

Added to California Rare Plant Rank 2B.1 of the CNPS Inventory on May 5, 2014

**Rare Plant Status Review: *Climacium dendroides*
Addition to California Rare Plant Rank 2B.1, G5 / S1**

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Background

Climacium dendroides is one of 29 bryophytes that are being added to the CNPS Inventory and CNDDDB based on decisions made at one to three California Bryophyte Working Group (CBWG) meetings held on January 18, 2010, January 28, 2013, and January 30, 2014. The CBWG is a committee of bryology experts that are familiar with the taxonomic, rarity, and/or conservation status of bryophytes in California. If you are interested in joining and/or learning more about this group, please contact the first author at asims@cnps.org or (916) 324-3816.

Climacium dendroides is a moss in the Climaciaceae that is circumpolar; occurring in North America from northern Quebec west to Alaska, south to California and the northern United States, and New Zealand (Hough 2010, NatureServe 2013). *Climacium dendroides* is an upright, large moss that is identified in the field by its dendroid form, creeping stem, and heart shaped stem leaves (CBWG 2010). It is similar to *Leucolepis acanthoneuron* in having a dendroid growth form, and is also similar to *Limbella fryei*; however, *L. fryei* is only known from Hawaii and coastal Oregon (CBWG 2013).

Climacium dendroides occurs along edges of saturated fens or streams within coniferous forest (Malcolm et al. 2009), and in California it is known from an approximate elevation of 1483 meters (*Lenz 802*).

In California, *C. dendroides* is restricted to the northwest (Malcom et al. 2009), where currently only known from one occurrence (J. Shevock pers. comm. 2013); along Butte Creek, Siskiyou County (*Lenz 802*) in Klamath National Forest (CBWG 2010).

The California occurrence of *C. dendroides* is threatened by fuels treatments, grazing, and hydrological alterations (CBWG 2010).

Actions:

CNPS: Added to 2B.1

CNDDDB: Added to G5 / S1

CNPS Inventory Record

Climacium dendroides (Hedwig) Weber & D. Mohr
tree climacium moss
Climaciaceae
CRPR 2B.1

Alaska, Colorado, Idaho, Oregon, Maine, Maryland, Michigan, Minnesota, Montana, New Hampshire, New Jersey, New Mexico, New York, North Dakota, Pennsylvania, Rhode Island, South Dakota, Vermont, Virginia, Washington, Wisconsin, Wyoming
Siskiyou

West Haight Mtn. (715D) 4112251

Bogs and fens (edges), North Coast coniferous forest (streams); elevation 1485 meters.
Moss

Threatened by fuel modification, grazing, and hydrological alterations. Similar to *Leucolepis acanthoneuron* and *Limbella fryei*. See *Naturhistorische Reise durch einen Theil Schwedens* 96 (1804) for original description.

Literature Cited

Hough, M. 2010. Tree moss (*Climacium dendroides*); plants of the Northeastern U.S. Website http://thismia.com/C/Climacium_dendroides.html [accessed 25 January 2013].

Malcolm B., N. Malcolm, J. Shevock, and D. Norris. 2009. California Mosses. Micro-Optics Press. 430 pp.

NatureServe. 2013. NatureServe Explorer: An online encyclopedia of life [web application]. Version 7.1. NatureServe, Arlington, Virginia. Website <http://www.natureserve.org/explorer> [accessed 25 January 2013].

Weber, F. and D.M.H. Mohr. 1804. *Naturhistorische Reise durch einen Theil Schwedens* 96. (not seen)