

Education

- M.S., Biology, University of Utah, 2004
- B.S., Biology, University of California, San Diego, 1998

Years of Experience

12

Training/Certification

- Field botany course; University of Utah 2006 and 2008
- DataCamp Intermediate R Course
- ASTM E1527 Phase I Environmental Site Assessment for Commercial Real Estate 2018
- PSMJ Project Manager Bootcamp
- NEPA training course
- Wetland Delineation Certification; Wetland Training Institute 2005
- Mexican Spotted Owl and Southwest Willow Flycatcher training

Expertise

- Habitat restoration and weed management plans
- Plant community surveys, monitoring, and species identification
- Wetland delineation
- Statistical analysis
- Phase I ESAs
- Writing Conditional Use Permits
- Using R statistical computing software, including GenEst

Work Experience

- 1999-2001 Ecologist at Los Alamos National Laboratory
- 2004-2010 Plant Ecologist/Project Manager at SWCA Environmental Consultants

Susan Martin

Plant Ecologist/Project Manager

Ms. Martin is an ecologist and project manager with field experience conducting plant and wildlife surveys, phase I environmental site assessments (ESAs), and wetland delineations. She has training in plant systematics and botany and works with the flora of the Great Basin, Colorado Plateau, and Southeast Alaska. She specializes in writing conditional use permits for renewable energy projects. She also writes habitat restoration plans and weed management plans that include the development of BMPs. She has conducted vegetation surveys that include both quantitative and qualitative plant cover measurements for use in wildlife habitat characterization and long-term trend analysis. She has experience writing National Environmental Policy Act (NEPA) documents and biological assessments in compliance with the Endangered Species Act (ESA). She has completed phase I ESA reports for numerous conservation easements, wind, and solar projects. She has extensive experience with data processing and statistical analysis.

Representative Experience

Castle Solar Project; Emery County, UT (2018-2019). M&N was contracted by Castle Solar, LLC to conduct natural and cultural resources surveys and assist with permitting of this proposed 40-megawatt solar photovoltaic facility located in Emery County, Utah. Ms. Martin conducted field work for the aquatic resources inventory, habitat assessment, and phase I environmental site assessment (ESA) for this project. She wrote the habitat assessment and phase I ESA reports. She also worked on the conditional use permit (CUP) application for this project, which was submitted to Emery County for approval. She coordinated with local government officials as part of the phase I ESA and CUP application processes.

Dinosolar Project; Natrona County WY (Ongoing). M&N has been contracted by a renewable energy developer to prepare a natural resources assessment, visual simulations, and conditional use permit application for a proposed 240-MW solar photovoltaic power generation facility proposed for location on private land in north-central Wyoming. Ms. Martin is assisting with the preparation of a conditional use permit (CUP) application for the project.

Quicksilver Solar Project; Utah County, UT (Ongoing). M&N has been retained by Quicksilver Solar, LLC to prepare an environmental assessment (EA) under 3rd party contract with the U.S. Department of Interior Bureau of Land Management (BLM). The EA will analyze the impacts associated with constructing and operating an overhead electrical collector system and gen-tie transmission line from the solar photovoltaic project area (located on private land) across BLM-administered and Utah School and Institutional Trust Lands Administration (SITLA) lands to the project's substation and point of interconnect. M&N is currently refining the plan of development and initiating work on the EA.

Elektron and Horseshoe Solar Projects; Tooele County, UT (Ongoing). M&N was contracted by Elektron Solar, LLC and Horseshoe Solar, LLC to conduct resource surveys and assist with permitting of these two proposed 75-megawatt solar photovoltaic power generation facilities located in Tooele County, Utah. Susan Martin completed the Phase I ESA and habitat assessments and compiled the conditional use permit (CUP) applications prepared for each project. CUPs for both projects were granted by the Tooele County Planning Commission in December 2018. M&N is currently initiating systematic wildlife surveys within the two project areas to identify raptor nest locations and other breeding bird "hot spots" to facilitate compliance with the MBTA when construction of the projects begins in 2021.

Horse Butte Wind Project Eagle Fatality Monitoring; Bonneville County ID. (Ongoing)

M&N has been issued a 3-year contract by Utah Associated Municipal Power Systems (UAMPS) to conduct eagle fatality monitoring, searcher efficiency studies, carcass persistence studies and associated data analysis and reporting for the 57.6-MW Horse Butte Wind Project located east of Idaho Falls in Bonneville County, Idaho. Susan Martin is overseeing day-to-day implementation of the contracted scope of work and conducting statistical data analysis.

Echo Divide Wind Project, Summit County, UT. (Ongoing)

M&N and subcontractors HawkWatch International and ESE Partners are conducting large- and small-bird avian use studies, aerial eagle and other raptor nest surveys, ground-based eagle nest monitoring, and acoustic bat monitoring for this proposed 100-MW wind energy project located in Summit County, Utah. M&N prepared a comprehensive conditional use permit (CUP) application, including visual simulations, for the project that was lauded and unanimously approved by the East Summit County Planning Commission in September 2019. Susan Martin conducted the field work and contributed to a wildlife habitat assessment of the project area, which included delineating and mapping habitats based on vegetation type and documenting common/characteristic wildlife and special status species known or having potential to occur on the site. Ms. Martin contributed to the CUP application and large and small bird reports. She conducted the statistical data analysis for the project.

Rocket Solar Project; Box Elder County, UT (Ongoing).

M&N was contracted by Rocket Solar, LLC to conduct natural resources surveys and assist with permitting of this proposed 80-megawatt solar photovoltaic facility located in Box Elder County, Utah. Spencer Martin served as Project Director and oversaw preparation of the aquatic resources inventory, habitat assessment, and phase I ESA, and assisted Rocket Solar's engineering contractor in completing a site plan review package for submittal to Box Elder County. The site plan was approved by the Box Elder County Planning Commission in June 2019. M&N is currently initiating systematic wildlife surveys within the project area to identify raptor nest locations and other breeding bird "hot spots" to facilitate compliance with the MBTA when project construction begins in 2021.