

## 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_CaIBG/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

<b>Threat List Total:</b>		7
	<b>Total EOs</b>	<b>Percent EOs</b>
<b>EOs with Threats Listed</b>	<b>52</b>	<b>78%</b>
<b>Threat List:</b>		
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

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

### Location

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

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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)

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## 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 5 May 2024].