

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 Tidestrom's Lupine (*Lupinus tidestromii* var. *tidestromii*) (Project)

Project Location: Plant material collection for the Population Genetics of Tidestrom's Lupine (*Lupinus tidestromii* var. *tidestromii*) project (Project) will take place at Asilomar State Beach and Conference Grounds State Park (36.6227, -121.9393), North Dunes at Carmel Beach (36.5559, -121.9292), Pacific Grove Golf Links (36.6355, -121.9356), The Links at Spanish Bay (36.6116, -121.9459), Spyglass Hill Golf Course (36.5811, -121.9654), and The Sanctuary Beach Resort (36.7026, -121.8066) in Monterey County, CA. Collections will also take place at Point Reyes National Seashore (38.0785, -122.9730) in Marin County, CA and Sonoma Coast State Park (38.4473, -123.1260) in Sonoma County, CA. DNA extraction and sequencing will be conducted at Helmholtz Center for Environmental Research GmbH- UFZ in Halle, Germany.

Project Description: The California Department of Fish and Wildlife is issuing a permit to Aspen Workman (Permit No. 2081(a)-23-001-RP) pursuant to Fish and Game Code section 2081(a) for a project to improve the population genetic understanding of Tidestrom's lupine. Results are expected to inform future habitat management decisions to conserve the genetic integrity of Tidestrom's lupine. Plant tissue collection activities will take place between March and April of 2023. Three to five leaves will be collected from fifteen to twenty individuals at each location. At five sites where Tidestrom's lupine co-occurs with Chamisso bush lupine (*Lupinus chamissonis*), putative hybrids will also be sampled totaling up to twenty leaf tissue collections per site. Leaves will be pinched off the stem at the base of the petiole, placed in envelopes and stored on silica gel until DNA extraction activities can be performed at Helmholtz Center for Environmental Research GmbH- UFZ in Germany. Each individual plant will be photographed, and GPS coordinates will be recorded. Data on reproductive status and morphology of the plant may be recorded to inform hybridization analyses. Plant tissue DNA will be extracted using a Qiagen DNEasy plant kit and samples will be processed using sequence-capture methodology. Following analysis, sequence data will be uploaded to public repositories.

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

Person or Agency Carrying Out Project: Aspen Workman, Research Assistant, German Centre for Integrative Biodiversity Research (iDiv)

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 the genetic understanding of *Lupinus tidestromii* var. *tidestromii*. The permit issued by the California Department of Fish and Wildlife for the Project includes measures to ensure that existing populations of *Lupinus tidestromii* var. *tidestromii* are not detrimentally impacted by research activities.

Lead Agency Contact Person: Joanne Heraty

Area Code/Telephone/ Extension: (916) 594-4574

Signature: 
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Isabel Baer, Native Plant Program Manager

Date: 3/23/2023

Signed by Lead Agency

Date Received for filing at OPR: _____