

## Report for *Extriplex joaquinana*

### TAXON DETAILS

#### Classification

Scientific Name	<i>Extriplex joaquinana</i> (A. Nelson) E.H. Zacharias
Common Name	San Joaquin spearscale
Family	Chenopodiaceae
Element Code	PDCHE041F3
USDA Plants Symbol	
Synonyms/Other Names	<u><i>Atriplex patula</i> L. ssp. <i>spicata</i> (Wats.) Hall &amp; Clem.</u> <u><i>Atriplex joaquiniana</i></u>

#### Conservation Status

California Rare Plant Rank	1B.2
Global Rank	G2
State Rank	S2
CESA	None
FESA	None
Other Status	BLM_S; SB_CalBG/RSABG
CRPR Changes	
Date Added	1988-01-01
Last Update	2022-01-05

#### Ecology and Life History

Lifeform	annual herb
Blooming Period	Apr-Oct
Elevation m (ft)	1-835 (5-2740)
General Habitats	Chenopod scrub, Meadows and seeps, Playas, Valley and foothill grassland
Microhabitat Details	
Microhabitat	Alkaline

**Threat List Data from the CNDDB**

<b>Threat List Total:</b>		15
	<b>Total EOs</b>	<b>Percent EOs</b>
<b>EOs with Threats Listed</b>	<b>82</b>	<b>65%</b>
<b>Threat List:</b>		
Development	36	28%
Grazing	35	27%
Agriculture	18	14%
Non-native plant impacts	8	6%
Other	6	4%
Road/trail construction/maint.	6	4%
Foot traffic/trampling	6	4%
Disking	5	3%
Erosion/runoff	2	1%
ORV activity	2	1%
Landfill	1	0%
Biocides	1	0%
Surface water diversion	1	0%
Waterway bank protection/maintenance	1	0%
Recreational use (non-ORV)	1	0%

**Element Occurrence Data from the CNDDB**

<b>Total Element Occurrences:</b>	127
<b>Element Occurrence Ranks:</b>	
Excellent (A)	5
Good (B)	28
Fair (C)	25
Poor (D)	8
None (X)	13
Unknown (U)	48
<b>Occurrence Status</b>	
Historical, > 20 years	71
Recent, < 20 years	56
<b>Presence</b>	
Presumed Extant	114
Possibly Extirpated	4
Presumed Extirpated	9

**Location**

**California Endemic** Yes

**Counties**

Alameda (ALA), Colusa (COL), Contra Costa (CCA), Fresno (FRE), Glenn (GLE), Merced (MER), Napa (NAP), Sacramento (SAC), San Benito (SBT), San Joaquin (SJV)\*, San Luis Obispo (SLO)?, Solano (SOL), Yolo (YOL)

## States

California (CA)

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## Quads

Altamont (3712166), Antioch North (3812117), Antioch South (3712187), Arena (3712036), Brentwood (3712186), Byron Hot Springs (3712176), Ciervo Mtn. (3612045), Clifton Court Forebay (3712175), Colusa (3912221), Cuttings Wharf (3812223), Davis (3812156), Denverton (3812128), Diablo (3712178)\*, Dozier (3812137), Dunnigan (3812188)\*, Elmira (3812138)\*, Fairfield North (3812231), Fairfield South (3812221), Glascock Mtn. (3812283), Grays Bend (3812166), Gustine (3712038), Hepsedam Peak (3612037), Hollister (3612174), Las Trampas Ridge (3712271), Liberty Island (3812136), Livermore (3712167), Logandale (3912242), Manor Slough (3912223), Maxwell (3912232), Milpitas (3712148), Morro Bay North (3512047), Morro Bay South (3512037)?, Napa (3812233), Newark (3712251), Niles (3712158), Oakland West (3712273)\*, Rio Vista (3812126)\*, Rock Spring Peak (3612048), Salt Canyon (3912213), San Felipe (3612184)\*, Saxon (3812146), Sites (3912233), Stockton West (3712183)\*, Stonyford (3912245), Tassajara (3712177), Tres Pinos (3612173), Vine Hill (3812211), Walnut Creek (3712281), Wilbur Springs (3912214), Wildwood School (3812281), Williams (3912222), Willows (3912252)\*, Woodward Island (3712185)

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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

Many occurrences extirpated. Need historical quads for TUL Co. Need quads for MNT Co. Report from SLO Co. (247D) needs verification. Threatened by grazing, agriculture, development, and non-native plants. See *Proceedings of the American Academy of Arts and Sciences* 9:108 (1874) for original description, *Proceedings of the Biological Society of Washington* 17:99 (1904) for alternative nomenclature, and *Systematic Botany* 35(4):839-857 (2010) for revised nomenclature.

## 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 22 December 2024].