



CREEKSIDE SCIENCE

27 BISHOP LANE, MENLO PARK, CA 94025

Marissa Kent

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Experience

Creekside Center for Earth Observation, Menlo Park, CA
Staff Scientist (January 2016 to present)

Selected Projects

Bay Checkerspot Translocations, Vegetation Monitoring and Management, 2016 to present.
Biologist involved in monitoring federally threatened Bay checkerspot butterfly (*Euphydryas editha bayensis*) populations and habitat. Tasks include monitoring larvae and adult butterflies, monitoring vegetation composition and phenology, and managing weeds. Translocation projects have included reintroductions to Edgewood County Park and Natural Preserve in Redwood City, Tulare Hill in San Jose, and San Bruno Mountain in Brisbane. Technical skills include capturing, handling, transporting and releasing larvae, identifying over 150 species of grassland plants, collecting and analyzing data and reporting.

Mission Blue Butterfly Recovery at Twin Peaks Natural Area, 2016 to present.

Assisted in the translocation of the federally endangered Mission Blue butterfly (*Icaricia icarioides missionensis*) from San Bruno Mountain to Twin Peaks Natural Area. Tasks include identifying, capturing, transporting, and releasing adult butterflies.

Creekside Science Grow Facility, 2016 to present.

Assisted with propagation of the federally endangered Tiburon Paintbrush (*Castilleja affinis* ssp. *neglecta*) and San Mateo Thornmint (*Acanthomintha duttonii*) for seed increase / population enhancement projects. Tasks include seeding, germination monitoring, up-potting, hand-pollination, fruit collection, seed cleaning and storage, and ongoing plant maintenance. Following Best Management Practices to minimize risk of plant pathogens such as *Phytophthora* species.

Tiburon Paintbrush Enhancement Trials, 2016 to present.

Involved in population enhancement of federally endangered Tiburon Paintbrush (*Castilleja affinis* ssp. *neglecta*) through Grow Facility propagation, direct seeding trials in Paintbrush Canyon, and collection of experimental seeding, demography, and phenology data.

Metcalf Jewelflower Reintroduction, 2016 to present.

Assistant biologist for the reintroduction of the federally endangered Metcalf Canyon Jewelflower (*Streptanthus albidus* ssp. *albidus*) to Tulare Hill in San Jose. Tasks include collection of experimental seeding, demography, and phenology data.

Barbed Goatgrass Management at Coyote Ridge, 2016 to present.

Conducted barbed goatgrass (*Aegilops triuncialis*) surveys and implemented control treatments. Assisted in the installation of long-term monitoring plots. Collected baseline data on percent cover of barbed goatgrass and other plant guilds.

San Mateo Thornmint Habitat Enhancement and Introduction, 2016 to present.

Aided in direct seeding of federal and state endangered San Mateo thornmint (*Acanthomintha duttonii*) at

Edgewood County Park and Natural Preserve. Assisted in propagation and seed increase at Grow Facility. This project aims to restore a single extant site of San Mateo thornmint and to introduce new colonies. It is a collaboration between Creekside Science and the UC Berkeley Botanical Garden.

Rare Plant Surveys and Mapping at Coyote Ridge, 2016 to present.

Assisted in rare plant mapping of Santa Clara Valley dudleya (*Dudleya abramsii* ssp. *setchellii*) and Metcalf Canyon Jewelflower (*Streptanthus albidus* ssp. *albidus*).

Invasive Plant Surveys, Mapping and Management, 2016 to present.

Assisted in mapping the distribution of artichoke thistle, milk thistle, yellow starthistle, purple starthistle, mustard, and goatgrass on Coyote Ridge. Conduct ongoing opportunistic surveys of invasive plants on Coyote Ridge and Tulare Hill and implement appropriate control treatments.

Education

California Polytechnic State University, San Luis Obispo, CA

Bachelor of Science, Psychology, Graduated *summa cum laude*, 2009

De Anza College, Cupertino, CA

Certificate, Wildlife Science, 2015