

California Status Factors

Elcode NLCAL25060
Gname CALICIUM ABIETINUM
Gcomname black stubble

Number of Occurrences

A = 1 - 5
B = 6 - 20

Comments Number of known occurrences in California = ca. 2.

Number of Occurrences with Good Viability

U = Unknown what number of occurrences with good viability

Comments It is impossible to determine how many known occurrences have good viability, particularly because this species occurs on non-permanent substrates. My educated guess from many years of experience with calicioids would be that there are easily more than 125 (category F) viable occurrences remaining worldwide (including currently unknown occurrences).

Population Size

U = Unknown

Comments

Range Extent

H = > 2,500,000 km² (greater than 1,000,000 square miles)

Comments In northern California (Tibell 1975; Peterson unpublished data, Rikkinen unpublished data). Within the Pacific coastal region of North America, the species occurs mainly in sparsely forested regions, becoming very rare in drier, non-forested and wetter, densely forested areas (Peterson unpublished data).

Area of Occupancy

A = <0.4 km² (less than about 100 acres)

LA = <4 km (less than about 2.5 miles)

Comments Occupancy for epiphytic lichens and fungi can be difficult to estimate, particularly for calicioid species (including this species) which often occur as colonies covering only a few square centimeters on single tree trunk within a stand and then again several hundred meters away. The occupancy given above is roughly estimated as the total worldwide distribution of the species; the actual coverage of the species condensed so as to be continuous may not be much more than a few hectares.

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

B = Large Decline (decline of 75-90%)

Comments Most calicioid lichens and fungi inhabit aged bark or wood in sheltered locations protected from direct rain interception. With the exception of this species occasionally using old weathered

Edition 2/20/2003 **Edauthor** Eric B. Peterson

Grank S1S2 **Grank Date** 11/22/2002

Greasons

Known from only 2 sites in California, with very limited habitat and range.

BCD Sources

New Sources

ISMS (Interagency Species Management System). 5 August, 2002.

Peterson, E. B. (Search of personal herbarium on 1 November, 2002) Address: Nevada Natural Heritage Program, 1550 E. College Parkway, Carson City, NV

Rikkinen, J. 2003. Calicioid lichens and fungi in the forests and woodlands of western Oregon. *Annales Botanici Fennici* (accepted, should come out in the first volume of 2003).

Selva, S., 7 November 2002. Personal communication. Address: Division of Natural and Behavioral Sciences, University of Maine at Fort Kent, Fort Kent, ME.

Tibell, L. 1975. The Caliciales of boreal North America. *Symbolae Botanicae Upsalienses* 21(2): 1-128.

Tibell, L. 1999. Caliciales. *Nordic Lichen Flora* 1: 20-93.