



2024 Washington Lichen Species of Conservation Concern and Review Lists

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Washington Natural Heritage Program
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ON THE COVER: Arctic finger lichen (*Dactylina arctica*) is known from Okanogan and Skamania counties in Washington.

Photograph by: Richard Droker (with permission). from St. Elias Lake Trail, Yukon, Canada.

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Introduction

For more than 40 years the Washington Natural Heritage Program (WNHP) has maintained a list of Washington vascular plant species of conservation concern. Each of these species is ranked at the global and state scale following the standardized protocol of the NatureServe network. Although WNHP is not a regulatory agency, the program's list and rankings help inform conservation decisions relating to rare plants on federal, state, private, and tribal lands (WDNR 2022).

In 2011, Northwest Lichenologists (a non-profit organization promoting research and appreciation of lichens in northwestern North America) obtained a grant from the Washington Native Plant Society to conduct a review of the conservation status of lichens in Washington. The goal of the project was to make recommendations to WNHP of lichen species that are Endangered, Threatened, or Sensitive in the state. This list was submitted in February 2013 (Northwest Lichenologists 2013) but was not formally adopted by WNHP.

The following report is a substantially revised version of the 2013 list, reflecting an additional decade of research into our rare lichens. Additional information is provided on distribution patterns within Washington (local endemic, peripheral, disjunct, etc.) and by county, ecoregion, and major managed area (such as national forest, national park, or state lands). The list is divided into three parts: species of special concern (taxa listed as state endangered, threatened, sensitive, or extirpated); Review 1 (species under consideration for potential state listing but which need more information); and Review 2 (species under consideration or potential state listing, but have taxonomic questions that need to be resolved).

Each of the main headings in the species list and their codes are briefly described below:

Species/Common Name: Species are organized alphabetically by their scientific name. Nomenclature mostly follows the Consortium of North American Lichen Herbaria (2024). Pertinent synonyms are included in parentheses. Common names follow the USDA Plants database (<http://plants.usda.gov>) or NatureServe (<http://explorer.natureserve.org>).

Heritage Rank: WNHP uses the ranking system developed by NatureServe to assess global and state conservation status of each plant species, subspecies, and variety. Taxa are ranked on a scale of 1 to 5 (from highest to lowest conservation concern).

G = Global Rank: rangewide status of a full species

T = Trinomial Rank: rangewide status of a subspecies or variety

S = State Rank: status of a species, subspecies, or variety within the state of Washington

1 = Critically Imperiled – at very high risk of extinction due to very restricted range, very few occurrences, very steep declines, very severe threats, or other factors

2 = Imperiled – at high risk of extinction due to restricted range, few occurrences, steep declines, severe threats, or other factors

3 = Vulnerable – at moderate risk of extinction due to a fairly restricted range, relatively few occurrences, recent and widespread declines, threats, or other factors

- 4 = Apparently secure – at fairly low risk of extinction due to an extensive range or many occurrences, but with possible cause for some concern as a result of local recent declines, threats, or other factors
- 5 = Secure – at very low risk of extinction due to a very extensive range, abundant occurrences, and little to no concern from decline or threats
- H = Historical– known from only historical occurrences (prior to 1985) but still with some hope of rediscovery
- X = Presumed Extirpated – not relocated since 1985 despite intensive searches and virtually no likelihood of rediscovery
- U = Unrankable – lack of information or substantially conflicting information about status
- NR = Not Ranked – rank not assessed yet
- Q = Questionable - questions exist about the taxonomic validity of a species, subspecies, or variety
- ? = Questionable – questions exist about the assigned G, T, or S rank of a taxon

State Status: Washington state status is assigned by WNHP. Factors considered include abundance, distribution patterns, number of extant occurrences, vulnerability, threats, existing protection, and taxonomic distinctness. Categories include:

- Endang = Endangered, in danger of becoming extinct
- Threat = Threatened, likely to become Endangered
- Sens = Sensitive, vulnerable or declining and could become Threatened or Endangered
- Extirp = possibly extinct or extirpated in Washington (includes state historical species)

Federal Status: No lichens in Washington are currently listed or candidates for listing under the US Endangered Species Act.

The Interagency Special Status and Sensitive Species Program (ISSSSP) of the US Forest Service (USFS) and Bureau of Land Management (BLM) in Washington and Oregon recognize two categories of species of concern (ISSSSP 2019).

- B-Sens = BLM Sensitive; all USFWS candidate and delisted species and WNHP species of concern previously ranked S1, S1S2, S1S3, S2, or S2S3 found on at least one BLM managed area in Washington.
- F-Sens = Forest Service Sensitive: all USFWS candidate and delisted species and WNHP species of concern previously ranked S1, S1S2, S1S3, S2, or S2S3 found on at least one USFS managed area in Washington.

Distribution (Dist.) Pattern: Species rarity is often correlated with geographic distribution patterns. The following patterns can be recognized in Washington:

- LocEnd = Local Endemic; global range of taxon is less than 16,500 km² or about 1 degree of latitude x 2 degrees of longitude (about the size of an average county)
- RegEnd = Regional Endemic; global range of taxon is between 16,500 to 250,000 km² (or an area about the size of the state of Washington)
- Disjunct = Disjunct; globally widespread but state population is isolated from the main

contiguous range by a gap or more than 500 km

Periph = Peripheral; globally widespread but Washington population is at the margin of the main contiguous range of the taxon

Sparse = Sparse; widely distributed across the state but with relatively few populations (less than 20)

Widesp = Widespread; widely distributed globally and in Washington, with more than 20 populations in the state.

County: Three-letter codes are used to document the distribution of plant species by county. Vague or unsubstantiated reports are indicated by ?.

Ada = Adams	Grh = Grays Harbor	Pie = Pierce
Aso = Asotin	Isl = Island	Saj = San Juan
Ben = Benton	Jef = Jefferson	Skag = Skagit
Che = Chelan	Kin = King	Skm = Skamania
Clm = Clallam	Ktp = Kitsap	Sno = Snohomish
Clk = Clark	Ktt = Kittitas	Spo = Spokane
Col = Columbia	Kli = Klickitat	Ste = Stevens
Cow = Cowlitz	Lew = Lewis	Thu = Thurston
Dou = Douglas	Lin = Lincoln	Whk = Wahkiakum
Fer = Ferry	Mas = Mason	Waw = Walla Walla
Fra = Franklin	Oka = Okanogan	Whc = Whatcom
Gar = Garfield	Pac = Pacific	Wht = Whitman
Gra = Grant	Peo = Pend Oreille	Yak = Yakima

Ecoregion: Ecoregions are biologically defined geographic areas with similar environmental, physiographic, or vegetation patterns. We follow the classification of Camp and Gamon (2011). Two-letter codes are used for ecoregion names. Vague or unsubstantiated reports are indicated by “?”.

BM = Blue Mountains	EC = East Cascades	PC = Pacific Northwest Coast
CP = Columbia Plateau	NC = North Cascades	PT = Puget Trough
CR = Canadian Rockies	OK = Okanogan	WC = West Cascades

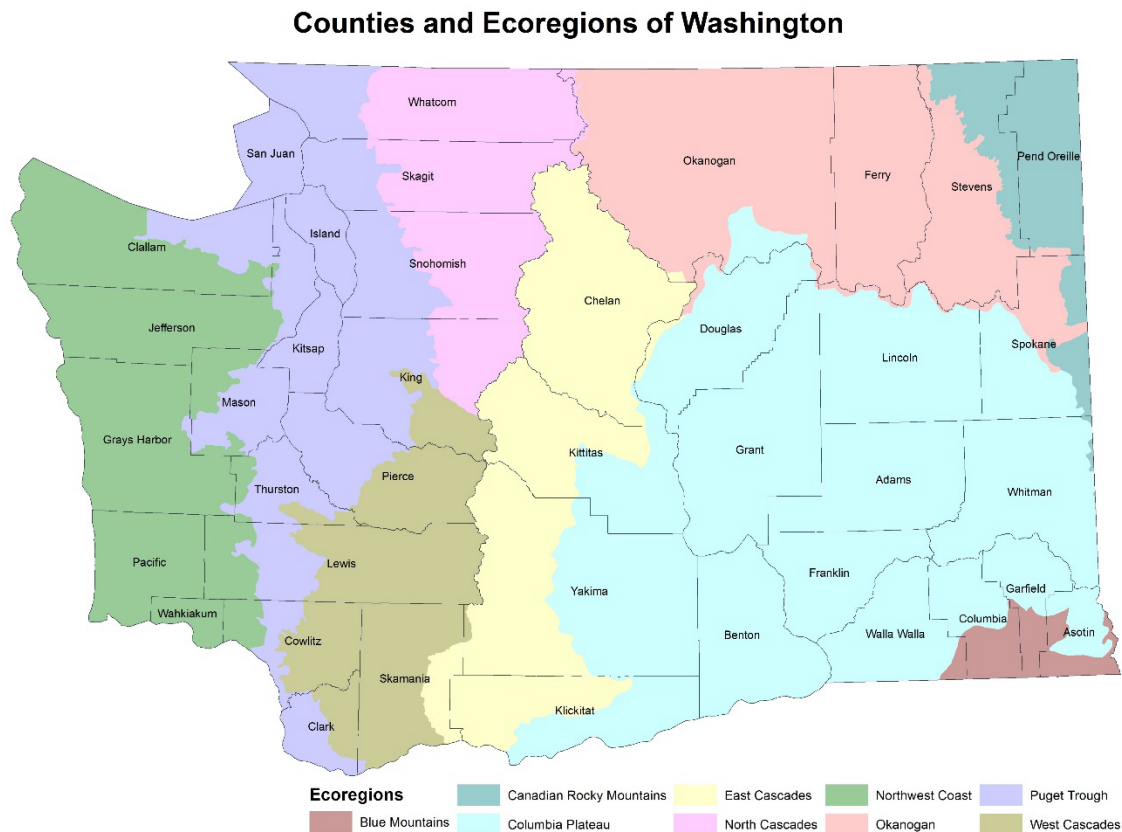


Figure 1. Washington counties and ecoregions.

Managed Area: Major Washington state, federal, or tribal land management areas are included when known. Blank listings indicate that a species is only known from private lands or state trust lands. “?” indicates that presence within a management area is not confirmed. Complete managed area information, or data specific to individual plant occurrences, can be obtained from WNHP (www.dnr.wa.gov/natural-heritage-program). The following abbreviations are used:

ACEC = Area of Critical Environmental Concern
 BLM = Bureau of Land Management
 NAP = Natural Area Preserve (Washington Dept of Natural Resources)
 NF = National Forest
 NP = National Park
 NRCA = Natural Resources Conservation Area (Washington Dept of Natural Resources)
 NSA = National Scenic Area
 NVM = National Volcanic Monument
 NWR = National Wildlife Refuge
 RNA = Research Natural Area
 SP = State Park
 SWA = State Wildlife Area (Washington Dept of Fish & Wildlife)

WA = Wilderness Area

Washington Lichen Species of Conservation Concern

This list contains taxa listed as state endangered, threatened, sensitive, or extirpated.

Washington Lichen Species of Special Concern							
Species Common Name	Heritage Rank	State Status	Federal Status	Dist. Pattern	County	Eco- region	Managed Area
<i>Acrosyphus sphaerophoroides</i> crab eye lichen	GNR/ S1	Endang		Periph	Sno	NC	Glacier WA Mt. Baker- Snoqualmie NF
<i>Alectoria nigricans</i> (<i>Gowardia nigricans</i>) witch's hair lichen	G5/S2	Sens		Wide	Che, Clm, Lew, Oka, Pie, Skg, Skm, Whc, Ska	EC, NC, OK, PC, WC	Butter Creek RNA Gifford Pinchot NF Mt. Baker- Snoqualmie NF Mt. Rainier NP Okanogan- Wenatchee NF Olympic NP Tatoosh WA North Cascade NP
<i>Alectoria ochroleuca</i> green witch's hair lichen	G5/S2	Sens		Periph	Clm Whc	PT	Olympic NP
<i>Arctoparmelia incurva</i> arctoparmelia lichen	G5/S1	Sens	F-Sens	Sparse	Oka, Yak	EC, OK	Gifford Pinchot NF Mt. Adams WA Okanogan- Wenatchee NF
<i>Bryoria bicolor</i> (<i>Alectoria bicolor</i>) Bicolored horsehair lichen	G4/S2	Sens		Periph	Clm, Kin, Jef, Pie, Pac	PC, WC	Mt. Baker- Snoqualmie NF Olympic NF Fort Columbia SP
<i>Bryoria furcellata</i> Burred Horsehair Lichen	G5/S1	Sens		Sparse	Clm, Ska, Mas Ktp	PC, PT, NC	Olympic NP Oak Patch NAP
<i>Bryoria tenuis</i> (<i>Alectoria t.</i> , <i>Bryopogon t.</i>) pied horsehair lichen	G3G5/ S1	Sens		Periph	Saj	PT	Moran SP Olympic NP
<i>Bunodophoron melanocarpum</i> (<i>Sphaerophorus compressus</i>) northern fan-coral lichen	GNR/ S1	Endang		Periph	Clm, Jef	PC	Olympic NP
<i>Calicium abietinum</i> fir pin lichen	G4G5/ S2	Sens		Sparse	Che, Isl, Lew, Ska, Wha	WC	Deception Pass SP Gifford Pinchot NF Mt. Baker- Snoqualmie NF Okanogan- Wenatchee NF Thorton Munger RNA
<i>Calicium adspersum</i> Spiral-spored guilded-head pin lichen	G3G4/ S1	Threat		Sparse	Thu	PT	Bald Hill NAP
<i>Calicium corynellum</i> narrow spore pin lichen	GNR/ S1	Endang		Sparse	Fer	OK	Turnbull NWR (not verified) Colville NF
<i>Calicium quercinum</i> oak pin lichen	G3G4/ S1	Threat		Sparse	Kli	EC	Margerum Ranch (Columbia Land Trust)

Washington Lichen Species of Special Concern							
Species Common Name	Heritage Rank	State Status	Federal Status	Dist. Pattern	County	Eco- region	Managed Area
<i>Calicium trabinellum</i> yellow-collar pin lichen	G4G5/ S1	Sens		Sparse	Oka		Okanogan- Wenatchee NF
<i>Catolechia wahlenbergii</i> Wahlenberg's catolechia lichen	G3G5/ S1	Sens		Disj	Lew	WC	Butter Creek RNA Mt. Rainier NP
<i>Cetraria juniperina</i> (syn. <i>Vulpicida tilesii</i>) yellow lichen	G5/S1	Sens		Periph	Jef	PC	Olympic NF
<i>Chaenotheca cinerea</i> ash-colored pin lichen	GNR/ S3	Sens		Sparse or wide	Cow, Fer, Yak	EC,OK, WC	Colville NF Gifford Pinchot NF Okanogan- Wenatchee NF
<i>Chaenotheca obscura</i> (<i>Chaenotheca</i> <i>balsamconensis</i>) obscure pin lichen	GNR/ S1	Endang		Periph or sparse	Lew, Peo, Yak	CR, EC, WC	Gifford Pinchot NF Okanogan NF Colville NF
<i>Chaenotheca subroscida</i> needle lichen	G3G4/ S3	Sens		Wide	FerGar, Ktt, Lew, Oka, Ska, Yak	BM, EC, OK, WC	Colville NF, Gifford Pinchot NF Okanogan- Wenatchee NF Umatilla NF
<i>Chaenothecopsis consociate</i> consociate pin lichen	GNR/ S1	Endang		Sparse	PEO	CR	Colville NF
<i>Cladonia ciliata</i> var. <i>ciliata</i> cup lichen	GNR TNR/ S2	Threat		Disj	Thu,, Mas, Kin, Saj	PT NC PC	Crowberry Bog NAP Mima Mounds NAP Scatter Creek SWA Rocky Prairie SWA Mount Baker- Snoqualmie NF Olympic NF
<i>Cladonia ciliata</i> var. <i>tenuis</i> cup lichen	GNR TNR/ S1	Endang		Disj	Thu, Skg, Saj, Wha	PT NC PC	Glacial Heritage Preserve Mima Mounds NAP Scatter Creek SWA Deception Pass SP Shark Reef SP
<i>Cladonia novochlorophaea</i> novochlorophaeic pixie-cup lichen	G1/S1	Endang		Disj	Thu, Wha, Skg, Cla, Jeff	PT PC NC	Glacial Heritage Preserve Mima Mounds NAP Scatter Creek SWA Rocky Prairie SWA McKenny SP Olympic NP Mt. Baker, Snoqualmie NF
<i>Cladonia poroscypha</i> perforate pixie cup	GNR/ S1	Endang		RegEnd	Isl, Skg	PT	Deception Pass SP
<i>Cladonia portentosa</i> ssp. <i>pacifica</i> maritime reindeer lichen	G5TNR /S2	Threat		RegEnd	Pac, Skg, Thu Isl Saj	PC PT NC	Glacial Heritage Preserve Leadbetter Point SP Mima Mounds NAP Scatter Creek SWA Shark Reef SP Washington Park Olympia NP

Washington Lichen Species of Special Concern							
Species Common Name	Heritage Rank	State Status	Federal Status	Dist. Pattern	County	Eco- region	Managed Area
<i>Collema curtisporum</i> short-spored jelly lichen	G3/S1	Endang		RegEnd	Kli, Peo, Che	EC, PT, BM,	Badger Gulch NAP Columbia Hills NAP White Salmon Oak NRCA Bald Hill NAP
<i>Collema nigrescens</i> (<i>Synechoblastus nigrescens</i>) jelly lichen	G5?/S3	Sens		Sparse	Lew, Peo, Pie, Skm, Thu	CR, PT, WC	Bald Hill NAP Columbia Hills NAP White Salmon Oak NRCAC Columbia River Gorge NSA Colville NF Gifford Pinchot NF Halliday Fen RNA Mt. Baker- Snoqualmie NF Mt. St. Helens NVM
<i>Dactylina arctica</i> arctic finger lichen	G5/SH	Extirp	F-Sens	Disj	Oka, Skm	OK, WC	Gifford Pinchot NF Okanogan- Wenatchee NF
<i>Dactylina ramulosa</i> Frosted finger lichen	G5/S1	Sens		Periph	Oka	OK	Okanogan- Wenatchee NF Pasayten WA
<i>Dermatocarpon meiophyllizum</i> silverskin lichen	G3G5/ S2	Sens	B-Sens F-Sens	Sparse	Che, Ktt, Lin, Oka, Skm	CP, EC, OK, WC	Alpine Lakes WA Gifford Pinchot NF Mt. St. Helens NVM Okanogan- Wenatchee NF Pasayten WA Spokane BLM
<i>Dermatocarpon moulinsii</i> Moulins' silverskin lichen	GNR/ S1	Endang		Sparse	Whc, Wha	NC	Mt. Baker- Snoqualmie NF North Fork Nooksack RNA
<i>Erioderma soledatum</i> erioderma lichen	G4G5/ S2	Sens	B-Sens F-Sens	Periph	Clm, Jef, Pac	PC	Leadbetter Point SP Olympic NP
<i>Fulgensia bracteata</i> bracted sulphur lichen	G5?/S1	Sens		Periph	Ben, Oka, Dou, Ktt	CP, EC OK	Okanogan NF Horse Haven Hills BLM
<i>Fulgensia subbracteata</i> creeping sulphur lichen	GNR/ S1	Endang		Periph	Aso	CP	Chief Joseph WA
<i>Fuscopannaria coralloidea</i> coral shingle lichen	G2G4/ S1	Endang		RegEnd	Clm, Saj, Skg	PC, PT	Olympic NP Washington Park Deception Pass SP
<i>Fuscopannaria laceratula</i> torn shingles lichen	G5/S1	Sens		Periph	Clm	PC	Olympic NP
<i>Fuscopannaria maritima</i> seaside shingle lichen	G4?/ S2	Threat		Sparse	Clm, Pac, Whc, Skg, Saj, Ktp	PT, NC, PC	Aiston Preserve Cape Disappointment SP Olympic NP
<i>Fuscopannaria pulveracea</i> powdery shingle lichen	G1G2/ S1	Endang		RegEnd	Ska	EC	Columbia Hills NAP
<i>Heterodermia leucomelos</i> (<i>H. leucomela</i>) shield lichen	G5/S1	Sens		Periph	Jef, Pac	PC	Cape Disappointment SP Olympic NF

Washington Lichen Species of Special Concern							
Species Common Name	Heritage Rank	State Status	Federal Status	Dist. Pattern	County	Eco- region	Managed Area
<i>Hypogymnia heterophylla</i> seaside bone lichen	G4/S2	Sens		Sparse	Pac, Thu, Grh, Isl	PC, PT	Bald Hill NAP Cape Disappointment SP Westport Light SP Deception Pass SP
<i>Hypotrachyna afrorevoluta</i> (<i>H. revoluta</i>) powdered loop lichen	G4G5/ S3	Sens	F-Sens	Periph	Skg, Skm, Thu, Lew	NC, PC, PT, WC	Beacon Rock SP Cypress Island NRCA Columbia River Gorge NSA Glacial Heritage Preserve Lewis and Clark SP Mima Mounds NAP Rainbow Falls SP Mt. Baker- Snoqualmie NF
<i>Kaernefeltia californica</i> (<i>Cetraria californica</i>) kaernefeltia lichen	G3/S1	Endang		Sparse	Grh, Skg	PC	Westport Lighthouse SP Bay City Fidalgo Head
<i>Leioderma soledatum</i> treepelt lichen	G4/S1	Sens		Periph	Clm	PC	Olympic NP
<i>Leptogium compactum</i> compact jelly lichen	GNR/ S1	Endang		Sparse	Skm, Skg	WC, NC	Columbia River Gorge NSA Mt Baker- Snoqualmie NF North Cascades NP (unconfirmed)
<i>Leptogium cyanescens</i> skin lichen	G5/S1	Sens	F-Sens	Periph	Skm, Sno Clm	NC, WC, PC	Mt. Baker- Snoqualmie NF Olympic NP
<i>Leptogium stancookii</i> Stancook's jelly lichen	GNR/S 1	Endang		Sparse	Skm	WC	Columbia River Gorge NSA
<i>Nephroma occultum</i> kidney lichen	G4[G3] /S2	Threat		Wide	Lew, Oka, Peo, Skm, Sno, Whc	CR, NC, OK, WC	Cedar Flats RNA Colville NF Gifford Pinchot NF Halliday Fen RNA Mt. Baker- Snoqualmie NF Mt. St. Helens NVM Okanogan- Wenatchee NF Mt Rainier NP
<i>Niebla cephalota</i> niebla lichen	G4/ S2	Sens	B-Sens	Disj	Clm, Isl, Saj, Skg	PT	Deception Pass SP Point Colville ACEC San Juan NHP Point Colville, BLM Sequim Bay SP Spokane BLM Olympic NP
<i>Pannaria oregonensis</i> (<i>P. rubiginella</i> , <i>P. rubiginosa</i> , misapplied) shingle lichen	GNR/ S1	Endang		Periph	Jef, Grh	PC	Olympic NP

Washington Lichen Species of Special Concern							
Species Common Name	Heritage Rank	State Status	Federal Status	Dist. Pattern	County	Eco- region	Managed Area
<i>Parmostictina mallota</i> disjunct lung lichen	G4/S2	Sens		Sparse	Grh, Mas, Ska, Cla, Jeff, Lew, Ska	PC, PT, WC, NC	North Cascades NP Olympic NP Olympic NF Gifford Pinchot NF
<i>Peltigera gowardii</i> (<i>Hydrothyria venosa</i> , <i>H. fontana</i> , <i>P. hydrothyria</i>) western waterfan lichen	G4/S3	Sens		Wide	Che, Cow, Lew, Ska, Sno	EC, NC, WC	Gifford Pinchot NF Glacier Peak WA Mt. Adams WA Mt. Baker- Snoqualmie NF Mt. St. Helens NVM Okanogan- Wenatchee NF
<i>Pertusaria coccodes</i> black-spotted wart lichen	GNR/ S1	Endang		Disj	Clm	PC	
<i>Phaeophyscia constipate</i> pincushion shadow lichen	G4G5/ S1	Sens		Sparse	Aso, Cla, Whc, Gar	EC, NC, PC	Olympic NP
<i>Pilophorus nigricaulis</i> nail lichen	G3G4/ S3	Sens			Jef, Kin, Lew, Wha, Grh, Ska	PC, NC, WC, EC,	Olympic NF Butter Creek RNA
<i>Placidium fingens</i> stipplescale lichen	GNR/ S1	Endang		RegEnd	Kli	EC	Margerum Ranch Badger Gulch NAP Columbia Hills NAP
<i>Pseudocyphellaria hawaiiensis</i> (<i>P. perpetua</i> in part) gilded specklebelly	G5/S1	Sens	F-Sens	Disj	Grh, Pac, Jeff	PC, WC, NC	Olympic NF
<i>Pseudocyphellaria rainierensis</i> Rainier specklebelly	G4/S3	Sens		RegEnd	Grh, Jef, Kin, Lew, Pie, Skg, Skm, Sno, Whc Clm, Mas Sky	NC, PC, WC	Cedar Flats RNA Gifford Pinchot NF Glacier Peak WA Mt. Baker- Snoqualmie NF Mt. Rainier NP Mt. St. Helens NVM Olympic NF Olympic NP
<i>Ramalina labiosorediata</i> (<i>R. pollinaria</i>) powdery twig lichen	G4/S2	Sens		Periph	Clm, Grh, Isl, Saj, Skg, Sno	PC, PT	Deception Pass SP Dungeness NWR Obstruction Pass SP Point Colville ACEC Spokane BLM
<i>Ramalina thrausta</i> cartilage lichen	G5/S2	Sens	B-Sens F-Sens	Sparse	Lew, Pac, Peo	CR, PC, WC	Colville NF Fort Columbia SP Gifford Pinchot NF
<i>Rostania ceranisca</i> (<i>Collema ceranisca</i>) pinchusion tarpaper lichen	GNR/ S1	Endang		Sparse	Linc	CP	Spokane BLM
<i>Scytinium quadrifidum</i> (<i>Rostania quadrifida</i> ; <i>Collema quadrifida</i>) rasin tarpaper lichen	G2?/ S2	Threat		Sparse	Kli, Thu	EC, PT	Margerum Ranch (Columbia Land Trust) Bald Hill NAP Badger Gulch NAP Columbia Hills NAP

Washington Lichen Species of Special Concern							
Species Common Name	Heritage Rank	State Status	Federal Status	Dist. Pattern	County	Eco- region	Managed Area
<i>Solorina saccata</i> chocolate chip lichen	G5/ S2	Sens	B-Sens F-Sens	Periph	Peo, Skg, Whc	CR, NC	Colville NF Mt. Baker- Snoqualmie NF Mt. Baker WA North Cascades NP
<i>Solorina spongiosa</i> fringed chocolate chip lichen	G4G5/ S2	Sens		Sparse	Jef, Peo	PC CR	Olympic NP Colville NF
<i>Sphinctrina leucopoda</i> Sphinctrina lichen	GNR/ S1	Endang		Sparse	Mas	PC	Olympic NF
<i>Stereocaulon spathuliferum</i> chalk foam lichen	G4G5/ S1	Sens	B-Sens		Yak, Skm, Clm	PC, EC, WC	Olympic NP Gifford Pinchot NF Steamboat Mountain RNA
<i>Sulcaria badia</i> groovy beard lichen	G3/SH	Extirp		Disj	Clm	PT	Dungeness SP
<i>Sulcaria spiralifera</i> (<i>Bryoria pseudocapillaris</i> , <i>B.</i> <i>spiralifera</i>) horsehair lichen	G3G4/ S1	Endang		Disj	Clm, Isl	PC, PT	Deception Pass SP Olympic NP
<i>Texosporium sancti-jacobi</i> woven-spore lichen	G3/S2	Threat	B-Sens F-Sens	Periph	Ben, Kli, Yak	CP	Cleveland Shrub Steppe NAP Spokane BLM
<i>Thelomma mammosum</i> thelomma lichen	G3G4/ S2	Sens	B-Sens	Periph	Isl, Saj, Skg	PT	Cattle Point NRCA Cemetery Island SP Deception Pass SP Point Colville ACEC San Juan Islands NWR Spokane BLM
<i>Tholurna dissimilis</i> urn lichen	G4G5/ S2	Sens	B-Sens F-Sens	Sparse	Che, Clm, Kin, Lew, Oka, Pie, Skm, Sno, Whc	EC, NC, OK, PC, WC	Alpine Lakes WA Gifford Pinchot NF Glacier Peak WA Henry M. Jackson WA Mt. Baker- Snoqualmie NF Mt. Baker WA Okanogan- Wenatchee NF Olympic NP Pasayten WA
<i>Tingiopsidium isidiatum</i> (<i>Vestergrenopsis isidiata</i>) peppered brownette lichen	G4?/ S1	Sens		Sparse	Whc, Lew, Ska, Skm	PT, NC	Mt. Baker- Snoqualmie NF Gifford Pinchot NF
<i>Umbilicaria hirsuta</i> granulating rocktripe lichen	G2G4/ S1	Endang		Periph	Cla	CR, EC	Olympic NF
<i>Umbilicaria lambii</i> Lamb's navel lichen	G4/S1	Sens	F-Sens	RegEnd	Jef, Lew, Skm	PC, WC	Gifford Pinchot NF Mt. St. Helens NVM Olympic NP Tatoosh WA
<i>Umbilicaria nylanderiana</i> Nylander's rocktripe lichen	GNR/ S1	Endang		Periph	Pie, Kin, Che, Yak	WC, NC, EC	Mt Rainier NP Mount Baker- Snoqualmie NF
<i>Umbilicaria phaea</i> var. <i>coccinea</i> navel lichen	G5?T3 Q/S1	Endang	B-Sens	Disj	Che, Dou	CP, EC	Spokane BLM

Washington Lichen Species of Special Concern							
Species Common Name	Heritage Rank	State Status	Federal Status	Dist. Pattern	County	Eco- region	Managed Area
<i>Umbilicaria rigida</i> rigid navel lichen	G5/S2	Sens	F-Sens	Sparse	Clm, Pie, Sno, Jeff, Wha	PC, WC, NC	Olympic NP Mount Rainier NP Silver Lake RNA
<i>Umbilicaria scholanderi</i> (<i>Argyrophora scholanderi</i>) Scholander's navel lichen	G1/SH	Extirp		Disj	Mas	PC	Olympic NF
<i>Usnea cavernosa</i> pitted beard lichen	G5/S2	Sens		sparse	Thu, Skg, Sag, Wha, Clm	PT, PC, NC	Bald Hill NAP
<i>Usnea lambii</i> (<i>Neuropogon lambii</i>) zebra beard lichen	G4G5/ S1	Sens	F-Sens	Disj	Pie, Skm, Sno, Yak	EC, NC, WC	Gifford Pinchot NF Glacier Peak WA Mt. Adams WA Mt. Baker- Snoqualmie NF Mt. Rainier NP
<i>Usnea rubicunda</i> red beard lichen	G4G5/ S1	Endang		RegEnd	Pac, Grh, Clm	PC	Westport Light SP
<i>Usnea subgracilis</i> (<i>U. hesperina</i> , <i>U.</i> <i>schadenbergiana</i>) slender beard lichen	G4G5/ S2	Sens		Sparse	Clm, Pac	PC	Fort Columbia SP Olympic NP
<i>Waynea californica</i> Waynea lichen	GNR/ S2	Threat		RegEnd	Thur Saj Skm	PT, WC, EC	Bald Hill NAP Victim Island SP Columbia River Gorge National Scenic Area

Washington Lichen Review List 1

This list contains species under consideration for potential state listing but for which sufficient information to warrant listing is not yet available.

Washington Lichen Review List 1					
Species Common Name	Heritage Rank	Dist. Pattern	County	Eco- region	Comment/Information Needs
<i>Bryocaulon divergens</i> (<i>Alectoria divergens</i> , <i>Cornicularia divergens</i> , <i>Coelocaulon divergens</i>) heath foxhair lichen	G5/SU	Sparse	Che, Pie, Saj, Whi	EC, PT, WC	Known from 4 historical occurrences in WA, last observed in 1962
<i>Buellia oidalea</i> disc lichen	G4/SU	Disj	Clm, Kin, Pie, Saj, Sno, Whc	PC, PT	Because of taxonomic issues, herbarium records under this name may not be accurate and the distribution in WA is not currently well documented
<i>Buellia tesserrata</i> tessellate disc lichen	GNR/SU	Disj	Isl?, Saj	PT	Known from 1 or 2 extant occurrences in WA
<i>Circinaria hispida</i> (<i>Aspicilia hispida</i>) desert vagabond lichen	G3/SNR	Sparse	Ktt, Lin, Yak	CP	Known from 3 extant occurrences in WA
<i>Cladonia concinna</i> high-rise pixie lichen	GNR/S1	RegEnd	Thu, Mas Kit	PT	Known from Puget Sound prairies on soil and 2 other records in Puget Trough
<i>Coccotrema pocillarium</i> coccotrema lichen	G2G4/S1	Periph	Clm, Jef?	PC	Known from 2 extant and 2 historical occurrences in WA
<i>Flavoparmelia caperata</i> common greenshield lichen	G5/SU	Disj	Isl, Skg	PT	Known from 2 extant occurrences in WA
<i>Leptogium teretiusculum</i> (<i>Scytinium teretiusculum</i>) curly jellyskin lichen	G4G5Q/ S1	Sparse	Cow, Skg, Skm, Whc	PT, WC	Known from 4 extant and 4 historical occurrences in WA. Problems with definite ID, McCune & Stone haven't found one yet; most sequences are cellulosum
<i>Ochrolechia turneri</i> Turner's saucer lichen	GNR/SU	Periph	Saj	PT	Known from 6 occurrences in WA
<i>Peltigera lepidophora</i> scaly pelt lichen	G5/S1	Sparse	Grh, Jef, Oka, Pie, Spo, Whc	CP, NC, OK, PC, WC	Known from 3 extant and 5 historical occurrences in WA
<i>Pertusaria flavocorallina</i> pore lichen	GNR/SU	Disj?	?	?	Reported for WA, location needs to be confirmed
<i>Phaeographis smithii</i>	GNR/SU	Disj	Clm	PC	Known from 1 occurrence in WA

Smith's phaeographis lichen					
<i>Rhizocarpon cookeanum</i> Cooke's map lichen	GNR/S1	Sparse	Aso, Gar, Gra, Spo, Wht	CP	Known from 3 extant occurrences and 3 historical records in WA; some recent reports may need confirmation
<i>Ricasolia amplissima</i> (<i>Dendroscocaulon intricatum</i> , <i>Lobaria amplissima</i>) olive-thorn lichen	GNR/ SNR	Sparse	Jef, Skm, Sno, Whc	NC, PC, WC	Known from 10 extant and 1 historical occurrences in WA; See Cornejo et al., 2017
<i>Rinodina aspersa</i> pepper-spore lichen	GNR/S1	Disj	Saj	PT	Known from 1 extant occurrence in WA
<i>Schaereria dolodes</i> Fraudulent false map lichen	G4/S1	RegEnd	Lew, Spo	CR, WC	Known from 4 extant occurrences in WA
<i>Trapeliopsis glaucepholis</i> California mottled- disk lichen	G3G4/S1	Sparse	Che, Kli, Ktt, Peo	CP, CR, EC	Known from 5 extant and 2 historical occurrences in WA
<i>Trapeliopsis steppica</i> grassland mottled- disk lichen	G2G4/S1	Disj	Ben, Dou Lin	CP	Known from 2 extant occurrences in WA plus DS found 1 in Lincoln Co.
<i>Umbilicaria lyngei</i> Lynge's navel lichen	G3/SH	<u>Extirp</u>	Pie, Whc	Sparse	More study is needed
<i>Usnea quasirigida</i> beard lichen	GNR/S2	Threat	Skg, Whc	Disj	

Washington Lichen Review List 2

This list contains species under consideration for potential state listing that have taxonomic questions that need to be resolved.

Washington Lichen Review List 2					
Species Common Name	Heritage Rank	Dist. Pattern	County	Eco- region	Comment/Information Needs
<i>Alectoria lata</i> Flowering witch's hair	G3G4/SNR	Sparse	Che, Clm, Kli, Ktt, Lew, Skm, Sno, Whc, Yak	EC, NC, PC, WC	Known from at least 13 extant and 3 historical occurrences in WA
<i>Ramboldia subcinnabarina</i> (<i>Lecidea subcinnabarina</i> , <i>Pyrrhospora subcinnabarina</i>) crimson dot lichen	GNR/SNR	Periph	Cow, Kit, Ska, Whc	NC, WC	Known from 10 occurrences in WA
<i>Umbilicaria arctica</i> (<i>Gyrophora arctica</i>) Arctic rocktripe lichen	G4G5/SNR	Sparse	Che, Jef, Lew, Oka	EC, OK, PC	Known from 2 extant and 3 historical occurrences in WA.

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