

Deleted *B. pseudocapillaris* from 3.2, changed name of *B. spiralifera* to *Sulcaria spiralifera*, and changed *S. spiralifera* from 1B.1 to 1B.2 on 2021-05-24

**Deletion and Name Change: Delete *Bryoria pseudocapillaris* from California Rare Plant Rank 3.2, G2? / S1S2, change name of *Bryoria spiralifera* to *Sulcaria spiralifera*, and change *S. spiralifera* from 1B.1, G1G2 / S1S2 to 1B.2, G3G4 / S2**

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### Background

*Bryoria pseudocapillaris* and *B. spiralifera* were both sponsored to become CALS Lichens of Conservation Concern in 2008 by D. Glavich (2008a and 2008b) and were subsequently added to the CNPS Inventory in 2014 when CNPS first began including lichens. In 2014, Myllys et al. taxonomically combined *B. pseudocapillaris* within *B. spiralifera*, treating *B. pseudocapillaris* as a synonym of *B. spiralifera*, and transferred the genus to *Sulcaria*. This new combination and name change was subsequently addressed and corrected by the CALS Conservation Committee, but has yet to have occurred in the CNPS Inventory and CNDDDB until now.

### Summary

Based on Myllys et al. (2014), *Bryoria pseudocapillaris* will be treated as a synonym of *B. spiralifera*, and *B. spiralifera* will be transferred to *Sulcaria spiralifera* in the CNPS Inventory and CNDDDB. The California Rare Plant Rank (CRPR) and G and S ranks of *S. spiralifera* will be modified to reflect this new combination as seen under the Actions section below.

### Actions

CNPS: Delete *Bryoria pseudocapillaris* from California Rare Plant Rank 3.2, change name of *Bryoria spiralifera* to *Sulcaria spiralifera*, and change *S. spiralifera* from 1B.1 to 1B.2

CNDDDB: Delete *Bryoria pseudocapillaris* from G2? / S1S2, change name of *Bryoria spiralifera* to *Sulcaria spiralifera*, and change *S. spiralifera* from G1G2 / S1S2 to G3G4 / S2

### Current CNPS Inventory Records

*Bryoria pseudocapillaris* Brodo & D. Hawksw.

false gray horsehair lichen

Parmeliaceae

CRPR 3.2

Oregon, Washington

Del Norte, Humboldt, Mendocino, San Luis Obispo

Morro Bay South (247D) 3512037, Point Arena (537B) 3812386, Tyee City (672B) 4012482,

Eureka (672C) 4012472, Rodgers Peak (689A) 4112421, Trinidad (689C) 4112412, Crannell

(689D) 4112411, Sister Rocks (723B) 4112462, Crescent City (740C) 4112472

Coastal dunes (SLO Co.), North Coast coniferous forest (immediate coast) / usually on conifers; elevation 0 – 90 meters.

Fruticose lichen (epiphytic)

Largest known population in CA is on the Samoa Peninsula in HUM Co. Possibly threatened by coastal development, air pollution, and climate change. Usually on *Picea sitchensis*, *Pinus contorta* var. *contorta*, *Pseudotsuga menziesii*, *Abies grandis*, and *Tsuga heterophylla*. Similar to *B. capillaris*, *B. spiralifera*, and *Sulcaria badia*. See *Bulletin of the California Lichen Society* 15(1):1-3 (2008) for CALS Conservation Committee sponsorship.

Sent to CALS Conservation Committee, Lichen Special Interest Group, D. Glavich on 10/01/2020.

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CALS Conservation Committee:

<http://www.californialichens.org/conservation/Bryoria+pseudocapillaris/>

*Bryoria spiralifera* Brodo & D. Hawksw.

twisted horsehair lichen

Parmeliaceae

CRPR 1B.1

Oregon, Washington

Del Norte, Humboldt, Monterey, San Luis Obispo, Sonoma

Port San Luis (222A) 3512027, Morro Bay South (247D) 3512037, Monterey (366C) 3612158,

Stewarts Point (520B) 3812364, Tyee City (672B) 4012482, Eureka (672C) 4012472, Smith

River (740B) 4112482, Crescent City (740C) 4112472

North Coast coniferous forest (immediate coast) / usually on conifers; elevation 0 – 30 meters.

Fruticose lichen (epiphytic)

Largest known population is on the Samoa Peninsula in HUM Co. Possibly threatened by coastal development, air pollution, and climate change. Usually on *Picea sitchensis*, *Pinus contorta* var.

*contorta*, *Pseudotsuga menziesii*, *Abies grandis*, and *Tsuga heterophylla*. Similar to *B.*

*pseudocapillaris* and *Sulcaria badia*. See *Bulletin of the California Lichen Society* 15(1):4-6

(2008) for CALS Conservation Committee sponsorship.

CALS Conservation Committee:

<http://www.californialichens.org/conservation/Bryoria+spiralifera/>

### Revised CNPS Inventory Records (changes from original records are in green text)

*Bryoria pseudocapillaris* Brodo & D. Hawksw.

Considered But Rejected: A synonym of *Sulcaria spiralifera*.

*Sulcaria spiralifera* (Brodo & D. Hawksw.) Myllys, Velmala & Goward

Parmeliaceae

Synonym(s) / Other Name(s): *Bryoria pseudocapillaris*, *Bryoria spiralifera*

CRPR 1B.2

Oregon, Washington

Del Norte, Humboldt, Mendocino, Monterey, San Luis Obispo, Sonoma

Port San Luis (222A) 3512027, Morro Bay South (247D) 3512037, Point Arena (537B)

3812386, Monterey (366C) 3612158, Stewarts Point (520B) 3812364, Tyee City (672B)

4012482, Eureka (672C) 4012472, Rodgers Peak (689A) 4112421, Trinidad (689C) 4112412,

Crannell (689D) 4112411, Sister Rocks (723B) 4112462, Smith River (740B) 4112482, Crescent

City (740C) 4112472

North Coast coniferous forest (immediate coast), coastal dunes (SLO Co.) / usually on conifers; elevation 0 – 90 meters.

Fruticose lichen (epiphytic)

Largest known population in CA is on the Samoa Peninsula in HUM Co. Possibly threatened by coastal development, air pollution, and climate change. Usually on *Picea sitchensis*, *Pinus*

*contorta* var. *contorta*, *Pseudotsuga menziesii*, *Abies grandis*, and *Tsuga heterophylla*. Includes

*Bryoria pseudocapillaris*, which was previously CRPR 3.2. Similar to *S. badia*. See *Bulletin of*

Sent to CALS Conservation Committee, Lichen Special Interest Group, D. Glavich on 10/01/2020.

Element Code: NLT0042560 (*S. spiralifera*)

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*the California Lichen Society* 15(1):4-6 (2008) for CALS Conservation Committee sponsorship, and *The Lichenologist* 46(6):737-752 (2014) for taxonomic treatment.

CALS Conservation Committee: <http://www.californialichens.org/conservation/sulcaria-spiralifera/>

### Literature Cited

Glavich, D. 2008a. *Bryoria pseudocapillaris*, Sponsorship for the CALS Conservation Committee. *Bulletin of the California Lichen Society* 15(1): 1-3.

\_\_\_\_\_. 2008b. *Bryoria spiralifera*, Sponsorship for the CALS Conservation Committee. *Bulletin of the California Lichen Society* 15(1): 4-6.

Myllys, L., S. Velmala, H. Lindgren, D. Glavich, T. Carlberg, L-S. Wang, and T. Goward. 2014. Taxonomic delimitation of the genera *Bryoria* and *Sulcaria*, with a new combination *Sulcaria spiralifera* introduced. *The Lichenologist* 46(6): 737-752.