# Listed Macrolichens in the PNW, as of September 2019

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Species | Survey and ManageCategory | FS/BLMSensitive | OR rank | WA rank | BC rank | Notes | Species Fact Sheet (SFS)/ConservationAssessment (CA) link |
| *Arctoparmelia incurva* |  | WA-SEN |  | S1 | S4S5 | On rock; WA and north | [ARIN60](https://www.fs.fed.us/r6/sfpnw/issssp/documents/planning-docs/20190918-sfs-li-arctoparmelia-incurva-2019-08.docx) |
| *Bryoria bicolor* |  | OR-SEN | S2 |  | S4 | Coastal ridges and mountaintops, conifers; NW OR and north | [BRBI60](https://www.fs.fed.us/r6/sfpnw/issssp/documents/planning-docs/20190405-sfs-li-bryoria-bicolor.docx) |
| *Bryoria pseudocapillaris* | A |  |  |  |  | Immediate coast, conifers; OR and south | [BRPS4](https://www.fs.fed.us/r6/sfpnw/issssp/documents2/ca-li-8-coastal-lichens-2013-06.pdf) |
| *Bryoria spiralifera* | A |  |  |  |  | Immediate coast, conifers; OR and south | [BRSP5](https://www.fs.fed.us/r6/sfpnw/issssp/documents2/ca-li-8-coastal-lichens-2013-06.pdf) |
| *Bryoria subcana* | B |  |  |  |  | Coast Range, conifers | [BRSU6](https://www.fs.fed.us/r6/sfpnw/issssp/documents2/ca-li-8-coastal-lichens-2013-06.pdf) |
| *Buellia oidalea* | E |  | S1 | SU |  |  | [BUOI](https://www.fs.fed.us/r6/sfpnw/issssp/documents2/sfs-li-buellia-oidelea-2013-04.pdf) |
| *Calicium abietinum* | B |  | S3 |  |  |  | [CAAB12](https://www.fs.fed.us/r6/sfpnw/issssp/documents/planning-docs/sfs-li-calicium-abietinum-2011-06.doc) |
| *Calicium adspersum* | E | OR-SEN | S1 |  |  |  | [CAAD4](https://www.fs.fed.us/r6/sfpnw/issssp/documents/planning-docs/20190405-sfs-li-calicium-adspersum.docx) |
| *Cetrelia cetrarioides* | E |  |  |  | S5 |  | [CECE4](https://www.fs.fed.us/r6/sfpnw/issssp/documents/planning-docs/sfs-li-cetrelia-cetrarioides.doc) |
| *Chaenotheca chrysocephala* | B |  |  |  |  |  | [CHCH14](https://www.fs.fed.us/r6/sfpnw/issssp/documents2/sfs-li-chaenotheca-chrysocephala-2012-06.doc) |
| *Chaenotheca ferruginea* | B |  |  |  |  |  | [CHFE7](https://www.fs.fed.us/r6/sfpnw/issssp/documents2/sfs-li-chaenotheca-ferruginea-2012-06.doc) |
| *Chaenotheca furfuracea* | \* |  |  |  |  |  |  |
| *Chaenotheca subroscida* | E |  |  | S3 |  |  | [CHSU14](https://www.fs.fed.us/r6/sfpnw/issssp/documents/planning-docs/sfs-li-chaenotheca-subroscida-2010-05.doc) |
| *Chaenothecopsis pusilla* | E |  |  |  |  |  | [CHPU7](https://www.fs.fed.us/r6/sfpnw/issssp/documents2/sfs-li-chaenothecopsis-pusilla-2011-12.doc) |
| *Cladidium bolanderi* |  | OR-SEN | S1 |  |  |  | [CLBO6](https://www.fs.fed.us/r6/sfpnw/issssp/documents/planning-docs/20190405-sfs-li-cladidium-bolanderi.docx) |
| *Cladonia norvegica* | \* |  |  |  | S4S5 |  |  |
| *Collema nigrescens* | F |  |  | S3 | S4S5 | Conifers and hardwoods west of Cascades; occasional in Oregon, rare in BC. S&M: In WA and OR, except in OR Klamath Physiographic Province.  | [CONI8](https://www.fs.fed.us/r6/sfpnw/issssp/documents/planning-docs/sfs-li-collema-nigrescens.doc) |
| *Dactylina arctica* |  | WA-SEN |  | S1 | S5 | On alpine sod; common in Rockies of AL and BC; very rare in PNW | [DAAR60](https://www.fs.fed.us/r6/sfpnw/issssp/documents4/sfs-li-dactylina-arctica-201603-508.pdf) |
| *Dendriscocaulon intricatulum* | A |  |  | SNR |  | Rest of Oregon outside of Coos, Curry, Douglas, Josephine, & Jackson Counties; WA  | [DEIN12](https://www.fs.fed.us/r6/sfpnw/issssp/documents/planning-docs/sfs-li-dendriscocaulon-intricatulum.doc) |
| *Dermatocarpon meiophyllizum* | E | WA-SEN |  | S2 |  | Semi-aquatic, on rock in mountain and foothill streams. Formerly mostly misidentified as *D. luridum*. | [DEME5](https://www.fs.fed.us/r6/sfpnw/issssp/documents/planning-docs/ca-li-deme-2007-05-25.doc) |
| *Erioderma sorediatum* |  | WA-SEN |  | S2 | S2S3 | Immediate coast, *Pinus*/shrubs community, old dunes, on ericaceous shrubs or conifers | [ERSO4](https://www.fs.fed.us/r6/sfpnw/issssp/documents2/20190730-ca-li-erioderma-sorediatum-05-2019.docx) |
| *Fuscopannaria saubinetii* | E |  |  |  |  | (*Pannaria saubinetii*) | [FUSA](https://www.fs.fed.us/r6/sfpnw/issssp/documents2/sfs-li-fuscopannaria-saubinetii-2012-06.doc) |
| *Heterodermia sitchensis* | E |  | S1 |  | S1 | Restricted to the immediate coast**.** In Oregon**,** at one sitefound on twigs of *Picea sitchensis* on ridgetop exposed to ocean winds in old-growth temperate rainforest. In BC, Seaside conifers near Ucluelet and Tofino. So far not found in WA. | [HESI4](https://www.fs.fed.us/r6/sfpnw/issssp/documents/planning-docs/20190522-sfs-li-heterodermia-sitchensis-201902.docx) |
| *Hypogymnia duplicata* | C |  |  |  | S5 | OR Coast Range and near Mt. Hood, conifers; more common northward | [HYDU60](https://www.fs.fed.us/r6/sfpnw/issssp/documents2/ca-li-5-lichens-2013-04.pdf) |
| *Hypogymnia pulverata* |  | OR-SEN | S1 |  |  | Only a few locations known for western N Am, one from *Picea sitchensis* forest on Oregon coast and several from coastal Alaska | [HYPU6](https://www.fs.fed.us/r6/sfpnw/issssp/documents/planning-docs/20190522-sfs-li-hypogymnia-pulverata-201903.docx) |
| *Hypogymnia vittata* | E |  |  |  | S5 | Not currently known in the Northwest Forest Plan area of Oregon or Washington | No document-no sites |
| *Hypotrachyna revoluta* | E |  | S3 | S1 | S2S3 | Coast Range and immediate coast, very rare in Cascades; usually on bark, rarely on rock | [HYRE4](https://www.fs.fed.us/r6/sfpnw/issssp/documents/planning-docs/sfs-li-hypotrachyna-revoluta.doc) |
| *Hypotrachyna riparia* |  | OR-SEN | S1 |  |  | Riparian hardwoods, foothills of Cascades; so far OR only | [HYRI4](https://www.fs.fed.us/r6/sfpnw/issssp/documents/planning-docs/20190815-sfs-li-hypotrachyna-riparia-06-2019.docx) |
| *Leioderma sorediatum* |  | SEN | S1 | S1 | S2S3 | Immediate coast; old dunes; *Pinus*-shrubs; on ericaceous shrubs and conifers | [LESO6](https://www.fs.fed.us/r6/sfpnw/issssp/documents2/20190730-ca-li-leioderma-sorediatum-05-2019.docx) |
| *Leptogium burnetiae* | E | WA-SEN |  | S1 |  | = *L. burnetiae var. hirsutum*; *= L. hirsutum*; questionable records from OR or WA; present in coastal AK to inland BC | [LEBU5](https://www.fs.fed.us/r6/sfpnw/issssp/documents2/sfs-li-leptogium-burnetiae-2012-06.pdf) |
| *Leptogium cyanescens* | A | WA-SEN | S1 | S1 | S1S2 | On trees in humid forests; widely scattered | [LECY60](https://www.fs.fed.us/r6/sfpnw/issssp/documents/planning-docs/20190405-sfs-li-leptogium-cyanescens.docx) |
| *Leptogium rivale* | E |  |  |  | S2? | Aquatic; mountain streams; common according to Glavich & Geiser (2007, Evansia 24:6-9). | [LERI2](https://www.fs.fed.us/r6/sfpnw/issssp/documents/planning-docs/sfs-li-leptogium-rivale-2011-08.doc) |
| *Leptogium teretiusculum* | E |  |  |  | S4S5 | On hardwoods (esp. *Populus* and *Quercus*) and conifers; widespread | [LETE13](https://www.fs.fed.us/r6/sfpnw/issssp/documents/planning-docs/sfs-li-leptogium-teretiusculum-2010-11.doc) |
| *Lobaria linita* | A | OR-SEN | S2 | S4 | S5 | Montane to subalpine rock; conifers; central OR and north; common in coastal AK, S&M: *L. linata* var. *tenuoir*; In WA WL, WA WC south of Snoqualmie Pass, WA EC; OR. | [LOLI60](https://www.fs.fed.us/r6/sfpnw/issssp/documents/planning-docs/20190731-sfs-li-lobaria-linita-05-2019.docx) |
| *Microcalicium arenarium* | B | OR-SEN | S1 |  |  |  | [MIAR7](https://www.fs.fed.us/r6/sfpnw/issssp/documents/planning-docs/20190522-sfs-li-microcalicium-arenarium-201903.docx) |
| *Nephroma bellum* | E\* |  |  |  | S5 | S&M: In OR: Klamath, Willamette Valley, Eastern Cascades; WA: Western Cascades (outside GPNF), Eastern Cascades, Olympic Pennisula Physiographic Provinces. Special Considerations: in Oregon Western Cascades and Coast Range Physiographic Provinces; in Washington Western Cascades Physiographic Province, Gifford Pinchot NF | [NEBE60](https://www.fs.fed.us/r6/sfpnw/issssp/documents/planning-docs/sfs-li-nephroma-bellum-2009-02.doc) |
| *Nephroma isidiosum* | E |  |  |  | S3 | Not currently known in the Northwest Forest Plan area of Oregon or Washington. AK and BC only? | No document-no sites |
| *Nephroma occultum* | C\* |  | S3 | S3 | S3 | OR and WA Cascades, suboceanic north interior BC; old-growth conifers | [NEOC3](https://www.fs.fed.us/r6/sfpnw/issssp/documents/planning-docs/sfs-li-nephroma-occultum-2008-05.doc) |
| *Niebla cephalota* | A | SEN | S2 | S2 | S2 | Immediate coast; conifers | [NICE](https://www.fs.fed.us/r6/sfpnw/issssp/documents2/20190730-ca-li-niebla-cephalota-05-2019.docx) |
| *Pannaria rubiginella* |  | OR-SEN | S1 | S1 | S3 | Formerly misidentified as *P. malmei*. On bark and wood in cool, moist habitats along the Pacific coast*.* | [PARU10](https://www.fs.fed.us/r6/sfpnw/issssp/documents5/sfs-li-pannaria-rubiginella-2018-05.docx) |
| *Pannaria rubiginosa* | E | OR-SEN | S2 | SU | S2 | West side; wetlands and riparian on the immediate coast; mainly hardwoods; some previously known PNW records are *P. rubiginella* | [PARU5](https://www.fs.fed.us/r6/sfpnw/issssp/documents2/20190730-ca-li-pannaria-rubiginosa-05-2019.docx) |
| *Peltigera pacifica* | E |  |  |  | S4 |  | [PEPA48](https://www.fs.fed.us/r6/sfpnw/issssp/documents/planning-docs/sfs-li-peltigera-pacifica-2007-12.doc) |
| *Pilophorus nigricaulis* |  | OR-SEN | S2 | S3 | S3S4 | West side and Columbia Gorge; cool, N-facing rock outcrops and talus | [PINI2](https://www.fs.fed.us/r6/sfpnw/issssp/documents2/ca-li-5-lichens-2013-04.pdf) |
| *Platismatia lacunosa* | E |  |  |  | S5 | On hardwoods, esp. *Alnus,* less often conifers, rarely rock; west side only | [PLLA6](https://www.fs.fed.us/r6/sfpnw/issssp/documents/planning-docs/sfs-li-platismatia-lacunosa.doc) |
| *Pseudocyphellaria perpetua/ Pseudocyphellaria hawaiiensis* | A | WA-SEN |  | S1 | S1 | Coastal conifers and hardwoods in *Picea sitchensis* zone; W OR to AK | [PSPE6](https://www.fs.fed.us/r6/sfpnw/issssp/documents/planning-docs/20190418-sfs-li-pseudocyphellaria-hawaiiensis.docx) |
| *Pseudocyphellaria rainierensis* | A |  | S3 | S4 | S2S3 | West side; old-growth conifers | [PSRA3](https://www.fs.fed.us/r6/sfpnw/issssp/documents2/ca-li-5-lichens-2013-04.pdf) |
| *Ramalina pollinaria* |  | OR-SEN | S1S2 | S2 | SU | Taxonomic problems; distribution and habitat uncertain; perhaps inland only | [RAPO60](https://www.fs.fed.us/r6/sfpnw/issssp/documents/planning-docs/20190731-sfs-li-ramalina-pollinaria-05-2019.docx) |
| *Ramalina thrausta* |  | WA-SEN |  | S2 | S5 | On conifers, common in OR Coast Range; apparently rare in WA; frequent in BC | [RATH2](https://www.fs.fed.us/r6/sfpnw/issssp/documents4/sfs-li-ramalina-thrausta-2016-02.pdf) |
| *Solorina saccata* |  | WA-SEN |  | S1 | S4 | Moist calcareous sites; arctic-alpine to SD and BC | [SOSA60](https://www.fs.fed.us/r6/sfpnw/issssp/documents/planning-docs/20190522-sfs-li-solorina-saccata-201903.docx) |
| *Stenocybe clavata* | E |  |  |  |  |  | [STCL6](https://www.fs.fed.us/r6/sfpnw/issssp/documents2/sfs-li-stenocybe-clavata-2012-06.doc) |
| *Stereocaulon spathuliferum* |  | OR-SEN | S1 |  | S4 | Cascades; cool N-facing talus slopes and rock outcrops | [STSP60](https://www.fs.fed.us/r6/sfpnw/issssp/documents5/sfs-li-stereocaulon-spathuliferum-2018-01.doc) |
| *Teloschistes flavicans* | A | OR-SEN | S1 |  |  | Coastal, *Picea sitchensis* zone; conifers; OR and south | [TEFL4](https://www.fs.fed.us/r6/sfpnw/issssp/documents2/20190730-ca-li-teloschistes-flavicans-05-2019.docx) |
| *Texosporium sancti-jacobi* |  | SEN | S2 | S1 |  |  | [TESA](https://www.fs.fed.us/r6/sfpnw/issssp/documents/planning-docs/20190522-sfs-li-texosporium-sancti-jacobi-201903.docx) |
| *Thelomma mammosum* |  | WA-SEN | S1 | S2 |  |  | [THMA8](https://www.fs.fed.us/r6/sfpnw/issssp/documents/planning-docs/20190731-sfs-li-thelomma-mammosum-05-2019.docx) |
| *Tholurna dissimilis* | B | SEN | S2 | S2 | S3S4 | Cascades south to OR; also inland in BC; exposed, dwarfed subalpine conifers, S&M: south of Columbia River | [THDI5](https://www.fs.fed.us/r6/sfpnw/issssp/documents2/20190730-ca-li-tholurna-dissimilis-05-2019.docx) |
| *Umbilicaria lambii* |  | WA-SEN |  | S1 | S4 |  | [UMLA](https://www.fs.fed.us/r6/sfpnw/issssp/documents/planning-docs/20190815-sfs-li-umbilicaria-lambii-06-2019.docx) |
| *Umbilicaria phaea var. coccinea* |  | WA-SEN | S3 | S1 | S5 | Exposed to shaded rock outcrops, boulders and talus; low to middle elevations. Locally common near Yreka, the Shasta River, and adjoining OR, more rare near Klamath Falls OR and even more rare in central OR and central WA | [UMPHC](https://www.fs.fed.us/r6/sfpnw/issssp/documents4/sfs-li-umbilicaria-phaea-var-coccinea-201602-508.pdf) |
| *Umbilicaria rigida* |  | WA-SEN | S1 | S2 | S4 | arctic-alpine to Olympic Peninsula, OR Cascades, and Alberta | [UMRI](https://www.fs.fed.us/r6/sfpnw/issssp/documents5/sfs-li-umbilicaria-rigida-2017-12.docx) |
| *Usnea hesperina* | E |  |  |  | S3 |  | [USHE](https://www.blm.gov/or/plans/surveyandmanage/files/mr-nat_hist_and_mgmt_consid-li-2003.pdf) |
| *Usnea lambii* |  | WA-SEN | S1 | S2 | SH | Frequent on stable subalpine rock on flanks of major volcanoes in Cascades. Formerly called *U. sphacelata.* | [USLA](https://www.fs.fed.us/r6/sfpnw/issssp/documents/planning-docs/20190522-sfs-li-usnea-lambii-201903.docx) |
| *Usnea longissima* | A/F |  |  | S4 | S5 | S&M: A for Curry, Josephine and Jackson Counties, OR, F for remainder of OR and WA; trees and shrubs, low to mid elevation west side only | [USLO50](https://www.fs.fed.us/r6/sfpnw/issssp/documents/planning-docs/sfs-li-usnea-longissima.doc) |
| *Usnea nidulans* |  | OR-SEN | S1 |  | S2S3 | BC to OR on the immediate coast and in the Coast Ranges | [USNI](https://www.fs.fed.us/r6/sfpnw/issssp/documents/planning-docs/20190522-sfs-li-usnea-nidulans-201903.docx) |

\*Special Considerations

*Definitions of Categories*

**Survey and Manage Category** – Current status, for FS lands within the range of the northern spotted owl, in Oregon and Washington.

**A =** Rare, pre-disturbance surveys practical

**B =** Rare, pre-disturbance surveys not practical

**C =** Uncommon, pre-disturbance surveys practical

**D =** Uncommon, pre-disturbance surveys not practical or not necessary

**E =** Rare, status undetermined

**F =** Uncommon or concern for persistence unknown; status undetermined

**Reference**: U. S. Department of Agriculture and U. S. Department of Interior. 2001. Record of decision and standards and guidelines for amendments to the survey and manage, protection buffer, and other mitigation measures standards and guidelines. U. S. D. A. Forest Service, Portland. 86 pages.

\*Special considerations refers to management considerations identified in Forest Service direction identified in this document: <https://www.blm.gov/or/plans/surveyandmanage/files/sm-fs-guidance-20140513.pdf>

**FS/BLM Sensitive** – Identified whether the species is considered Sensitive by the Forest Service or Bureau of Land Management in Oregon or Washington.

**SEN =** Sensitive in Oregon and Washington

**WA-SEN =** Sensitive in Washington only

**OR-SEN =** Sensitive in Oregon only

**Reference**: <https://www.fs.fed.us/r6/sfpnw/issssp/agency-policy/>

**OR Rank**– Identifies current state rank for the species, identified by the Oregon Biodiversity Information Center for Oregon.

State ranks are:

**S1** = Critically imperiled because of extreme rarity (5 or fewer occurrences, or very few remaining individuals), or because of some factor of its biology making it especially vulnerable to extinction.

**S2** = Imperiled because of rarity (6-20 occurrences), or because of other factors demonstrably making it very vulnerable to extinction throughout its range.

**S3** = Either very rare and local throughout its range, or found locally (even abundantly at some of its locations) in a restricted range, or vulnerable to extinction throughout its range because of other factors; in the range of 21-100 occurrences.

**4** = Apparently secure, though it may be quite rare in parts of its range, especially at the periphery.

**Reference:** Oregon Biodiversity Information Center. 2019. Rare, threatened and endangered species of Oregon. Institute for Natural Resources, Portland State University, Portland, Oregon. 133 pages. Accessed 18 September 2019.

**WA Rank**– Identifies current state rank for the species, identified by the Washington Natural Heritage Program for Oregon.

State Rank characterizes the relative rarity or endangerment within the state of Washington.

**S1** = Critically Imperiled - At very high risk of extirpation in the state due to very restricted range, very few populations or occurrences, very steep declines, severe threats, or other factors.

**S2** = Imperiled - At high risk of extirpation in the state due to restricted range, few populations or occurrences, steep declines, severe threats, or other factors.

**S3** = Vulnerable - At moderate risk of extirpation in the state due to a fairly restricted range, relatively few populations or occurrences, recent and widespread declines, threats, or other factors.

**S4** = Apparently Secure - At a fairly low risk of extirpation in the state due to an extensive range and/or many populations or occurrences, but with possible cause for some concern as a result of local recent declines, threats, or other factors.

**SU** = Unrankable - Currently unrankable due to lack of information or due to substantially conflicting information about status or trends.

**SNR** = Unranked - Subnational conservation status not yet assessed

**Reference**: Washington Natural Heritage Program. 2011. Washington Natural Heritage Program List of Mosses. Washington State Department of Natural Resources, Olympia, WA. <https://www.dnr.wa.gov/publications/amp_nh_mosses.pdf?y3ft9x1>. Accessed 18 September 2019.

**B.C. Rank**– Identifies current state rank for the species, identified by the British Columbia Conservation Data Centre.

Rank identifies the Provincial Status in British Columbia. The status ranks have the following meaning:

**SH** = historical (species)/possibly extirpated (communities)
**S1** = critically imperiled
**S2** = imperiled
**S3** = special concern, vulnerable to extirpation or extinction
**S4** = apparently secure
**S5** = demonstrably widespread, abundant, and secure.
**SU** = unrankable

**Reference**: B.C. Conservation Data Centre. 2019. BC Species and Ecosystems Explorer. B.C. Minist. of Environ. Victoria, B.C. Available: <http://a100.gov.bc.ca/pub/eswp/> (accessed Sep 18, 2019).

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