

Heritage Ranking Form - State Rank

Scientific Name: Bensoniella oregana

Common Name: Bensonia

Classification: Vascular Plant

Range Extent: D = 1,000-5,000 sq km (~400-2,000 sq mi)

Comments: 880 square miles, convex hull using ORBIC Eos

Area of Occupancy: E = 26-125 4-km² grid cells

Comments: 82 grid cells

Number of Occurrences: C = 21 - 80

Comments: 43 Oregon occurrences (1 km separation distance)

Population Size: F = 10,000 - 100,000 individuals

Comments: 42000-49000 plants. Estimated genets at 28000-39000 using Lang's, 20%-33% of plant numbers

Good Viability: C = Few (4-12) occurrences with excellent or good viability or ecological integrity

Comments: 6-12 Eos considered good to excellent. The lower range is if genets used for estimate.

Environmental

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

Comments: Restricted to moist habitat along edges of streams, meadows, and wet boggy areas. Soils that are moist, but not saturated, from flowering until ovule development has started. Soil is metasedimentary not granitics, ultramafics or sandy (Copeland 1980). Also appears to be limited to areas influenced by coastal summer fog (Copeland 1980).

Short Term Trends: U = Unknown

Comments: None

Long Term Trends: FG = Decline of <30% to relatively stable

Comments: Populations believed to be relatively stable in the long term.

Threat Impact: A = Very High

Comments: Species appears to have a narrow moisture requirements for reproduction. Requiring the soil to be neither too dry nor too moist for ovule development (Copeland 1980).

Intrinsic Vulnerability: Not Evaluated

Comments: None

Heritage Rank: S3

Comments: Limited in number and area. Threat impact very high due to narrow moisture requirement which might make it susceptible to global climate change

Rank Notes: Calculator Rank (unrevised)=S3?.

Reference: Copeland, W.N. 1980. Field study and status report *Bensoniella oregana*. Final summary submitted to US Forest Service, Six Rivers NF. Unpublished document. | Lang, F.A. 1988. Species Management Guide for *Bensoniella oregana* (Abrams & Bacig.) Morton. Unpublish document, Siskiyou NF, Grants Pass, OR.

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Rank Author: Vrilakas, Sue

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