

Heritage Ranking Form - State Rank

Scientific Name: Botrychium paradoxum

Common Name: Twin-spike moonwort

Classification: Vascular Plant

Range Extent: DE = 1000-20,000 sq km (~400-8000 sq miles)

9285 km² range if all populations are considered extant in 2013 (plants have not been reported since 1990s).

Population Size: A = 1 - 50 individuals

Comments: 21 plants seen in 1990s. None reported since; only 2 revisits that did not find plants, but could have been due to late survey timing or drought year.

Number of

Occurrences: B = 6 - 20

Comments: 6 EOs using 1 km separation distance.

Area of Occupancy: D = 6-25 4-km² grid cells

Comments: 6 4km² grid cells with EOs.

Good Viability: A = No occurrences with excellent or good (A or B) viability or ecological integrity

Comments: None

Environmental

Specificity: B = Narrow. Specialist or community with key requirements common

Comments: Montane to subalpine grasslands or forb-dominated meadows. Also in western red cedar (*Thuja plicata*) forests.

Short Term Trends: U = Unknown

Comments: None

Long Term Trends: U = Unknown

Comments: None

Threat Impact: B = High

Comments: Grazing, trampling, non-native species, and off-road vehicle use. Moderately vulnerable to climate change.

Intrinsic Vulnerability: Not Evaluated

Comments: None

Heritage Rank: S1

Comments: Very small population known in Oregon, and no plants have been reported since the 1990s (though only 2 sites have been revisited).

Rank Notes: None

Reference: None

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Rank Author: Lindsey Wise

Oregon Biodiversity Information Center
Institute for Natural Resources
Portland State University
Mail Stop: INR, PO Box 751
Portland, OR 97207-0751
503-725-9950
www.orbic.pdx.edu