

Report for *Sagittaria sanfordii*

TAXON DETAILS



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Classification

Scientific Name	<i>Sagittaria sanfordii</i> Greene
Common Name	Sanford's arrowhead
Family	Alismataceae
Element Code	PMALI040Q0
USDA Plants Symbol	<u>SASA2</u>
Synonyms/Other Names	

Conservation Status

California Rare Plant Rank	1B.2
Global Rank	G3
State Rank	S3
CESA	None
FESA	None
Other Status	BLM_S
CRPR Changes	
Date Added	1984-01-01
Last Update	2023-12-05

Ecology and Life History

Lifeform	perennial rhizomatous herb (emergent)
Blooming Period	May-Oct(Nov)
Elevation m (ft)	0-650 (0-2135)
General Habitats	Marshes and swamps (shallow freshwater)
Microhabitat Details	
Microhabitat	

Threat List Data from the CNDDDB

Threat List Total:		17
	Total EOs	Percent EOs
EOs with Threats Listed	72	50%
Threat List:		
Other	27	18%
Waterway bank protection/maintenance	22	15%
Development	14	9%
Grazing	10	6%
Altered flood/tidal/hydrologic regime	9	6%
Biocides	7	4%
Non-native plant impacts	7	4%
Road/trail construction/maint.	6	4%
Recreational use (non-ORV)	5	3%
Vandalism/dumping/litter	4	2%
Erosion/runoff	4	2%
Foot traffic/trampling	3	2%
Dam/Inundation	2	1%
Feral pigs	1	0%
Agriculture	1	0%
Mining	1	0%
Surface water diversion	1	0%

Element Occurrence Data from the CNDDDB

Total Element Occurrences:	143
Element Occurrence Ranks:	
Excellent (A)	15
Good (B)	41
Fair (C)	28
Poor (D)	4
None (X)	10
Unknown (U)	45
Occurrence Status	
Historical, > 20 years	49
Recent, < 20 years	94
Presence	
Presumed Extant	133
Possibly Extirpated	8
Presumed Extirpated	2

Location

California Endemic	Yes
Counties	

Butte (BUT), Del Norte (DNT), El Dorado (ELD), Fresno (FRE), Kings (KNG), Los Angeles (LAX), Madera (MAD), Marin (MRN), Mariposa (MPA), Merced (MER), Napa (NAP), Orange (ORA), Sacramento (SAC), San Bernardino (SBD), San Joaquin (SJQ), San Mateo (SMT), Santa Clara (SCL), Shasta (SHA), Solano (SOL), Sutter (SUT), Tehama (TEH), Tulare (TUL), Ventura (VEN)*, Yuba (YUB)

States

California (CA)

Quads

Atwater (3712035), Bend (4012232), Berry Creek (3912164), Biggs (3912146), Bruceville (3812134), Buffalo Creek (3812152), Carbondale (3812141), Carmichael (3812153), Citrus Heights (3812163), Clarksville (3812161), Clovis (3611976), Courtland (3812135), Crescent City (4112472), Cucamonga Peak (3411725), Dales (4012231), Delta Ranch (3712016), Elk Grove (3812143), Firebaugh (3612074), Florin (3812144), Folsom (3812162), Folsom SE (3812151), Fresno North (3611977), Friant (3611986), Galt (3812133), Glendora (3411727), Gridley (3912136), Guernsey (3611926), Gustine (3712038), Herndon (3611978), Ingomar (3712028), Inverness (3812217), Isleton (3812125), Ivanhoe (3611942), Jamesan (3612062), Liberty Island (3812136), Lockeford (3812122), Los Alamitos (3311871), Los Banos (3712017), Los Gatos (3712128), Matilija (3411943)*, Mendota Dam (3612073), Merced (3712034), Monson (3611943), Nicolaus (3812185), Olivehurst (3912115), Orange Cove North (3611963), Orange Cove South (3611953), Owens Reservoir (3712032), Palo Alto (3712242), Piedra (3611974), Project City (4012263), Reedley (3611954), Richardson Springs NW (3912188), Rio Linda (3812164), Rio Vista (3812126), Sacramento East (3812154), San Dimas (3411717), San Luis Ranch (3712027), Sloughhouse (3812142), Stockton West (3712183), Thornton (3812124), Tranquillity (3612063), Turner Ranch (3712026), Van Nuys (3411824), Wahtoke (3611964), Waterloo (3812112), Whiskeytown (4012265), Yosemite Lake (3712044), Yountville (3812243)

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

Extirpated from southern California, and mostly extirpated from the Central Valley. Several SAC Co. occurrences not relocated during fieldwork in 2005. See *Pittonia* 2:158 (1890) for original description.

Threats

Threatened by grazing, development, recreational activities, non-native plants, road widening, and channel alteration and maintenance.

Taxonomy

Threatened by grazing, development, recreational activities, non-native plants, road widening, and channel alteration and maintenance.

Selected References

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