

Report for *Caulanthus simulans*

TAXON DETAILS

Classification

Scientific Name	<i>Caulanthus simulans</i> Pays.
Common Name	Payson's jewelflower
Family	Brassicaceae
Element Code	PDBRA0M0H0
USDA Plants Symbol	<u>CASI5</u>
Synonyms/Other Names	

Conservation Status

California Rare Plant Rank	4.2
Global Rank	G4
State Rank	S4
CESA	None
FESA	None
Other Status	SB_CRES; USFS_S
CRPR Changes	
Date Added	1974-01-01
Last Update	2022-12-06

Ecology and Life History

Lifeform	annual herb
Blooming Period	(Feb)Mar-May(Jun)
Elevation m (ft)	90-2200 (295-7220)
General Habitats	Chaparral, Coastal scrub
Microhabitat Details	
Microhabitat	Granitic, Sandy

Threat List Data from the CNDDB

Threat List Total:		3
	Total EOs	Percent EOs
EOs with Threats Listed	7	23%
Threat List:		
Development	6	19%
Road/trail construction/maint.	6	19%
Dam/Inundation	1	3%

Element Occurrence Data from the CNDDB

Total Element Occurrences:	31
Element Occurrence Ranks:	
Excellent (A)	0
Good (B)	0
Fair (C)	0
Poor (D)	0
None (X)	0
Unknown (U)	31
Occurrence Status	
Historical, > 20 years	31
Recent, < 20 years	0
Presence	
Presumed Extant	31
Possibly Extirpated	0
Presumed Extirpated	0

Location

California Endemic Yes

Counties

Orange (ORA), Riverside (RIV), San Diego (SDG)

States

California (CA)

Quads

Aguanga (3311647), Alpine (3211677), Anza (3311656), Bachelor Mtn. (3311751), Barrett Lake (3211666), Beaumont (3311688), Beauty Mountain (3311646), Bucksnot Mtn. (3311645), Butterfly Peak (3311655), Cabazon (3311687), Cameron Corners (3211664), Canada Gobernadora (3311755), Collins Valley (3311644), Cuyamaca Peak (3211685), Earthquake Valley (3311614), Fallbrook (3311743), Hemet (3311668), Hot Springs Mtn. (3311635), Idyllwild (3311666), Jacumba (3211662), Julian (3311615), Lake Elsinore (3311763), Lake Mathews (3311774), Lakeview (3311771), Las Pulgas Canyon (3311734), Live Oak Springs (3211663), Monument Peak (3211684), Mount Laguna (3211674), Pala (3311731), Palm Springs (3311675), Palm View Peak (3311665), Palomar Observatory (3311637), Pechanga (3311741), Perris (3311772), Ranchita (3311625), Romoland (3311762), Sage (3311658), San Jacinto (3311678), Sombrero Peak (3211673), Steele Peak (3311773), Sunnymead (3311782), Sweeney Pass (3211672), Temecula (3311742), Tierra Del Sol (3211653), Toro Peak (3311654), Tubb Canyon (3311624), Vail Lake (3311648), Warner Springs (3311636), Warners Ranch (3311626), Winchester (3311761)

Notes

Definitions of codes preceding a county and/or quad:

* Presumed extirpated

(*) Possibly extirpated

Species may be present in other areas where conditions are favorable. These data should NOT be substituted for pre-project review or for on-site surveys.

Notes

Confused with *C. heterophyllus* var. *pseudosimulans* (unpublished), which is more coastal. Some populations threatened by proposed reservoir construction, but many populations occur on public lands (Anza Borrego SP, BLM, and USFS). Also threatened by urbanization, invasive species, grazing, and road construction.

Threats

Taxonomy

Selected References

Suggested Citation

California Native Plant Society, Rare Plant Program. 2024. Rare Plant Inventory (online edition, v9.5). Website <https://www.rareplants.cnps.org> [accessed 28 July 2024].