

# Heritage Ranking Form - Global Rank

**Scientific Name:** Luina serpentina

**Common Name:** Colonial luina

**Classification:** Vascular Plant

**Range Extent:** B = 100-250 sq km (~40-100 sq mi)

Comments: 89 sq. mi., convex hull; eastern Oregon local endemic

**Area of Occupancy:** E = 26-125 4-km<sup>2</sup> grid cells

Comments: 30-39 grid cells

**Number of Occurrences:** B = 6 - 20

Comments: 8 occurrences, with 1 km separation distance

**Population Size:** E = 2,500 - 10,000 individuals

Comments: Estimated 4600 clumps

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

Comments: None

**Environmental Specificity:** Not Evaluated

Comments: None

**Short Term Trends:** G = Relatively Stable (<=10% change)

Comments: None

**Long Term Trends:** G = Relatively Stable (<=10% change)

Comments: Despite limited sexual reproduction and low genetic diversity, populations are nonetheless stable, primarily maintained by the apparent clonal growth of plants (Gisler 2000).

**Threat Impact:** C = Medium

Comments: Most of the threats noted in reports, fire suppression, logging, road construction, exotic weed invasion, grazing, and mining are concerns but have not affected the populations notably.

**Intrinsic  
Vulnerability:** Not Evaluated

Comments: None

**Heritage Rank:** G3

Comments: Although number of plants and occurrences appear low, population size is stable with minimal threats.

Rank Notes: None

Reference: Gisler, Steve. 2000. Proposal to remove *Luina serpentina* from the state list of threatened species. Unpublished document, Natural Resources Division, Oregon Dept. of Agriculture, Salem, OR.

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