

Report for *Caulanthus californicus*

TAXON DETAILS

Classification

Scientific Name	<i>Caulanthus californicus</i> (Wats.) Pays.
Common Name	California jewelflower
Family	Brassicaceae
Element Code	PDBRA31010
USDA Plants Symbol	
Synonyms/Other Names	

Conservation Status

California Rare Plant Rank	1B.1
Global Rank	G1
State Rank	S1
CESA	CE (01/01/87)
FESA	07/19/90 (07/19/90)
Other Status	SB_CalBG/RSABG; SB_SBBG; SB_UCBG
CRPR Changes	
Date Added	1984-01-01
Last Update	2021-10-04

Ecology and Life History

Lifeform	annual herb
Blooming Period	Feb-May
Elevation m (ft)	61-1000 (200-3280)
General Habitats	Chenopod scrub, Pinyon and juniper woodland, Valley and foothill grassland
Microhabitat Details	
Microhabitat	Sandy

Threat List Data from the CNDDDB

Threat List Total:		7
	Total EOs	Percent EOs
EOs with Threats Listed	52	78%
Threat List:		
Agriculture	26	38%
Grazing	24	35%
Development	11	16%
Other	6	8%
Non-native plant impacts	3	4%
Mining	2	2%
Insufficient population/stand size	1	1%

Element Occurrence Data from the CNDDDB

Total Element Occurrences:	67
Element Occurrence Ranks:	
Excellent (A)	8
Good (B)	22
Fair (C)	3
Poor (D)	2
None (X)	30
Unknown (U)	2
Occurrence Status	
Historical, > 20 years	54
Recent, < 20 years	13
Presence	
Presumed Extant	37
Possibly Extirpated	12
Presumed Extirpated	18

Location

California Endemic	Yes
Counties	
Fresno (FRE), Kern (KRN), Kings (KNG)*, San Luis Obispo (SLO), Santa Barbara (SBA), Tulare (TUL)*	
States	
California (CA)	
Quads	

Antelope Plain (3511967), Arvin (3511827)*, Avenal (3612012)*, Ballinger Canyon (3411984)*, Belridge (3511946)*, Clovis (3611976), Coalinga (3612023)*, Curry Mountain (3612014)*, Cuyama (3411985), Cuyama Peak (3411974)*, Delano East (3511972)*, Delano West (3511973)*, Edison (3511837)*, Elkhorn Hills (3511915), Emigrant Hill (3511968)*, Fox Mountain (3411975), Fresno North (3611977)*, Fresno South (3611967), Garza Peak (3512082)*, Huron (3612021)*, Kreyenhagen Hills (3612013), La Panza (3512032), La Panza Ranch (3512042), Lost Hills (3511956)*, Lost Hills NE (3511965), Malaga (3611966), Mouth of Kern (3511923), New Cuyama (3411986)*, Painted Rock (3511927)*, Pine Mountain (3511857)*, Pyramid Hills (3512071)*, Richgrove (3511971)*, Rio Bravo Ranch (3511847)*, Rosedale (3511942)*, Sausalito School (3511982)*, Semitropic (3511955), Stevens (3511932), Taft (3511924)*, Tejon Ranch (3511816), Tent Hills (3512072), Tulare (3611923)*, Wells Ranch (3511916)

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

Over 35 historical occurrences extirpated; new populations recently discovered. Threatened by agriculture, urbanization, energy development, and grazing, and possibly by non-native plants. Experimental reintroductions have occurred in KRN, SBA, and TUL counties, but all have failed. See *Fremontia* 16(1):18-19 (1988) for species account.

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 30 June 2024].