

Notice of Exemption

To: Office of Planning and Research
P.O. Box 3044, 1400 Tenth Street, Rm. 113
Sacramento, CA 95812-3044

From: California Department of Fish and Wildlife
Habitat Conservation Planning Branch
Native Plant Program
P.O. Box 944209
Sacramento, CA 94244-2090

Project Title: Population Genetics of Thread-leaved Brodiaea (*Brodiaea filifolia*) (Project)

Project Location: Plant material collection for the Population Genetics of Thread-leaved Brodiaea (*Brodiaea filifolia*) Project (Project) will occur at approximately 40 thread-leaved brodiaea locations in Riverside, Orange, San Diego, Los Angeles, and San Bernardino Counties. Sampling locations are in the planning stage but will include 15 locations of thread-leaved brodiaea from San Diego County and an additional 10-20 locations outside of San Diego County. Plant material collection may also occur at the Marine Corps Base Camp Pendleton in San Diego County. Voucher collections will be stored at the San Diego Natural History Museum located at 1788 El Prado, San Diego, CA (32.732169, -117.148322). DNA extraction and sequencing will be conducted at USGS Western Ecological Research Center, San Diego Field Station located at 4165 Spruance Road, Suite 200, San Diego, CA (32.731818, -117.210419).

Project Description: The California Department of Fish and Wildlife is issuing a permit to Margie Mulligan [Permit No. 2081(a)-24-002-RP] pursuant to Fish and Game Code section 2081(a) for a project that includes targeted field surveys and genomic analysis to support adaptive management and recovery of thread-leaved brodiaea. Genetic studies will be used to help clarify the phylogenetic relationships among thread-leaved brodiaea, Orcutt's brodiaea (*Brodiaea orcuttii*), and Santa Rosa Basalt brodiaea (*Brodiaea santarosae*) to determine the level of hybridization present, assess the genetics of natural and translocated populations, identify genetically compatible source populations for translocations, and help inform appropriate management strategies. Project activities include tissue sampling, voucher collection, and DNA extraction and analysis.

California Public Agency Approving Project: California Department of Fish and Wildlife

Person or Agency Carrying Out Project: Margie Mulligan, Mulligan Biological Consulting

Exempt Status:

- Ministerial;
- Declared Emergency;
- Emergency Project;
- Categorical Exemption. Type and section number: Section 15306, Class 6

Reasons why project is exempt: The Project consists of basic data collection and research that will facilitate genetic understanding of *Brodiaea filifolia*. The permit issued by the California Department of Fish and Wildlife for the Project includes measures to ensure that existing populations of *Brodiaea filifolia* are not detrimentally impacted by research activities.

Lead Agency Contact Person: Kristi Lazar

Area Code/Telephone/ Extension: (916) 594-5425

Signature:  _____ **Date:** 2/26/2024
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Isabel Baer, Native Plant Program Manager

- Signed by Lead Agency Date Received for filing at OPR: _____