

## Report for *Castela emoryi*

### TAXON DETAILS

#### Classification

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

#### Conservation Status

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

#### Ecology and Life History

Lifeform	perennial deciduous shrub
Blooming Period	(Apr)Jun-Jul(Sep-Oct)
Elevation m (ft)	90-725 (295-2380)
General Habitats	Mojavean desert scrub, Playas, Sonoran desert scrub
Microhabitat Details	
Microhabitat	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 5 July 2024].