

Report for *Botrychium minganense*

TAXON DETAILS



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Classification

Scientific Name	<i>Botrychium minganense</i> Victorin
Common Name	Mingan moonwort
Family	Ophioglossaceae
Element Code	PPOPH010R0
USDA Plants Symbol	<u>BOMI</u>
Synonyms/Other Names	

Conservation Status

California Rare Plant Rank	4.2
Global Rank	G5
State Rank	S4
CESA	None
FESA	None
Other Status	USFS_S
CRPR Changes	changed from 2B.2 to 4.2 on 2023-02-15 changed from 2.2 to 2B.2 on 2013-06-12
Date Added	1994-01-01
Last Update	2023-06-06

Ecology and Life History

Lifeform	perennial rhizomatous herb
Blooming Period	Jul-Sep(Oct)
Elevation m (ft)	1190-3290 (3905-10795)
General Habitats	Bogs and fens, Lower montane coniferous forest, Meadows and seeps (edges), Upper montane coniferous forest
Microhabitat Details	Frequently co-occurs with <i>B. ascendens</i> , <i>B. crenulatum</i> or <i>B. montanum</i>
Microhabitat	Mesic

Threat List Data from the CNDDDB

Threat List Total:		14
	Total EOs	Percent EOs
EOs with Threats Listed	93	58%
Threat List:		
Logging	43	26%
Grazing	28	17%
Foot traffic/trampling	20	12%
Other	15	9%
Road/trail construction/maint.	10	6%
Wood cutting or brush clearing	6	3%
Altered flood/tidal/hydrologic regime	6	3%
Improper burning regime	5	3%
Surface water diversion	3	1%
Recreational use (non-ORV)	3	1%
Non-native plant impacts	3	1%
ORV activity	3	1%
Groundwater pumping	1	0%
Vandalism/dumping/litter	1	0%

Element Occurrence Data from the CNDDDB

Total Element Occurrences:	161
Element Occurrence Ranks:	
Excellent (A)	11
Good (B)	48
Fair (C)	22
Poor (D)	11
None (X)	1
Unknown (U)	68
Occurrence Status	
Historical, > 20 years	18
Recent, < 20 years	143
Presence	
Presumed Extant	160
Possibly Extirpated	1
Presumed Extirpated	0

Location

California Endemic	No
Counties	
Amador (AMA), Butte (BUT), Calaveras (CAL), El Dorado (ELD), Fresno (FRE), Lassen (LAS), Madera (MAD), Modoc (MOD), Mono (MNO), Nevada (NEV), Placer (PLA), Plumas (PLU), Shasta (SHA), Sierra (SIE), Siskiyou (SIS), Tehama (TEH), Trinity (TRI), Tulare (TUL), Tuolumne (TUO)	

States

Alaska (AK), Arizona (AZ), California (CA), Colorado (CO), Idaho (ID), Maine (ME), Michigan (MI), Minnesota (MN), Montana (MT), Nevada (NV), New Hampshire (NH), North Dakota (ND), Oregon (OR), South Dakota (SD), Utah (UT), Vermont (VT)*, Washington (WA), Wisconsin (WI), Wyoming (WY)

Quads

American House (3912161), Antelope Mtn. (4012058), Barkley Mtn. (4012126), Bear River Reservoir (3812052), Belden (4012113), Blairsden (3912075), Boards Crossing (3812032), Bunker Hill (3912014), Butte Meadows (4012115), Calaveras Dome (3812042), Canyon Dam (4012121), Caples Lake (3812061), Cascade (3912162), Cherry Lake North (3811918), Convict Lake (3711857), Crocker Mtn. (3912084), Diamond Mtn. (4012036), Dorrington (3812033), Duncan Peak (3912025), Dunderberg Peak (3811913), Emerald Bay (3812081), Emigrant Lake (3811926), Fredonyer Pass (4012037), Grays Peak (4012146), Grizzly Valley (3912085), Hatchet Mtn. Pass (4012177), Haypress Valley (3912055), Hobart Mills (3912042), Hull Creek (3812011), Humboldt Peak (4012124), Humbug Valley (4012123), Independence Lake (3912043), Jonesville (4012114), Kaiser Peak (3711932), Kimshew Point (3912184), Kyburz (3812073), La Porte (3912068), Lassen Peak (4012145), Leek Spring Hill (3812063), Liberty Hill (3812031), Little Shuteye Peak (3711944), Lodgepole (3611856), Loon Lake (3812083), Lyonsville (4012136), Martis Peak (3912031), Meeks Bay (3912011), Miller Mtn. (4012167), Mineral (4012135), Moses Mtn. (3611836), Mt. Harkness (4012143), Mt. Silliman (3611866), Mumbo Basin (4112225), Norden (3912033), North Palisade (3711815), Onion Valley (3912078), Peddler Hill (3812053), Pegleg Mtn. (4012048), Red Cinder (4012142), Riverton (3812074), Robbs Peak (3812084), Roop Mountain (4012047), Sattley (3912054), Seven Lakes Basin (4112224), Shields Creek (4112043), Silver City (3611846), Skunk Ridge (4112117), Soapstone Hill (3912173), South Lake Tahoe (3811988), Sphinx Lakes (3611865), Swain Mountain (4012141), Tahoe City (3912022), Tamarack (3812041), Tangle Blue Lake (4112226), Templeton Mtn. (3611832), Tioga Pass (3711983), Tragedy Spring (3812062), Triple Divide Peak (3611855), Viola (4012156), West Haight Mtn. (4112251), Westwood East (4012038), Westwood West (4012131), Ycatapom Peak (4112217)

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

Threats

Threatened by logging and related activities, livestock grazing and trampling, _____

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Selected References

CNPS Status Review: Proposed Change from CRPR 2B.2, G5 / S3 to 4.2, G5 / S4

Original Description: *Proceedings and Transactions of the Royal Society of Canada*, sér. 3, 21: ...

Other: *Molecular Phylogenetics and Evolution* 120: 342–353 (2018)

Suggested Citation

California Native Plant Society, Rare Plant Program. 2024. Rare Plant Inventory (online edition, v9.5). Website <https://www.rareplants.cnps.org> [accessed 25 April 2024].