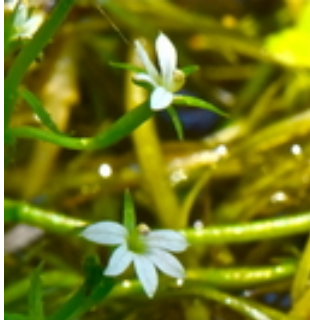
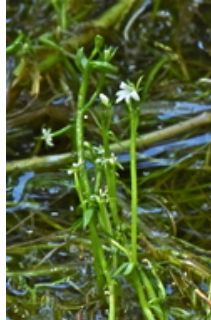


Report for *Howellia aquatilis*

TAXON DETAILS



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Classification

Scientific Name	<i>Howellia aquatilis</i> Gray
Common Name	water howellia
Family	Campanulaceae
Element Code	PDCAM0A010
USDA Plants Symbol	<u>HOAQ</u>
Synonyms/Other Names	

Conservation Status

California Rare Plant Rank	2B.2
Global Rank	G3
State Rank	S2
CESA	None
FESA	7/16/21 (7/16/21)
Other Status	
CRPR Changes	changed from 2.2 to 2B.2 on 2013-06-12
Date Added	1974-01-01
Last Update	2023-06-06

Ecology and Life History

Lifeform	annual herb (aquatic)
Blooming Period	Jun
Elevation m (ft)	1085-1290 (3560-4230)
General Habitats	Marshes and swamps (freshwater)
Microhabitat Details	
Microhabitat	

Threat List Data from the CNDDDB

Threat List Total:		3
	Total EOs	Percent EOs
EOs with Threats Listed	3	43%
Threat List:		
Foot traffic/trampling	1	14%
Non-native plant impacts	1	14%
Other	1	14%

Element Occurrence Data from the CNDDDB

Total Element Occurrences:	7
Element Occurrence Ranks:	
Excellent (A)	2
Good (B)	2
Fair (C)	1
Poor (D)	0
None (X)	0
Unknown (U)	2
Occurrence Status	
Historical, > 20 years	1
Recent, < 20 years	6
Presence	
Presumed Extant	7
Possibly Extirpated	0
Presumed Extirpated	0

Location

California Endemic	No
Counties	
Humboldt (HUM), Mendocino (MEN), Trinity (TRI)	
States	
California (CA), Idaho (ID), Montana (MT), Oregon (OR)*, Washington (WA)	
Quads	
Alderpoint (4012325), Black Lassic (4012335), Buck Rock (3912288), Fort Seward (4012326), Leech Lake Mtn. (3912381)	

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

Federally listed as threatened on 1994-08-15; Delisted due to Recovery on 2021-07-16. Rediscovered in CA in 1996 by D. Isle and D. Eiseff. Previously known in CA from only a single collection near Howard Lake in 1928; where possibly extirpated by cattle grazing and trampling. Endangered in ID and OR, and state-listed as Threatened in WA.

Threats

Threatened by hydrological alteration, grazing, and trampling.

Taxononmy

Threatened by hydrological alteration, grazing, and trampling.

Selected References

Original Description: *Proceedings of the American Academy of Arts and Sciences* 15:43 (1879)

Species Account: *Howellia aquatilis* profile for potential Species of Conservation Concern evaluation (2018)

Other: Recovery Plan for *Howellia aquatilis* (water howellia) (USFWS 1996)

Other: *Wasmann Journal of Biology* 33:90-91 (1975) [CA record]

Other: *Conservation Biology* 2(3):275-282 (1988) [Ecological information]

Other: *Fremontia* 25:3 (1997) [Account of rediscovery]

Suggested Citation

California Native Plant Society, Rare Plant Program. 2024. Rare Plant Inventory (online edition, v9.5). Website <https://www.rareplants.cnps.org> [accessed 7 May 2024].