

California Status Factors

Elcode NLLEC5P340

Gname USNEA HESPERINA

Gcomname

Number of Occurrences

U = Unknown

Comments

Number of Occurrences with Good Viability

U = Unknown what number of occurrences with good viability

Comments

Population Size

U = Unknown

Comments

Range Extent

Comments Coastal. Range estimated from Brodo et al. (2001) is about 550 square km.

Area of Occupancy

U = Unknown

LU = Unknown

Comments

Long-term Trend in Population Size, Extent of Occurrence, Area of Occupancy, and/or Number or Condition of Occurrences

U = Unknown. Long-term trend in population, range, area occupied, or number or condition of occurrences unknown

Comments

Short-term Trend in Population Size, Extent of Occurrence, Area of Occupancy, and/or Number or Condition of Occurrences

U = Unknown. Short-term trend in population, range, area occupied, and number and condition of occurrences unknown.

Comments

Threats

U = Unknown. The available information is not sufficient to assign degree of threat as above. (Severity, scope, and immediacy are all unknown, or mostly [two of three] unknown or not assessed [null].)

Scope Unknown Severity Unknown Immediacy Unknown

Comments In general, Usnea is moderately sensitive to air pollution.

Number of Appropriately Protected and Managed Occurrences

U = Unknown whether any occurrences are appropriately protected and managed

Comments

Intrinsic Vulnerability

B = Moderately Vulnerable. Species exhibits moderate age of maturity, frequency of reproduction, and/or fecundity such that populations generally tend to recover from decreases in abundance over a period of several years (on the order of 5-20 years or 2-5 generations); or species has moderate dispersal capability such that extirpated populations generally become reestablished through natural recolonization (unaided by humans). Ecological community occurrences may be susceptible to changes in composition and structure but tend to recover through natural processes given reasonable time (10-100 years).

Comments This is a larger Usnea, maturity takes a long time, probably over 10 years.

Environmental Specificity

A = Very Narrow. Specialist or community with key requirements scarce.

Comments Hypermaritime.

Other Considerations

Usnea species difficult to identify in the field and otherwise. Several of the cited world locations are newly noted due to a name change - it could also go the other way.

Edition 2/20/2003 **Edauthor** Daphne Stone

Grank S1? **Grank Date** 11/30/2002

Reasons

No extant populations known in CA; need to locate historical collections to verify. Range according to Brodo et al. (2001) is northern CA coast.

BCD Sources

New Sources

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Herrera-Campos MA, Clerc P, Nash TH. 1998. Pendulous species of Usnea from the temperate forests in Mexico. Bryologist 101(2): 303-329.
Halonen P, Clerc P, Goward T, Brodo IM, Wulff K. 1998. Synopsis of the genus Usnea...in British Columbia,

Canada. *Bryologist* 101(1): 36-60.

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McCune, B. and L. Geiser. 1997. *Macrolichens of the Pacific Northwest*. Oregon State University Press, Corvallis, Oregon. A co-publication with the U.S. Department of Agriculture Forest Service. 386 pp.