior associated with thermal tolerance.
- **California Polytechnic University Research, Los Osos Sand Dunes, Morro Bay, CA, Biological Department, 2019-ongoing.** Role: Volunteer Biologist. Evaluated the Morro Bay sand dunes for the presence or absence of the Heermann's kangaroo rat subspecies. Duties included establishing survey boundaries, assessing for suitable habitat, and recording non-target/competing species.
- **Swanton Pacific Ranch Study, Corral Road, Santa Cruz, CA, Cal Poly, 2019.** Role: Field Biologist. Cataloged the various vertebrate species along a 100 meter transect of the coastal sage scrub/chaparral habitat on Cal Poly's Swanton Pacific Ranch along Corral Road. Duties included live & camera trap setting, checking, and processing of mammals. As well as point count avian surveys, visual encounter surveys for herpetofauna, and acoustic surveys for chiropteran species.
- **California Polytechnic University Research, Los Padres National Forest, Solvang, CA, Biological Department, 2016-2018.** Role: Volunteer Biologist. Assisted graduate student with northern Pacific rattlesnake surveys to establish population density and rate of gravidity in females.