

Macrolichens and Mesolichens of Wells Gray Provincial Park and Vicinity



Mountain Candlewax (*Ahtiana sphaerosporella*) Photo by Tim Wheeler.

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INTRODUCTION

Wells Gray Provincial Park is a vast, largely unexplored wilderness preserve situated in the mountains and highlands of south-central British Columbia (52°N, 120°W), and encompassing the watershed of the Clearwater River. The park itself occupies an area of about 5400 square kilometres, though difficulties of access have limited botanical exploration to the southern and south-eastern portions of the park and adjacent areas: a total coverage of less than 1000 square kilometres (see maps in Björk & Goward 2011).

The first major study of the macrolichens and mesolichens of Wells Gray and vicinity was published by Trevor Goward and Teuvo Ahti, who documented 293 taxa (Goward & Ahti 1992). For convenience, macrolichens can be defined as non-crustose lichens in which the largest repeating thalline unit (lobes or branches) measure more than about 1 cm in length. In mesolichens, the largest lobes, scales or branches are smaller than this.

The present checklist is the first phase of a detailed flora of Wells Gray's macrolichens. One hundred and thirty-one taxa have been detected in the study area since 1992, including 21 species still apparently undescribed. The total documented flora thus now stands at 424 taxa - or 403 taxa if only named species are included. This represents by far the richest assemblage of non-crustose lichens yet reported for any area of equivalent size (Spribille et al. 2010).

One hundred and six macro- and mesolichen genera are present in Wells Gray and vicinity. Genera particularly well represented here include *Cladonia* with 49 taxa, *Peltigera* with 35 species, and *Hypogymnia* with 17 species. *Peltigera* has its global centre of diversity in the Clearwater Valley.

REFERENCES

- Björk, C.R. and T. Goward. 2011. A second annotated checklist of vascular plants of Wells Gray Provincial Park and vicinity, British Columbia, Canada. Enlivened Consulting Ltd, Clearwater, British Columbia: http://waysofenlichenment.net/public/pdfs/wells_gray_vasculars.pdf (Version 1, first posted May 2011).
- Goward, T. and T. Ahti. 1992. Macrolichens and their zonal distribution in Wells Gray Provincial Park and its vicinity, British Columbia, Canada. Acta Botanica Fennica 147: 1-60.
http://waysofenlichenment.net/public/pdfs/Goward_Ahti_1992_Wells_Gray_macros.pdf
- Spribille, T., S. Pérez-Ortega, T. Tønsberg and D. Schirokauer. 2010. Lichens and lichenicolous fungi of the Klondike Gold Rush National Historic Park, Alaska, in a global biodiversity context. The Bryologist 113: 439-515.

Suggested citation: Goward, T. and C.R. Björk. 2013. Macrolichens and mesolichens of Wells Gray Provincial Park and vicinity. Enlivened Consulting Ltd, Clearwater, British Columbia: <http://waysofenlichenment.net/wells/checklists/macrolichens> (Version 2, first posted June 2013).

CHECKLIST

"Ahtiana" pallidula (Tuck. ex Riddle) Goward & Thell
Ahtiana sphaerosporella (Müll. Arg.) Goward

Alectoria ochroleuca (Hoffm.) A. Massal.
Alectoria sarmentosa (Ach.) Ach. ssp. *sarmentosa* (Ach.) Ach.
Alectoria sarmentosa (Ach.) Ach. ssp. *vexillifera* (Nyl.) D. Hawksw.

Allantoparmelia alpicola (Th. Fr.) Essl.

Anaptychia crinalis (Schaerer) Vězda

Anema nodulosum (Nyl.) Forssell

Arctomia delicatula Th. Fr.

Arctoparmelia centrifuga (L.) Hale
Arctoparmelia incurva (Pers.) Hale
Arctoparmelia subcentrifuga (Oxner) Hale

Baeomyces carneus Flörke
Baeomyces placophyllus Ach.
Baeomyces rufus (Hudson) Rebert.

Brodoa oroarctica (Krog) Goward

Bryoria capillaris (Ach.) Brodo & D. Hawksw.
Bryoria fremontii (Tuck.) Brodo & D. Hawksw.
Bryoria fuscescens (Gyelnik) Brodo & D. Hawksw.
Bryoria glabra (Mot.) Brodo & D. Hawksw.
Bryoria lanestrus (Ach.) Brodo & D. Hawksw.
Bryoria pseudofuscescens (Gyelnik) Brodo & D. Hawksw.
Bryoria tortuosa (G. Merr.) Brodo & D. Hawksw.
Bryoria sp. 1

Catapyrenium cinereum (Pers.) Körb.
Catapyrenium daedalum (Krempelh.) B. Stein

Catolechia wahlenbergii (Ach.) Körb.

Cavernularia hultenii Degel.

Cetraria ericetorum Opiz ssp. *reticulata* (Räsänen) Kärnefelt
Cetraria islandica (L.) Ach. ssp. *islandica*
"Cetraria" sepincola (Ehrh.) Ach.
Cetraria subalpina Imshaug

Cladina arbuscula (Wallr.) Hale & Culb.
Cladina mitis (Sandst.) Hustich
Cladina rangiferina (L.) Nyl.
Cladina stellaris (Opiz) Brodo

Cladonia acuminata (Ach.) Norrlin
Cladonia albonigra Brodo & Ahti
Cladonia amaurocraea (Flörke) Schaerer
Cladonia bacilliformis (Nyl.) Glück
Cladonia bellidiflora (Ach.) Schaerer
Cladonia borealis S. Stenroos
Cladonia botrytes (K. Hagen) Willd.
Cladonia cariosa (Ach.) Sprengel
Cladonia carneola (Fr.) Fr.
Cladonia cenotea (Ach.) Schaerer
Cladonia cervicornis (Ach.) Flotow
Cladonia chlorophaea (Flörke ex Sommerf.) Sprengel
Cladonia coniocraea (Flörke) Sprengel
Cladonia cornuta (L.) Hoffm. ssp. *cornuta*
Cladonia crispata (Ach.) Flotow var. *crispata*
Cladonia cyanipes (Sommerf.) Nyl.
Cladonia decorticata (Flörke) Sprengel
Cladonia deformis (L.) Hoffm.
Cladonia digitata (L.) Hoffm.
Cladonia ecmocyna Leighton ssp. *intermedia* (Robbins) Ahti
Cladonia ecmocyna Leighton ssp. *occidentalis* Ahti
Cladonia fimbriata (L.) Fr.
Cladonia gracilis (L.) Willd. ssp. *elongata* (Jacq.) Vainio
Cladonia gracilis (L.) Willd. ssp. *turbinata* (Ach.) Ahti
Cladonia luteoalba Wheldon & A. Wilson
Cladonia macilenta Hoffm.
Cladonia macroceras (Delise) Hav.
Cladonia macrophylla (Schaerer) Stenh.
Cladonia macrophyllodes Nyl.
Cladonia merochlorophaea Asah.
Cladonia metacorallifera Asah.
Cladonia multiformis G. Merr.
Cladonia norvegica Tønsberg & Holien
Cladonia ochrochlora Flörke
Cladonia parasitica (Hoffm.) Hoffm.
Cladonia phyllophora Hoffm.
Cladonia pleurota (Flörke) Schaerer
Cladonia pocillum (Ach.) Grognot
Cladonia pyxidata (L.) Hoffm.

- Cladonia rei* Schaerer
Cladonia scabriuscula (Delise) Nyl.
Cladonia squamosa Hoffm.
Cladonia stricta (Nyl.) Nyl.
Cladonia subulata (L.) F.H. Wigg.
Cladonia sulphurina (Michaux) Fr.
Cladonia symphy carpia (Flörke) Fr.
Cladonia umbricola Tønsberg & Ahti
Cladonia uncialis (L.) F.H. Wigg.
Cladonia verruculosa (Vainio) Ahti
- Coelocaulon "aculeatum"* (Schreber) Link
- Collema bachmanianum* (Fink) Degel.
Collema crispum (Hudson) F.H. Wigg.
Collema cristatum (L.) F.H. Wigg. var. *marginale* (Hudson) Degel.
Collema curtisporum Degel.
Collema furfuraceum (Arnold) Du Rietz
Collema fuscovirens (With.) J.R. Laundon
Collema glebulentum (Nyl. ex Crombie) Degel.
Collema multipartitum Sm.
Collema occultatum Bagl.
Collema polycarpon Hoffm.
Collema subflaccidum Degel.
Collema tenax (Sw.) Ach. var. *corallinum* (A. Massal.) Degel.
Collema tenax (Sw.) Ach. var. *crustaceum* (Kremp.) Degel.
Collema undulatum Laurer ex Flotow var. *granulosum* Degel.
- Cornicularia normoerica* (Gunn.) Du Rietz
- Cystocoleus ebeneus* (Dillwyn) Thwaites
- Dactylina arctica* (Richardson) Nyl. ssp. *arctica*
Dactylina ramulosa (Hook.) Tuck.
- Dendriscoaulon oroboreale* (Goward & Tønsberg) comb. ined.
Dendriscoaulon wrightii (Tuck.) comb. ined.
- Dermatocarpon atrogranulosum* Breuss
Dermatocarpon intestiniforme (Körb.)
Dermatocarpon leptophyllodes (Nyl.) Zahlbr.
Dermatocarpon miniatum (L.) W. Mann
Dermatocarpon reticulatum H. Magn.
Dermatocarpon rivulorum (Arnold) Dalla Torre & Sarnth.

Endocarpon pulvinatum Th. Fr.

Endocarpon pusillum Hedwig

Ephebe hispidula (Ach.) Horw.

Ephebe lanata (L.) Vainio

Esslingeriana idahoensis (Essl.) Hale & M.J. Lai

Euopsis granatina (Sommerf.) Nyl.

Euopsis pulvinata (Schaerer) Nyl.

Evernia divaricata (L.) Ach.

Evernia mesomorpha Nyl.

Evernia prunastri (L.) Ach.

Flavocetraria cucullata (Bellardi) Kärnefelt & Thell

Flavocetraria nivalis (L.) Kärnefelt & Thell

Fuscopannaria ahlneri (P.M. Jørg.) P.M. Jørg.

Fuscopannaria aurita P.M. Jørg.

Fuscopannaria confusa (P.M. Jørg.) P.M. Jørg.

Fuscopannaria coralloidea P.M. Jørg.

Fuscopannaria cyanolepra (Tuck.) P.M. Jørg.

Fuscopannaria mediterranea (Tav.) P.M. Jørg.

Fuscopannaria praetermissa (Nyl.) P.M. Jørg.

Fuscopannaria ramulina P.M. Jørg. & Tønsberg

Gowardia nigricans (Ach.) P. Halonen et al.

Hypocenomyce anthracophila (Nyl.) P. James & Gotth. Schneider

Hypocenomyce castaneocinerea (Räsänen) Timdal

Hypocenomyce friesii (Ach.) P. James & Gotth. Schneider

Hypocenomyce oligospora Timdal

Hypocenomyce scalaris (Ach.) M. Choisy

Hypogymnia apinnata Goward & McCune

Hypogymnia austerodes (Nyl.) Räsänen

Hypogymnia bitteri (Lynge) Ahti

Hypogymnia canadensis Goward & McCune

Hypogymnia enteromorpha (Ach.) Nyl.

Hypogymnia imshaugii Krog

Hypogymnia occidentalis L. Pike

Hypogymnia oceanica Goward

Hypogymnia physodes (L.) Nyl.

Hypogymnia recurva Goward, C.R. Björk & Hollinger

Hypogymnia rugosa (G. Merr.) L. Pike

- Hypogymnia tubulosa* (Schaerer) Hav.
Hypogymnia vittata (Ach.) Parrique
Hypogymnia wilfiana Goward, T. Sprib. & Ahti
Hypogymnia sp. 1
Hypogymnia sp. 2
Hypogymnia sp. 3
- Imshaugia aleurites* (Ach.) S.F. Meyer
- Kaernefeltia merrillii* (Du Rietz) Thell & Goward
- Lasallia pensylvanica* (Hoffm.) Llano
- “*Lecanora*” *pringlei* (Tuck.) I.M. Lamb
- Leciophysma finmarkicum* Th. Fr.
- “*Lempholemma*” *botryosum* (A. Massal.) Zahlbr.
Lempholemma chalazanum (Ach.) B. De Lesd.
 “*Lempholemma*” *cladodes* (Tuck.) Zahlbr.
 “*Lempholemma*” *intricatum* (Arnold) Zahlbr.
 “*Lempholemma*” *isidioides* (Nyl. ex Arnold) H. Magn.
Lempholemma polyanthes (Bernh.) Malme
- Leprocaulon microscopicum* (Vill.) Gams ex D. Hawksw.
Leprocaulon subalbicans (I.M. Lamb) I.M. Lamb & Ward
- Leptochidium albociliatum* (Desm.) M. Choisy
- Leptogium burnetiae* C.W. Dodge
Leptogium cellulorum P.M. Jørg. & Tønsberg
Leptogium cyanescens (Rabenh.) Körb.
Leptogium gelatinosum (With.) J.R. Laundon
Leptogium intermedium (Arnold) Arnold
Leptogium lichenoides (L.) Zahlbr.
Leptogium nanum Herre
Leptogium plicatile (Ach.) Leighton
Leptogium pulvinatum (Hoffm.) Cromb.
Leptogium rivale Tuck.
Leptogium saturninum (Dickson) Nyl.
Leptogium subtile (Schrader) Torss.
Leptogium tenuissimum (Dickson) Körb.
Leptogium teretiusculum (Wallr.) Arnold
- Letharia vulpina* (L.) Hue
Letharia sp. 1

Lichenomphalia hudsonianum (H.S. Jenn.) Redhead et al.

Lichinella sp. 1

Lichinodium canadense Henssen

Lichinodium sirosiphoideum Nyl.

Lobaria hallii (Tuck.) Zahlbr.

Lobaria linita (Ach.) Rabenh.

Lobaria pulmonaria (L.) Hoffm.

Lobaria retigera (Bory) Trevisan

Lobaria scrobiculata (Scop.) DC.

Lobothallia alphoplaca (Wahlenb.) Hafellner

Loxosporopsis corallifera Brodo, Henssen & Imshaug

Massalongia carnosa (Dickson) Körb.

Melanelia agnata (Nyl.) Thell

“*Melanelia*” *commixta* (Nyl.) Thell

Melanelia disjuncta (Erichsen) Essl.

Melanelia hepatizon (Ach.) Thell

Melanelia panniformis (Nyl.) Essl.

Melanelia sorediata (Ach.) Goward & Ahti

Melanelia stygia (L.) Essl.

Melanelixia fuliginosa (Fr. ex Duby) Essl.

Melanelixia subaurifera (Nyl.) Essl.

Melanohalea elegantula (Zahlbr.) Essl.

Melanohalea exasperatula (Nyl.) Essl.

Melanohalea multisporea (A. Schneider) Essl.

Melanohalea septentrionalis (Lynge) Essl.

Melanohalea subelegantula (Essl.) Essl.

Melanohalea subolivacea (Nyl.) Essl.

Melanohalea trabeculata (Ahti) Essl.

Nephroma arcticum (L.) Torss.

Nephroma bellum (Sprengel) Tuck.

Nephroma expallidum (Nyl.) Nyl.

Nephroma helveticum Ach. ssp. *helveticum*

Nephroma helveticum Ach. ssp. *sipeanum* (Gyelnik) Goward & Ahti

Nephroma isidiosum (Nyl.) Gyelnik

Nephroma occultum Wetmore

Nephroma parile (Ach.) Ach.

Nephroma resupinatum (L.) Ach.

Nodobryoria abbreviata (Müll. Arg.) Common & Brodo

Nodobryoria oregana (Tuck.) Common & Brodo

Nodobryoria subdivergens (E. Dahl) Common & Brodo

Normandina pulchella (Borrer) Nyl.

Parmelia fraudans (Nyl.) Nyl.

Parmelia hygrophila Goward & Ahti

Parmelia omphalodes (L.) Ach.

Parmelia pseudosulcata Gyelnik

Parmelia saxatilis (L.) Ach.

Parmelia skultii Hale

Parmelia sulcata Taylor

Parmelia sp. 1

Parmelia sp. 2

Parmeliella parvula P.M. Jørg.

Parmeliella triptophylla (Ach.) Müll. Arg.

Parmeliopsis ambigua (Wulfen) Nyl.

Parmeliopsis hyperopta (Ach.) Arnold

Peltigera aphthosa (L.) Willd.

Peltigera britannica (Gyelnik) Holt.-Hartw. & Tønsberg

Peltigera canina (L.) Willd.

Peltigera castanea Goward, Goffinet & Miadlikowska

Peltigera chionophila Goward & Goffinet

Peltigera cinnamomea Goward

Peltigera collina (Ach.) Schrader

Peltigera degenii Gyelnik

Peltigera didactyla (With.) J.R. Laundon

Peltigera elisabethae Gyelnik

Peltigera evansiana Gyelnik

Peltigera extenuata (Vainio) Lojka

"*Peltigera*" *gowardii* Lendemmer & H. O'Brien

Peltigera horizontalis (Hudson) Baumg.

Peltigera kristinssonii Vitik.

Peltigera lepidophora (Vainio) Bitter

Peltigera leucophlebia (Nyl.) Gyelnik

Peltigera malacea (Ach.) Funck

Peltigera membranacea (Ach.) Nyl.

Peltigera neckeri Hepp ex Müll. Arg.

Peltigera neopolydactyla (Gyelnik) Gyelnik

Peltigera occidentalis (E. Dahl) H. Krist.

Peltigera pacifica Vitik.

Peltigera polydactylon (Necker) Hoffm.
Peltigera ponojensis Gyelnik
Peltigera praetextata (Flörke ex Sommerf.) Zopf
Peltigera retifoveata Vitik.
Peltigera rufescens (Weiss) Humb.
Peltigera scabrosa Th. Fr.
 “*Peltigera*” *venosa* (L.) Hoffm.
Peltigera sp. 1
Peltigera sp. 2
Peltigera sp. 3
Peltigera sp. 4
Peltigera sp. 5

Phaeophyscia adiastrata (Essl.) Essl.
Phaeophyscia constipata (Norrin & Nyl.) Moberg
Phaeophyscia decolor (Kashiw.) Essl.
Phaeophyscia hirsuta (Mereschk.) Essl.
Phaeophyscia kairamoi (Vainio) Moberg
Phaeophyscia nigricans (Flörke) Moberg
Phaeophyscia orbicularis (Necker) Moberg
Phaeophyscia sciastra (Ach.) Moberg

Phylliscum demangeonii (Moug. & Mont.) Nyl.

Physcia adscendens (Fr.) H. Olivier
Physcia alnophila (Vainio) Lohtander et al.
Physcia caesia (Hoffm.) Fűrnr.
Physcia dubia (Hoffm.) Lettau
Physcia phaea (Tuck.) J.W. Thomson
Physcia tenella (Scop.) DC.

Physciella chloantha (Ach.) Essl.

Physconia americana Essl.
Physconia enteroxantha (Nyl.) Poelt
Physconia isidiomuscigena Essl.
Physconia muscigena (Ach.) Poelt
Physconia perisidiosa (Erichsen) Moberg
Physconia sp. 1.

Pilophorus acicularis (Ach.) Th. Fr.
Pilophorus cereolus (Ach.) Th. Fr. in Hellb.

Placidiopsis cinerascens (Nyl.) Breuss
Placidiopsis pseudocinerea Breuss

- Placidium pilosellum* (Breuss) Breuss
Placidium squamulosum (Ach.) Breuss
- Placynthium asperellum* (Ach.) Trevisan
Placynthium flabellum (Tuck.) Zahlbr.
Placynthium nigrum (Hudson) Gray
Placynthium pannariellum (Nyl.) H. Magn.
Placynthium stenophyllum (Tuck.) Fink var. *isidiatum* Henssen
Placynthium subradiatum (Nyl.) Arnold
- Platismatia glauca* (L.) Culb. & C. Culb.
Platismatia norvegica (Lynge) Culb. & C. Culb.
- Polychidium dendriscum* (Nyl.) Henssen
Polychidium muscicola (Sw.) Gray
- Porocyphus coccodes* (Flotow) Körb.
- Protopannaria pezizoides* (Weber) P.M. Jørg. & S. Ekman
- Pseudephebe minuscula* (Nyl. ex Arnold) Brodo & D. Hawksw.
Pseudephebe pubescens (L.) M. Choisy
- Pseudocyphellaria anomala* Brodo & Ahti
Pseudocyphellaria crocata (L.) Vainio
- Psora decipiens* (Hedwig) Hoffm.
Psora globifera (Ach.) A. Massal.
Psora himalayana (Church. Bab.) Timdal
Psora nipponica (Zahlbr.) Gotth. Schneider
Psora rubiformis (Ach.) Hooker
Psora tuckermanii R.A. Anderson ex Timdal
- Psoroma hypnorum* (Vahl) Gray
Psoroma tenue Henssen var. *boreale* Henssen
- Psorula rufonigra* (Tuck.) Gotth. Schneider
- Pterygiopsis* sp. 1
- Racodium rupestre* Pers.
- Ramalina dilacerata* (Hoffm.) Hoffm.
Ramalina farinacea (L.) Ach.
Ramalina intermedia (Delise ex Nyl.) Nyl.
Ramalina obtusata (Arnold) Bitter
Ramalina pollinaria (Westr.) Ach.

Ramalina thrausta (Ach.) Nyl.

Ramalina sp. 1

Rhizoplaca chrysoleuca (Sm.) Zopf

Rhizoplaca melanophthalma (DC.) Leuckert & Poelt

Santessoniella saximontana T. Sprib., P.M. Jørg. & M. Schultz

Solorina bispora Nyl.

Solorina crocea (L.) Ach.

Solorina octospora (Arnold) Arnold

Solorina saccata (L.) Ach.

Solorina spongiosa (Ach.) Anzi

Sphaerophorus tuckermanii Räsänen

Sphaerophorus venerabilis Wedin, Högnabba & Goward

Spilonema revertens Nyl.

Spilonemella americana Henssen & Tønsberg

Stereocaulon alpinum Laurer ex Funck

Stereocaulon botryosum Ach.

Stereocaulon glareosum (Savicz) H. Magn.

Stereocaulon grande (H. Magn.) H. Magn.

Stereocaulon intermedium (Savicz) H. Magn.

Stereocaulon nivale (Follmann) Fryday

Stereocaulon paschale (L.) Hoffm.

Stereocaulon rivulorum H. Magn.

Stereocaulon spathuliferum Vainio

Stereocaulon symphycheilum Lamb

Stereocaulon tomentosum Fr.

Stereocaulon vesuvianum Pers.

Sticta fuliginosa (Hoffm.) Ach.

Sticta limbata (Sm.) Ach.

Sticta sylvatica (Hudson) Ach.

Synalissa symphorea (Ach.) Nyl.

Thallinocarpon nigritellum (Lettau) Moreno & Egea

Thamnolia vermicularis (Sw.) Ach. ex Schaerer

Thelignya sp. 1

Thermutis velutina (Ach.) Flotow

Tholurna dissimilis (Norman) Norman

Thyrea confusa Henssen

Toninia alutacea (Anzi) Jatta

Toninia candida (Weber) Th. Fr.

Toninia opuntioides (Vill.) Timdal

Toninia sedifolia (Scop.) Timdal

Toninia squalida (Ach.) Massal.

Toninia tristis (Th. Fr.) Th. Fr. ssp. *asiae-centralis* (Magn.) Timdal

Tuckermannopsis americana (Sprengel) Hale

Tuckermannopsis chlorophylla (Willd.) Hale

Tuckermannopsis orbata (Nyl.) M.J. Lai

Tuckermannopsis platyphylla (Tuck.) Hale

Umbilicaria americana Poelt & T. Nash

Umbilicaria angulata Tuck.

Umbilicaria cylindrica (L.) Delise ex Duby

Umbilicaria deusta (L.) Baumg.

Umbilicaria havaasii Llano

Umbilicaria hyperborea (Ach.) Hoffm.

Umbilicaria lambii Imshaug

Umbilicaria lyngei Schol.

Umbilicaria phaea Tuck.

Umbilicaria polyphylla (L.) Baumg.

Umbilicaria proboscidea (L.) Schrader

Umbilicaria torrefacta (Lightf.) Schrader

Umbilicaria vellea (L.) Hoffm.

Umbilicaria virginis Schaerer

Usnea chaetophora Stirton

Usnea filipendula Stirton

Usnea glabrata (Ach.) Vainio

Usnea glabrescens (Nyl. ex Vainio) Vainio

Usnea hirta (L.) F.H. Wigg.

Usnea lapponica Vainio

Usnea scabrata Nyl.

Usnea subfloridana Stirton

Usnea substerilis Mot.

Vahliella californica (Tuck.) P.M. Jørg.

“*Verrucaria*” *lobata* J.W. Thomson

Vestergrenopsis isidiata (Degel.) E. Dahl

Vulpicida canadensis (Räsänen) J.-E. Mattsson & M.J. Lai

Vulpicida pinastri (Scop.) J.-E. Mattsson & M.J. Lai

Xanthoparmelia coloradoënsis (Gyelnik) Hale

Xanthoparmelia cumberlandia (Gyelnik) Hale

Xanthoparmelia plittii (Gyelnik) Hale

Xanthoparmelia sp. 1

Xanthoparmelia sp. 2

Xanthoparmelia sp. 3

Xanthoparmelia sp. 4

Xanthoria candelaria (L.) Th. Fr.

Xanthoria elegans (Link) Th. Fr.

Xanthoria fallax (Hepp) Arnold

Xanthoria fulva (Hoffm.) Poelt & Petutschnig

Xanthoria hasseana Räsänen

Xanthoria mendozae Räsänen

Xanthoria parietina (L.) Th. Fr.

Xanthoria polycarpa (Hoffm.) Rieber

Xanthoria soreliata (Vainio) Poelt