

Report for *Botrychium paradoxum*

TAXON DETAILS



©2011 Ryan Batten



© 2011 Ryan Batten



©2011 Ryan Batten

Classification

| | |
|-----------------------------|---|
| Scientific Name | <i>Botrychium paradoxum</i> W.H. Wagner |
| Common Name | paradox moonwort |
| Family | Ophioglossaceae |
| Element Code | PPOPH010J0 |
| USDA Plants Symbol | <u>BOPA9</u> |
| Synonyms/Other Names | |

Conservation Status

| | |
|-----------------------------------|--|
| California Rare Plant Rank | 2B.1 |
| Global Rank | G3G4 |
| State Rank | S1 |
| CESA | None |
| FESA | None |
| Other Status | USFS_S |
| CRPR Changes | changed from 2.1 to 2B.1 on 2013-06-12 added to 2.1 on 2012-03-05 |
| Date Added | 2012-03-05 |
| Last Update | 2023-06-06 |

Ecology and Life History

| | |
|-----------------------------|--|
| Lifeform | perennial rhizomatous herb |
| Blooming Period | Aug |
| Elevation m (ft) | 1740-4200 (5710-13780) |
| General Habitats | Alpine boulder and rock field (limestone, marble), Upper montane coniferous forest (moist) |
| Microhabitat Details | |
| Microhabitat | |

Threat List Data from the CNDDDB

| | | |
|-------------------------|-----------|-------------|
| Threat List Total: | | 0 |
| | Total EOs | Percent EOs |
| EOs with Threats Listed | 0 | % |
| Threat List: | | |

Element Occurrence Data from the CNDDDB

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

Location

| | |
|---|----|
| California Endemic | No |
| Counties | |
| Madera (MAD), Mariposa (MPA), Tuolumne (TUO) | |
| States | |
| California (CA), Colorado (CO), Idaho (ID), Montana (MT), Oregon (OR), Utah (UT), Washington (WA), Wyoming (WY) | |
| Quads | |
| Dunderberg Peak (3811913), Vogelsang Peak (3711973) | |

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

Discovered in CA by Alison Colwell in the vicinity of Yosemite NP. Potentially threatened by hydrological alterations caused by logging activities. Easy to identify due to two nearly identical sporophores and no trophophore; other *Botrychium* spp. will occasionally produce a spore-bearing trophophore, but the two leaf segments are generally not identical. Not in *The Jepson Manual* (1993). See *American Fern Journal* 71(1):20-30 (1981) for original description, and 85(4):375-394 (1995) for taxonomic treatment.

Threats

Taxononmy

Selected References

CNPS Status Review: Proposed Addition to Rank 2.1, G3G4 / S1 (2012)

Suggested Citation

California Native Plant Society, Rare Plant Program. 2024. Rare Plant Inventory (online edition, v9.5). Website <https://www.rareplants.cnps.org> [accessed 10 May 2024].