

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	CAEM4
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

Threat List Total:		10
	Total EOs	Percent EOs
EOs with Threats Listed	22	40%
Threat List:		
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

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

Location

California Endemic	No
Counties	
Imperial (IMP), Inyo (INY), Riverside (RIV), San Bernardino (SBD)	
States	
Arizona (AZ), California (CA), Sonora, Mexico (SO)	
Quads	

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)

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

Taxononmy

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 15 May 2024].