

Listed Macrolichens in the PNW, as of September 2019

Species	Survey and Manage Category	FS/BLM Sensitive	OR rank	WA rank	BC rank	Notes	Species Fact Sheet (SFS)/ Conservation Assessment (CA) link
<i>Arctoparmelia incurva</i>		WA-SEN		S1	S4S5	On rock; WA and north	ARIN60
<i>Bryoria bicolor</i>		OR-SEN	S2		S4	Coastal ridges and mountaintops, conifers; NW OR and north	BRBI60
<i>Bryoria pseudocapillaris</i>	A					Immediate coast, conifers; OR and south	BRPS4
<i>Bryoria spiralifera</i>	A					Immediate coast, conifers; OR and south	BRSP5
<i>Bryoria subcana</i>	B					Coast Range, conifers	BRSU6
<i>Buellia oideale</i>	E		S1	SU			BUOI
<i>Calicium abietinum</i>	B		S3				CAAB12
<i>Calicium adpersum</i>	E	OR-SEN	S1				CAAD4
<i>Cetrelia cetrarioides</i>	E				S5		CECE4
<i>Chaenotheca chrysocephala</i>	B						CHCH14
<i>Chaenotheca ferruginea</i>	B						CHFE7
<i>Chaenotheca furfuracea</i>	*						
<i>Chaenotheca subroscida</i>	E			S3			CHSU14
<i>Chaenothecopsis pusilla</i>	E						CHPU7
<i>Cladidium bolanderi</i>		OR-SEN	S1				CLBO6
<i>Cladonia norvegica</i>	*				S4S5		
<i>Collema nigrescens</i>	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
<i>Dactylina arctica</i>		WA-SEN		S1	S5	On alpine sod; common in Rockies of AL and BC; very rare in PNW	DAAR60
<i>Dendriscoaulon intricatum</i>	A			SNR		Rest of Oregon outside of Coos, Curry, Douglas, Josephine, & Jackson Counties; WA	DEIN12
<i>Dermatocarpon meiophyllizum</i>	E	WA-SEN		S2		Semi-aquatic, on rock in mountain and foothill streams. Formerly mostly misidentified as <i>D. luridum</i> .	DEME5
<i>Erioderma sorediatum</i>		WA-SEN		S2	S2S3	Immediate coast, <i>Pinus</i> /shrubs community, old dunes, on ericaceous shrubs or conifers	ERSO4
<i>Fuscopannaria saubinetii</i>	E					(<i>Pannaria saubinetii</i>)	FUSA
<i>Heterodermia sitchensis</i>	E		S1		S1	Restricted to the immediate coast. In Oregon, at one site found on twigs of <i>Picea sitchensis</i> 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
<i>Hypogymnia duplicata</i>	C				S5	OR Coast Range and near Mt. Hood, conifers; more common northward	HYDU60

<i>Hypogymnia pulverata</i>		OR-SEN	S1			Only a few locations known for western N Am, one from <i>Picea sitchensis</i> forest on Oregon coast and several from coastal Alaska	HYPU6
<i>Hypogymnia vittata</i>	E				S5	Not currently known in the Northwest Forest Plan area of Oregon or Washington	No document- no sites
<i>Hypotrachyna revoluta</i>	E		S3	S1	S2S3	Coast Range and immediate coast, very rare in Cascades; usually on bark, rarely on rock	HYRE4
<i>Hypotrachyna riparia</i>		OR-SEN	S1			Riparian hardwoods, foothills of Cascades; so far OR only	HYRI4
<i>Leioderma solediatum</i>		SEN	S1	S1	S2S3	Immediate coast; old dunes; <i>Pinus</i> -shrubs; on ericaceous shrubs and conifers	LESO6
<i>Leptogium burnetiae</i>	E	WA-SEN		S1		= <i>L. burnetiae</i> var. <i>hirsutum</i> ; = <i>L. hirsutum</i> ; questionable records from OR or WA; present in coastal AK to inland BC	LEBU5
<i>Leptogium cyanescens</i>	A	WA-SEN	S1	S1	S1S2	On trees in humid forests; widely scattered	LECY60
<i>Leptogium rivale</i>	E				S2?	Aquatic; mountain streams; common according to Glavich & Geiser (2007, <i>Evansia</i> 24:6-9).	LERI2
<i>Leptogium teretiusculum</i>	E				S4S5	On hardwoods (esp. <i>Populus</i> and <i>Quercus</i>) and conifers; widespread	LETE13
<i>Lobaria linita</i>	A	OR-SEN	S2	S4	S5	Montane to subalpine rock; conifers; central OR and north; common in coastal AK, S&M: <i>L. linata</i> var. <i>tenuoir</i> ; In WA WL, WA WC south of Snoqualmie Pass, WA EC; OR.	LOLI60
<i>Microcalicium arenarium</i>	B	OR-SEN	S1				MIAR7
<i>Nephroma bellum</i>	E*				S5	S&M: In OR: Klamath, Willamette Valley, Eastern Cascades; WA: Western Cascades (outside GPNF), Eastern Cascades, Olympic Peninsula Physiographic Provinces. Special Considerations: in Oregon Western Cascades and Coast Range Physiographic Provinces; in Washington Western Cascades Physiographic Province, Gifford Pinchot NF	NEBE60
<i>Nephroma isidiosum</i>	E				S3	Not currently known in the Northwest Forest Plan area of Oregon or Washington. AK and BC only?	No document- no sites
<i>Nephroma occultum</i>	C*		S3	S3	S3	OR and WA Cascades, suboceanic north interior BC; old-growth conifers	NEOC3
<i>Niebla cephalota</i>	A	SEN	S2	S2	S2	Immediate coast; conifers	NICE
<i>Pannaria rubiginella</i>		OR-SEN	S1	S1	S3	Formerly misidentified as <i>P. malmei</i> . On bark and wood in cool, moist habitats along the Pacific coast.	PARU10
<i>Pannaria rubiginosa</i>	E	OR-SEN	S2	SU	S2	West side; wetlands and riparian on the immediate coast; mainly hardwoods; some previously known PNW records are <i>P. rubiginella</i>	PARU5
<i>Peltigera pacifica</i>	E				S4		PEPA48
<i>Pilophorus nigricaulis</i>		OR-SEN	S2	S3	S3S4	West side and Columbia Gorge; cool, N-facing rock outcrops and talus	PINI2
<i>Platismatia lacunosa</i>	E				S5	On hardwoods, esp. <i>Alnus</i> , less often conifers, rarely rock; west side only	PLLA6
<i>Pseudocyphellaria perpetua</i> <i>Pseudocyphellaria hawaiiensis</i>	A	WA-SEN		S1	S1	Coastal conifers and hardwoods in <i>Picea sitchensis</i> zone; W OR to AK	PSPE6
<i>Pseudocyphellaria rainierensis</i>	A		S3	S4	S2S3	West side; old-growth conifers	PSRA3
<i>Ramalina pollinaria</i>		OR-SEN	S1S2	S2	SU	Taxonomic problems; distribution and habitat uncertain; perhaps inland only	RAPO60

<i>Ramalina thrausta</i>		WA-SEN		S2	S5	On conifers, common in OR Coast Range; apparently rare in WA; frequent in BC	RATH2
<i>Solorina saccata</i>		WA-SEN		S1	S4	Moist calcareous sites; arctic-alpine to SD and BC	SOSA60
<i>Stenocybe clavata</i>	E						STCL6
<i>Stereocaulon spathuliferum</i>		OR-SEN	S1		S4	Cascades; cool N-facing talus slopes and rock outcrops	STSP60
<i>Teloschistes flavicans</i>	A	OR-SEN	S1			Coastal, <i>Picea sitchensis</i> zone; conifers; OR and south	TEFL4
<i>Texosporium sancti-jacobi</i>		SEN	S2	S1			TESA
<i>Thelomma mammosum</i>		WA-SEN	S1	S2			THMA8
<i>Tholurna dissimilis</i>	B	SEN	S2	S2	S3S4	Cascades south to OR; also inland in BC; exposed, dwarfed subalpine conifers, S&M: south of Columbia River	THDI5
<i>Umbilicaria lambii</i>		WA-SEN		S1	S4		UMLA
<i>Umbilicaria phaea</i> var. <i>coccinea</i>		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
<i>Umbilicaria rigida</i>		WA-SEN	S1	S2	S4	arctic-alpine to Olympic Peninsula, OR Cascades, and Alberta	UMRI
<i>Usnea hesperina</i>	E				S3		USHE
<i>Usnea lambii</i>		WA-SEN	S1	S2	SH	Frequent on stable subalpine rock on flanks of major volcanoes in Cascades. Formerly called <i>U. sphacelata</i> .	USLA
<i>Usnea longissima</i>	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
<i>Usnea nidulans</i>		OR-SEN	S1		S2S3	BC to OR on the immediate coast and in the Coast Ranges	USNI

*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?v3ft9x1. 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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