

## Report for *Botrychium pinnatum*

### TAXON DETAILS



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### Classification

Scientific Name	<i>Botrychium pinnatum</i> St. John
Common Name	northwestern moonwort
Family	Ophioglossaceae
Element Code	PPOPH010V0
USDA Plants Symbol	<u>BOPI</u>
Synonyms/Other Names	

### Conservation Status

California Rare Plant Rank	2B.3
Global Rank	G5
State Rank	S2
CESA	None
FESA	None
Other Status	USFS_S
CRPR Changes	changed from 2.3 to 2B.3 on 2013-06-12
Date Added	1994-01-01
Last Update	2022-08-02

### Ecology and Life History

Lifeform	perennial rhizomatous herb
Blooming Period	Jul-Oct
Elevation m (ft)	1770-2040 (5805-6695)
General Habitats	Lower montane coniferous forest, Meadows and seeps, Upper montane coniferous forest
Microhabitat Details	
Microhabitat	Mesic

## 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>5</b>	<b>63%</b>
<b>Threat List:</b>		
Grazing	3	37%
Logging	2	25%
Other	1	12%
Recreational use (non-ORV)	1	12%
Road/trail construction/maint.	1	12%
Development	1	12%
Erosion/runoff	1	12%
Foot traffic/trampling	1	12%

## Element Occurrence Data from the CNDDDB

<b>Total Element Occurrences:</b>	8
<b>Element Occurrence Ranks:</b>	
Excellent (A)	0
Good (B)	3
Fair (C)	1
Poor (D)	2
None (X)	0
Unknown (U)	2
<b>Occurrence Status</b>	
Historical, > 20 years	3
Recent, < 20 years	5
<b>Presence</b>	
Presumed Extant	8
Possibly Extirpated	0
Presumed Extirpated	0

## Location

<b>California Endemic</b>	No
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### **Counties**

Lassen (LAS), Modoc (MOD), Plumas (PLU), Shasta (SHA), Siskiyou (SIS)
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### **States**

Alaska (AK), Arizona (AZ), California (CA), Colorado (CO), Idaho (ID), Montana (MT), Nevada (NV), Oregon (OR), Utah (UT), Washington (WA), Wyoming (WY)
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### **Quads**

Ash Creek Butte (4112241), Davis Creek (4112063), Etna (4112248), Grays Peak (4012146), McCloud (4112232), Mt. Harkness (4012143), Swain Mountain (4012141)
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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**

Threatened by trampling and grazing. Threatened in ID, endangered in OR, and state-listed as Sensitive in WA. See *American Fern Journal* 19:11 (1929) for original description.

## **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 29 April 2024].