

## Report for *Petalonyx thurberi* ssp. *gilmanii*

### TAXON DETAILS

#### Classification

Scientific Name	<i>Petalonyx thurberi</i> Gray ssp. <i>gilmanii</i> (Munz) Davis & Thompson
Common Name	Death Valley sandpaper-plant
Family	Loasaceae
Element Code	PDLOA04041
USDA Plants Symbol	<u>PETHG</u>
Synonyms/Other Names	<u><i>Petalonyx gilmanii</i></u>

#### Conservation Status

California Rare Plant Rank	1B.3
Global Rank	G5T2
State Rank	S2
CESA	None
FESA	None
Other Status	BLM_S; SB_CalBG/RSABG
CRPR Changes	
Date Added	1974-01-01
Last Update	2022-12-06

#### Ecology and Life History

Lifeform	perennial evergreen shrub
Blooming Period	May-Sep
Elevation m (ft)	260-1445 (855-4740)
General Habitats	Desert dunes, Mojavean desert scrub
Microhabitat Details	
Microhabitat	

## Threat List Data from the CNDDDB

<b>Threat List Total:</b>		8
	<b>Total EOs</b>	<b>Percent EOs</b>
<b>EOs with Threats Listed</b>	<b>10</b>	<b>56%</b>
<b>Threat List:</b>		
Road/trail construction/maint.	6	33%
Mining	4	22%
ORV activity	2	11%
Other	1	5%
Recreational use (non-ORV)	1	5%
Non-native plant impacts	1	5%
Erosion/runoff	1	5%
Foot traffic/trampling	1	5%

## Element Occurrence Data from the CNDDDB

<b>Total Element Occurrences:</b>	18
<b>Element Occurrence Ranks:</b>	
Excellent (A)	1
Good (B)	5
Fair (C)	4
Poor (D)	0
None (X)	0
Unknown (U)	8
<b>Occurrence Status</b>	
Historical, > 20 years	11
Recent, < 20 years	7
<b>Presence</b>	
Presumed Extant	18
Possibly Extirpated	0
Presumed Extirpated	0

## Location

<b>California Endemic</b>	Yes
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### **Counties**

Inyo (INY), San Bernardino (SBD)
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### **States**

California (CA)
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### **Quads**

Cottonwood Canyon (3611753), Darwin (3611735), East of Sand Flat (3611763), Fall Canyon (3611772), Ibex Spring (3511674), Maturango Peak NE (3611723), Maturango Peak SE (3611713), Nova Canyon (3611733), Old Ibex Pass (3511664), Panamint Springs (3611734), Ryan (3611636), Stovepipe Wells (3611752), The Dunes (3611744), Ubehebe Crater (3711714)
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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**

Distinctiveness from ssp. *thurberi* needs study.

## **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 6 May 2024].