

## Report for *Castela emoryi*

### TAXON DETAILS

#### Classification

<b>Scientific Name</b>	<i>Castela emoryi</i> (Gray) Moran & Felger
<b>Common Name</b>	Emory's crucifixion-thorn
<b>Family</b>	Simaroubaceae
<b>Element Code</b>	PDSIM03030
<b>USDA Plants Symbol</b>	<u>CAEM4</u>
<b>Synonyms/Other Names</b>	

#### Conservation Status

<b>California Rare Plant Rank</b>	2B.2
<b>Global Rank</b>	G3G4
<b>State Rank</b>	S2S3
<b>CESA</b>	None
<b>FESA</b>	None
<b>Other Status</b>	SB_CalBG/RSABG
<b>CRPR Changes</b>	changed from 2.2 to 2B.2 on 2013-06-12 changed from 2.3 to 2.2 on 2013-04-30
<b>Date Added</b>	1974-01-01
<b>Last Update</b>	2021-10-04

#### Ecology and Life History

<b>Lifeform</b>	perennial deciduous shrub
<b>Blooming Period</b>	(Apr)Jun-Jul(Sep-Oct)
<b>Elevation m (ft)</b>	90-725 (295-2380)
<b>General Habitats</b>	Mojavean desert scrub, Playas, Sonoran desert scrub
<b>Microhabitat Details</b>	
<b>Microhabitat</b>	Gravelly

## Threat List Data from the CNDDDB

<b>Threat List Total:</b>		10
	<b>Total EOs</b>	<b>Percent EOs</b>
<b>EOs with Threats Listed</b>	<b>22</b>	<b>40%</b>
<b>Threat List:</b>		
ORV activity	12	21%
Development	9	16%
Military operations	4	7%
Other	4	7%
Road/trail construction/maint.	4	7%
Vandalism/dumping/litter	2	3%
Non-native plant impacts	2	3%
Foot traffic/trampling	1	1%
Grazing	1	1%
Recreational use (non-ORV)	1	1%

## Element Occurrence Data from the CNDDDB

<b>Total Element Occurrences:</b>	55
<b>Element Occurrence Ranks:</b>	
Excellent (A)	2
Good (B)	8
Fair (C)	4
Poor (D)	5
None (X)	3
Unknown (U)	33
<b>Occurrence Status</b>	
Historical, > 20 years	24
Recent, < 20 years	31
<b>Presence</b>	
Presumed Extant	52
Possibly Extirpated	3
Presumed Extirpated	0

## Location

<b>California Endemic</b>	No
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### **Counties**

Imperial (IMP), Inyo (INY), Riverside (RIV), San Bernardino (SBD)
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### **States**

Arizona (AZ), California (CA), Sonora, Mexico (SO)
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### **Quads**

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Amboy (3411556), Broadwell Lake (3411672), Chuckwalla Spring (3311542), Cibola (3311436), Clarks Pass (3411515), Corn Spring (3311563), Coxcomb Mts. (3311583), Coyote Wells (3211568), Daggett (3411678), Dale Lake (3411526), Desert Center (3311564), Dunn (3511614), East of Dale Lake (3411525), East of Red Canyon (3311555), Emerson Lake (3411644), Goffs (3411581), Hayfield (3311566), Hayfield Spring (3311565), Hector (3411674), Lavic Lake (3411663), Ludlow (3411662), Minneola (3411677), Morgans Well (3411652), Mt. Barrow (3311428), Nebo (3411688), New Dale (3411516), Palen Mountains (3311571), Palo Verde (3311446), Palo Verde Peak (3311437), Parker (3411423), Rice (3411417), Savahia Peak NE (3411445), Savahia Peak NW (3411446), Sleeping Beauty (3411673), Snaggletooth (3411456), Stepladder Mts. NW (3411468), Sunshine Peak (3411664)?, Thumb Peak (3311447), Trona East (3511773), Troy Lake (3411675), Victory Pass (3311574), West of Palo Verde Peak (3311438), West of Soda Lake (3511622), Wileys Well (3311448), Yermo (3411687), Yuha Basin (3211567)

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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**

Threatened by solar energy development and military activities. Possibly threatened by road maintenance and herbicide use.

## **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 7 November 2024].