

Ms. McGinn received her Bachelor of Science in Biological Sciences from California Polytechnic University in San Luis Obispo and has a few seasons of experience working in the field. Ms. McGinn's experience pertains to flora and fauna on the west coast focusing on California's wildlife, special-status species, herpetology, mammalogy, ornithology, marine biology, and taxonomy. She has conducted surveys for a variety of species on the west coast, including the California tiger salamander, Heermann's kangaroo rat, San Francisco dusky-footed woodrat, western burrowing owl, northern spotted owl, and marbled murrelet. Her field experience includes the following wildlife capture and survey techniques: live mammal-trapping with Sherman and tomahawk traps, seine and dip-netting, quadrant surveys, visual encounter transects, camera stations, drift fences, mist-netting, acoustic monitoring; nesting bird surveys, reptile and amphibian surveys, and reporting. She has also conducted pitfall trapping for California tiger salamanders, visual encounter surveys for California red-legged frog and other native herpetofauna throughout the west coast. Ms. McGinn has handling experience with California tiger salamander (CTS) and California red-legged frog (CRLF), under the supervision of 10(a)1(A) permitted biologist, Sean Dexter. She is authorized as an Independent Handler for CTS during terrestrial survey activities.

EDUCATION

B.S. Biological Sciences/Wildlife, California Polytechnic University, San Luis Obispo (2015 – 2019)

WORK HISTORY

- **Staff Biologist:** Condor Country Consulting, Martinez, California (September 2020- present). Main responsibilities include sensitive species' biological surveys, monitoring, restoration, and maintenance of projects. Target species for animal surveys include the salt marsh harvest mouse, California tiger salamander, California red-legged frog.
- **Wildlife Surveyor:** Turnstone Environmental Consultants (April-August 2020). Main responsibilities include sensitive species' biological surveys and reporting in coastal old growth forests to Oregon Department of Forestry protocol. Target species for animal surveys include the marbled murrelet and northern spotted owl.
- **Volunteer Biologist:** Swaim Biological Consulting, Sonoma, California (January 2020). Main responsibilities include sensitive species' biological surveys and genetic sampling of the California tiger salamander.
- **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 (October-December 2019). Established transects and conducted surveying for the absence/presence of Heermann's kangaroo rat (*Dipodymus heermanni morroensis*).
- **Research Volunteer:** California Polytechnic University, San Luis Obispo, California (March-June 2019). Assisted in the basic animal husbandry and water maintenance for Dr. Kolluru, regarding the Cuban species *Girardinus metallicus*.
- **Vet Technician Assistant:** Hill Crest Veterinary Hospital, Pleasant Hill, California (July 2013-September 2015). Assist vet technicians with appointments; restrain animals, read slides, and take vitals.

CERTIFICATION/TRAINING

Professional

- CPR/AED – Professional Rescuer Certification (December 2021)
- Hazardous Waste Operations and Emergency Response (40-hour) 39 CFR 1920.120(E) Certification (February 2021)
- OSHA 10 Hour Construction Safety Training. (August 2021)

-
- Heat Illness Prevention Training, Section 5(a)(1) of the OSH Act of 1970 (August 2021)
 - Hazardous Waste Operations and Emergency Response (8-hour refresher) 39 CFR 1920.120(E) Certification (February 2023)

Wildlife

- Authorized Individual (AI) on Sean Dexter's CDFW Scientific Collection Permit (SCP) – Specific Use Permit: S-212010001-21214-002. Madison McGinn's AI #: SC-212020002
- Save the Snakes 16 Hour Level 1 Venomous Snake Handling Course (August 2022)
- Wildlife Acoustics: Basic Cluster Analysis and Strategy, Bat Analysis & Land Vertebrates (July 2022)
- USFWS 10(a)(1)(A) permit (TE#09196C-0/PER0057528) - Authorized Independent Handler for CTS (terrestrial surveys)(Feb 2023 – current)
- Burrowing Owl Workshop - The Wildlife Society, Riverside, CA (February 2023)
- Western Pond Turtle Workshop (In progress - May 2023)

Observation & Handling Experience Summary (*As of Feb. 2023; more details available upon request*)

- CTS (Egg, Juvenile, and Adult – All life stages)
 - Total # Handled: 247, Total Survey Hours: 449.5
- CRLF (Egg, Juvenile, and Adult – All life stages)
 - Total # Handled: 69, Total Survey Hours: 41.5
- Salt marsh harvest mouse
 - Total # Handled: 1 individual (Adult)
 - Total # Observed: 10+ individuals (Adult)
- Burrowing owl
 - Total # Observed: 2 individuals (Adult)
- Golden eagle
 - Total # Observed: 2 individuals (Adult)
- San Francisco Dusky-footed woodrat
 - Total # Observed: 20+ individuals (Adult and Juvenile)
- Bat species: Mexican free-tailed bat, Pallid bat, California myotis, Yuma myotis (*Myotis yumanensis*), and Brazilian free-tailed bat (*Tadarida brasiliensis*). Observed by acoustic surveys and/or emergence surveys.
- Pacific gopher snake
 - Total # Observed: 20+ individuals (Adult and Juvenile)
- Northern Pacific rattlesnake
 - Total # Observed: 20+ individuals (Adult and Juvenile)
- Southern alligator lizard
 - Total # Observed: 20+ individuals (Adult and Juvenile)
- Mediterranean house gecko
 - Total # Observed: 200+ individuals (Adult and Juvenile)
- Sierran tree frog
 - Total # Observed: 200+ individuals (Adult and Juvenile)
- Western toad
 - Total # Observed: 50+ individuals (Adult and Juvenile)
- Botta's pocket gopher
 - Total # Observed: 20+ individuals (Adult and Juvenile)

PROFESSIONAL MEMBERSHIPS

- The Western Section of the Wildlife Society

PROJECT EXPERIENCE

- **Biological Services for the former Naval Weapons Station, Seal Beach Detachment Concord, CA. US Navy Base Realignment and Closure Commission. 2011-ongoing. \$4 million. Role: USFWS and CDFW-approved Biologist/ USFWS 10(a)(1)(A) permit (TE#09196C-0/PER0057528) Authorized Independent Handler 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. Work completed under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) USFWS Biological Opinion (BO, #81420-2011-F-0313) for the Environmental Investigations on the Former Naval Weapons Station Seal Beach Detachment-Concord (2012 BO and 2018 Amendment).
- **Biological Assessment of Proposed Residential Development (Greenhaven Blvd.), Hayward, CA. February 2023.** Role: Lead Biologist. Conducted a biological assessment for listed species: Monarch butterfly, Crotch bumblebee, Alameda whipsnake, CRLF, CTS, burrowing owl, golden eagle, yellow rail, yellow warbler, saltmarsh common yellowthroat, San Francisco dusky-footed woodrat, salt marsh harvest mouse, pallid bat, Western mastiff bat, foothill yellow-legged frog, Western bumble bee and rare plants.
- **Biological Assessment of Erosion Repair Project (Patra Drive), El Sobrante, CA. February 2023.** Role: Lead Biologist. Conducted a biological assessment for listed species: Monarch butterfly, Crotch bumblebee, Alameda whipsnake, California black rail, CRLF, CTS, burrowing owl, California Ridgeway's rail, Green Sturgeon, Longfin smelt, Sacramento perch, Townsend's bid eared bat, Western Pond turtle, yellow headed blackbird, Francisco dusky-footed woodrat, pallid bat, Western mastiff bat, foothill yellow-legged frog, Western bumble bee and rare plants.
- **Biological Assessment of Proposed Residential Development (Eden Canyon Road), Hayward, CA. November 2022.** Role: Lead Biologist. Conducted a biological assessment for listed species: Monarch butterfly, Crotch bumblebee, Alameda whipsnake, CRLF, burrowing owl, San Francisco dusky-footed woodrat and rare plants.
- **USFWS-approved Biological Monitor for Groundwater Sampling, D-Q University, Yolo County, CA, August 2020 – ongoing.** Monitored construction site for protected species including the Yellow-billed cuckoo (*Coccyzus americanus*), giant garter snake (*Thamnophis gigas*), CRLF (*Rana draytonii*), CTS (*Ambystoma californiense*), Valley elderberry longhorn beetle (*Desmocerus californicus dimorphus*), vernal pool fairy shrimp (*Branchinecta lynchi*), or vernal pool tadpole shrimp (*Lepidurus packardii*). A colony of cliff swallows were observed nesting within the project area. No other special status species were observed.
- **Mare Island Naval Shipyard PFAS Site Inspection, Navy/ Nicklaus Engineering, Inc., Mare Island, CA. February 2023. Role: CDFW and USFWS-approved Biological Monitor.** Monitored groundwater sampling activities and implemented the requirements of the U.S. Navy's Environmental Protected Plan. Species of concern included Ridgway's rail, nesting birds and salt marsh harvest mouse. One potential salt marsh harvest mouse was observed. Work was stopped and modified to protect the mouse. The US Navy's Valerie Harris was notified of the observation.
- **Biological Services for the Improvement and Development of G Street for the former Naval Weapons Station, AAA and GoMentum, Seal Beach Detachment Concord, CA. September – October 2022.** Role: Assistant Project Manager and USFWS-approved Biological Monitor. Assessed project work area for sensitive species (California tiger salamander, Alameda whipsnake, California red-legged frog, western burrowing owl, San Joaquin kit fox, and golden eagle) during the removal and paving of G Street. Authorized to work under Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) 2012 and 2018 Amendment USFWS Biological Opinion with listed species.

Biological Opinion for the Environmental Investigations on the Fonner Naval Weapons Station Seal Beach Detachment-Concord, Concord, Contra Costa County, California (81420-2011-F-0313) (2012 biological opinion.

- **Mare Island Naval Shipyard Fill and Restoration, Vallejo, CA. August 2022 – ongoing.** 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.
- **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.
- **Biological Support for Temporary Well Installation and PFAS testing for the former Naval Weapons Station, Seal Beach Detachment Concord, CA, Wood, PLC. August 2022**
Role: Biological Monitor. Conducted biological monitoring during temporary well installation, for sensitive species (California tiger salamander, California red-legged frog, western burrowing owl, San Joaquin kit fox, and golden eagle) at the Former Naval Weapons Station, Seal Beach Detachment in Concord, CA.
- **Migratory Nesting Bird Survey, UC Berkeley People’s Park Tree Relocation and Removal, Berkeley, CA, July 2022.** Role: Project Manager and Staff Biologist. Conducted a migratory nesting bird survey of a site projected to be developed into student housing. Any inactive nests were removed to prevent future nesting. A simple report and maps were provided with a summary of survey results.
- **Biological Support, Coal Creek/Alpine Road Regional Trail Improvement Project, La Altos, CA. Mid-Peninsula Regional Open Space District. June 2022-September 2023. \$73K.** Role: Staff Biologist. Conducted a preconstruction survey for special status species such as long-eared owl, Santa Cruz black salamander, American badger, dusky footed-woodrat, California red-legged frog, and roosting bats. Conducted emergence survey for tree roosting bats with acoustic detectors and analyzed bat calls.
- **Migratory Nesting Bird Survey, UC Berkeley Giannini Hall Tree Relocation and Removal, Berkeley, CA, June 2022 – July 2022.** Role: Project Manager and Staff Biologist. Conducted an initial migratory nesting bird survey of the site prior to tree removal. Three active nests were present, species included house finch, black phoebe, and Nuttall’s woodpecker. All nests were avoided, and chicks successfully fledged. Nests were then determined inactive during nest check visits. A simple report was provided with a summary of survey results.
- **Mowing, Vegetation and Fire Fuel Management Services for the former Naval Weapons Station, Seal Beach Detachment Concord, CA, Gulf South Research Corporation, January 2022 – on going.** Role: Biological Monitor and Technician. Project included preconstruction surveys for nesting birds and mechanical treatment (mowing with line trimming equipment) of invasive species. Invasive target species included artichoke thistle, bull thistle, wild oat, barbed goat grass, stinkwort, yellow-star thistle, and purple-star thistle. Historically, Western meadowlark, Northern mockingbird, song sparrow, mourning dove, great horned owl, red-tailed hawk and golden eagle nests were observed.
- **California Spotted Owl Survey, Midpeninsula Regional Open Space District, Redwood City, CA. March 2022- July 2022.** Role: Biologist. Conducted an investigative survey to detect the presence of California spotted owls (*Strix occidentalis*) within portions of the La Honda Creek Open Space Preserve. Assessed habitat suitability and executed 3 nighttime acoustic surveys. Analyzed over 4-months of passive

acoustic recordings using acoustic analysis software to detect presence/absence of barred and California spotted owls. No observations.

- **Western Burrowing Owl Bi-annual Surveys, Ahtna, Lathrop, CA, January 2022 – December 2022.** Role: Staff Biologist. Conducted pre-construction surveys for special-status species: protocol-level transect surveys for the western burrowing owl of the project area and a 100-meter buffer. Two surveys were completed: one during the breeding season and non-breeding season.
- **Upper Jordan Trail Fire Fuel Reduction, University of California, Berkeley, CA, June 2021 – February 2022.** Role: Biological Monitor. Provided biological support and monitoring for the project and protection of San Francisco dusky-footed woodrat and Alameda whipsnake throughout the pre-project phase and execution. Project consisted of tree and brush removal from the Jordan trail for fire fuel management. Assisted CCCI Biologist, Rachel McCracken with locating, dismantling, and relocating over 40 woodrat nests that could not be avoided by project activities. Observed and preserved over 80 nests within the project area. At least 10 woodrats were observed during the project (Adult and Juvenile). USFWS and CDFW approved to conduct woodrat nest relocations and compliance monitoring for the Mitigation and Monitoring Resource Program.
- **Biological Services for the development of Chick-fil-a, MVPCA LLC, Livermore, CA, September 2021-June 2022.** Role: Biological Monitor. Provided biological support and monitoring for the project during construction activities. Inspected work site for California tiger salamanders, California red-legged frogs, western pond turtles, and western burrowing owls. Created environmental awareness training video for crew to show to construction personnel prior to work.
- **Bat Inspection Pre-construction Survey, Solano Community College, Fairfield, CA, September 2021.** Role: Biologist. Conducted an investigative survey to detect the presence of bats within the community college library projected for demolition. 100+ Mexican-free tailed bats were observed emerging from the building's roof flashing. Biologist assisted with developing an exclusion plan and emergence surveys after exclusion devices were deployed.
- **Bat Inspection Pre-construction Survey, Midpeninsula Regional Open Space District, Redwood City, CA, August 2021 – July 2022.** Role: Assistant Project Coordinator and Staff Biologist. Investigated the exterior of the Skyline Field office prior to roof construction, for bat sign (bat guano, urine, and roosting habitat). Deployed acoustic monitoring equipment and conducted an emergence survey. Monitored during deployment of exclusion devices and surveyed for roosting bats prior to construction. The most common bat species detected with the acoustic monitoring were California myotis, Yuma myotis (*Myotis yumanensis*) and Brazilian free-tailed bat (*Tadarida brasiliensis*).
- **Bat Inspection Pre-construction Survey, University of California Berkeley, Berkeley, CA, August 2021.** Role: Biologist. Conducted an investigative survey to detect the presence of bats within five structures projected for demolition. The interiors and exteriors of 2161 University Avenue, 1960 University Avenue, 1925 Walnut Street, 1990 and 1952 Oxford Street were surveyed for bat guano and roosting habitat.
- **Northern Spotted Owl Survey, Midpeninsula Regional Open Space District, Redwood City, CA, July 2021.** Role: Biologist. Conducted an investigative survey to detect the presence of Northern spotted owls (*Strix occidentalis caurina*) (NSO) within portions of the La Honda Creek Open Space Preserve. Assessed habitat suitability and executed a nighttime acoustic survey.
- **Nest Monitoring during potable water construction repair, Sandia National Laboratories, Livermore, CA, May 2021-July 2021.** Role: Biologist. Monitored active nest of threatened Swainson's hawk (*Buteo swainsoni*), 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.
- **MOTCO Sites 38 Remedial Investigation, Tetra Tech (\$38K) Concord, CA, May – August 2021.** Role: Biological Monitor. Special-status species include California red-legged frog, San Joaquin kit fox, California tiger salamander and golden eagle. No special status species were observed.

-
- **Biological Support for Hamilton Landfill, Ahtna (\$55.2K), Novato, CA, April 2021 - ongoing.** Role: Assistant Biologist. Special Status species: western burrowing owl, salt marsh harvest mouse, San Joaquin kit fox, and nesting birds. Conducted one protocol level survey for burrowing owls and one nesting bird survey, U.S Army Corp of Engineer's biological work plan and biological monitoring.
 - **Mowing, Vegetation and Fire Fuel Management Services for the former Naval Weapons Station, Seal Beach Detachment Concord, CA, Gulf South Research Corporation, March 2021 – June 2021.** Role: Mechanical treatment (mowing with line trimming equipment) of invasive species. Invasive target species included artichoke thistle, bull thistle, wild oat, barbed goat grass, stinkwort, yellow-star thistle, and purple-star thistle. USFWS-approved for biological monitoring.
 - **Nesting Birds and Western Burrowing Owl Surveys, Lathrop, CA, Ahtna, June 2020-ongoing.** Role: Biologist. Conducted on-call pre-construction surveys for special-status species: protocol-level transect surveys for the western burrowing owl and nesting bird surveys. No burrowing owls were observed. Nesting blackbirds, Northern mockingbird, American crow and red-tailed hawk nests were observed during survey.
 - **Hayward BART Nesting Bird Survey, Hayward, CA, DMZ Builders, March 2021.** Role: Biologist. Conducted a nesting bird survey for BART A-line 34.5kV Traction Power Cable Replacement project. An American crow and Western scrub jay nest were observed in project boundary.
 - **Biological Services for Eucalyptus Removal, Windy Hill OSP, Mid-Peninsula Open Space District, Portola Valley, CA, October 2020 – January 2021. Role: Assistant Biologist.** Aided Biologist, Rachel McCracken in protocol-level trapping and relocation work for the dusky-footed woodrat. Re-constructed nests 50 feet from construction zone and re-located 3 woodrat individuals to the new location. Monitored construction work for special-status species: San Francisco dusky-footed woodrat, California red-legged frog, western pond turtle, birds, and bats.
 - **Fire Fuel Reduction Project, University of California, Berkeley, Contra Costa County, CA, September 2020-January 2021.** Role: Biological Monitor. Conducted construction monitoring for special-status species during the tree removal and fire fuel reduction; including California Red-legged frog (*Rana draytonii*), San Francisco dusky-footed woodrat (*Neotoma fuscipes annectens*) and Alameda Whipsnake (*Coluber lateralis euryxanthus*). CDFW-approved for biological monitoring.
 - **Construction/Cleanup at Madonna Creek, Half Moon Bay, CA, Midpeninsula Regional Open Space District, September 2020 – October 2020.** Role: Biological monitor. Biologist conducted a pre-construction survey for California red-legged frog and San Francisco dusky-footed woodrat.
 - **Investigations at Former Naval Shipyard Mare Island, Paint Waste Area, Vallejo, CA (\$47K) Kleinfelder, 2014-2021.** Role: Biologist. Performed habitat restoration of salt marsh habitat. In order to meet 90% of native species coverage. USFWS Biological Opinion-approved biological assistant.
 - **Remedial Investigations at runway and adjacent areas for the former Naval Weapons Station, Seal Beach Detachment, Concord, CA, October 2020.** Role: Biological Monitor. Conducted construction monitoring for special –status species such as California red-legged frog and California tiger salamanders during soil sampling in wetland areas.
 - **Biological Services for Oregon Department of Forestry, Astoria, OR, Turnstone Environmental Consultants, 1997-2020.** Role: Wildlife Surveyor. Assist state and federal agencies in assessing suitable habitat, delineating survey boundaries, recording presence/absence and establishing survey stations for marbled murrelets and northern spotted owls. No audio or visual detections of Marbled Murrelets. Noting detections of barred owls or Northern spotted owls (NSO) while simultaneously surveying for murrelets. No NSO detected in survey regions. Few barred owl detections throughout season.
 - **Sonoma State University Research, Alton Preserve, Santa Rosa, CA, Waters Collaborative & US Department of Fish and Wildlife, 2015-2020.** Role: Volunteer Biologist. Assessing the movement and distribution of the most northern population of California tiger salamanders (CTS, *Ambystoma californiense*). Over 300 pitfall and minnow traps were 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, Los Osos Sand Dunes, Morro Bay, CA, Biological Department, 2019-2020.** Role: Volunteer Biologist. Evaluate the Morro Bay sand dunes for the presence or absence of the Heermann's Kangaroo rat subspecies, (*Dipodomys heermanni morroensis*). Duties included establishing survey boundaries, assessing suitable habitat, and recording non-target/competing species.
- **Swanton Pacific Ranch Study, Corral Road, Santa Cruz, CA, Cal Poly, 2019.** Role: Field Biologist. Catalog 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.
- **Pismo Clam Research and Recovery, Pismo Beach, San Luis Obispo, CA, Marine Conservation Lab, 2017-ongoing.** Role: Research Volunteer. Analyze the reproduction trends, population size and abundance of the pismo clam, (*Tivela stultorum*). Surveys included creating transect lines with 3 meter dug-out sections, measuring clams and reburying, or collecting individuals for lab analysis.