

Rare Plant Status Review: *Mielichhoferia mielichhoferiana*

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Changes made since the original status review appear in blue.

Background

Mielichhoferia mielichhoferiana is a moss in the Bryaceae **Mniaceae**. In California, it was first collected in 2004 by Jim Shevock.

In California, *M. mielichhoferiana* is known from a single occurrence in the Marble Mountains of Siskiyou County. *M. mielichhoferiana* is widespread outside of California, occurring in Oregon, New York, and Tennessee, and in several provinces in Canada. According to Jim Shevock (pers. comm. 2008) *M. mielichhoferiana*, "is not common anywhere within its documented range, (and) this species is fairly picky about its microhabitats and chemical composition requirements." NatureServe ranks *M. mielichhoferiana* as a G4 taxon.

Jim Shevock (on the single herbarium specimen label) describes the habitat of *M. mielichhoferiana* as a, "shaded vertical metamorphic bluff wet by dripping water in an open subalpine conifer forest of fir and mountain hemlock." The only known California occurrence of *M. mielichhoferiana* is found at 1975 meters in elevation.

According to Jim Shevock (pers. comm. 2008), the one location of *M. mielichhoferiana* occurs in a designated wilderness area with no observed threats. He indicates that, "there could be more *Mielichhoferia mielichhoferiana* out there in the Marble Mountains but (it) is likely to be highly limited and restricted." Suitable habitat in the Marble Mountains, and adjacent areas, should be searched for additional occurrences of *M. mielichhoferiana*.

Based on the available information, CNPS and CNDDDB recommend that *Mielichhoferia mielichhoferiana* be added to List 2.3.

Recommended Actions

CNPS: Add to CNPS List 2.3

CNDDDB: Add to CNDDDB as G4 / S1

Please review the draft CNPS Inventory record below, respond Yes or No on the proposal to add this species to the Inventory and CNDDDB, and provide any edits/comments. If responding No, please provide supporting information.

Draft CNPS Inventory Record

Mielichhoferia mielichhoferiana (Funck in Hooker) Loeske

Bryaceae **Mniaceae**

List 2.3

Sent to Bryophyte, NW on 7/24/08

Element Code: NBMUS4Q020
Added to List 2.3 on 2008-09-02

Siskiyou
Marble Mountain (719C) 4112352
Subalpine coniferous forest; elevation 1975 meters.
Moss
Known in California from only 1 occurrence.

Sent to Bryophyte, NW on 7/24/08