

Many-Stemmed Dudleya Restoration at Pacific Horizon Preserve



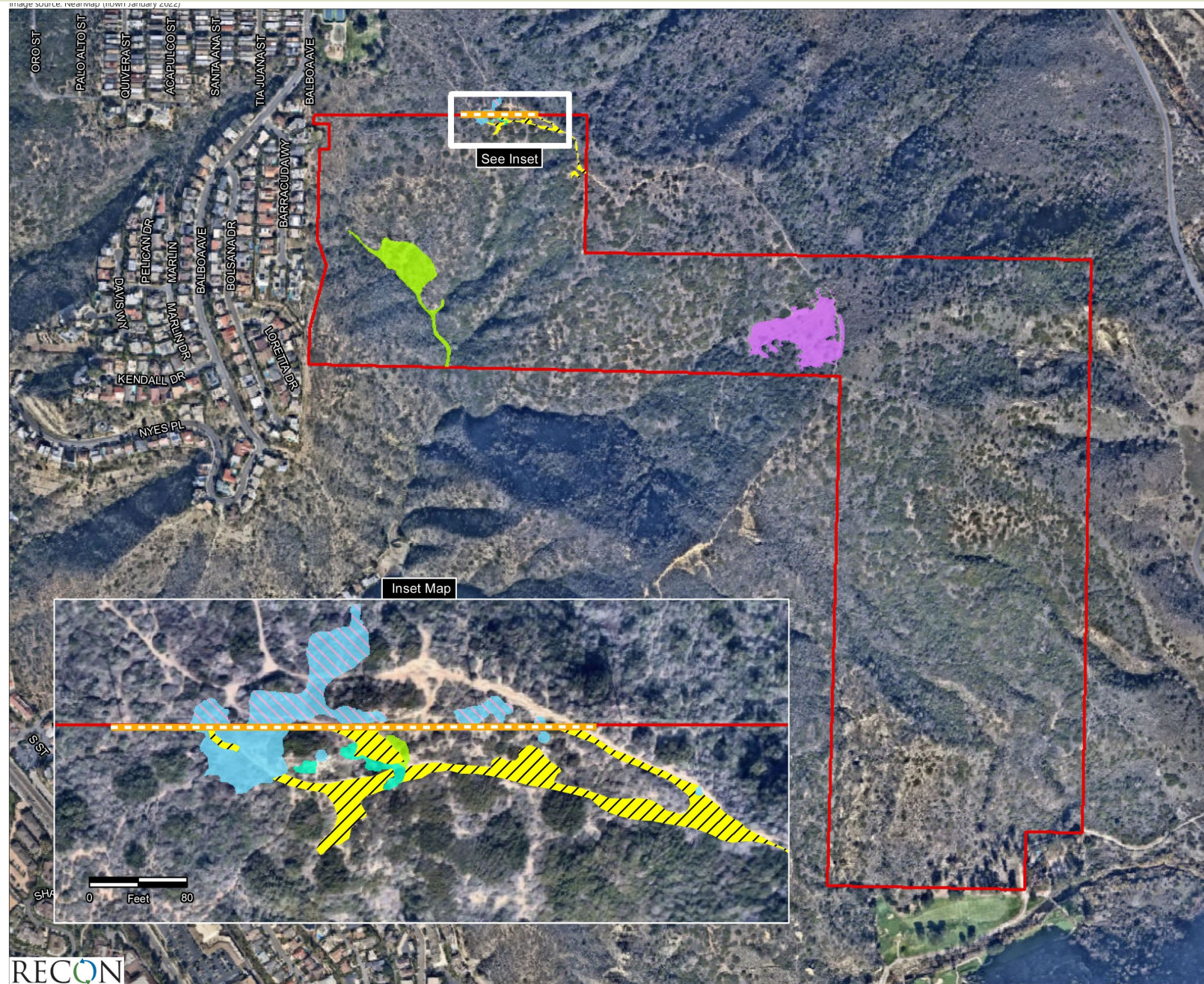
RECON



Restoration Project Overview

Habitat restoration of the many-stemmed dudleya (MSD) follows the Pacific Horizon Preserve Restoration Plan and addresses RMP directives pertaining to public access, trail closure and habitat restoration by the decommissioning of a trail segment that was threatening natural populations of MSD.

- Pacific Horizon Preserve Boundary
- Barbless Wire Fence (Repaired in 2021)
- Decommissioned Trail (October 2020)
- Invasive Species Control Areas**
 - Artichoke Thistle
 - Fountain Grass
 - Pampas Grass
 - Iceplant
 - Iceplant (County Lands)



Decommissioning of Trails

- Removal of bike jumps
- Decompaction of soil & vertical mulch
- Cactus planting



Site Protection

- Fence installation
- Wildlife cameras



Habitat Restoration Signage



Non-Native Invasive Plant Species Control



Life History of MSD

Many-stemmed dudleya (*Dudleya multicaulis*) is a perennial herb that is native to California, and endemic (limited) to California.

Family: Crassulaceae

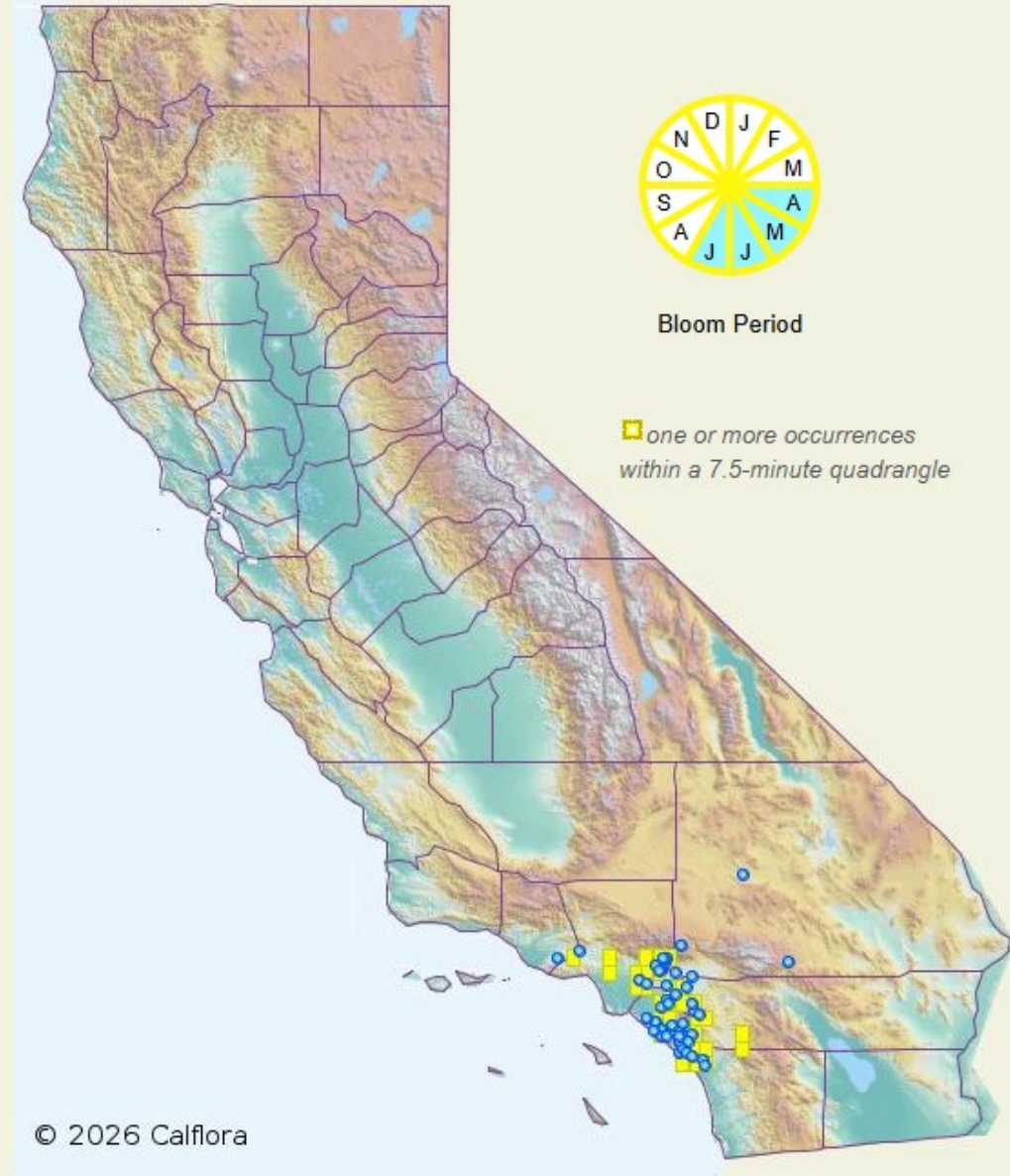
Genus: Dudleya



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The blue points on the map indicate observations in Calflora. Click on the map to view observations within a specific county.

MSD Monitoring of Natural Populations



MSD Seed Collection & Plant Propagation

- Seed was collected directly from natural populations of MSD within the Pacific Horizon Preserve in August 2023
- Collected MSD seed was delivered to Native West Nursery and used for MSD plant propagation
- Germinated seed was rooted in flats for future out-planting, projected for fall 2025

September 2024



August 2025



MSD at Native West Nursery

Targeted goal was to have 20 MSD plants growing per flat (within 25 flats) for a total of 500 MSD plants to install at the Preserve from 2025-2026.



MSD Plant Installation

75% of the MSD flats were installed in October 2025 with the goal of planting 500 MSD by fall 2026



MSD planting, October 2025












MSD Monitoring of Restored Populations (January 2026)



MSD Natural and Restored Locations



-  Pacific Horizon Preserve Bounday
- Unauthorized SCE Impacts**
-  Permanent Impacts
-  Temporary Impacts
-  Many-stemmed Dudleya Planting Locations
- Many-stemmed Dudleya By Suvey Year**
-  2015
-  2017
-  2019
-  2022
-  2023

Maintenance Program

- Hand watering to supplement natural rainfall
- Non-native invasive plant species control
- Additional MSD planting with remaining flats in fall 2026

