



Rainey Barton | Biologist

Qualifications Ms. Barton has six years of professional experience as a field biologist, on a wide variety of field-based projects throughout California and Louisiana. She is an avid birder and possesses superior field identification skills for raptor and many other avian taxa. She has extensive experience with invasive species research and management, and habitat restoration. She also provides geospatial analysis and insight using a variety of Geographic Information System (GIS) platforms. Ms. Barton began working with BBI in 2019 and has performed a variety of power infrastructure-related surveys during that time at various SCE and private utility company transmission lines in addition to smaller-scale avian surveys conducted for private entities. She is adept at recording detailed and spatial data according to protocol while maintaining maximal coverage of each survey area. Additionally, Ms. Barton is a Project Manager at BBI. In her capacity as PM, she serves as a main point of contact with staff, sub-consultants, outside vendors, clients, and regulatory agencies. She ensures all project needs are met with close adherence to project schedules and budgets.

Professional Experience Has conducted a broad array of surveys and worked on many field-based projects throughout California, including locations in San Bernardino, Santa Barbara, Los Angeles, and Ventura counties. Avian sampling techniques employed include bird use count (BUC), linear transects, point counts along a transect line, and area bird surveys, all in accordance with published California Energy Commission and California Department of Fish and Wildlife (CDFW) guidelines for wind and solar energy projects in California. Performs geospatial analysis for a wide variety of projects utilizing a multitude of GIS platforms.

SCE, Various Locations

Works as an on-call biologist for SCE transmission line projects throughout Southern California. Performs preconstruction surveys related to nesting birds. Submits detailed daily reports of findings, including geospatial data and images from each surveyed site. Creates a daily safety tailboard for each site.

Big Bear Electric Company, San Bernardino County, CA

Conducted pre-construction biological survey of 2-mile stretch of U.S. Forest Service (USFS) land for nesting or roosting birds and USFS sensitive avian, reptile, amphibian, plant, and mammal species. Provided report of findings and mapped locations of potential sensitive species locations and habitat.

SC Tree and Landscape, Marina del Rey, CA

Conducted surveys for nesting and wading birds and raptors at several locations in the Marina del Rey Harbor. Reported on findings and prepared map of sensitive resource locations. Provided recommendations for avoidance of roosting birds.

Willdan Engineering, Ventura, CA

Served as an Assistant Engineer. Assisted with National Pollutant Discharge Elimination System (NPDES) Municipal Sewer System (MS4) Permit compliance for 10 cities throughout Southern California. Work included implementation of public information and outreach programs, annual report writing, budget composition and tracking, client representation and management, GIS analyses, database management, proposal and grant application, field data collection, analysis, and reporting, and industrial/commercial facility inspections.

United Water Conservation District, Santa Paula, CA

Served as a Field Technician. Duties included water quality monitoring, conducting biological assessments of land and water resource projects, wildlife and plant surveys including for arroyo toad, Southern California steelhead trout habitat, and nesting birds. Assisted with implementation of the Exotic Species Management Plan for a series of dam spillway pools. Aided with the execution of a pilot study for eradication of the invasive quagga mussel. Collaborated for independent research project.

Woodlands Conservancy, Belle Chase, LA

Conducted restoration and monitoring of bottomland hardwood forest. Surveyed insect and vegetative communities and integrated data collection into GIS via Arc Collector app. Performed removal of invasive vegetation.

USFWS, Ventura, CA

Collaborated with USFWS to conduct an Optimal Habitat GIS Analysis for the San Joaquin kit fox within the Bitter Creek National Wildlife Refuge. Product included geodatabase and an engaging ESRI Story Map for use in habitat restoration and species conservation efforts.

Independent Research, Camarillo, CA

Conducted a diet analysis of the North American bullfrog removed under United Water Conservation District's Exotic Species Removal Program to better understand the impact of a highly invasive and voracious predator upon a Southern California pond system.

Santa Barbara Zoo and USFWS, Ventura, CA

Assisted with nest monitoring of California condor including traveling to remote locations, collecting and reporting detailed data.

Ojai Valley Land Conservancy, Ojai, CA

Assisted with habitat restoration efforts in the Besant Meadows Preserve and Ventura River Preserve. Included invasive species removal, vegetative restoration, monitoring of restoration sites, construction of irrigation systems, nursery maintenance, and public outreach.

Education

California State University, Channel Islands, Camarillo, CA
Major: Environmental Science and Resource Management, B.S.
Minor: Biology
May, 2018

Workshops &
Certifications

- Spatial Data Collection Platforms: ESRI ArcCollector, ESRI Survey123
- Spatial Data Analysis Software: ArcGIS Desktop, ArcGIS Pro, ESRI Story Maps
- Wilderness First Aid, 2017
- American Heart Association, CPR, 2017
- Ventura Audubon Society, Member
- The Wildlife Society, Member
- California Safe Boating Certification, 2017
- Remote sUAV Pilot (Part 107)
- UAV Software: Drone Deploy, Pix4D, Precision Flight
- The State of the Los Angeles River Symposium, 2018
- ESRI User Conference, 2018

